

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

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(produced by SZGRF/BGR - ERLANGEN)

AUGUST 2007 UPDATED 19.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
2007/08/01	08:15:59.4	34.470N	137.890E	370.1	5.5			SZGRF
Near south coast of eastern Honshu, Japan								
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb MS ML
RUE	e P	Z	08:27:32.8	80.4	43.8	1.0	51	5.5
BSEG	e P	Z	08:27:34.3	80.7	41.5	1.1	45	5.4
	e PP	Z	08:30:46.0					
BRG	e P	Z	08:27:37.9	81.5	43.8	0.7	23	5.4
	e S	R	08:37:19.1					
CLL	e P	Z	08:27:38.1	81.5	43.1	1.2	69	5.7
	e PP	Z	08:30:50.6					
CLZ	e P	Z	08:27:42.5	82.3	41.3	1.0	81	5.9
	e S	R	08:37:22.5					
TANN	e P	Z	08:27:43.2	82.4	42.7	1.1	22	5.3
	e PP	Z	08:30:58.5					
	e S	R	08:37:27.4					
WERD	e P	Z	08:27:43.2	82.5	42.6	1.2	36	5.5
	e PP	Z	08:30:58.8					
GUNZ	e P	Z	08:27:43.8	82.5	42.6	0.9	50	5.7
	e PP	Z	08:30:59.3					
WERN	e P	Z	08:27:43.9	82.6	42.6	1.0	54	5.7
MOX	e P	Z	08:27:44.0	82.6	42.1	1.2	37	5.5
	e PP	Z	08:31:00.8					
	e S	R	08:37:29.0					
IBBN	e P	Z	08:27:45.7	82.9	39.4	0.8	82	6.0
ROTZ	e P	Z	08:27:46.5	83.0	42.4	1.5	87	5.8
	e PP	Z	08:31:03.5					
	e S	R	08:37:32.9					
GEC2	e P	Z	08:27:45.6	83.0	43.4	0.8	21	5.4
	e PP	Z	08:31:04.1					

	e S	R	08:37:33.1						
UBBA	e P	Z	08:27:46.6	83.2	40.9	0.8	13	5.3	
	e PP	Z	08:31:04.5						
	e S	R	08:37:34.9						
WET	e P	Z	08:27:47.0	83.2	42.8	1.1	23	5.3	
	e pP	Z	08:29:12.2						
	e S	R	08:37:33.6						
GRA1	e P	Z	08:27:49.0	83.5	41.7	1.1	63	5.8	
	e pP	Z	08:29:13.9						
	e S	R	08:37:39.0						
BUG	e P	Z	08:27:49.9	83.8	39.0	0.8	37	5.7	
	e S	R	08:37:39.7						
TNS	e P	Z	08:27:52.2	84.3	39.8	1.2	20	5.2	
FUR	e P	Z	08:27:54.2	84.6	41.7	0.7	39	5.7	
	e S	R	08:37:49.1						
STU	e S	R	08:37:52.5	85.1	40.2				
BFO	e P	Z	08:27:58.8	85.8	39.6	0.6	9	5.1	
	e pP	Z	08:29:25.2						
	e PP	Z	08:31:24.5						
	e S	R	08:37:58.9						
	e ScS	R	08:38:05.7						

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/01 17:08:49.0 15.350S 168.420E 33.0G
 Vanuatu Islands SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e SS	T	17:48:40.2	136.3	36.0					
RUE	e Pdiff	Z	17:25:14.0	137.8	37.9					
	e PKPdf	Z	17:27:52.5							
	e SS	T	17:49:09.0							
BSEG	e Pdiff	Z	17:25:14.9	137.8	32.4					
	e PKPdf	Z	17:27:52.8							
	e SKPbc	Z	17:31:33.1							
	e SS	T	17:48:52.9							
HLG	e SS	T	17:49:04.4	138.3	28.9					
BRG	e Pdiff	Z	17:25:18.6	139.0	39.3					
	e PKPdf	Z	17:27:54.6							
	e PP	Z	17:31:05.8							
	e SS	T	17:49:07.0							
CLL	e Pdiff	Z	17:25:19.8	139.0	37.7					
	e PKPdf	Z	17:27:54.6							
	e PP	Z	17:31:05.6							
	e SKPbc	Z	17:31:36.2							
	e SS	T	17:49:14.4							
CLZ	e Pdiff	Z	17:25:22.2	139.5	33.7					
	e PKPdf	Z	17:27:56.0							

	e PP	Z	17:31:09.2		
	e SS	T	17:49:15.0		
TANN	e Pdiff	Z	17:25:23.5	139.9	37.6
	e PKPdf	Z	17:27:56.7		
	e PP	Z	17:31:11.3		
	e SKPbc	Z	17:31:38.7		
	e SS	T	17:49:20.3		
IBBN	e Pdiff	Z	17:25:23.5	140.0	29.8
	e PKPdf	Z	17:27:56.4		
	e PP	Z	17:31:11.0		
	e SKPbc	Z	17:31:38.3		
	e SS	T	17:49:19.7		
MOX	e Pdiff	Z	17:25:24.1	140.1	36.3
	e PKPdf	Z	17:27:56.8		
	e PP	Z	17:31:12.0		
	e SS	T	17:49:21.5		
UBBA	e Pdiff	Z	17:25:25.9	140.5	33.9
	e PKPdf	Z	17:27:57.5		
	e PP	Z	17:31:14.4		
	e SKPbc	Z	17:31:40.6		
	e SS	T	17:49:28.7		
ROTZ	e Pdiff	Z	17:25:25.9	140.5	37.7
	e PKPdf	Z	17:27:58.1		
	e PP	Z	17:31:14.9		
	e SKPbc	Z	17:31:40.6		
	e SS	T	17:49:26.7		
GEC2	e Pdiff	Z	17:25:25.9	140.6	40.5
	e PKPdf	Z	17:27:57.7		
	e PP	Z	17:31:14.6		
	e SS	T	17:49:19.0		
WET	e Pdiff	Z	17:25:26.5	140.8	39.1
	e PKPdf	Z	17:27:58.2		
	e PP	Z	17:31:15.7		
	e SS	T	17:49:14.7		
BUG	e Pdiff	Z	17:25:26.5	140.9	29.6
	e PKPdf	Z	17:27:58.3		
	e PP	Z	17:31:16.5		
	e SKPbc	Z	17:31:40.2		
	e SS	T	17:49:31.6		
GRA1	e Pdiff	Z	17:25:27.7	141.0	36.4
	e PKPdf	Z	17:27:58.7		
	e PP	Z	17:31:17.6		
	e SS	T	17:49:28.6		
GRFO	e SS	T	17:49:29.0	141.0	36.4
TNS	e Pdiff	Z	17:25:30.1	141.5	32.1
	e PKPdf	Z	17:28:00.1		
	e PP	Z	17:31:21.2		
	e SS	T	17:49:38.3		
FUR	e Pdiff	Z	17:25:32.0	142.2	37.6

	e PKPdf	Z	17:28:00.8		
	e PP	Z	17:31:25.1		
	e SS	T	17:49:40.2		
STU	e Pdiff	Z	17:25:35.0	142.5	34.2
	e PKPdf	Z	17:28:01.5		
	e PP	Z	17:31:26.8		
	e SKPbc	Z	17:31:45.6		
	e SS	T	17:49:47.5		
WLF	e Pdiff	Z	17:25:36.2	142.8	29.0
	e PKPdf	Z	17:28:03.2		
	e PP	Z	17:31:29.1		
	e SKPbc	Z	17:31:47.1		
	e SS	T	17:49:47.8		
BFO	e Pdiff	Z	17:25:37.4	143.2	33.2
	e PKPdf	Z	17:28:03.0		
	e PP	Z	17:31:31.0		
	e SKPbc	Z	17:31:48.5		
	e SS	T	17:49:53.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/01	18:07:50.1	15.400S	167.600E	149.0				NEIC
Vanuatu Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	18:26:56.2	137.6	33.5					
	e SKPbc	Z	18:30:20.0							
BRG	e PKPdf	Z	18:26:58.6	138.7	40.4					
	e SKPbc	Z	18:30:23.3							
CLL	e PKPdf	Z	18:27:00.6	138.7	38.8					
	e SKPbc	Z	18:30:23.1							
CLZ	e PKPdf	Z	18:27:01.9	139.3	34.9					
	e SKPbc	Z	18:30:25.1							
TANN	e SKPbc	Z	18:30:24.8	139.6	38.8					
MOX	e SKPbc	Z	18:30:25.3	139.8	37.4					
ROTZ	e SKPbc	Z	18:30:27.0	140.3	38.9					
UBBA	e SKPbc	Z	18:30:27.1	140.3	35.1					
GEC2	e PKPdf	Z	18:27:01.2	140.3	41.6					
	e SKPbc	Z	18:30:27.6							
WET	e PKPdf	Z	18:27:02.0	140.5	40.3					
	e SKPbc	Z	18:30:27.6							
GRA1	e PKPdf	Z	18:27:02.3	140.7	37.6					
	e SKPbc	Z	18:30:28.1							
WLF	e PKPdf	Z	18:27:02.1	142.6	30.3					
BFO	e PKPdf	Z	18:27:03.3	142.9	34.5					
	e SKPbc	Z	18:30:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	02:37:38.5	45.850N	142.450E	33.0N	5.4	6.6		SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	02:49:02.7	72.2	32.8	1.5	48	5.4		
	e S	T	02:58:26.7							
RUE	e P	Z	02:49:02.6	72.3	34.8	0.6	33	5.6		
CLL	e P	Z	02:49:08.3	73.5	34.1	1.2	37	5.3		
	e S	T	02:58:38.7							
BRG	e P	Z	02:49:10.3	73.6	34.6	2.4	118	5.5		
	e S	T	02:58:41.2							
FBE	e S	T	02:58:42.9	73.7	34.3					
CLZ	e P	Z	02:49:12.4	74.0	32.5	1.0	41	5.4		
	e S	T	02:58:45.9							
IBBN	e P	Z	02:49:15.6	74.4	30.9	1.2	45	5.4		
TANN	e P	Z	02:49:14.7	74.5	33.6	2.8	193	5.6		
	e S	T	02:58:50.2							
WERD	e P	Z	02:49:15.5	74.5	33.5	1.4	31	5.1		
	e S	T	02:58:50.2							
GUNZ	e P	Z	02:49:15.9	74.6	33.5	1.2	24	5.1		
	e S	T	02:58:51.0							
MOX	e P	Z	02:49:15.8	74.6	33.1	1.5	49	5.3		
	e S	T	02:58:52.3							
WERN	e P	Z	02:49:17.3	74.6	33.6	1.5	32	5.1		
	e S	T	02:58:51.9							
UBBA	e P	Z	02:49:19.1	75.0	32.2	2.2	106	5.5		
	e S	T	02:58:56.2							
ROTZ	e P	Z	02:49:19.4	75.1	33.4	1.2	30	5.2		
	e S	T	02:58:59.2							
GEC2	e P	Z	02:49:20.4	75.3	34.2	1.4	24	5.1		
	e S	T	02:59:01.3							
BUG	e P	Z	02:49:20.8	75.3	30.5	1.4	69	5.6		
WET	e P	Z	02:49:21.1	75.4	33.7	1.2	37	5.4		
	e S	T	02:59:02.1							
GRA1	e P	Z	02:49:22.2	75.5	32.8	1.1	64	5.7		
	e S	T	02:59:03.4							
	e L	Z	03:25:18.8			19.0	25885		6.6	
GRFO	e S	T	02:59:03.4	75.5	32.8					
TNS	e P	Z	02:49:25.3	76.0	31.1	1.2	37	5.4		
	e S	T	02:59:08.5							
FUR	e P	Z	02:49:29.2	76.8	32.6	1.2	90	5.8		
STU	e P	Z	02:49:31.2	77.0	31.4	1.3	55	5.5		
	e S	T	02:59:22.2							
WLF	e P	Z	02:49:31.8	77.2	29.6	2.3	185	5.8		
	e S	T	02:59:22.2							
BFO	e P	Z	02:49:33.5	77.7	30.8	1.2	44	5.5		
	e S	T	02:59:26.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	03:00:4.0	48.121N	140.498E	33.0N	5.1			SZGRF

Primorye, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:11:30.1	72.9	32.7	1.9	30	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	03:21:39.8	50.540N	178.690E	33.0G	6.4	6.4		SZGRF

Rat Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 03:33:15.8	74.2	9.6	0.8	935	6.9		
HLG	e P	Z 03:33:20.3	75.0	6.0	1.5	2112	6.9		
BSEG	e P	Z 03:33:20.7	75.1	7.6	0.9	674	6.7		
RUE	e P	Z 03:33:26.8	76.2	9.8	0.9	365	6.5		
IBBN	e P	Z 03:33:30.8	76.9	5.9	1.0	1154	7.0		
CLZ	e P	Z 03:33:32.6	77.1	7.6	1.1	738	6.7		
CLL	e P	Z 03:33:33.4	77.4	9.3	1.0	226	6.3		
BUG	e P	Z 03:33:35.4	77.8	5.6	0.9	331	6.5		
BRG	e P	Z 03:33:35.4	77.8	9.9	1.0	217	6.2		
	e	03:33:52.6							
UBBA	e P	Z 03:33:37.9	78.2	7.3	1.8	684	6.5		
MOX	e P	Z 03:33:38.2	78.2	8.4	1.1	278	6.3		
WERD	e P	Z 03:33:39.0	78.3	8.8	1.1	225	6.2		
TANN	e P	Z 03:33:39.0	78.4	8.9	1.3	259	6.1		
	e	03:33:56.2							
GUNZ	e P	Z 03:33:39.5	78.4	8.8	0.9	242	6.2		
WERN	e P	Z 03:33:40.0	78.5	8.8	1.0	431	6.4		
TNS	e P	Z 03:33:41.9	78.9	6.3	1.0	315	6.3		
ROTZ	e P	Z 03:33:43.1	79.0	8.7	1.1	257	6.2		
GRA1	e P	Z 03:33:44.1	79.2	8.1	1.0	564	6.5		
	e SS	N 03:49:22.5							
	e P'P'df	Z 04:00:32.2							
	e L	Z 04:13:35.2			21.7	18228		6.4	
WET	e P	Z 03:33:46.0	79.6	9.1	1.2	214	6.0		
WLF	e P	Z 03:33:46.0	79.6	4.8	1.1	450	6.3		
GEC2	e P	Z 03:33:47.0	79.8	9.6	1.1	217	6.0		
STU	e P	Z 03:33:49.4	80.3	6.8	1.0	298	6.2		
	e	03:34:06.5							
FUR	e P	Z 03:33:51.9	80.7	8.1	1.0	441	6.5		
BFO	e P	Z 03:33:52.1	80.8	6.2	1.1	282	6.2		
	e	03:34:09.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	04:47:13.6	51.595N	175.167W	33.0N	4.5			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:59:12.3	78.6	4.0	1.0	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	04:50:26.9	11.266N	88.046W	33.0N	5.2			SZGRF

Off coast of central America

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:03:10.1	87.3	284.3	1.4	30	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	05:01:55.9	47.441N	141.501E	33.0N	5.2			SZGRF

Sakhalin Island, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 05:13:08.0	70.5	32.7	1.4	25	5.2		
CLL	e P	Z 05:13:15.0	71.8	33.9	2.2	84	5.5		
BRG	e P	Z 05:13:15.5	71.9	34.3	1.7	30	5.1		
CLZ	e P	Z 05:13:18.5	72.3	32.3	1.2	28	5.3		
IBBN	e P	Z 05:13:20.7	72.7	30.8	0.9	20	5.2		
TANN	e P	Z 05:13:21.0	72.8	33.4	1.8	19	4.9		
MOX	e P	Z 05:13:21.6	72.9	32.9	1.4	19	5.0		
UBBA	e P	Z 05:13:23.8	73.3	31.9	1.7	31	5.1		
ROTZ	e P	Z 05:13:25.2	73.4	33.1	1.6	22	4.9		
BUG	e P	Z 05:13:25.9	73.6	30.3	1.7	70	5.4		
GEC2	e P	Z 05:13:26.1	73.6	33.8	1.6	20	4.9		
WET	e P	Z 05:13:26.8	73.7	33.4	2.3	86	5.4		
GRA1	e P	Z 05:13:27.6	73.8	32.5	0.9	19	5.1		
TNS	e P	Z 05:13:30.1	74.3	30.9	1.6	31	5.1		
FUR	e P	Z 05:13:34.8	75.1	32.3	1.3	54	5.4		
STU	e P	Z 05:13:35.6	75.3	31.1	0.9	23	5.3		
WLF	e P	Z 05:13:37.3	75.5	29.4	1.3	16	5.0		
BFO	e P	Z 05:13:39.4	76.0	30.6	1.4	33	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	05:22:26.0	47.441N	141.501E	33.0N	5.7			SZGRF

Sakhalin Island, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	05:33:38.0	70.5	32.7	1.3	80	5.7		
CLL	e P	Z	05:33:45.0	71.8	33.9	1.3	91	5.8		
BRG	e P	Z	05:33:45.5	71.9	34.3	1.2	46	5.5		
CLZ	e P	Z	05:33:48.6	72.3	32.3	1.2	99	5.8		
IBBN	e P	Z	05:33:50.7	72.7	30.8	1.3	84	5.7		
TANN	e P	Z	05:33:51.0	72.8	33.4	1.5	50	5.4		
MOX	e P	Z	05:33:51.6	72.9	32.9	1.4	79	5.7		
UBBA	e P	Z	05:33:53.8	73.3	31.9	1.8	122	5.6		
ROTZ	e P	Z	05:33:55.2	73.4	33.1	1.5	72	5.5		
BUG	e P	Z	05:33:56.0	73.6	30.3	1.4	158	5.8		
GEC2	e P	Z	05:33:56.2	73.6	33.8	2.1	150	5.6		
WET	e P	Z	05:33:56.8	73.7	33.4	1.4	88	5.6		
GRA1	e P	Z	05:33:57.6	73.8	32.5	1.2	125	5.8		
TNS	e P	Z	05:34:00.1	74.3	30.9	1.4	115	5.7		
FUR	e P	Z	05:34:04.7	75.1	32.3	1.4	210	6.0		
STU	e P	Z	05:34:05.5	75.3	31.1	1.2	85	5.7		
WLF	e P	Z	05:34:07.4	75.5	29.4	1.6	118	5.8		
BFO	e P	Z	05:34:09.4	76.0	30.6	1.8	209	6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	06:04:51.4	47.861N	142.580E	33.0N	5.1			SZGRF

Sakhalin Island, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	06:16:12.2	71.8	33.0	0.8	10	5.0		
CLZ	e P	Z	06:16:14.7	72.3	31.5	2.3	87	5.5		
TANN	e P	Z	06:16:16.1	72.8	32.5	1.9	18	4.9		
MOX	e P	Z	06:16:18.0	72.9	32.0	2.3	52	5.3		
UBBA	e P	Z	06:16:19.5	73.3	31.1	2.0	31	5.0		
ROTZ	e P	Z	06:16:21.1	73.4	32.2	2.1	40	5.1		
GEC2	e P	Z	06:16:21.3	73.7	33.0	2.2	22	4.8		
WET	e P	Z	06:16:22.1	73.7	32.5	2.0	45	5.1		
GRA1	e P	Z	06:16:23.1	73.8	31.6	1.8	49	5.2		
BFO	e P	Z	06:16:36.8	76.0	29.7	2.0	36	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	06:23:17.8	51.317N	178.146E	47.6	5.1			SZGRF

Rat Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	06:34:52.1	74.3	7.9	0.9	45	5.5		
IBBN	e P	Z	06:35:02.2	76.1	6.2	0.9	59	5.7		
	e pP	Z	06:35:15.9							
CLZ	e P	Z	06:35:04.0	76.3	7.8	0.9	26	5.4		

	e pP	Z	06:35:17.4						
CLL	e P	Z	06:35:04.7	76.6	9.5	1.0	16	5.1	
BRG	e P	Z	06:35:06.8	76.9	10.1	0.8	10	5.0	
BUG	e P	Z	06:35:06.7	77.0	5.8	0.8	17	5.3	
UBBA	e P	Z	06:35:09.3	77.4	7.6	1.9	46	5.3	
MOX	e P	Z	06:35:09.5	77.4	8.6	0.9	13	5.0	
	e pP	Z	06:35:23.3						
TANN	e P	Z	06:35:10.1	77.5	9.1	1.2	11	4.9	
TNS	e P	Z	06:35:13.3	78.1	6.6	0.9	21	5.3	
ROTZ	e P	Z	06:35:14.5	78.2	8.9	1.0	9	4.8	
GRA1	e P	Z	06:35:15.4	78.4	8.3	0.8	21	5.2	
WET	e P	Z	06:35:17.0	78.8	9.3	1.0	9	4.8	
WLF	e P	Z	06:35:17.4	78.8	5.1	1.0	20	5.1	
	e pP	Z	06:35:31.3						
GEC2	e P	Z	06:35:18.3	79.0	9.8	1.1	10	4.8	
STU	e P	Z	06:35:20.7	79.5	7.0	0.4	18	5.3	
FUR	e P	Z	06:35:23.3	79.9	8.3	1.0	38	5.3	
BFO	e P	Z	06:35:23.4	80.0	6.4	1.1	14	4.8	

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/02 08:06:40.4 47.670N 140.964E 33.0N 5.4 SZGRF
 Primorye, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 08:17:50.2	70.2	32.9	1.0	23	5.3		
CLL	e P	Z 08:17:57.3	71.5	34.1	0.9	38	5.5		
BRG	e P	Z 08:17:57.7	71.5	34.5	2.2	99	5.6		
CLZ	e P	Z 08:18:00.8	71.9	32.5	0.9	41	5.6		
IBBN	e P	Z 08:18:02.9	72.4	31.0	1.4	69	5.6		
TANN	e P	Z 08:18:03.2	72.4	33.6	1.4	21	5.1		
MOX	e P	Z 08:18:03.9	72.5	33.1	1.8	71	5.5		
UBBA	e P	Z 08:18:06.2	72.9	32.1	0.9	16	5.2		
ROTZ	e P	Z 08:18:07.2	73.0	33.3	1.2	26	5.2		
GEC2	e P	Z 08:18:08.3	73.2	34.0	0.8	14	5.1		
BUG	e P	Z 08:18:08.2	73.3	30.6	2.0	154	5.7		
WET	e P	Z 08:18:09.1	73.3	33.6	0.9	27	5.3		
GRA1	e P	Z 08:18:09.8	73.4	32.7	0.8	51	5.6		
TNS	e P	Z 08:18:12.4	73.9	31.1	1.4	37	5.2		
FUR	e P	Z 08:18:17.0	74.7	32.5	1.7	128	5.7		
STU	e P	Z 08:18:17.9	74.9	31.3	1.2	48	5.4		
WLF	e P	Z 08:18:19.8	75.1	29.6	1.7	67	5.4		
BFO	e P	Z 08:18:21.7	75.6	30.8	1.8	104	5.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/02 10:37:38.6 47.370N 141.690E 33.0N 5.8 5.6 SZGRF

Sakhalin Island, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 10:48:53.6	70.7	32.6	2.6	441	6.1		
CLL	e P	Z 10:49:00.6	72.0	33.8	2.4	311	6.0		
BRG	e P	Z 10:49:01.1	72.0	34.3	2.0	140	5.7		
CLZ	e P	Z 10:49:04.1	72.4	32.3	2.0	233	6.0		
IBBN	e P	Z 10:49:06.3	72.8	30.7	2.2	247	6.0		
MOX	e P	Z 10:49:07.2	73.0	32.8	2.1	188	5.9		
UBBA	e P	Z 10:49:09.4	73.4	31.9	2.2	167	5.7		
ROTZ	e P	Z 10:49:10.8	73.5	33.0	2.1	181	5.7		
BUG	e P	Z 10:49:11.6	73.7	30.3	1.8	234	5.9		
GEC2	e P	Z 10:49:11.7	73.8	33.8	2.0	113	5.5		
WET	e P	Z 10:49:12.4	73.8	33.3	2.1	221	5.8		
GRA1	e P	Z 10:49:13.1	73.9	32.4	1.4	128	5.8		
	e L	Z 11:25:07.2			18.7	3079		5.6	
TNS	e P	Z 10:49:15.7	74.4	30.8	1.8	124	5.6		
FUR	e P	Z 10:49:20.3	75.2	32.2	2.0	383	6.2		
STU	e P	Z 10:49:21.1	75.4	31.1	1.0	58	5.7		
WLF	e P	Z 10:49:22.9	75.6	29.3	2.2	244	6.0		
BFO	e P	Z 10:49:25.0	76.1	30.5	1.8	137	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	11:10:44.0	50.306N	174.740W	33.0N	4.6			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:22:49.8	79.9	3.9	0.7	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	13:24: 8.7	35.167N	6.097E	33.0N				SZGRF

Northern Algeria

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:27:43.9	15.0	196.4	1.0	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	13:37:36.3	13.163N	47.122E	25.3	5.5	4.8		SZGRF

Western Arabian Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 13:45:50.1	45.1	130.7	1.4	112	5.6		
WET	e P	Z 13:45:54.2	45.7	130.0	1.5	59	5.4		

FUR	e P	Z	13:45:56.1	45.9	127.4					
BRG	e P	Z	13:45:59.5	46.3	132.5	1.6	70	5.5		
ROTZ	e P	Z	13:46:00.2	46.4	129.7	1.5	72	5.5		
TANN	e P	Z	13:46:03.0	46.7	130.5	1.5	84	5.6		
GRA1	e P	Z	13:46:03.5	46.9	128.5	1.4	92	5.7		
	e pP	Z	13:46:10.3							
	e S	R	13:53:06.7							
	e L	Z	14:01:46.5			43.5	2258		4.8	
CLL	e P	Z	13:46:05.2	47.0	131.7	1.5	102	5.7		
MOX	e P	Z	13:46:07.0	47.3	129.6	1.7	112	5.7		
STU	e P	Z	13:46:07.6	47.4	125.5	1.4	49	5.5		
BFO	e P	Z	13:46:09.9	47.6	124.3	1.6	101	5.7		
UBBA	e P	Z	13:46:13.6	48.2	127.9	1.8	32	5.2		
TNS	e P	Z	13:46:17.2	48.6	125.8	2.6	141	5.5		
CLZ	e P	Z	13:46:17.6	48.6	129.1	1.3	70	5.5		
WLF	e P	Z	13:46:24.6	49.5	122.9	1.0	63	5.6		
BUG	e P	Z	13:46:27.8	49.9	125.3	1.6	56	5.2		
BSEG	e P	Z	13:46:27.9	50.0	130.4	1.6	85	5.4		
IBBN	e P	Z	13:46:30.0	50.2	126.5	1.9	157	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/02 15:11:43.6 21.610S 178.780W 625.7 mb MS ML SZGRF
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 15:30:17.1	146.9	15.6					
	e PKPab	Z 15:30:20.5							
IBBN	e PKPbc	Z 15:30:22.1	148.9	11.8					
CLL	e PKPbc	Z 15:30:21.9	148.9	21.6					
	e pPKPbc	Z 15:32:42.3							
CLZ	e PKPbc	Z 15:30:22.4	148.9	16.7					
BRG	e PKPbc	Z 15:30:22.6	149.1	23.5					
BUG	e PKPbc	Z 15:30:24.2	149.8	11.2					
	e pPKPbc	Z 15:32:47.7							
MOX	e PKPbc	Z 15:30:24.3	149.8	19.5					
	e PKPab	Z 15:30:32.3							
TANN	e PKPbc	Z 15:30:24.2	149.9	21.2					
	e pPKPbc	Z 15:32:46.2							
UBBA	e PKPbc	Z 15:30:24.3	150.0	16.5					
ROTZ	e PKPbc	Z 15:30:26.0	150.5	21.1					
	e pPKPbc	Z 15:32:49.8							
GRA1	e PKPbc	Z 15:30:26.6	150.8	19.3					
	e PKPab	Z 15:30:37.0							
TNS	e PKPbc	Z 15:30:26.7	150.8	13.9					
WET	e PKPbc	Z 15:30:26.7	150.9	22.8					
	e PKPab	Z 15:30:37.6							
GEC2	e PKPbc	Z 15:30:26.9	151.0	24.5					

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	e pPKPbc	Z	15:32:50.5		
WLF	e PKPbc	Z	15:30:29.1	151.7	9.7
	e PKPab	Z	15:30:40.6		
	e pPKPbc	Z	15:32:51.8		
STU	e PKPbc	Z	15:30:29.4	152.1	16.0
FUR	e PKPbc	Z	15:30:29.6	152.3	20.4
	e PKPab	Z	15:30:42.8		
BFO	e PKPbc	Z	15:30:30.5	152.7	14.5
	e PKPab	Z	15:30:43.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	17:00:33.2	52.854N	169.760E	33.0N	4.8			SZGRF
South of Aleutian Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:12:16.7	75.9	13.2	1.4	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	18:02: 2.3	2.409N	126.966E	25.0G		4.6		NEIC
Northern Molucca Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PP	Z	18:20:19.9	102.4	70.3					
CLL	e PP	Z	18:20:23.4	102.8	69.4					
GEC2	e Pdiff	Z	18:15:59.5	103.2	70.5					
	e PP	Z	18:20:24.7							
BSEG	e PP	Z	18:20:26.8	103.3	66.6					
TANN	e PP	Z	18:20:26.1	103.4	69.2					
WET	e PP	Z	18:20:28.9	103.6	69.8					
ROTZ	e PP	Z	18:20:31.0	103.8	69.1					
MOX	e PP	Z	18:20:31.7	103.8	68.4					
CLZ	e PP	Z	18:20:33.1	104.1	67.1					
GRA1	e PP	Z	18:20:35.1	104.4	68.3					
	e L	Z	19:17:50.8			21.8	206		4.6	
UBBA	e PP	Z	18:20:35.8	104.7	67.0					
FUR	e PP	Z	18:20:37.2	104.9	68.7					
IBBN	e PP	Z	18:20:42.7	105.4	64.7					
TNS	e PP	Z	18:20:44.1	105.8	65.9					
STU	e PP	Z	18:20:45.5	106.0	66.9					
BUG	e PP	Z	18:20:49.0	106.0	64.5					
BFO	e PP	Z	18:20:51.1	106.7	66.3					
WLF	e PP	Z	18:20:56.6	107.4	64.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/02	22:47:10.9	70.249N	4.310W	33.0N	3.8			SZGRF

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:52:00.8	21.8	345.9	1.4	6	3.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/03	00:41:15.2	62.497S	147.428E	33.0N		5.9		SZGRF

South of Australia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e PKPdf	Z 01:00:59.1	151.4	135.8					
	e PKPbc	Z 01:01:05.0							
WET	e PKPdf	Z 01:01:00.3	152.0	135.5					
	e PKPbc	Z 01:01:06.7							
	e PKPab	Z 01:01:15.0							
FUR	e PKPdf	Z 01:01:00.9	152.0	137.0					
	e PKPbc	Z 01:01:07.0							
	e PKPab	Z 01:01:15.3							
	e PP	Z 01:04:43.9							
BRG	e PKPdf	Z 01:01:01.8	152.7	133.1					
	e PKPbc	Z 01:01:08.6							
	e PKPab	Z 01:01:19.0							
ROTZ	e PKPdf	Z 01:01:01.8	152.7	134.8					
	e PKPbc	Z 01:01:08.5							
	e PP	Z 01:04:48.5							
WERN	e PKPdf	Z 01:01:02.5	153.0	134.0					
	e PKPbc	Z 01:01:10.0							
	e PP	Z 01:04:49.9							
GUNZ	e PKPdf	Z 01:01:02.4	153.1	133.9					
	e PKPbc	Z 01:01:10.4							
	e PKPab	Z 01:01:21.2							
GRA1	e PKPdf	Z 01:01:02.2	153.1	135.0					
	e PKPbc	Z 01:01:09.7							
	e PP	Z 01:04:50.6							
	e SS	T 01:24:20.7							
	e L	Z 02:30:30.0			20.5	1909		5.9	
WERD	e PKPdf	Z 01:01:02.5	153.2	133.8					
	e PKPbc	Z 01:01:09.7							
	e PKPab	Z 01:01:20.4							
	e PP	Z 01:04:48.6							
STU	e PKPdf	Z 01:01:02.8	153.4	136.6					
	e PKPbc	Z 01:01:09.7							
	e PKPab	Z 01:01:21.2							
	e PP	Z 01:04:51.4							
CLL	e PKPdf	Z 01:01:02.8	153.4	132.5					

	e PKPbc	Z	01:01:10.1			
BFO	e PKPpdf	Z	01:01:02.6	153.5	137.4	
	e PKPbc	Z	01:01:10.0			
	e PP	Z	01:04:51.8			
MOX	e PKPpdf	Z	01:01:02.8	153.6	133.6	
	e PKPab	Z	01:01:22.6			
	e PP	Z	01:04:52.8			
RUE	e PKPpdf	Z	01:01:03.8	153.8	130.7	
	e PKPbc	Z	01:01:10.8			
	e PKPab	Z	01:01:23.7			
UBBA	e PKPpdf	Z	01:01:04.1	154.5	133.5	
	e PKPbc	Z	01:01:11.9			
	e PKPab	Z	01:01:26.3			
	e PP	Z	01:04:56.4			
TNS	e PKPpdf	Z	01:01:05.1	154.8	134.7	
	e PKPbc	Z	01:01:13.4			
	e PKPab	Z	01:01:27.6			
	e PP	Z	01:04:59.3			
CLZ	e PKPpdf	Z	01:01:05.1	155.0	131.9	
	e PKPbc	Z	01:01:14.2			
	e PKPab	Z	01:01:29.0			
	e PP	Z	01:05:00.4			
BSEG	e PKPpdf	Z	01:01:07.2	156.4	128.4	
	e PKPbc	Z	01:01:16.7			
	e PKPab	Z	01:01:34.6			
	e PP	Z	01:05:08.7			
IBBN	e PKPpdf	Z	01:01:07.6	156.5	131.4	
	e PKPbc	Z	01:01:17.5			
	e PKPab	Z	01:01:34.9			
	e PP	Z	01:05:10.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/03	01:49:44.2	33.200S	179.300W	49.0				NEIC

South of Kermadec Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z 02:10:16.2	159.8	31.1					
FBE	e PKPab	Z 02:10:19.9	160.0	32.4					
GRA1	e PKPab	Z 02:10:24.8	161.8	29.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/03	10:54: 5.4	37.600N	72.070E	33.0N	4.6			SZGRF

Tajikistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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RUE	e P	Z	11:01:58.8	42.5	86.5	0.5	28	5.2
BRG	e P	Z	11:01:59.0	42.5	84.9	1.0	17	4.8
GEC2	e P	Z	11:02:02.0	42.9	82.5	0.9	3	4.0
CLL	e P	Z	11:02:02.8	43.0	84.7	0.9	10	4.6
WET	e P	Z	11:02:05.6	43.4	82.3	0.9	4	4.1
GUNZ	e P	Z	11:02:07.7	43.6	83.2	0.9	8	4.4
WERD	e P	Z	11:02:07.2	43.6	83.3	0.7	5	4.3
ROTZ	e P	Z	11:02:09.6	43.7	82.5	1.2	10	4.4
MOX	e P	Z	11:02:10.9	44.0	83.0	0.8	7	4.4
GRA1	e P	Z	11:02:14.7	44.4	81.7	0.6	11	4.8
BSEG	e P	Z	11:02:14.7	44.4	85.4	1.0	14	4.9
CLZ	e P	Z	11:02:16.1	44.6	83.3	0.8	6	4.6
UBBA	e P	Z	11:02:18.4	45.0	82.0	0.5	3	4.5
IBBN	e P	Z	11:02:28.1	46.1	81.9	0.6	11	5.1
BFO	e P	Z	11:02:30.2	46.5	78.6	0.9	5	4.6
WLF	e P	Z	11:02:39.8	47.6	78.4	0.8	13	5.1

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/03 21:08:10.9 35.241N 22.351E 10.0G 4.3
 Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:11:39.5	15.0	151.7	1.0	8			
FUR	e P	Z 21:11:43.1	15.3	143.5	0.9	27			
WET	e P	Z 21:11:44.2	15.5	149.9					
ROTZ	e P	Z 21:12:00.7	16.3	149.2					
GRA1	e P	Z 21:12:04.0	16.6	146.5	1.5	80			
	e L	Z 21:19:39.1			18.4	1569		4.3	
BFO	e P	Z 21:12:02.5	16.7	136.5					
WERN	e P	Z 21:12:03.3	16.7	150.5					
BRG	e P	Z 21:12:06.2	16.8	155.5					
GUNZ	e P	Z 21:12:03.7	16.8	150.5					
WERD	e P	Z 21:12:06.7	16.9	150.6					
MOX	e P	Z 21:12:10.5	17.3	149.1					
CLL	e P	Z 21:12:13.7	17.4	153.7					
TNS	e P	Z 21:12:21.0	18.1	140.7					
RUE	e P	Z 21:12:21.9	18.3	157.2					
WLF	e P	Z 21:12:28.4	18.6	134.6					
CLZ	e P	Z 21:12:26.8	18.7	148.0					
BUG	e P	Z 21:12:37.5	19.5	140.4					
BSEG	e P	Z 21:12:46.0	20.5	150.9					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/03 21:33:19.4 21.520S 178.190W 33.0N
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	21:52:58.6	146.9	14.6					
IBBN	e PKPbc	Z	21:53:03.6	148.9	10.7					
CLZ	e PKPbc	Z	21:53:03.9	149.0	15.6					
CLL	e PKPbc	Z	21:53:03.7	149.0	20.5					
BRG	e PKPbc	Z	21:53:04.5	149.1	22.4					
	e PKPab	Z	21:53:08.9							
MOX	e PKPbc	Z	21:53:06.0	149.9	18.4					
WERD	e PKPbc	Z	21:53:06.4	149.9	19.8					
GUNZ	e PKPbc	Z	21:53:06.6	150.0	19.9					
UBBA	e PKPbc	Z	21:53:06.0	150.0	15.4					
WERN	e PKPbc	Z	21:53:06.8	150.1	20.0					
	e PKPab	Z	21:53:12.8							
ROTZ	e PKPbc	Z	21:53:08.2	150.6	20.0					
TNS	e PKPbc	Z	21:53:08.6	150.8	12.7					
GRA1	e PKPbc	Z	21:53:08.5	150.9	18.2					
GEC2	e PKPbc	Z	21:53:09.3	151.1	23.4					
WLF	e PKPbc	Z	21:53:10.9	151.6	8.5					
BFO	e PKPbc	Z	21:53:12.5	152.7	13.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	00:20:20.7	45.893N	12.219E	10.0G			2.4	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e Pg	Z	00:20:47.2	1.4	213.6					2.1
	e Sg	N	00:21:05.8							
WTTA	e Pg	Z	00:20:46.7	1.4	163.5					2.5
	e Sg	E	00:21:06.9							
DAVA	e Pg	Z	00:20:58.9	2.1	130.1					2.5
	e Sg	N	00:21:27.9							
MOA	e Sg	E	00:21:36.4	2.4	216.3					2.3
GEC2	e Pn	Z	00:21:10.0	3.1	199.3					
WET	e Pn	Z	00:21:11.6	3.3	188.0					2.4
	e Sn	N	00:21:50.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	06:14:45.7	9.165N	93.356E	45.5	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:26:29.4	76.2	92.4	0.9	9	4.9		
GEC2	e P	Z	06:26:29.8	76.3	91.7	0.8	12	5.1		
	e pP	Z	06:26:42.5							

RUE	e P	Z	06:26:30.1	76.4	92.6	0.7	21	5.4
CLL	e P	Z	06:26:32.1	76.8	91.7	1.0	5	4.6
WET	e P	Z	06:26:32.9	76.9	91.1	0.8	7	4.9
	e pP	Z	06:26:46.0					
WERN	e P	Z	06:26:34.9	77.2	91.0	0.8	4	4.6
GUNZ	e P	Z	06:26:34.8	77.2	91.0	1.1	5	4.6
WERD	e P	Z	06:26:34.9	77.3	91.0	0.8	4	4.6
	e pP	Z	06:26:47.8					
ROTZ	e P	Z	06:26:35.4	77.3	90.8	0.9	8	4.8
	e pP	Z	06:26:48.9					
FUR	e P	Z	06:26:38.7	77.9	89.7	0.7	16	5.2
GRA1	e P	Z	06:26:39.1	77.9	90.0	0.7	12	5.1
	e pP	Z	06:26:52.3					
CLZ	e P	Z	06:26:41.8	78.5	89.8	0.7	12	5.0
	e pP	Z	06:26:54.6					
BSEG	e P	Z	06:26:42.3	78.5	90.2	1.1	18	5.0
	e pP	Z	06:26:55.5					
STU	e P	Z	06:26:46.5	79.3	88.3	0.6	8	4.9
INS	e P	Z	06:26:48.7	79.7	88.0	0.9	7	4.6
BFO	e P	Z	06:26:49.3	79.9	87.6	0.9	6	4.5
IBBN	e P	Z	06:26:50.3	80.1	87.8	0.6	15	5.1
BUG	e P	Z	06:26:52.5	80.4	87.3	0.9	9	4.7
WLF	e P	Z	06:26:57.3	81.2	86.1	1.1	11	4.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/04 13:43:39.9 3.482S 67.025E 22.7 5.2
 Carlsberg Ridge SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	13:54:48.9	69.7	121.4	2.2	21	4.9		
WET	e P	Z	13:54:51.9	70.3	120.8	2.3	32	5.0		
BRG	e P	Z	13:54:54.1	70.7	122.2	1.9	20	4.9		
FUR	e P	Z	13:54:55.2	70.8	119.1	0.7	24	5.4		
ROTZ	e P	Z	13:54:56.2	71.0	120.4	1.5	12	4.8		
WERN	e P	Z	13:54:57.8	71.2	120.7	1.6	46	5.3		
GUNZ	e P	Z	13:54:58.8	71.3	120.7	2.0	54	5.3		
WERD	e P	Z	13:54:58.3	71.3	120.7	2.2	47	5.2		
CLL	e P	Z	13:54:58.8	71.4	121.5	1.4	26	5.2		
GRA1	e P	Z	13:54:59.5	71.5	119.5	1.5	50	5.4		
	e pP	Z	13:55:06.0							
RUE	e P	Z	13:54:59.8	71.6	122.6	1.3	39	5.4		
STU	e P	Z	13:55:03.9	72.3	117.5	1.1	17	5.1		
BFO	e P	Z	13:55:06.2	72.6	116.6	2.1	58	5.3		
UBBA	e P	Z	13:55:07.1	72.8	118.8	1.5	26	5.1		
CLZ	e P	Z	13:55:09.0	73.1	119.4	1.4	19	5.1		
TNS	e P	Z	13:55:11.1	73.4	117.3	1.7	33	5.2		
WLF	e P	Z	13:55:17.2	74.4	115.2	1.5	24	5.0		

BUG	e P	Z	13:55:17.2	74.6	116.6	2.2	106	5.5
IBBN	e P	Z	13:55:19.3	74.7	117.2	1.5	23	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	13:42:57.1	22.180S	177.790W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	14:02:38.1	147.7	14.1					
RUE	e PKPbc	Z	14:02:40.1	148.4	20.8					
IBBN	e PKPbc	Z	14:02:43.2	149.6	10.2					
	e PKPab	Z	14:02:48.2							
CLZ	e PKPbc	Z	14:02:43.7	149.7	15.1					
CLL	e PKPbc	Z	14:02:43.3	149.7	20.1					
	e PKPab	Z	14:02:48.1							
BRG	e PKPbc	Z	14:02:44.0	149.9	22.0					
	e PKPab	Z	14:02:49.4							
BUG	e PKPbc	Z	14:02:45.3	150.5	9.5					
WERD	e PKPbc	Z	14:02:45.8	150.6	19.3					
	e PKPab	Z	14:02:52.6							
GUNZ	e PKPbc	Z	14:02:46.2	150.7	19.4					
	e PKPab	Z	14:02:53.0							
UBBA	e PKPbc	Z	14:02:46.1	150.7	14.9					
WERN	e PKPbc	Z	14:02:46.5	150.8	19.6					
	e PKPab	Z	14:02:53.6							
ROTZ	e PKPbc	Z	14:02:47.6	151.3	19.6					
	e PKPab	Z	14:02:55.5							
TNS	e PKPbc	Z	14:02:48.0	151.5	12.2					
	e PKPab	Z	14:02:56.1							
GRA1	e PKPbc	Z	14:02:48.1	151.6	17.7					
	e PKPab	Z	14:02:56.9							
WET	e PKPbc	Z	14:02:48.7	151.7	21.2					
	e PKPab	Z	14:02:57.4							
GEC2	e PKPbc	Z	14:02:48.5	151.8	23.0					
	e PKPab	Z	14:02:57.5							
WLF	e PKPbc	Z	14:02:50.3	152.3	7.9					
	e PKPab	Z	14:03:00.1							
STU	e PKPbc	Z	14:02:50.8	152.8	14.3					
FUR	e PKPbc	Z	14:02:51.1	153.0	18.8					
	e PKPab	Z	14:03:03.0							
BFO	e PKPbc	Z	14:02:52.0	153.4	12.7					
	e PKPab	Z	14:03:03.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	14:24:57.2	4.694S	105.291W	36.0G		5.3		NEIC

Central East Pacific Rise

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e SP	R 14:53:30.9	110.5	287.8					
	e SP	Z 14:53:47.5							
	e L	Z 15:18:09.5			41.6	1575		5.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	19:50:51.3	3.194S	36.077E	33.0N	4.6			SZGRF

Tanzania

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:00:34.6	57.1	150.0	1.7	11	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/04	22:22:4.7	47.820N	140.450E	33.0N	4.9			SZGRF

Primorye, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 22:33:15.2	69.9	33.1	1.1	12	4.9		
CLL	e P	Z 22:33:22.4	71.1	34.3	0.7	11	5.1		
BRG	e P	Z 22:33:23.0	71.2	34.8	1.4	9	4.7		
CLZ	e P	Z 22:33:26.2	71.6	32.8	0.8	12	5.1		
IBBN	e P	Z 22:33:28.3	72.1	31.2	1.0	14	5.0		
WERD	e P	Z 22:33:28.8	72.1	33.7	1.7	19	5.0		
GUNZ	e P	Z 22:33:29.0	72.2	33.7	1.4	10	4.8		
MOX	e P	Z 22:33:29.1	72.2	33.3	1.4	12	4.9		
WERN	e P	Z 22:33:29.0	72.2	33.7	0.9	8	4.8		
ROTZ	e P	Z 22:33:32.5	72.7	33.5	1.0	4	4.5		
GEC2	e P	Z 22:33:33.4	72.9	34.3	0.9	5	4.6		
WET	e P	Z 22:33:34.3	73.0	33.8	1.7	36	5.2		
GRA1	e P	Z 22:33:34.8	73.1	32.9	0.9	18	5.2		
TNS	e P	Z 22:33:37.4	73.6	31.3	1.4	12	4.7		
FUR	e P	Z 22:33:42.0	74.4	32.7	1.1	30	5.2		
STU	e P	Z 22:33:43.5	74.6	31.6	0.9	14	5.0		
BFO	e P	Z 22:33:46.9	75.3	31.0	1.1	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	03:56:52.5	17.859S	177.535W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 04:16:20.4	143.4	12.6					

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CLL	e	PKPbc	Z	04:16:26.9	145.5	17.9
BRG	e	PKPbc	Z	04:16:27.6	145.7	19.7
WERD	e	PKPbc	Z	04:16:29.9	146.5	17.1
GUNZ	e	PKPbc	Z	04:16:30.2	146.6	17.2
ROTZ	e	PKPbc	Z	04:16:31.9	147.1	17.3
TNS	e	PKPbc	Z	04:16:32.3	147.3	10.6
GRA1	e	PKPbc	Z	04:16:32.7	147.4	15.6
WET	e	PKPbc	Z	04:16:32.8	147.6	18.7
GEC2	e	PKPbc	Z	04:16:33.0	147.7	20.3
WLF	e	PKPbc	Z	04:16:35.0	148.1	6.6
STU	e	PKPbc	Z	04:16:35.8	148.6	12.4
FUR	e	PKPbc	Z	04:16:36.2	148.9	16.4
BFO	e	PKPbc	Z	04:16:36.7	149.2	10.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	06:43:59.0	12.150N	48.349E	33.0N	4.5			SZGRF
Eastern Gulf of Aden								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 06:52:24.6	46.5	130.0	0.9	5	4.5		
GRA1	e P	Z 06:52:37.7	48.3	127.8	1.2	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	08:46:52.1	4.554S	35.793E	33.0N	4.6			SZGRF
Tanzania								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 08:56:35.8	56.8	153.4	1.3	11	4.7		
GRA1	e P	Z 08:56:43.8	58.3	150.8	1.1	5	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	09:28:33.6	20.260S	169.550E	45.0		5.4		SZGRF
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKPbc	Z	09:48:03.1	143.9	41.1			
CLL	e	PKPbc	Z	09:48:03.8	143.9	39.4			
WERD	e	PKPbc	Z	09:48:07.7	144.9	39.1			
GUNZ	e	PKPbc	Z	09:48:08.0	144.9	39.2			
WERN	e	PKPbc	Z	09:48:08.2	145.0	39.3			
	e	PP	Z	09:51:24.6					
IBBN	e	PKPbc	Z	09:48:07.8	145.0	30.7			
	e	PP	Z	09:51:24.4					

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MOX	e PKPbc	Z	09:48:07.9	145.0	37.9						
	e PP	Z	09:51:25.6								
ROTZ	e PKPbc	Z	09:48:09.9	145.4	39.6						
	e PP	Z	09:51:27.2								
UBBA	e PKPbc	Z	09:48:09.6	145.5	35.3						
	e PP	Z	09:51:25.2								
GEC2	e PKPbc	Z	09:48:09.6	145.5	42.7						
	e PP	Z	09:51:26.8								
WET	e PKPbc	Z	09:48:10.4	145.6	41.2						
	e PP	Z	09:51:27.6								
BUG	e PKPbc	Z	09:48:10.5	145.9	30.6						
	e PP	Z	09:51:29.6								
GRA1	e PKPbc	Z	09:48:11.5	145.9	38.2						
	e pPKPbc	Z	09:48:25.0								
	e PP	Z	09:51:32.3								
	e L	Z	10:53:04.4			21.6	736		5.4		
TNS	e PKPbc	Z	09:48:13.4	146.5	33.4						
FUR	e PKPbc	Z	09:48:15.4	147.1	39.7						
STU	e PKPbc	Z	09:48:16.3	147.4	35.9						
WLF	e PKPbc	Z	09:48:17.6	147.8	30.2						
BFO	e PKPbc	Z	09:48:16.6	148.1	34.9						
	e PP	Z	09:51:42.5								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	12:55:40.4	4.407S	35.807E	33.0N	5.0			SZGRF
Tanzania								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:05:31.2	58.1	150.8	2.5	43	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	19:11:16.8	15.981S	174.230W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 19:30:45.9	144.2	11.9					
BRG	e PKPbc	Z 19:30:47.0	144.5	13.6					
BUG	e PKPbc	Z 19:30:47.3	144.5	2.5					
UBBA	e PKPbc	Z 19:30:48.6	145.0	7.1					
MOX	e PKPbc	Z 19:30:48.8	145.0	9.8					
WERD	e PKPbc	Z 19:30:49.2	145.1	11.0					
GUNZ	e PKPbc	Z 19:30:49.6	145.2	11.1					
WERN	e PKPbc	Z 19:30:49.9	145.3	11.2					
TNS	e PKPbc	Z 19:30:51.5	145.7	4.6					
ROTZ	e PKPbc	Z 19:30:51.7	145.8	11.1					

GRA1	e	PKPbc	Z	19:30:52.7	146.0	9.4
WLF	e	PKPbc	Z	19:30:53.7	146.3	0.7
WET	e	PKPbc	Z	19:30:53.3	146.3	12.4
GEC2	e	PKPbc	Z	19:30:53.7	146.5	13.9
STU	e	PKPbc	Z	19:30:55.7	147.1	6.1
FUR	e	PKPbc	Z	19:30:56.4	147.5	9.9
BFO	e	PKPbc	Z	19:30:56.7	147.6	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	20:38:24.7	31.200S	179.800W	272.0				NEIC
Kermadec Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPdf	Z	20:57:44.4	156.1	21.8				
	e	PKPab	Z	20:58:13.9						
HLG	e	PKPab	Z	20:58:15.0	156.4	16.6				
RUE	e	PKPdf	Z	20:57:45.1	156.5	30.3				
	e			20:57:56.4						
	e	PKPab	Z	20:58:15.9						
CLL	e	PKPdf	Z	20:57:46.5	157.8	30.1				
	e			20:57:58.5						
	e	PKPab	Z	20:58:21.1						
BRG	e	PKPdf	Z	20:57:46.3	157.8	32.6				
	e			20:57:58.7						
	e	PKPab	Z	20:58:21.7						
IBBN	e	PKPab	Z	20:58:22.7	158.2	17.6				
WERD	e	PKPdf	Z	20:57:47.0	158.7	29.7				
	e	PKPab	Z	20:58:25.7						
MOX	e	PKPdf	Z	20:57:47.8	158.8	27.9				
	e			20:58:00.6						
	e	PKPab	Z	20:58:25.7						
GUNZ	e	PKPdf	Z	20:57:47.9	158.8	29.8				
	e	PKPab	Z	20:58:26.1						
WERN	e	PKPdf	Z	20:57:47.5	158.9	30.0				
	e	PKPab	Z	20:58:26.4						
UBBA	e	PKPab	Z	20:58:26.6	159.1	24.1				
BUG	e	PKPab	Z	20:58:26.4	159.1	17.2				
ROTZ	e	PKPab	Z	20:58:29.0	159.4	30.3				
GEC2	e	PKPdf	Z	20:57:48.2	159.6	35.0				
	e			20:58:01.7						
	e	PKPab	Z	20:58:29.3						
WET	e	PKPdf	Z	20:57:48.7	159.7	32.7				
	e	PKPab	Z	20:58:30.0						
GRA1	e	PKPab	Z	20:58:30.5	159.7	28.2				
TNS	e	PKPdf	Z	20:57:49.1	160.0	21.0				
	e			20:58:03.0						
	e	PKPab	Z	20:58:30.8						

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WLF	e PKPdf	Z	20:57:50.9	161.0	15.8
	e PKPab	Z	20:58:35.5		
FUR	e PKPdf	Z	20:57:50.2	161.1	30.4
	e PKPab	Z	20:58:36.1		
STU	e PKPdf	Z	20:57:49.8	161.2	24.5
	e PKPab	Z	20:58:36.0		
BFO	e PKPab	Z	20:58:38.7	161.8	22.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/05	23:11:3.2	42.609N	46.051E	33.0N	4.2			SZGRF

Eastern Caucasus

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 23:16:08.2	23.2	93.3	1.1	4	3.9		
CLL	e P	Z 23:16:13.9	23.9	98.3	1.4	9	4.1		
NKC	e P	Z 23:16:15.8	24.1	95.3	1.2	11	4.2		
WERN	e P	Z 23:16:17.2	24.2	95.4	1.4	10	4.2		
PLN	e P	Z 23:15:59.5	24.4	95.6					
MOX	e P	Z 23:16:21.5	24.7	95.5	0.8	5	4.3		
FUR	e P	Z 23:16:23.8	24.8	89.8					
GRA1	e P	Z 23:16:23.5	24.9	93.1	1.5	16	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	00:27:48.7	2.860N	65.340E	33.0N	5.0			SZGRF

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 00:38:16.3	63.5	119.0	1.5	6	4.5		
BRG	e P	Z 00:38:21.0	64.4	120.1	1.3	6	4.6		
FUR	e P	Z 00:38:22.2	64.7	116.5	1.0	14	5.1		
WERN	e P	Z 00:38:25.0	65.0	118.4	1.3	20	5.2		
GUNZ	e P	Z 00:38:25.1	65.1	118.4					
CLL	e P	Z 00:38:25.4	65.1	119.4	1.7	17	5.0		
RUE	e P	Z 00:38:26.7	65.3	120.6	0.3	15	5.6		
GRA1	e P	Z 00:38:26.6	65.4	117.1	1.0	10	5.0		
MOX	e P	Z 00:38:27.3	65.6	117.8	1.3	8	4.8		
BFO	e P	Z 00:38:33.5	66.5	114.0	1.4	25	5.2		
UBBA	e P	Z 00:38:34.9	66.6	116.5	1.5	13	5.0		
RGN	e P	Z 00:38:33.9	66.6	120.9	1.0	46	5.7		
CLZ	e P	Z 00:38:36.8	66.8	117.2	1.1	12	5.0		
TNS	e P	Z 00:38:38.5	67.2	114.8	1.3	10	4.9		
BSEG	e P	Z 00:38:43.6	67.8	117.9	1.3	15	5.1		
WLF	e P	Z 00:38:46.3	68.3	112.6	1.0	11	5.1		
BUG	e P	Z 00:38:47.2	68.4	114.3	1.0	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	00:26:36.8	2.896S	141.603E	37.0G				NEIC
Near north coast of New Guinea, Papua New Guinea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 00:45:15.1	115.1	60.8					
BSEG	e PKPdf	Z 00:45:16.0	115.4	56.2					
CLL	e PKPdf	Z 00:45:15.5	115.4	59.8					
MOX	e PKPdf	Z 00:45:19.1	116.5	58.8					
WET	e PKPdf	Z 00:45:19.9	116.5	60.6					
GRA1	e PKPdf	Z 00:45:18.7	117.2	58.8					
	e PP	Z 00:46:29.3							
FUR	e PKPdf	Z 00:45:20.9	118.0	59.5					
BUG	e PKPdf	Z 00:45:21.4	118.3	54.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	01:38:55.7	19.980S	175.120W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 01:58:37.6	148.0	14.5					
BRG	e PKPbc	Z 01:58:38.7	148.3	16.4					
WERD	e PKPbc	Z 01:58:40.8	149.0	13.6					
GUNZ	e PKPbc	Z 01:58:40.4	149.0	13.7					
GEC2	e PKPbc	Z 01:58:43.7	150.3	16.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	03:57:30.7	4.147N	65.649E	33.0N	4.6			SZGRF
Carlsberg Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:08:04.6	64.5	116.0	1.1	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	05:26: 4.5	35.969N	31.472E	10.0G	3.8			KAN
Cyprus region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:30:23.7	18.3	128.1	0.6	3	3.5		
WET	e P	Z 05:30:23.8	18.9	127.2	0.5	6	4.1		
ROTZ	e P	Z 05:30:31.9	19.6	127.4	1.4	9	3.8		

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GUNZ	e P	Z	05:30:34.8	19.9	128.9	0.7	5	3.9
WERD	e P	Z	05:30:35.8	20.0	129.0	0.8	4	3.6
GRA1	e P	Z	05:30:36.4	20.1	125.4	0.8	7	3.9
MOX	e P	Z	05:30:40.8	20.5	128.2	0.8	6	3.9
BFO	e P	Z	05:30:48.8	21.0	117.5	1.0	10	4.1

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

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 05:40:13.0							
CLL	e P	Z 05:40:09.7							
GEC2	e P	Z 05:40:18.4							
GRA1	e P	Z 05:40:22.1							
GUNZ	e P	Z 05:40:15.0							
WERD	e P	Z 05:40:15.7							
WERN	e P	Z 05:40:15.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	07:47:46.1	2.900S	141.500E	35.0				NEIC

Near north coast of New Guinea, Papua New Guinea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 08:06:21.7	115.0	60.9					
CLZ	e PKP	Z 08:06:27.2	116.5	57.2					
ROTZ	e PKP	Z 08:06:29.9	116.6	59.8					
GRA1	e PKP	Z 08:06:27.6	117.1	58.9					
BFO	e PKP	Z 08:06:25.8	119.5	56.8					
WLF	e PKP	Z 08:06:34.0	119.9	54.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	14:37:59.6	5.000N	92.500E	27.8	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 14:50:00.8	78.9	95.2	1.1	14	4.9		
BRG	e P	Z 14:50:01.9	78.9	95.7	1.0	5	4.5		
WET	e P	Z 14:50:04.3	79.4	94.6	1.2	8	4.6		
GUNZ	e P	Z 14:50:06.9	79.9	94.4					
WERD	e P	Z 14:50:06.9	79.9	94.4					
ROTZ	e P	Z 14:50:07.3	79.9	94.2	0.9	6	4.5		
MOX	e P	Z 14:50:09.5	80.4	93.9	1.4	14	4.7		
GRA1	e P	Z 14:50:10.9	80.6	93.4	0.6	17	5.2		

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:40:20.5							
	e pP	Z 19:40:24.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/06	23:33:11.7	34.119N	82.867E	33.0N	4.6			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 23:42:13.3	51.5	81.0	0.9	5	4.4		
WET	e P	Z 23:42:20.3	52.4	78.9	1.1	6	4.4		
GRA1	e P	Z 23:42:28.4	53.4	78.2	1.4	15	4.8		
CLZ	e P	Z 23:42:28.7	53.5	79.2	1.0	6	4.6		
FUR	e P	Z 23:42:29.8	53.7	77.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07	00:02:29.5	27.939N	127.078E	33.0N	5.9	6.6		SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 00:14:35.4	79.9	55.2	1.7	241	6.0		
RUE	e P	Z 00:14:40.5	80.9	55.3	1.8	238	6.0		
BSEG	e P	Z 00:14:44.9	81.7	52.9	1.7	158	6.0		
BRG	e P	Z 00:14:44.6	81.7	55.2	2.0	121	5.8		
CLL	e P	Z 00:14:45.5	81.9	54.6	1.4	71	5.7		
WERD	e P	Z 00:14:50.4	82.8	54.0	2.0	125	5.8		
GUNZ	e P	Z 00:14:50.7	82.8	54.0	2.0	172	5.9		
WERN	e P	Z 00:14:50.8	82.8	54.0	1.8	118	5.8		
CLZ	e P	Z 00:14:51.7	82.9	52.7	1.9	303	6.2		
GEC2	e P	Z 00:14:51.3	83.0	54.8	2.0	96	5.7		
MOX	e P	Z 00:14:51.7	83.0	53.5	2.0	166	5.9		
ROTZ	e P	Z 00:14:53.2	83.2	53.8	1.8	148	5.9		
WET	e P	Z 00:14:53.1	83.3	54.2	2.3	200	5.9		
UBBA	e P	Z 00:14:55.3	83.7	52.3	1.9	160	5.9		
GRA1	e P	Z 00:14:55.9	83.8	53.1	2.0	324	6.2		
	e PP	Z 00:18:17.4							
	e S	R 00:25:17.6							
	e L	Z 00:55:36.3			19.5	25180		6.6	
GRFO	e P	Z 00:14:55.9	83.8	53.1	2.0	304	6.2		
IBBN	e P	Z 00:14:56.2	83.9	50.8	2.0	309	6.2		
BUG	e P	Z 00:15:00.0	84.7	50.3	2.1	196	5.9		
FUR	e P	Z 00:15:00.3	84.7	53.0	2.1	570	6.3		
TNS	e P	Z 00:15:01.4	84.9	51.1	2.0	104	5.6		
STU	e P	Z 00:15:03.4	85.4	51.6	2.1	139	5.7		
BFO	e P	Z 00:15:06.9	86.1	50.9	1.8	100	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07	02:57:43.9	27.781N	126.885E	33.0N	4.8			SZGRF

Northwest of Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:10:10.4	83.8	53.3	1.4	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07	03:37:34.2	2.468S	67.067E	33.0N	4.8			SZGRF

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:48:47.4	70.7	118.9	1.2	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 05:05:49.8							
	e Sg	E 05:06:30.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:20:35.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 10:32:35.8							
GRA1	e P	Z 10:32:47.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07	21:27:12.0	3.218N	65.840E	33.0N	5.0			SZGRF

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERN	e P	Z 21:37:49.9	65.0	117.7	1.1	13	5.1		
MANZ	e P	Z 21:37:50.8	65.0	117.3	1.8	12	4.8		
GUNZ	e P	Z 21:37:50.4	65.0	117.7	1.6	16	5.0		
WERD	e P	Z 21:37:50.4	65.1	117.7	1.8	12	4.8		
CLL	e P	Z 21:37:49.9	65.1	118.7	1.6	22	5.1		
GRA1	e P	Z 21:37:51.6	65.4	116.4	1.6	19	5.1		
MOX	e P	Z 21:37:51.9	65.6	117.2	2.1	30	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/07	22:23:32.1	37.987N	20.660E	10.0G				SZGRF

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RJOB	e Pn	Z 22:26:13.1	11.3	146.7					
	e Sn	N 22:28:11.2							
GEC2	e Pn	Z 22:26:21.2	12.0	152.6					
	e Sn	N 22:28:28.6							
WET	e Pn	Z 22:26:28.6	12.5	150.4					
	e Sn	E 22:28:37.2							
ROTZ	e Sn	N 22:28:53.8	13.2	149.6					
MOX	e Sn	N 22:29:17.2	14.2	149.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	00:07:40.2	4.061S	37.821E	33.0N	4.3			SZGRF

Tanzania

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:17:33.3	58.5	148.4	0.8	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	00:37: 9.2	37.860N	71.660E	121.7	5.1			SZGRF

Afghanistan-Tajikistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 00:44:50.5	42.1	84.8	1.2	58	5.2		
	e sP	Z 00:45:31.2							
	e PP	Z 00:46:30.7							
GEC2	e P	Z 00:44:53.4	42.5	82.5	1.9	56	5.0		
CLL	e P	Z 00:44:54.5	42.6	84.7	1.2	36	5.0		
	e pP	Z 00:45:22.8							

	e sP	Z	00:45:35.3							
WET	e P	Z	00:44:57.4	43.0	82.2	1.2	16	4.6		
RJOB	e P	Z	00:44:59.0	43.2	80.7	1.2	20	4.7		
ROTZ	e P	Z	00:45:01.0	43.3	82.5	1.5	53	5.1		
	e sP	Z	00:45:42.0							
MANZ	e P	Z	00:45:01.0	43.3	82.6	1.1	23	4.8		
	e PP	Z	00:46:44.3							
MOX	e P	Z	00:45:02.5	43.6	83.0	1.3	32	4.9		
	e sP	Z	00:45:43.7							
GRA1	e P	Z	00:45:06.2	43.9	81.7	1.4	79	5.3		
	e pP	Z	00:45:33.9							
	e sP	Z	00:45:46.6							
	e PP	Z	00:46:49.9							
BSEG	e P	Z	00:45:06.7	44.0	85.4	1.1	63	5.3		
	e PP	Z	00:46:50.0							
FUR	e P	Z	00:45:07.0	44.2	80.2	1.4	108	5.4		
	e PP	Z	00:46:56.0							
CLZ	e P	Z	00:45:07.7	44.2	83.3	1.0	30	5.0		
	e PP	Z	00:46:54.1							
UBBA	e P	Z	00:45:10.2	44.6	82.0	1.3	24	5.0		
	e pP	Z	00:45:38.2							
STU	e P	Z	00:45:16.8	45.4	79.5	0.9	32	5.3		
TNS	e P	Z	00:45:18.8	45.6	80.4	1.1	16	5.0		
	e pP	Z	00:45:47.7							
IBBN	e P	Z	00:45:19.7	45.7	81.9	1.2	88	5.7		
BFO	e P	Z	00:45:21.3	46.0	78.5	1.1	24	5.1		
	e PP	Z	00:47:12.1							
BUG	e P	Z	00:45:23.0	46.2	80.8	1.1	37	5.3		
WLF	e P	Z	00:45:31.1	47.2	78.4	1.1	59	5.6		

Date 2007/08/08 Origin Time 01:01:39.5 Lat 0.400N Long 28.940W Depth 23.3 mb 5.1 Ms 4.4 ML Source SZGRF
 Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 01:11:27.3	57.7	222.9	1.4	19	4.9		
BFO	e P	Z 01:11:27.8	57.7	225.8	1.7	61	5.4		
	e PP	Z 01:13:37.8							
STU	e P	Z 01:11:32.6	58.4	226.5	0.7	13	5.0		
FUR	e P	Z 01:11:37.1	59.0	228.8	1.4	60	5.4		
TNS	e P	Z 01:11:37.4	59.1	225.0	1.4	28	5.1		
BUG	e P	Z 01:11:39.8	59.4	223.3	1.3	31	5.2		
RJOB	e P	Z 01:11:40.1	59.5	230.6	1.0	17	5.0		
GRA1	e P	Z 01:11:43.9	60.0	228.1	1.2	25	5.1		
	e pP	Z 01:11:50.4							
	e PP	Z 01:13:57.2							
	e L	Z 01:34:11.8			21.5	271		4.4	

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UBBA	e P	Z	01:11:45.2	60.2	226.4	1.6	21	4.9
	e PP	Z	01:13:58.1					
IBBN	e P	Z	01:11:45.4	60.3	223.5	0.9	24	5.2
WET	e P	Z	01:11:46.9	60.5	230.0	1.3	22	5.0
ROTZ	e P	Z	01:11:47.5	60.5	229.1	1.2	25	5.1
MANZ	e P	Z	01:11:48.1	60.6	228.9	1.5	20	4.7
GEC2	e P	Z	01:11:48.6	60.7	231.0	1.2	24	4.9
	e PP	Z	01:13:58.4					
MOX	e P	Z	01:11:49.8	60.8	228.1	1.5	28	4.9
	e PP	Z	01:14:02.7					
CLZ	e P	Z	01:11:51.3	61.1	226.4	2.0	32	4.8
CLL	e P	Z	01:11:57.3	61.9	229.2	1.8	42	5.4
	e PP	Z	01:14:09.6					
BRG	e P	Z	01:11:58.1	62.1	230.3	1.4	16	5.1
	e PP	Z	01:14:10.8					
BSEG	e P	Z	01:12:00.5	62.5	225.5	1.7	71	5.6
	e PP	Z	01:14:14.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	02:00:30.8	51.696N	157.154E	33.0N	4.4			SZGRF
Near east coast of Kamchatka Peninsula, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 02:11:54.8	72.6	22.4	0.6	4	4.7		
MOX	e P	Z 02:12:00.9	73.6	21.4	0.9	3	4.3		
GRA1	e P	Z 02:12:06.8	74.6	21.1	0.7	3	4.4		
WET	e P	Z 02:12:07.7	74.7	22.0	1.0	4	4.3		
GEC2	e P	Z 02:12:07.8	74.7	22.5	0.5	2	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	02:23:53.5	22.290S	170.460E	33.0N				SZGRF
Southeast of Loyalty Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 02:43:25.9	145.0	33.2					
BRG	e PKPbc	Z 02:43:29.8	146.1	41.3					
CLL	e PKPbc	Z 02:43:29.7	146.1	39.5					
CLZ	e PKPbc	Z 02:43:31.7	146.7	35.0					
MOX	e PKPbc	Z 02:43:32.8	147.2	38.0					
MANZ	e PKPbc	Z 02:43:33.6	147.5	39.5					
ROTZ	e PKPbc	Z 02:43:34.5	147.6	39.8					
	e PKPab	Z 02:43:37.1							
GEC2	e PKPbc	Z 02:43:34.4	147.7	43.1					
	e PKPab	Z 02:43:37.7							
WET	e PKPbc	Z 02:43:35.0	147.8	41.5					

	e	PKPab	Z	02:43:37.7					
GRA1	e	PKPbc	Z	02:43:35.5	148.1	38.4			
TNS	e	PKPbc	Z	02:43:37.3	148.7	33.4			
RJOB	e	PKPbc	Z	02:43:37.4	148.9	42.9			
FUR	e	PKPab	Z	02:43:43.5	149.3	40.0			
WLF	e	PKPbc	Z	02:43:40.7	150.0	30.0			
BFO	e	PKPbc	Z	02:43:40.6	150.3	35.0			
	e	PKPab	Z	02:43:47.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	03:03:39.8	22.750S	177.870W	540.0G				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPdf	Z 03:22:21.0	148.2	14.4					
	e	PKPbc	Z 03:22:25.5							
	e	PKPab	Z 03:22:31.3							
IBBN	e	PKPbc	Z 03:22:30.1	150.1	10.5					
	e	PKPab	Z 03:22:39.8							
	e	pPKPbc	Z 03:24:37.4							
CLZ	e	PKPdf	Z 03:22:23.8	150.2	15.4					
	e	PKPbc	Z 03:22:30.4							
	e	pPKPbc	Z 03:24:37.3							
CLL	e	PKPdf	Z 03:22:23.2	150.2	20.5					
	e	PKPbc	Z 03:22:29.9							
	e	PKPab	Z 03:22:39.1							
BRG	e	PKPdf	Z 03:22:24.0	150.4	22.5					
	e	PKPbc	Z 03:22:30.4							
	e	PKPab	Z 03:22:40.2							
	e	pPKPbc	Z 03:24:37.3							
BUG	e	PKPbc	Z 03:22:31.9	151.0	9.8					
MOX	e	PKPdf	Z 03:22:24.7	151.1	18.4					
	e	PKPbc	Z 03:22:32.0							
	e	PKPab	Z 03:22:43.4							
UBBA	e	PKPdf	Z 03:22:25.1	151.3	15.2					
	e	PKPbc	Z 03:22:31.9							
	e	PKPab	Z 03:22:44.2							
	e	pPKPbc	Z 03:24:39.5							
MANZ	e	PKPdf	Z 03:22:25.4	151.7	19.7					
	e	PKPbc	Z 03:22:33.2							
ROTZ	e	PKPbc	Z 03:22:33.6	151.8	20.0					
	e	PKPab	Z 03:22:46.4							
TNS	e	PKPdf	Z 03:22:26.1	152.1	12.5					
	e	PKPbc	Z 03:22:34.3							
	e	PKPab	Z 03:22:47.9							
	e	pPKPbc	Z 03:24:41.7							
GRA1	e	PKPdf	Z 03:22:27.2	152.1	18.2					

	e	PKPbc	Z	03:22:34.1						
	e	PKPab	Z	03:22:48.0						
WET	e	PKPdf	Z	03:22:26.1	152.3	21.7				
	e	PKPbc	Z	03:22:33.4						
	e	PKPab	Z	03:22:48.5						
	e	pPKPbc	Z	03:24:41.1						
GEC2	e	PKPdf	Z	03:22:26.0	152.3	23.5				
	e	PKPbc	Z	03:22:34.2						
	e	PKPab	Z	03:22:48.1						
WLF	e	PKPdf	Z	03:22:27.6	152.9	8.2				
	e	PKPbc	Z	03:22:36.6						
	e	PKPab	Z	03:22:52.0						
STU	e	PKPdf	Z	03:22:28.2	153.4	14.7				
	e	PKPbc	Z	03:22:37.0						
	e	PKPab	Z	03:22:53.3						
FUR	e	PKPab	Z	03:22:54.2	153.6	19.2				
RJOB	e	PKPbc	Z	03:22:36.6	153.6	22.6				
	e	PKPab	Z	03:22:54.3						
BFO	e	PKPbc	Z	03:22:38.0	153.9	13.1				
	e	PKPab	Z	03:22:55.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	03:28:49.1	28.375N	65.014E	33.0N	4.6			SZGRF
Pakistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 03:36:52.7	44.0	98.4	0.9	7	4.4		
BRG	e P	Z 03:36:54.8	44.1	100.7	0.8	7	4.4		
FBE	e P	Z 03:36:58.1	44.5	100.2	0.9	11	4.8		
MOX	e P	Z 03:37:05.9	45.6	98.4	0.8	9	4.8		
GRA1	e P	Z 03:37:07.1	45.7	97.1	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	09:09:36.6	52.939N	155.131E	236.7	5.2			SZGRF
Northwest of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 09:20:18.0	69.2	21.8	1.2	20	5.1		
RUE	e P	Z 09:20:20.8	69.7	23.7	1.1	41	5.5		
CLL	e P	Z 09:20:27.9	71.0	23.0	1.1	34	5.4		
	e pP	Z 09:21:23.7							
CLZ	e P	Z 09:20:29.6	71.1	21.6	1.3	50	5.5		
	e pP	Z 09:21:23.8							
BRG	e P	Z 09:20:29.0	71.2	23.5	1.3	19	5.1		
FBE	e P	Z 09:20:30.1	71.3	23.2	1.4	37	5.3		

MOX	e P	Z	09:20:33.9	72.0	22.1	1.0	14	5.0
	e pP	Z	09:21:29.8					
WERD	e P	Z	09:20:34.2	72.0	22.5	1.3	23	5.1
GUNZ	e P	Z	09:20:34.6	72.0	22.5	1.2	20	5.1
WERN	e P	Z	09:20:35.0	72.1	22.5	0.8	12	5.1
UBBA	e P	Z	09:20:35.2	72.2	21.2	1.7	36	5.2
BUG	e P	Z	09:20:35.3	72.2	19.7	1.4	35	5.3
MANZ	e P	Z	09:20:36.9	72.4	22.3	1.1	11	4.8
ROTZ	e P	Z	09:20:38.3	72.6	22.4	1.4	26	5.1
GRA1	e P	Z	09:20:40.2	72.9	21.8	1.5	61	5.4
WET	e P	Z	09:20:40.7	73.0	22.7	1.7	42	5.2
	e pP	Z	09:21:36.3					
TNS	e P	Z	09:20:40.8	73.1	20.2	0.7	14	5.1
GEC2	e P	Z	09:20:40.7	73.1	23.1	1.4	19	4.9
STU	e P	Z	09:20:47.3	74.3	20.5	0.9	22	5.3
FUR	e P	Z	09:20:47.9	74.3	21.7	0.6	23	5.5
RJOB	e P	Z	09:20:48.4	74.4	22.5	0.9	10	4.9
BFO	e P	Z	09:20:50.7	74.9	20.0	0.8	16	5.2

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/08 15:19:38.5 27.400N 129.290E 33.0N 5.7 5.1
 Ryukyu Islands, Japan SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 15:31:54.0	81.4	53.8	1.0	121	6.0		
RUE	e P	Z 15:31:59.3	82.4	53.9	0.9	59	5.8		
BSEG	e P	Z 15:32:03.4	83.2	51.5	0.9	93	6.0		
BRG	e P	Z 15:32:03.5	83.3	53.9	1.0	24	5.4		
CLL	e P	Z 15:32:04.4	83.5	53.2	0.9	65	5.9		
FBE	e P	Z 15:32:05.4	83.5	53.5	1.1	84	5.9		
WERD	e P	Z 15:32:09.1	84.4	52.7	1.1	40	5.6		
GUNZ	e P	Z 15:32:09.4	84.4	52.7	0.9	58	5.8		
WERN	e P	Z 15:32:09.6	84.4	52.7	1.0	70	5.8		
CLZ	e P	Z 15:32:10.2	84.5	51.3	1.0	142	6.1		
MOX	e P	Z 15:32:10.2	84.6	52.2	1.0	25	5.4		
GEC2	e P	Z 15:32:10.2	84.6	53.5	1.1	32	5.4		
MANZ	e P	Z 15:32:11.2	84.7	52.5	1.1	42	5.6		
ROTZ	e P	Z 15:32:11.9	84.8	52.5	1.0	66	5.8		
WET	e P	Z 15:32:11.7	84.9	53.0	1.2	22	5.3		
UBBA	e P	Z 15:32:13.8	85.3	51.0	1.8	102	5.7		
GRA1	e P	Z 15:32:14.7	85.4	51.8	1.1	94	5.8		
	e L	Z 16:14:13.9			18.4	668		5.1	
IBBN	e P	Z 15:32:14.5	85.4	49.4	1.1	101	5.8		
RJOB	e P	Z 15:32:16.3	85.7	52.8	1.0	47	5.6		
FUR	e P	Z 15:32:19.2	86.3	51.8	0.9	99	6.0		
TNS	e P	Z 15:32:19.8	86.4	49.8	1.2	27	5.3		
STU	e P	Z 15:32:22.1	87.0	50.3	1.2	43	5.4		

BFO	e P	Z	15:32:25.6	87.7	49.6	1.4	27	5.4
WLF	e P	Z	15:32:26.4	87.9	48.1	0.9	16	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	17:05:0.3	7.350S	105.390E	277.7				SZGRF

Jawa, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
BRG	e Pdiff	Z	17:17:55.4	96.6	93.5						
	e sP	Z	17:19:37.0								
	e PP	Z	17:21:55.7								
	e SKSac	R	17:28:07.6								
	e sSKSac	R	17:30:15.8								
GEC2	e Pdiff	Z	17:17:54.6	96.6	93.6						
	e sP	Z	17:19:36.2								
	e PP	Z	17:21:56.2								
	e SKSac	R	17:28:08.6								
	e sSKSac	R	17:30:17.7								
RUE	e Pdiff	Z	17:17:54.9	96.8	93.2						
	e sP	Z	17:19:36.8								
	e PP	Z	17:21:54.2								
	e SKSac	R	17:28:07.3								
	e sSKSac	R	17:30:16.1								
FBE	e SKSac	R	17:28:14.9	97.0	93.1						
	RJOB	e Pdiff	Z	17:17:57.8	97.2	93.1					
		e sP	Z	17:19:38.6							
		e PP	Z	17:22:00.1							
		e SKSac	R	17:28:09.7							
RGN		e Pdiff	Z	17:17:56.6	97.2	92.6					
	e sP	Z	17:19:40.5								
	e PP	Z	17:22:00.0								
	e SKSac	R	17:28:11.1								
	e sSKSac	R	17:30:17.3								
WET	e Pdiff	Z	17:17:57.7	97.2	92.9						
	e sP	Z	17:19:40.2								
	e PP	Z	17:21:59.4								
	e SKSac	R	17:28:11.7								
	e sSKSac	R	17:30:20.8								
CLL	e Pdiff	Z	17:17:57.3	97.2	92.8						
	e sP	Z	17:19:39.7								
	e PP	Z	17:22:00.1								
	e SKSac	R	17:28:10.0								
	e sSKSac	R	17:30:19.2								
WERN	e SKSac	R	17:28:21.3	97.6	92.4						
GUNZ	e SKSac	R	17:28:21.6	97.6	92.4						
WERD	e SKSac	R	17:28:09.5	97.6	92.3						
ROTZ	e Pdiff	Z	17:18:00.2	97.7	92.3						

	e sP	Z	17:19:43.2		
	e PP	Z	17:22:04.5		
	e SKSac	R	17:28:15.0		
	e sSKSac	R	17:30:21.6		
MANZ	e Pdiff	Z	17:18:00.3	97.7	92.2
	e sP	Z	17:19:43.8		
	e PP	Z	17:22:06.0		
	e SKSac	R	17:28:15.2		
	e sSKSac	R	17:30:22.8		
MOX	e Pdiff	Z	17:18:01.8	98.1	91.8
	e PP	Z	17:22:06.8		
	e SKSac	R	17:28:15.4		
	e sSKSac	R	17:30:21.6		
FUR	e Pdiff	Z	17:18:02.6	98.2	91.9
	e PP	Z	17:22:08.2		
	e SKSac	R	17:28:15.7		
	e sSKSac	R	17:30:22.7		
GRA1	e Pdiff	Z	17:18:03.0	98.3	91.6
	e PP	Z	17:22:09.7		
	e SKSac	R	17:28:17.3		
	e sSKSac	R	17:30:21.4		
	e P'P'df	Z	17:42:55.7		
CLZ	e Pdiff	Z	17:18:05.1	98.9	90.6
	e PP	Z	17:22:13.4		
	e SKSac	R	17:28:19.5		
	e sSKSac	R	17:30:24.5		
BSEG	e Pdiff	Z	17:18:04.7	98.9	90.3
	e PP	Z	17:22:15.6		
	e SKSac	R	17:28:20.1		
	e sSKSac	R	17:30:27.2		
UBBA	e Pdiff	Z	17:18:06.1	99.1	90.5
	e PP	Z	17:22:14.1		
	e SKSac	R	17:28:21.1		
	e sSKSac	R	17:30:22.8		
STU	e Pdiff	Z	17:18:08.7	99.6	90.2
	e PP	Z	17:22:19.3		
	e SKSac	R	17:28:23.1		
	e sSKSac	R	17:30:23.6		
TNS	e Pdiff	Z	17:18:11.0	100.1	89.4
	e PP	Z	17:22:23.7		
	e SKSac	R	17:28:26.8		
	e sSKSac	R	17:30:25.8		
BFO	e Pdiff	Z	17:18:11.3	100.2	89.7
	e PP	Z	17:22:24.4		
	e SKSac	R	17:28:25.7		
	e sSKSac	R	17:30:25.0		
HLG	e Pdiff	Z	17:18:11.1	100.3	88.2
	e PP	Z	17:22:28.1		
	e SKSac	R	17:28:26.8		

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IBBN	e Pdiff	Z	17:18:12.2	100.5	88.5
	e SKSac	R	17:28:27.4		
WLF	e Pdiff	Z	17:18:18.3	101.6	87.7
	e PP	Z	17:22:34.7		
	e SKSac	R	17:28:33.7		

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

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pdiff	Z 18:00:49.8							
BRG	e Pdiff	Z 18:00:34.6							
CLL	e Pdiff	Z 18:00:36.6							
CLZ	e Pdiff	Z 18:00:44.2							
FBE	e Pdiff	Z 18:00:36.3							
GEC2	e Pdiff	Z 18:00:34.4							
GRA1	e Pdiff	Z 18:00:41.9							
GUNZ	e Pdiff	Z 18:00:38.4							
MANZ	e Pdiff	Z 18:00:39.1							
MOX	e Pdiff	Z 18:00:40.5							
RJOB	e Pdiff	Z 18:00:38.0							
ROTZ	e Pdiff	Z 18:00:39.8							
STU	e Pdiff	Z 18:00:47.7							
TNS	e Pdiff	Z 18:00:48.8							
UBBA	e Pdiff	Z 18:00:44.9							
WET	e Pdiff	Z 18:00:37.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	21:26:42.1	36.642N	0.994E	33.0N				SZGRF
Northern Algeria								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:30:17.6	15.0	213.4					
WET	e P	Z 21:30:18.7	15.2	219.1	1.0	7			
GEC2	e P	Z 21:30:19.9	15.3	221.9	1.0	6			
ROTZ	e P	Z 21:30:21.7	15.4	215.9	1.0	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	21:28:58.6	34.545N	25.224E	1.0G	3.9			THE
Crete, Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:32:53.6	16.6	144.9	0.6	3	3.6		

WET	e P	Z	21:32:59.7	17.2	143.5	0.8	4	3.6
MANZ	e P	Z	21:33:10.0	18.2	143.2	0.6	4	3.8
GRA1	e P	Z	21:33:11.4	18.3	140.6	0.8	8	3.9
BFO	e P	Z	21:33:14.7	18.6	131.5	1.2	9	3.9
MOX	e P	Z	21:33:19.0	18.9	143.2	0.6	4	3.8
TNS	e P	Z	21:33:30.5	19.9	135.7	1.0	15	4.2
CLZ	e P	Z	21:33:32.3	20.3	142.6	0.8	8	4.0
WLF	e P	Z	21:33:36.6	20.6	130.1	0.8	15	4.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/08	21:55:37.5	65.920N	126.558E	33.0N	5.1			SZGRF
Northern and central Siberia, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e P	Z	22:04:54.5	53.4	27.5	1.6	35	5.1		
UBBA	e P	Z	22:04:58.3	53.7	26.9	1.7	28	5.0		
MANZ	e P	Z	22:04:54.8	53.8	27.4	1.6	24	5.0		
WET	e P	Z	22:04:58.2	54.3	27.4	1.5	12	4.7		
GRA1	e P	Z	22:05:01.1	54.3	27.0	1.6	35	5.2		
TNS	e P	Z	22:05:07.3	54.6	26.2	1.5	29	5.1		
STU	e P	Z	22:05:13.0	55.7	26.0	1.8	85	5.5		
BFO	e P	Z	22:05:17.7	56.4	25.6	1.6	47	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/09	00:55:56.6	22.620N	120.790E	33.0N	5.2	5.3		SZGRF
Taiwan								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:08:17.5	82.6	63.0	1.1	13	5.1		
	e PP	Z	01:11:27.6							
CLL	e P	Z	01:08:18.7	82.9	62.3	1.1	18	5.2		
	e PP	Z	01:11:29.5							
BSEG	e PP	Z	01:11:32.0	83.1	60.6					
GEC2	e P	Z	01:08:23.1	83.6	62.6	1.0	13	5.1		
WET	e P	Z	01:08:25.0	84.0	62.0	2.6	106	5.6		
	e PP	Z	01:11:37.8							
MOX	e P	Z	01:08:24.7	84.0	61.2	1.1	11	5.0		
MANZ	e P	Z	01:08:25.3	84.0	61.6	1.4	19	5.1		
	e PP	Z	01:11:39.1							
ROTZ	e P	Z	01:08:25.8	84.1	61.6	1.2	19	5.2		
CLZ	e P	Z	01:08:25.7	84.1	60.4	1.1	17	5.2		
GRA1	e P	Z	01:08:28.7	84.6	60.9	1.6	42	5.4		
	e PP	Z	01:11:45.1							
	e S	T	01:18:56.7							
	e L	Z	01:51:13.2			19.0	1193		5.3	

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RJOB	e P	Z	01:08:28.7	84.7	61.9	0.9	11	5.1
UBBA	e P	Z	01:08:28.7	84.8	60.1	1.7	30	5.2
FUR	e P	Z	01:08:32.4	85.4	60.8	1.1	33	5.4
TNS	e P	Z	01:08:34.5	85.9	58.9	1.2	10	4.8
	e PP	Z	01:11:56.5					
BFO	e P	Z	01:08:38.9	87.0	58.7			
WLF	e P	Z	01:08:42.6	87.5	57.1	1.6	34	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/09	03:34:42.4	44.982N	143.567E	33.0N	4.6			SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 03:46:18.2	74.7	33.9	1.0	8	4.7		
BRG	e P	Z 03:46:18.3	74.7	34.4	1.0	3	4.3		
CLZ	e P	Z 03:46:21.6	75.1	32.2	1.3	13	4.9		
GUNZ	e P	Z 03:46:24.8	75.7	33.3	0.7	3	4.6		
MOX	e P	Z 03:46:24.3	75.7	32.9	1.2	6	4.6		
WERN	e P	Z 03:46:24.9	75.8	33.3	0.7	3	4.5		
ROTZ	e P	Z 03:46:27.9	76.2	33.1	1.1	6	4.6		
GEC2	e P	Z 03:46:29.0	76.5	33.9	1.0	3	4.4		
WET	e P	Z 03:46:30.0	76.5	33.5	0.9	6	4.7		
GRA1	e P	Z 03:46:30.4	76.7	32.5	0.9	12	5.0		
TNS	e P	Z 03:46:33.2	77.1	30.8	1.5	10	4.7		
RJOB	e P	Z 03:46:35.9	77.7	33.2	1.0	6	4.7		
BFO	e P	Z 03:46:41.3	78.8	30.5	1.1	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/09	07:59:22.4	14.880S	173.221W	44.1		4.9		SZGRF
Samoa Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MANZ	e pPKPbc	Z 08:19:05.3	144.6	8.9					
TNS	e PKPbc	Z 08:18:53.8	144.6	2.8					
	e pPKPbc	Z 08:19:05.2							
ROTZ	e PKPdf	Z 08:18:46.1	144.8	9.1					
	e PKPbc	Z 08:18:53.5							
	e pPKPbc	Z 08:19:06.3							
GRA1	e pPKPbc	Z 08:19:06.6	145.0	7.5					
	e L	Z 09:24:59.7			20.2	215		4.9	
WLF	e PKPdf	Z 08:18:46.8	145.2	358.9					
	e PKPbc	Z 08:18:55.3							
	e pPKPbc	Z 08:19:07.7							
WET	e pPKPbc	Z 08:19:07.9	145.4	10.4					
GEC2	e PKPbc	Z 08:18:54.5	145.6	11.9					

	e	pPKPbc	Z	08:19:08.2		
STU	e	pPKPbc	Z	08:19:10.1	146.1	4.2
FUR	e	pPKPbc	Z	08:19:12.0	146.5	7.9
BFO	e	PKPbc	Z	08:18:57.1	146.5	2.7
	e	pPKPbc	Z	08:19:11.5		
RJOB	e	PKPbc	Z	08:18:58.7	146.8	10.7
	e	pPKPbc	Z	08:19:12.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/09	17:25: 5.1	25.400N	45.110W	33.0N	5.4	4.8		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 17:33:27.1	46.1	257.7	1.9	129	5.6		
	e S	R 17:40:10.0							
BFO	e P	Z 17:33:36.2	47.3	260.9	1.8	109	5.7		
TNS	e P	Z 17:33:39.7	47.7	259.3					
	e P	Z 17:33:42.0							
	e S	R 17:40:36.5							
IBBN	e P	Z 17:33:39.4	47.7	256.8					
STU	e P	Z 17:33:40.8	47.9	261.2	1.3	42	5.4		
	e S	R 17:40:37.8							
UBBA	e P	Z 17:33:47.6	48.8	260.1	1.9	62	5.3		
	e PcP	Z 17:35:15.0							
CLZ	e P	Z 17:33:50.9	49.2	259.5	2.0	67	5.3		
	e PcP	Z 17:35:15.8							
	e S	R 17:40:58.1							
FUR	e P	Z 17:33:51.5	49.2	263.4					
	e PcP	Z 17:35:17.2							
	e S	R 17:40:57.5							
GRFO	e S	R 17:40:59.8	49.4	262.1					
GRA1	e P	Z 17:33:52.3	49.4	262.1	1.0	23	5.1		
	e S	R 17:41:00.0							
	e L	Z 17:50:15.6			21.5	1139		4.8	
BSEG	e P	Z 17:33:53.7	49.6	257.7	1.6	182	5.9		
	e S	R 17:40:59.7							
MOX	e P	Z 17:33:55.1	49.8	261.6	1.7	44	5.2		
	e PcP	Z 17:35:18.2							
	e S	R 17:41:04.5							
MANZ	e P	Z 17:33:57.1	50.0	262.6	2.2	133	5.5		
	e S	R 17:41:08.5							
ROTZ	e P	Z 17:33:57.3	50.0	262.9	1.8	41	5.1		
	e PcP	Z 17:35:18.6							
	e S	R 17:41:09.0							
GUNZ	e P	Z 17:33:59.1	50.2	262.5	2.1	109	5.4		
RJOB	e P	Z 17:33:58.6	50.2	265.0	2.1	81	5.3		
	e PcP	Z 17:35:18.8							

	e S	R	17:41:10.7						
WERN	e P	Z	17:33:58.7	50.2	262.6	1.7	92	5.4	
	e PcP	Z	17:35:17.8						
WET	e P	Z	17:33:59.8	50.4	263.9	2.4	128	5.4	
	e S	R	17:41:12.5						
CLL	e P	Z	17:34:02.3	50.7	262.3	2.4	138	5.5	
	e PcP	Z	17:35:18.5						
	e S	R	17:41:17.7						
GEC2	e P	Z	17:34:03.8	50.9	264.8	1.8	81	5.4	
	e S	R	17:41:19.2						
BRG	e P	Z	17:34:06.6	51.3	263.4	2.5	185	5.6	
	e S	R	17:41:26.4						
RUE	e P	Z	17:34:07.6	51.4	262.0	1.2	56	5.4	
	e S	R	17:41:26.1						

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/09 20:30:21.8 30.749N 129.398E 31.9 5.0 5.2 ML SZGRF
 Kyushu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 20:42:27.4	79.7	52.0	0.6	8	4.8		
BRG	e P	Z 20:42:31.5	80.6	51.9	1.4	10	4.6		
CLL	e P	Z 20:42:32.1	80.8	51.3	1.2	14	4.9		
FBE	e P	Z 20:42:33.5	80.8	51.5	1.6	18	4.8		
CLZ	e P	Z 20:42:37.8	81.7	49.4	1.2	17	5.0		
GUNZ	e P	Z 20:42:37.8	81.7	50.7	1.9	35	5.2		
	e pP	Z 20:42:47.1							
MOX	e P	Z 20:42:38.3	81.9	50.2	1.9	26	5.0		
MANZ	e pP	Z 20:42:48.8	82.1	50.5					
ROTZ	e P	Z 20:42:39.1	82.1	50.5	1.5	15	4.9		
	e pP	Z 20:42:48.7							
GRA1	e P	Z 20:42:42.5	82.7	49.8	1.3	25	5.3		
	e pP	Z 20:42:52.0							
	e L	Z 21:24:02.7			18.5	870		5.2	
RJOB	e P	Z 20:42:45.6	83.1	50.7	1.6	13	4.9		
TNS	e P	Z 20:42:48.2	83.7	47.9	1.5	12	4.9		
BFO	e P	Z 20:42:54.3	85.0	47.6	1.6	20	5.1		
	e pP	Z 20:43:02.9							
WLF	e P	Z 20:42:55.5	85.1	46.2	1.2	12	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/10 00:20:33.5 30.950S 175.920W 33.0G ML SZGRF
 Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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CLL	e	PKPab	Z	00:41:01.7	158.6	21.4
CLZ	e	PKPdf	Z	00:40:29.6	158.6	14.9
	e	PKPab	Z	00:41:03.6		
MOX	e	PKPab	Z	00:41:06.7	159.5	18.8
WERD	e	PKPdf	Z	00:40:29.8	159.6	20.6
GUNZ	e	PKPdf	Z	00:40:29.8	159.6	20.7
	e	PKPab	Z	00:41:07.6		
WERN	e	PKPab	Z	00:41:07.5	159.7	20.9
ROTZ	e	PKPdf	Z	00:40:31.2	160.2	21.0
TNS	e	PKPab	Z	00:41:11.0	160.5	11.3
GRA1	e	PKPab	Z	00:41:11.7	160.5	18.6
WET	e	PKPab	Z	00:41:11.7	160.6	23.3
GEC2	e	PKPab	Z	00:41:11.7	160.7	25.7
WLF	e	PKPdf	Z	00:40:32.5	161.2	5.5
FUR	e	PKPab	Z	00:41:17.7	161.9	20.3
RJOB	e	PKPdf	Z	00:40:34.3	161.9	24.8
	e	PKPab	Z	00:41:17.9		
BFO	e	PKPab	Z	00:41:17.9	162.3	12.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/10	05:16:22.5	19.670S	171.170E	33.0N				SZGRF

Vanuatu Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERD	e	PKPbc	Z	05:35:55.0	145.0	36.3			
GUNZ	e	PKPbc	Z	05:35:55.6	145.0	36.4			
WERN	e	PKPbc	Z	05:35:55.0	145.1	36.5			
UBBA	e	PKPbc	Z	05:35:56.5	145.5	32.4			
ROTZ	e	PKPbc	Z	05:35:57.1	145.6	36.7			
GEC2	e	PKPbc	Z	05:35:57.1	145.7	39.8			
WET	e	PKPbc	Z	05:35:58.1	145.8	38.3			
GRA1	e	PKPbc	Z	05:35:59.0	146.0	35.3			
TNS	e	PKPbc	Z	05:36:00.1	146.5	30.5			
RJOB	e	PKPbc	Z	05:36:01.4	146.9	39.5			
BFO	e	PKPbc	Z	05:36:04.9	148.2	31.8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/10	10:11:30.1	32.300S	179.600E	271.0				NEIC

South of Kermadec Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e	PKPab	Z	10:31:30.6	158.6	32.5			
	e	PP	Z	10:35:05.8					
BRG	e	PKPab	Z	10:31:31.0	158.6	35.1			
FBE	e	PKPab	Z	10:31:32.0	158.8	33.8			

	e PP	Z	10:35:06.6		
CLZ	e PKPab	Z	10:31:31.8	158.9	26.1
	e PP	Z	10:35:12.3		
NEUB	e PKPab	Z	10:31:33.3	159.1	30.0
IBBN	e PKPab	Z	10:31:32.7	159.1	19.7
WERD	e PKPab	Z	10:31:35.4	159.6	32.2
MOX	e PKPab	Z	10:31:35.8	159.6	30.4
	e PP	Z	10:35:14.7		
GUNZ	e PKPab	Z	10:31:35.7	159.6	32.4
WERN	e PKPab	Z	10:31:35.9	159.7	32.6
UBBA	e PKPab	Z	10:31:36.2	160.0	26.4
MANZ	e PKPab	Z	10:31:37.6	160.0	32.4
BUG	e PP	Z	10:35:21.5	160.1	19.3
ROTZ	e PKPab	Z	10:31:38.5	160.2	33.0
GEC2	e PKPab	Z	10:31:38.1	160.4	37.8
WET	e PKPab	Z	10:31:37.4	160.4	35.5
	e PP	Z	10:35:15.5		
GRA1	e PKPab	Z	10:31:39.9	160.6	30.8
	e PP	Z	10:35:16.8		
GRFO	e PP	Z	10:35:17.9	160.6	30.8
TNS	e PP	Z	10:35:26.8	160.9	23.4
RJOB	e PKPab	Z	10:31:44.0	161.6	37.7
BFO	e PKPab	Z	10:31:46.8	162.7	25.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/10	11:47: 4.1	46.410N	152.080E	33.0N	5.4	4.8		SZGRF
Kuril Islands, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	11:58:34.7	73.2	28.3	0.9	116	5.9		
BSEG	e P	Z	11:58:42.1	74.5	26.3	1.0	32	5.3		
RUE	e P	Z	11:58:43.6	74.9	28.4	1.1	70	5.6		
CLL	e P	Z	11:58:50.5	76.1	27.7	0.8	51	5.7		
BRG	e P	Z	11:58:51.3	76.2	28.3	1.2	25	5.2		
FBE	e P	Z	11:58:52.2	76.4	27.9	0.9	32	5.4		
CLZ	e P	Z	11:58:52.6	76.4	26.1	1.1	53	5.6		
IBBN	e P	Z	11:58:53.8	76.7	24.4	1.1	45	5.5		
WERD	e P	Z	11:58:56.4	77.1	27.2	1.6	37	5.3		
MOX	e P	Z	11:58:56.3	77.1	26.8	1.1	31	5.3		
GUNZ	e P	Z	11:58:56.9	77.2	27.2	1.1	26	5.3		
WERN	e P	Z	11:58:57.2	77.2	27.2	1.0	26	5.3		
UBBA	e P	Z	11:58:57.8	77.4	25.7	1.6	37	5.3		
MANZ	e P	Z	11:58:58.9	77.6	27.0	1.2	27	5.2		
BUG	e P	Z	11:58:58.8	77.6	24.0	1.4	55	5.5		
ROTZ	e P	Z	11:59:00.2	77.7	27.0	1.0	23	5.3		
GRA1	e P	Z	11:59:02.2	78.1	26.4	1.1	58	5.6		
	e S	T	12:08:57.5							

	e L	Z	12:36:35.4			19.2	480	4.8
WET	e P	Z	11:59:02.3	78.1	27.4	1.1	31	5.4
GEC2	e P	Z	11:59:01.9	78.1	27.9	1.3	17	5.0
TNS	e P	Z	11:59:03.6	78.4	24.7	1.0	34	5.3
RJOB	e P	Z	11:59:09.5	79.4	27.2	1.0	31	5.2
FUR	e P	Z	11:59:10.1	79.4	26.3	1.1	55	5.4
WLF	e P	Z	11:59:10.7	79.5	23.1	1.5	47	5.2
STU	e P	Z	11:59:09.9	79.5	25.0	1.0	37	5.2
BFO	e P	Z	11:59:12.9	80.1	24.4	1.0	36	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/10	13:31:22.6	51.280N	178.700E	33.0N	5.1			SZGRF
Rat Islands, Aleutian Islands, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:42:59.9	74.3	7.5					
IBBN	e P	Z 13:43:09.6	76.1	5.8	0.5	35	5.7		
CLZ	e P	Z 13:43:11.8	76.4	7.5	0.8	21	5.3		
CLL	e P	Z 13:43:12.5	76.7	9.1	0.6	11	5.2		
BUG	e P	Z 13:43:14.5	77.0	5.5	0.7	20	5.4		
BRG	e P	Z 13:43:14.6	77.0	9.7	0.7	8	5.0		
UBBA	e P	Z 13:43:16.7	77.5	7.2	1.6	26	5.1		
MOX	e P	Z 13:43:17.3	77.5	8.2	0.6	11	5.2		
MANZ	e P	Z 13:43:20.5	78.1	8.5	0.9	7	4.8		
TNS	e P	Z 13:43:21.1	78.2	6.2	0.8	14	5.1		
ROTZ	e P	Z 13:43:22.2	78.3	8.6	0.9	8	4.7		
GRA1	e P	Z 13:43:23.3	78.5	8.0	0.7	24	5.3		
WET	e P	Z 13:43:24.9	78.8	9.0	0.9	6	4.6		
WLF	e P	Z 13:43:25.2	78.9	4.7	0.7	12	5.0		
GEC2	e P	Z 13:43:26.1	79.1	9.5	0.6	7	4.8		
BFO	e P	Z 13:43:31.0	80.0	6.1	0.8	10	4.8		
RJOB	e P	Z 13:43:32.6	80.2	8.9	0.7	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/10	17:20:40.1	37.205N	24.762W	15.8	4.6			SZGRF
Azores Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 17:26:07.0	25.4	252.4	0.8	50	5.3		
BFO	e P	Z 17:26:15.9	26.5	257.5	1.3	23	4.8		
TNS	e P	Z 17:26:21.8	27.0	254.0	1.6	38	4.9		
STU	e P	Z 17:26:22.2	27.1	257.5	0.6	18	5.0		
IBBN	e P	Z 17:26:23.3	27.2	249.3	0.9	17	4.8		
UBBA	e P	Z 17:26:31.5	28.1	254.6	1.1	6	4.4		
GRA1	e P	Z 17:26:35.9	28.6	257.9	0.7	16	5.0		

	e pP	Z	17:26:40.0						
CLZ	e P	Z	17:26:36.2	28.6	253.2	1.4	13	4.6	
MOX	e P	Z	17:26:39.9	29.1	256.6	1.0	6	4.4	
MANZ	e P	Z	17:26:41.0	29.2	258.3	1.0	4	4.3	
ROTZ	e P	Z	17:26:41.0	29.2	258.8	1.2	6	4.3	
WET	e P	Z	17:26:43.7	29.6	260.5	1.2	6	4.3	
GEC2	e P	Z	17:26:48.3	30.0	261.8	1.0	3	4.1	
CLL	e P	Z	17:26:48.0	30.1	256.9	0.8	3	4.2	
BRG	e P	Z	17:26:53.2	30.5	258.6	0.9	5	4.4	

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/10

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKP	Z 17:50:12.7							
CLL	e PKP	Z 17:50:11.4							
GEC2	e PKP	Z 17:50:10.5							
GRA1	e PKP	Z 17:50:10.3							
GUNZ	e PKP	Z 17:50:07.3							
MOX	e PKP	Z 17:50:10.2							
NEUB	e PKP	Z 17:50:08.6							
ROTZ	e PKP	Z 17:50:09.0							
WERD	e PKP	Z 17:50:06.7							
WERN	e PKP	Z 17:50:07.4							

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/10 20:42:16.7 23.730S 176.320W 33.0N SZGRF
South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 21:02:07.4	151.5	18.1					
BRG	e PKPbc	Z 21:02:08.0	151.7	20.1					
FBE	e PKPbc	Z 21:02:08.5	151.8	19.0					
MOX	e PKPbc	Z 21:02:09.2	152.4	15.8					
WERD	e PKPbc	Z 21:02:10.0	152.5	17.3					
GUNZ	e PKPbc	Z 21:02:10.2	152.5	17.4					
MANZ	e PKPbc	Z 21:02:11.1	152.9	17.1					
ROTZ	e PKPbc	Z 21:02:11.5	153.1	17.5					
GRA1	e PKPbc	Z 21:02:12.0	153.4	15.6					
	e PP	Z 21:05:55.5							
GEC2	e PKPbc	Z 21:02:12.4	153.7	21.1					

Date Origin Time Lat Long Depth mb Ms ML Source

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2007/08/10 21:52:45.3 31.112N 131.343E 33.0N 4.5 4.9 SZGRF
Kyushu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:05:09.3	83.3	48.2	1.3	4	4.5		
	e L	Z 22:46:29.2			18.2	492		4.9	

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/10 23:43:43.1 18.560S 178.730W 500.0
Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 00:02:18.9	143.9	14.7					
IBBN	e PKPbc	Z 00:02:25.5	145.9	11.0					
CLZ	e PKPbc	Z 00:02:25.5	146.0	15.5					
CLL	e PKPbc	Z 00:02:25.3	146.0	20.1					
MOX	e PKPbc	Z 00:02:27.4	146.9	18.2					
MANZ	e PKPbc	Z 00:02:29.9	147.4	19.3					
ROTZ	e PKPbc	Z 00:02:30.6	147.6	19.6					
TNS	e PKPbc	Z 00:02:31.1	147.8	12.9					
GRA1	e PKPbc	Z 00:02:31.6	147.9	17.9					
	e PKPab	Z 00:02:35.0							
WET	e PKPbc	Z 00:02:31.6	148.0	21.1					
	e PKPab	Z 00:02:35.6							
GEC2	e PKPbc	Z 00:02:31.7	148.1	22.7					
	e PKPab	Z 00:02:36.0							
WLF	e PKPbc	Z 00:02:33.7	148.6	8.9					
STU	e PKPbc	Z 00:02:34.5	149.1	14.7					
FUR	e PKPbc	Z 00:02:35.1	149.3	18.8					
	e PKPab	Z 00:02:41.5							
RJOB	e PKPbc	Z 00:02:34.9	149.3	21.8					
	e PKPab	Z 00:02:41.2							
BFO	e PKPbc	Z 00:02:35.4	149.7	13.3					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/11 00:26:51.7 31.100S 177.100W 8.0
Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPab	Z 00:47:31.3	158.6	26.7					
FBE	e PKPab	Z 00:47:32.2	158.7	25.3					
MOX	e PKPab	Z 00:47:35.0	159.4	21.6					
WERD	e PKPab	Z 00:47:35.3	159.4	23.5					
GUNZ	e PKPab	Z 00:47:35.4	159.5	23.6					
WERN	e PKPab	Z 00:47:36.3	159.6	23.8					

ROTZ	e	PKPab	Z	00:47:37.9	160.1	24.0
GRA1	e	PKPab	Z	00:47:39.6	160.4	21.7
WET	e	PKPab	Z	00:47:39.4	160.4	26.3
FUR	e	PKPab	Z	00:47:45.7	161.8	23.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	06:33:4.3	4.310S	11.430W	18.3		4.3		SZGRF

North of Ascension Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 06:42:36.5	55.4	204.2					
FUR	e pP	Z 06:42:46.8	56.1	207.6					
TNS	e P	Z 06:42:48.1	57.2	203.8					
	e pP	Z 06:42:53.7							
GRA1	e P	Z 06:42:50.3	57.5	207.1					
	e pP	Z 06:42:55.6							
	e L	Z 07:07:16.8			21.1	280		4.3	
WET	e P	Z 06:42:51.6	57.5	209.1					
	e PP	Z 06:44:58.2							
GEC2	e P	Z 06:42:51.6	57.5	210.1					
	e pP	Z 06:42:56.2							
	e PP	Z 06:44:58.7							
ROTZ	e P	Z 06:42:52.7	57.8	208.2					
	e pP	Z 06:42:58.5							
MANZ	e P	Z 06:42:55.1	58.0	208.0					
	e pP	Z 06:42:59.7							
MOX	e P	Z 06:42:58.2	58.4	207.3					
	e pP	Z 06:43:02.6							
IBBN	e PP	Z 06:45:11.1	58.9	202.5					
CLZ	e P	Z 06:43:02.7	59.1	205.6					
	e pP	Z 06:43:07.8							
	e PP	Z 06:45:14.0							
BRG	e P	Z 06:43:04.5	59.3	209.8					
BSEG	e P	Z 06:43:16.5	61.0	205.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	07:03:39.3	6.010S	13.894W	20.2	4.2			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:13:43.5	59.8	209.2	1.1	3	4.2		
	e pP	Z 07:13:49.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:26:25.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	13:00:21.7	50.380N	31.690W	21.3	4.7	4.2		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 13:05:36.5	24.1	286.3	1.4	30	4.6		
BUG	e P	Z 13:05:40.2	24.3	283.0	1.5	72	5.0		
IBBN	e P	Z 13:05:41.3	24.4	281.4	1.6	115	5.3		
TNS	e P	Z 13:05:49.7	25.3	286.0	1.9	41	4.8		
BFO	e P	Z 13:05:54.2	25.8	289.8	1.0	20	4.7		
CLZ	e P	Z 13:05:56.8	26.1	283.6	1.5	58	5.0		
UBBA	e P	Z 13:05:57.2	26.1	285.5	1.5	16	4.4		
STU	e P	Z 13:05:58.3	26.2	289.2	0.8	21	4.8		
MOX	e P	Z 13:06:05.9	27.1	286.5	1.0	8	4.4		
GRA1	e P	Z 13:06:06.3	27.2	288.1	1.0	17	4.8		
	e pP	Z 13:06:11.7							
	e L	Z 13:15:40.4			19.3	594		4.2	
MANZ	e P	Z 13:06:10.2	27.6	287.9	1.3	8	4.4		
FUR	e P	Z 13:06:10.9	27.7	290.9	1.0	29	5.1		
ROTZ	e P	Z 13:06:11.8	27.8	288.4	1.3	15	4.7		
CLL	e P	Z 13:06:11.2	27.8	285.9	1.2	18	4.8		
WET	e P	Z 13:06:16.6	28.4	289.7					
BRG	e P	Z 13:06:17.2	28.5	287.1	1.4	17	4.7		
RJOB	e P	Z 13:06:21.2	28.8	292.1	1.1	8	4.4		
GEC2	e P	Z 13:06:22.8	29.0	290.5	1.2	14	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	14:35:51.1	27.160N	88.270E	33.0N	5.1	4.4		SZGRF
Sikkim, India								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 14:45:52.9	59.6	83.2	0.9	12	4.9		
GEC2	e P	Z 14:45:55.8	60.0	81.9	0.8	16	5.1		
WET	e P	Z 14:45:59.2	60.5	81.5	0.8	14	4.9		
RJOB	e P	Z 14:46:01.3	60.8	80.6	1.0	11	4.7		
ROTZ	e P	Z 14:46:02.1	60.9	81.4	1.0	20	4.9		
MANZ	e P	Z 14:46:02.2	60.9	81.4	1.4	21	4.8		
MOX	e P	Z 14:46:03.1	61.1	81.4	0.9	11	4.7		
BSEG	e P	Z 14:46:05.6	61.4	82.2	0.9	33	5.6		

GRA1	e P	Z	14:46:06.5	61.5	80.6	1.1	15	5.1	
	e L	Z	15:15:11.7			18.4	238		4.4
CLZ	e P	Z	14:46:07.2	61.7	81.2	0.8	32	5.6	
FUR	e P	Z	14:46:07.5	61.7	79.8	0.9	26	5.4	
UBBA	e P	Z	14:46:09.6	62.1	80.3	1.1	7	4.8	
STU	e P	Z	14:46:15.6	63.0	78.7	0.8	20	5.3	
TNS	e P	Z	14:46:17.1	63.2	78.9	0.8	18	5.2	
IBBN	e P	Z	14:46:17.4	63.2	79.5	0.8	26	5.4	
BFO	e P	Z	14:46:19.7	63.6	77.9	1.0	6	4.8	
BUG	e P	Z	14:46:20.3	63.7	78.7	0.8	24	5.5	
WLF	e P	Z	14:46:27.9	64.7	77.1	1.0	36	5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	16:48:34.4	30.577N	131.641E	37.8	4.8			SZGRF

Kyushu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:01:01.4	83.9	48.3	0.9	6	4.8		
	e pP	Z 17:01:12.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	18:04:54.0	22.630S	179.350W	621.7				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 18:23:30.3	147.9	16.9					
CLL	e PKPbc	Z 18:23:35.0	149.8	23.1					
IBBN	e PKPdf	Z 18:23:29.8	149.8	13.1					
	e PKPbc	Z 18:23:35.1							
CLZ	e PKPdf	Z 18:23:29.7	149.8	18.1					
	e PKPbc	Z 18:23:35.5							
BRG	e PKPdf	Z 18:23:29.9	149.9	25.1					
	e PKPbc	Z 18:23:35.5							
	e PKPab	Z 18:23:43.0							
MOX	e PKPdf	Z 18:23:30.7	150.7	21.0					
	e PKPbc	Z 18:23:36.9							
	e PKPab	Z 18:23:46.3							
BUG	e PKPdf	Z 18:23:30.8	150.7	12.6					
	e PKPbc	Z 18:23:36.9							
UBBA	e PKPdf	Z 18:23:31.0	150.9	18.0					
	e PKPbc	Z 18:23:37.2							
MANZ	e PKPdf	Z 18:23:31.8	151.2	22.4					
	e PKPbc	Z 18:23:38.4							
	e PKPab	Z 18:23:48.4							
	e pPKPbc	Z 18:26:00.3							

ROTZ	e PKPdf	Z	18:23:31.9	151.4	22.7
	e PKPbc	Z	18:23:38.8		
	e pPKPbc	Z	18:26:00.8		
GRA1	e PKPdf	Z	18:23:32.8	151.7	20.9
	e PKPbc	Z	18:23:39.7		
	e PKPab	Z	18:23:51.2		
TNS	e PKPdf	Z	18:23:32.8	151.7	15.3
	e PKPbc	Z	18:23:39.5		
	e PKPab	Z	18:23:50.4		
WET	e PKPdf	Z	18:23:32.3	151.8	24.4
	e PKPbc	Z	18:23:39.5		
	e PKPab	Z	18:23:51.1		
GEC2	e pPKPbc	Z	18:26:01.5	151.8	26.2
	e PKPdf	Z	18:23:32.4		
	e PKPbc	Z	18:23:39.6		
WLF	e PKPab	Z	18:23:51.2	152.6	11.1
	e pPKPbc	Z	18:26:01.5		
	e PKPdf	Z	18:23:34.2		
STU	e PKPbc	Z	18:23:41.8	153.0	17.6
	e PKPab	Z	18:23:55.0		
	e PKPdf	Z	18:23:34.8		
RJOB	e PKPbc	Z	18:23:42.4	153.1	25.4
	e pPKPbc	Z	18:26:04.0		
	e PKPdf	Z	18:23:34.3		
FUR	e PKPbc	Z	18:23:42.2	153.1	22.1
	e PKPab	Z	18:23:57.2		
	e PKPdf	Z	18:23:34.6		
BFO	e PKPbc	Z	18:23:42.3	153.6	16.1
	e PKPab	Z	18:23:56.8		
	e pPKPbc	Z	18:26:04.3		
	e PKPdf	Z	18:23:34.8	153.6	16.1
	e PKPbc	Z	18:23:43.3		
	e PKPab	Z	18:23:58.1		
	e pPKPbc	Z	18:26:05.4		

Date 2007/08/11
 Origin Time 20:45:38.7
 Morocco

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	20:50:15.1	20.5	216.5	1.0	13	4.2		
WLF	e P	Z	20:50:17.6	20.8	209.7	0.8	25	4.6		
STU	e P	Z	20:50:23.6	21.2	217.6	0.9	28	4.6		
RJOB	e P	Z	20:50:30.8	22.0	226.6	0.6	16	4.6		
TNS	e P	Z	20:50:31.0	22.1	213.9	1.2	23	4.5		
BUG	e P	Z	20:50:37.5	22.7	209.9	1.1	49	4.9		
GRA1	e P	Z	20:50:39.6	22.8	220.3	1.0	37	4.9		

	e L	Z	20:58:16.1			19.4	133		3.4
WET	e P	Z	20:50:42.0	23.1	224.3	1.1	21	4.6	
UBBA	e P	Z	20:50:42.7	23.2	216.3	0.9	6	4.2	
ROTZ	e P	Z	20:50:43.6	23.2	222.1	1.1	21	4.6	
GEC2	e P	Z	20:50:43.1	23.2	226.3	1.0	23	4.7	
MANZ	e P	Z	20:50:44.7	23.4	221.5	0.9	10	4.4	
IBBN	e P	Z	20:50:48.6	23.6	209.9	1.0	29	4.8	
MOX	e P	Z	20:50:49.2	23.6	219.6	0.7	5	4.1	
CLZ	e P	Z	20:50:51.8	24.1	215.6	1.0	16	4.5	
CLL	e P	Z	20:50:58.0	24.7	221.2	0.8	10	4.6	
BRG	e P	Z	20:50:58.4	24.8	223.5	1.1	18	4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/11	22:03:34.9	20.970S	170.660E	33.0N				SZGRF
Vanuatu Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	22:23:07.4	145.0	40.0					
CLL	e PKPbc	Z	22:23:07.5	145.0	38.2					
CLZ	e PKPbc	Z	22:23:09.4	145.5	33.8					
WERD	e PKPbc	Z	22:23:10.9	146.0	38.0					
IBBN	e PKPbc	Z	22:23:10.6	146.0	29.4					
GUNZ	e PKPbc	Z	22:23:11.3	146.0	38.1					
WERN	e PKPbc	Z	22:23:11.5	146.1	38.2					
MOX	e PKPbc	Z	22:23:11.3	146.1	36.7					
UBBA	e PKPbc	Z	22:23:12.4	146.5	34.1					
ROTZ	e PKPbc	Z	22:23:12.1	146.5	38.5					
GEC2	e PKPbc	Z	22:23:12.2	146.6	41.6					
GRA1	e PKPbc	Z	22:23:14.2	147.0	37.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/12	01:52:13.4	42.756N	13.372E	10.0G			3.9	SZGRF
Central Italy								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RJOB	e Pn	Z	01:53:28.5	5.0	175.1					3.9
	e Sn	N	01:54:26.1							
FUR	e Pn	Z	01:53:37.4	5.6	164.0					
	e Sn	N	01:54:51.2	6.1	182.3					
WET	e Pn	Z	01:53:46.1	6.4	176.7					
	e Sn	E	01:54:56.4							
BFO	e Pn	Z	01:53:48.7	6.6	145.8					
GRA1	e Sn	Z	01:55:12.7	7.1	167.1					
MOX	e Sn	E	01:55:34.3	8.0	170.7					

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BRG	e Pn	Z	01:54:09.5	8.1	183.0
	e Sn	Z	01:55:38.7		
WLF	e Pn	Z	01:54:16.9	8.5	141.5
CLL	e Pn	Z	01:54:16.2	8.6	178.2
	e Sn	N	01:55:48.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/12	07:47:3.0	39.312N	3.610W	10.0G	3.9	3.7		SZGRF

Spain

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 07:49:57.1	12.5	217.5	1.0	19			
STU	e P	Z 07:50:10.6	13.2	228.8					
TNS	e P	Z 07:50:16.6	13.8	222.5					
FUR	e P	Z 07:50:18.3	13.9	235.9					
BUG	e P	Z 07:50:22.8	14.3	216.2					
RJOB	e P	Z 07:50:26.9	14.5	240.6					
GRA1	e P	Z 07:50:32.9	14.8	231.0					
	e L	Z 07:55:55.9			19.7	575		3.7	
UBBA	e P	Z 07:50:34.7	14.9	224.9					
WET	e P	Z 07:50:36.2	15.3	236.3					
ROTZ	e P	Z 07:50:37.7	15.3	233.0	1.4	25			
MANZ	e P	Z 07:50:38.9	15.4	232.1	1.7	54			
MOX	e P	Z 07:50:40.9	15.6	229.2	1.0	3	3.4		
GEC2	e P	Z 07:50:39.6	15.6	238.8	1.4	8	3.7		
WERN	e P	Z 07:50:43.6	15.7	231.9	1.9	44	4.3		
GUNZ	e P	Z 07:50:43.1	15.7	231.5	1.1	9	3.8		
WERD	e P	Z 07:50:44.3	15.8	231.3	1.4	11	3.8		
CLZ	e P	Z 07:50:45.7	15.8	223.2	1.7	26	4.1		
CLL	e P	Z 07:50:56.3	16.7	230.5	1.2	11	3.8		
BRG	e P	Z 07:50:57.3	16.9	233.5	1.7	24	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/12	08:01:32.3	5.010S	11.200W	23.2	4.6	4.4		SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 08:11:08.8	56.0	203.7	1.4	9	4.6		
	e PP	Z 08:13:12.9							
FUR	e P	Z 08:11:13.9	56.7	207.1	1.0	15	5.0		
WLF	e P	Z 08:11:13.6	56.7	200.8	1.4	12	4.7		
RJOB	e P	Z 08:11:13.9	56.8	209.0	0.7	3	4.5		
	e PP	Z 08:13:21.1							
TNS	e P	Z 08:11:21.3	57.8	203.3	1.0	6	4.6		
	e pP	Z 08:11:27.4							

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GRA1	e P	Z	08:11:22.7	58.1	206.6	0.9		4	4.4
	e pP	Z	08:11:29.1						
	e PP	Z	08:13:31.1						
	e L	Z	08:38:22.0			21.0	293		4.4
WET	e P	Z	08:11:23.5	58.1	208.6	1.3	8	4.6	
GEC2	e P	Z	08:11:23.5	58.1	209.6	1.1	8	4.7	
	e PP	Z	08:13:32.8						
ROTZ	e P	Z	08:11:25.9	58.4	207.7	1.3	8	4.6	
MANZ	e P	Z	08:11:26.0	58.6	207.5	1.2	6	4.5	
	e pP	Z	08:11:32.8						
MOX	e P	Z	08:11:29.6	59.0	206.8	1.5	12	4.7	
CLZ	e P	Z	08:11:35.1	59.8	205.1	1.2	4	4.4	
BSEG	e P	Z	08:11:47.5	61.6	204.5	1.0	6	4.4	

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/12 09:55:49.4 1.000N 123.900E 272.0
 Minahassa Peninsula, Sulawesi, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 10:13:42.4	103.7	71.7					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/12 11:20:42.9 39.299N 20.233E 1.0G
 Greece-Albania border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z 11:23:21.0	11.2	149.2					
ROTZ	e P	Z 11:23:31.4	11.9	148.4					
MANZ	e P	Z 11:23:33.8	12.1	148.6					
GRA1	e P	Z 11:23:35.1	12.2	145.0					
	e L	Z 11:28:18.0			19.4	277		3.3	
STU	e P	Z 11:23:38.0	12.3	136.1					
BRG	e P	Z 11:23:38.8	12.4	156.7					
BFO	e P	Z 11:23:38.9	12.4	132.2					
WERD	e P	Z 11:23:41.2	12.5	150.4					
MOX	e P	Z 11:23:44.5	12.9	148.6					
CLL	e P	Z 11:23:46.2	13.0	154.4					
TNS	e P	Z 11:23:56.5	13.7	138.2					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/12 12:05:18.2 11.570S 165.740E 33.0
 Santa Cruz Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	12:24:31.4	133.4	34.1					
	e PP	Z	12:26:59.3							
	e SKPdf	Z	12:28:02.0							
BRG	e PKPdf	Z	12:24:33.4	134.5	40.4					
	e PP	Z	12:27:05.8							
CLL	e PKPdf	Z	12:24:33.3	134.5	39.0					
	e SKPdf	Z	12:28:06.8							
CLZ	e PKPdf	Z	12:24:34.9	135.1	35.3					
	e PP	Z	12:27:10.7							
WERD	e PP	Z	12:27:12.2	135.4	38.6					
GUNZ	e PP	Z	12:27:13.4	135.5	38.7					
IBBN	e PKPdf	Z	12:24:34.9	135.6	31.6					
	e PP	Z	12:27:14.1							
	e SKPdf	Z	12:28:08.8							
MOX	e PKPdf	Z	12:24:35.0	135.6	37.6					
MANZ	e PKPdf	Z	12:24:35.8	135.9	38.7					
ROTZ	e PKPdf	Z	12:24:36.1	136.0	39.0					
	e PP	Z	12:27:16.0							
UBBA	e PKPdf	Z	12:24:35.8	136.0	35.4					
	e PP	Z	12:27:16.1							
GEC2	e PKPdf	Z	12:24:36.2	136.1	41.5					
WET	e PKPdf	Z	12:24:36.5	136.2	40.2					
	e PP	Z	12:27:17.4							
BUG	e PKPdf	Z	12:24:37.3	136.5	31.5					
	e PP	Z	12:27:18.9							
GRA1	e PKPdf	Z	12:24:36.9	136.5	37.7					
	e PP	Z	12:27:20.6							
	e SKPdf	Z	12:28:11.2							
	e SP	N	12:37:24.7							
	e L	Z	13:28:39.2			20.3	2237		5.9	
TNS	e PKPdf	Z	12:24:38.1	137.1	33.7					
	e PP	Z	12:27:22.5							
FUR	e PKPdf	Z	12:24:39.1	137.7	38.8					
	e PP	Z	12:27:25.2							
STU	e PKPdf	Z	12:24:39.9	138.0	35.6					
WLF	e PKPdf	Z	12:24:40.8	138.3	30.9					
	e PP	Z	12:27:30.7							
	e SKPdf	Z	12:28:19.3							
BFO	e PP	Z	12:27:32.0	138.7	34.8					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/12 19:23: 4.0 35.820S 15.520W 21.9 5.0 ML SZGRF
 Tristan da Cunha region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	19:35:44.8	86.8	199.2	1.2	8	4.7		

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FUR	e P	Z	19:35:48.5	87.3	201.5	0.6	10	5.2
STU	e P	Z	19:35:48.2	87.4	199.8	0.7	9	5.0
WLF	e P	Z	19:35:49.4	87.6	197.4	1.2	16	5.0
GEC2	e P	Z	19:35:53.6	88.6	203.3	1.5	8	4.8
TNS	e P	Z	19:35:54.1	88.6	199.2	1.2	11	5.1
	e pP	Z	19:36:00.3					
WET	e P	Z	19:35:54.0	88.6	202.7	1.2	14	5.2
	e pP	Z	19:36:00.3					
GRA1	e P	Z	19:35:54.7	88.7	201.4	1.1	28	5.5
	e pP	Z	19:36:01.2					
ROTZ	e P	Z	19:35:56.0	89.0	202.2	1.1	12	5.0
	e pP	Z	19:36:02.4					
MANZ	e P	Z	19:35:56.7	89.2	202.1	1.1	9	4.9
UBBA	e P	Z	19:35:58.7	89.5	200.4	1.7	15	5.0
BUG	e P	Z	19:35:57.9	89.5	198.3	1.1	10	5.0
	e pP	Z	19:36:04.6					
WERN	e P	Z	19:35:58.5	89.6	202.3	1.0	10	5.0
GUNZ	e P	Z	19:35:58.8	89.6	202.3	1.1	12	5.0
WERD	e P	Z	19:35:58.9	89.7	202.2	1.1	9	4.9
MOX	e P	Z	19:35:58.9	89.7	201.7	1.2	6	4.7
	e pP	Z	19:36:05.1					
FBE	e P	Z	19:36:02.6	90.4	203.1	1.0	10	5.0
BRG	e P	Z	19:36:03.0	90.5	203.5	1.2	6	4.7
	e pP	Z	19:36:09.4					
CLZ	e P	Z	19:36:03.4	90.5	200.7	1.7	13	4.9
CLL	e P	Z	19:36:03.5	90.7	202.8	1.1	8	4.9
	e pP	Z	19:36:10.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/12	21:33:53.8	25.010S	162.850E	33.0N				SZGRF
New Caledonia region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	21:53:27.0	145.1	52.7					
FBE	e PKPbc	Z	21:53:26.4	145.1	53.6					
WERD	e PKPbc	Z	21:53:28.8	145.9	52.7					
WERN	e PKPbc	Z	21:53:30.2	146.0	53.0					
GEC2	e PKPbc	Z	21:53:30.4	146.1	56.5					
MOX	e PKPbc	Z	21:53:29.6	146.2	51.6					
ROTZ	e PKPbc	Z	21:53:31.3	146.4	53.4					
WET	e PKPbc	Z	21:53:30.2	146.4	55.1					
GRA1	e PKPbc	Z	21:53:32.9	147.0	52.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	10:11:12.8	30.300S	177.500W	10.0	5.2			NEIC

Kermadec Islands, New Zealand

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:31:48.5	159.5	22.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	10:27:25.1	60.500S	153.800E	26.0		5.8		NEIC

West of Macquarie Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:47:23.3	156.4	131.5					
	e PP	Z 10:51:34.2							
	e SS	N 11:11:16.4							
	e L	Z 12:06:16.3			21.8	1444		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	19:12:55.6	21.680S	179.190E	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 19:32:38.3	148.5	25.1					
BRG	e PKPbc	Z 19:32:39.1	148.6	27.0					
FBE	e PKPbc	Z 19:32:39.7	148.7	26.0					
NEUB	e PKPbc	Z 19:32:40.3	148.9	23.1					
WERD	e PKPbc	Z 19:32:40.3	149.4	24.5					
WERN	e PKPbc	Z 19:32:42.0	149.6	24.7					
MANZ	e PKPbc	Z 19:32:42.4	149.9	24.5					
ROTZ	e PKPbc	Z 19:32:42.9	150.1	24.8					
GRA1	e PKPbc	Z 19:32:43.8	150.4	23.1					
WET	e PKPbc	Z 19:32:44.2	150.5	26.5					
GEC2	e PKPbc	Z 19:32:43.8	150.5	28.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	20:22:17.1	30.603S	13.508W	35.4	4.8			SZGRF

Southern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 20:34:30.4	81.3	198.9	1.1	8	4.6		
RJOB	e P	Z 20:34:32.5	81.8	202.7	0.9	4	4.4		
WLF	e P	Z 20:34:36.1	82.2	197.0	1.1	10	4.8		
TNS	e P	Z 20:34:41.3	83.1	198.9	1.9	22	5.0		
WET	e P	Z 20:34:40.6	83.1	202.7	1.1	9	4.8		
GRA1	e P	Z 20:34:40.4	83.3	201.3	1.1	14	5.0		

	e pP	Z	20:34:50.6						
ROTZ	e P	Z	20:34:42.3	83.6	202.1	1.1	8	4.7	
MANZ	e P	Z	20:34:43.3	83.7	202.0	1.4	9	4.7	
WERN	e P	Z	20:34:46.1	84.1	202.2	1.5	8	4.7	
GUNZ	e P	Z	20:34:45.0	84.1	202.2	0.9	3	4.6	
WERD	e P	Z	20:34:46.5	84.2	202.1	1.2	6	4.7	
FBE	e P	Z	20:34:49.8	84.9	203.0	1.4	14	5.0	
BRG	e P	Z	20:34:50.7	85.0	203.5	0.9	4	4.6	
CLZ	e P	Z	20:34:50.2	85.1	200.5	0.7	3	4.5	
CLL	e P	Z	20:34:50.7	85.2	202.7	1.4	10	4.9	
RUE	e P	Z	20:34:58.2	86.4	203.3	1.0	14	5.1	
BSEG	e P	Z	20:35:00.1	87.0	200.4	1.1	8	4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	21:38:23.2	17.500S	178.640W	33.0G				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	21:57:03.1	144.9	15.1					
CLL	e PKPbc	Z	21:57:02.6	144.9	19.6					
BRG	e PKPbc	Z	21:57:02.9	145.1	21.3					
MOX	e PKPbc	Z	21:57:05.9	145.9	17.6					
MANZ	e PKPbc	Z	21:57:06.6	146.4	18.7					
ROTZ	e PKPbc	Z	21:57:07.9	146.6	19.0					
TNS	e PKPbc	Z	21:57:08.3	146.8	12.4					
	e PKPab	Z	21:57:11.5							
GRA1	e PKPbc	Z	21:57:08.9	146.8	17.4					
	e PKPab	Z	21:57:11.6							
WET	e PKPbc	Z	21:57:08.5	147.0	20.5					
	e PKPab	Z	21:57:12.6							
GEC2	e PKPbc	Z	21:57:09.0	147.1	22.0					
WLF	e PKPbc	Z	21:57:10.3	147.6	8.6					
	e PKPab	Z	21:57:15.1							
STU	e PKPbc	Z	21:57:11.7	148.1	14.2					
	e PKPab	Z	21:57:16.6							
FUR	e PKPbc	Z	21:57:12.6	148.3	18.2					
	e PKPab	Z	21:57:17.7							
RJOB	e PKPbc	Z	21:57:12.5	148.3	21.1					
	e PKPab	Z	21:57:18.2							
BFO	e PKPbc	Z	21:57:12.6	148.7	12.9					
	e PKPab	Z	21:57:18.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/13	22:23: 3.2	31.358S	13.752W	33.0G	5.5	4.8		SZGRF

Southern Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	22:35:20.2	82.1	198.9	1.2	25	5.1		
RJOB	e P	Z	22:35:22.6	82.6	202.6	1.1	8	4.7		
FUR	e P	Z	22:35:23.4	82.6	201.4	1.4	54	5.4		
STU	e P	Z	22:35:23.6	82.7	199.6	1.3	39	5.3		
WLF	e P	Z	22:35:25.4	82.9	197.0	1.4	48	5.4		
	e PP	Z	22:38:29.3							
GEC2	e P	Z	22:35:29.8	83.9	203.3	2.1	50	5.4		
	e PP	Z	22:38:37.2							
TNS	e P	Z	22:35:30.6	83.9	198.9	1.7	53	5.5		
	e PP	Z	22:38:39.5							
WET	e P	Z	22:35:30.0	83.9	202.6	2.2	93	5.6		
GRFO	e L	Z	23:09:47.2	84.0	201.3	21.6	497		4.8	
GRA1	e P	Z	22:35:30.8	84.0	201.3	1.4	74	5.7		
	e pP	Z	22:35:37.1							
ROTZ	e P	Z	22:35:32.4	84.3	202.1	1.4	31	5.4		
	e PP	Z	22:38:42.7							
MANZ	e P	Z	22:35:33.2	84.5	202.0	2.0	65	5.5		
	e PP	Z	22:38:44.9							
UBBA	e P	Z	22:35:35.3	84.8	200.2	2.4	93	5.6		
BUG	e P	Z	22:35:35.4	84.8	197.9	2.1	117	5.7		
MOX	e P	Z	22:35:35.8	85.0	201.5	2.2	83	5.6		
	e PP	Z	22:38:50.2							
IBBN	e P	Z	22:35:40.5	85.8	198.3	1.6	56	5.5		
BRG	e P	Z	22:35:40.0	85.8	203.5	2.0	68	5.5		
	e PP	Z	22:38:56.9							
CLZ	e P	Z	22:35:40.7	85.9	200.5	2.1	87	5.6		
	e PP	Z	22:38:56.8							
CLL	e P	Z	22:35:40.7	86.0	202.7	2.0	81	5.6		
	e PP	Z	22:38:57.3							
BSEG	e PP	Z	22:39:16.6	87.8	200.4					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/14 04:13:34.8 46.150N 141.330E 33.0N 5.3 5.4 ML SZGRF
Sakhalin Island, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	04:24:56.3	71.6	33.4	1.3	29	5.2		
RUE	e P	Z	04:24:56.2	71.7	35.4	1.1	54	5.6		
CLL	e P	Z	04:25:02.2	72.9	34.7	1.1	41	5.5		
BRG	e P	Z	04:25:02.8	72.9	35.2	1.2	16	5.0		
FBE	e P	Z	04:25:03.9	73.1	34.8	1.1	35	5.4		
CLZ	e P	Z	04:25:05.3	73.4	33.1	1.3	59	5.5		
IBBN	e P	Z	04:25:08.7	73.8	31.5	0.9	34	5.4		
WERD	e P	Z	04:25:08.2	73.8	34.1	1.4	35	5.2		
MOX	e P	Z	04:25:08.4	73.9	33.7	1.3	32	5.2		

WERN	e P	Z	04:25:09.1	74.0	34.1	1.1	24	5.1		
MANZ	e P	Z	04:25:10.7	74.3	33.9	1.2	14	4.9		
UBBA	e P	Z	04:25:10.6	74.3	32.7	1.3	23	5.1		
ROTZ	e P	Z	04:25:11.9	74.4	33.9	1.2	22	5.1		
GEC2	e P	Z	04:25:12.9	74.7	34.7	1.0	13	4.9		
WET	e P	Z	04:25:13.6	74.7	34.2	1.1	31	5.2		
BUG	e P	Z	04:25:13.1	74.7	31.1	1.4	54	5.4		
GRA1	e P	Z	04:25:14.6	74.9	33.3	1.1	51	5.5		
	e S	E	04:34:54.5							
	e L	Z	05:00:55.6			18.9	1711		5.4	
RJOB	e P	Z	04:25:21.2	75.9	34.0	1.2	29	5.3		
FUR	e P	Z	04:25:22.0	76.1	33.1	1.2	77	5.7		
STU	e P	Z	04:25:23.8	76.3	31.9	1.0	37	5.4		
BFO	e P	Z	04:25:26.2	77.0	31.3	1.1	37	5.4		

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/14 16:26: 9.3 20.980S 169.140E 40.6 mb SZGRF
 Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	16:45:41.5	145.0	36.1					
MOX	e PKPbc	Z	16:45:42.4	145.5	39.0					
	e pPKPbc	Z	16:45:54.2							
IBBN	e PKPbc	Z	16:45:42.4	145.5	31.8					
MANZ	e PKPbc	Z	16:45:43.5	145.8	40.4					
	e pPKPbc	Z	16:45:56.0							
ROTZ	e PKPbc	Z	16:45:43.9	145.9	40.8					
	e pPKPbc	Z	16:45:56.0							
GEC2	e PKPbc	Z	16:45:43.9	145.9	43.9					
	e pPKPbc	Z	16:45:55.6							
UBBA	e PKPbc	Z	16:45:43.5	146.0	36.5					
	e pPKPbc	Z	16:45:56.1							
WET	e PKPbc	Z	16:45:44.5	146.1	42.4					
GRA1	e PKPbc	Z	16:45:45.8	146.4	39.3					
BUG	e PKPbc	Z	16:45:45.1	146.4	31.7					
WLF	e PKPbc	Z	16:45:51.5	148.3	31.3					
	e pPKPbc	Z	16:46:03.3							
BFO	e PKPbc	Z	16:45:51.7	148.6	36.1					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/14 18:19:20.7 52.150N 35.960W 34.3 4.8 3.7 ML SZGRF
 Reykjanes Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e P	Z	18:24:54.7	26.3	288.7	1.1	24	4.7		

IBBN	e P	Z	18:24:55.8	26.4	287.3	0.7	30	5.1		
BSEG	e P	Z	18:25:04.1	27.4	285.4	1.1	30	5.0		
CLZ	e P	Z	18:25:10.6	28.0	289.2	1.1	32	5.1		
BFO	e P	Z	18:25:10.3	28.1	294.7	1.1	9	4.5		
UBBA	e P	Z	18:25:11.8	28.2	290.9	1.1	6	4.3		
STU	e P	Z	18:25:13.7	28.5	294.1	0.7	34	5.3		
	e pP	Z	18:25:23.2							
MOX	e P	Z	18:25:20.3	29.2	291.7	1.0	11	4.7		
GRA1	e P	Z	18:25:21.7	29.3	293.2	1.3	27	4.9		
	e pP	Z	18:25:30.9							
	e L	Z	18:35:01.6			19.7	176		3.7	
WERD	e P	Z	18:25:24.3	29.7	292.3	1.3	15	4.7		
GUNZ	e P	Z	18:25:25.0	29.7	292.5	1.2	13	4.6		
MANZ	e P	Z	18:25:25.1	29.7	293.0	1.0	6	4.4		
CLL	e P	Z	18:25:25.2	29.8	291.2	0.8	18	5.0		
RUE	e P	Z	18:25:25.7	29.8	289.6	0.7	14	4.9		
ROTZ	e P	Z	18:25:27.0	29.9	293.4	1.8	29	4.8		
FUR	e P	Z	18:25:27.8	30.0	295.6	0.8	32	5.2		
FBE	e P	Z	18:25:28.7	30.1	291.9	1.1	19	4.8		
BRG	e P	Z	18:25:31.7	30.5	292.2	0.9	11	4.8		
	e pP	Z	18:25:39.5							
WET	e P	Z	18:25:32.7	30.5	294.6	0.9	4	4.3		
RJOB	e P	Z	18:25:37.5	31.1	296.7	1.0	9	4.7		
GEC2	e P	Z	18:25:37.9	31.1	295.3	1.1	14	4.8		
	e pP	Z	18:25:47.0							

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/14 20:01:1.4 8.776S 13.953W 33.0N 4.7
 Ascension Island region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 20:11:21.8 62.5 208.3 1.0 5 4.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/14 21:50:15.2 4.100N 126.900E 68.0
 Talaud Islands, Indonesia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e Pdiff Z 22:04:07.6 103.0 67.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/15 04:16:48.3 19.160S 176.040W 33.0G
 SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	04:36:26.1	146.9	11.1					
CLL	e PKPbc	Z	04:36:27.5	147.1	15.8					
BRG	e PKPbc	Z	04:36:28.4	147.3	17.7					
MOX	e PKPbc	Z	04:36:29.7	147.9	13.7					
UBBA	e PKPbc	Z	04:36:30.0	148.0	10.8					
MANZ	e PKPbc	Z	04:36:31.8	148.5	14.8					
ROTZ	e PKPbc	Z	04:36:32.3	148.7	15.1					
GRA1	e PKPbc	Z	04:36:33.1	148.9	13.4					
WET	e PKPbc	Z	04:36:33.4	149.2	16.6					
GEC2	e PKPbc	Z	04:36:33.5	149.3	18.2					
WLF	e PKPbc	Z	04:36:34.7	149.4	4.1					
FUR	e PKPab	Z	04:36:42.5	150.4	14.1					
BFO	e PKPdf	Z	04:36:33.0	150.6	8.4					
	e PKPbc	Z	04:36:36.7							
	e PKPab	Z	04:36:44.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/15	16:51:44.8	7.300S	155.700E	42.9		4.8		NEIC

Bougainville - Solomon Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	17:10:42.2	125.7	43.9					
BRG	e PKPdf	Z	17:10:42.8	126.2	49.5					
	e pPKPdf	Z	17:10:55.6							
CLL	e PKPdf	Z	17:10:42.9	126.3	48.3					
	e pPKPdf	Z	17:10:56.2							
CLZ	e PKPdf	Z	17:10:45.1	127.2	45.1					
	e pPKPdf	Z	17:10:58.0							
MOX	e PKPdf	Z	17:10:45.1	127.4	47.1					
	e pPKPdf	Z	17:10:58.2							
MANZ	e PKPdf	Z	17:10:45.9	127.6	48.0					
	e pPKPdf	Z	17:10:58.6							
ROTZ	e PKPdf	Z	17:10:46.0	127.7	48.3					
WET	e PKPdf	Z	17:10:46.2	127.8	49.4					
	e pPKPdf	Z	17:10:59.3							
IBBN	e PKPdf	Z	17:10:46.6	127.9	41.9					
GRA1	e PKPdf	Z	17:10:46.8	128.3	47.2					
	e PP	Z	17:12:52.5							
	e L	Z	18:07:45.8			20.2	211		4.8	
BUG	e PKPdf	Z	17:10:47.6	128.8	41.8					
FUR	e PKPdf	Z	17:10:49.1	129.3	48.2					
STU	e PKPdf	Z	17:10:50.5	129.8	45.5					
BFO	e PKPdf	Z	17:10:51.3	130.6	44.8					
WLF	e PKPdf	Z	17:10:52.2	130.6	41.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/15	19:15:11.7	36.300N	140.570E	35.2	5.4	5.1		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 19:27:20.3	80.1	38.6					
BRG	e P	Z 19:27:24.9	81.0	40.9	0.9	19	5.1		
CLL	e P	Z 19:27:25.0	81.1	40.3	0.9	46	5.5		
CLZ	e P	Z 19:27:28.9	81.7	38.5	1.0	40	5.5		
MOX	e P	Z 19:27:30.9	82.2	39.2	1.1	20	5.2		
IBBN	e P	Z 19:27:31.6	82.3	36.6	1.1	59	5.7		
MANZ	e P	Z 19:27:32.6	82.5	39.5	0.9	16	5.3		
ROTZ	e P	Z 19:27:33.8	82.6	39.6	1.3	36	5.4		
WET	e P	Z 19:27:34.4	82.8	40.0	1.1	16	5.2		
GRA1	e P	Z 19:27:36.0	83.1	38.9	1.0	56	5.7		
	e pP	Z 19:27:46.2							
	e PP	Z 19:30:53.2							
	e L	Z 20:12:16.7			19.3	801		5.1	
BUG	e P	Z 19:27:35.8	83.2	36.2	1.0	16	5.2		
FUR	e P	Z 19:27:41.5	84.2	38.8	0.9	52	5.7		
STU	e P	Z 19:27:43.3	84.6	37.4	0.9	53	5.7		
WLF	e P	Z 19:27:45.9	85.1	35.3	1.2	39	5.5		
BFO	e P	Z 19:27:46.6	85.3	36.8	1.0	40	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/15	20:22:17.4	50.300N	178.780W	52.4	6.5	6.3		SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 20:33:58.4	75.5	6.0	1.0	1282	7.0		
IBBN	e P	Z 20:34:08.2	77.2	4.3	1.0	1471	7.1		
CLZ	e P	Z 20:34:10.2	77.6	6.0	0.9	784	6.8		
CLL	e P	Z 20:34:11.2	77.9	7.7	1.0	291	6.4		
BUG	e P	Z 20:34:12.6	78.1	3.9	1.4	942	6.6		
BRG	e P	Z 20:34:13.3	78.2	8.3	1.0	382	6.4		
MOX	e P	Z 20:34:15.9	78.7	6.8	1.0	379	6.4		
MANZ	e P	Z 20:34:19.2	79.3	7.1	1.1	217	6.0		
ROTZ	e P	Z 20:34:20.8	79.5	7.1	1.1	348	6.2		
GRA1	e P	Z 20:34:21.7	79.6	6.5	1.1	641	6.5		
	e pP	Z 20:34:36.6							
	e PP	Z 20:37:26.1							
	e S	R 20:44:27.2							
	e SS	R 20:49:48.1							
	e PKPPKPdf	Z 21:01:02.2							

	e L	Z	21:04:30.9			28.0	21060		6.3
WLF	e P	Z	20:34:23.1	79.9	3.2	0.9	299	6.2	
WET	e P	Z	20:34:23.7	80.1	7.5	1.2	207	5.9	
STU	e P	Z	20:34:26.6	80.7	5.2	1.2	427	6.3	
FUR	e P	Z	20:34:29.4	81.2	6.5	1.1	403	6.5	
BFO	e P	Z	20:34:29.2	81.2	4.6	1.3	473	6.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/15	23:20:30.8	35.720N	141.300E	10.7	5.3			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 23:32:46.0	80.9	38.4	1.4	42	5.3		
BRG	e P	Z 23:32:50.8	81.8	40.7	0.8	6	4.7		
CLL	e P	Z 23:32:50.9	81.9	40.1	1.2	30	5.3		
CLZ	e P	Z 23:32:54.8	82.5	38.2	1.2	25	5.3		
MOX	e P	Z 23:32:56.8	83.0	39.0	1.1	13	5.1		
IBBN	e P	Z 23:32:57.5	83.1	36.4	0.8	29	5.6		
MANZ	e P	Z 23:32:58.5	83.3	39.3	0.9	9	5.0		
ROTZ	e P	Z 23:32:59.7	83.4	39.4	1.5	37	5.4		
WET	e P	Z 23:33:00.3	83.6	39.8	1.3	14	5.1		
GRA1	e P	Z 23:33:01.9	83.9	38.7	1.3	47	5.6		
	e pP	Z 23:33:05.0							
BUG	e P	Z 23:33:02.7	84.0	35.9					
FUR	e P	Z 23:33:07.4	85.0	38.6	1.0	28	5.4		
STU	e P	Z 23:33:09.0	85.4	37.2	1.1	32	5.3		
BFO	e P	Z 23:33:12.4	86.1	36.5	1.3	31	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/15	23:40:56.8	13.400S	76.500W	30.0		8.0		NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pdiff	Z 23:54:23.0	96.6	257.2					
BUG	e Pdiff	Z 23:54:23.3	96.6	256.8					
IBBN	e Pdiff	Z 23:54:25.6	97.1	257.3					
STU	e Pdiff	Z 23:54:26.0	97.2	257.9					
HLG	e Pdiff	Z 23:54:27.9	97.6	257.6					
FUR	e Pdiff	Z 23:54:31.9	98.5	259.4					
CLZ	e Pdiff	Z 23:54:32.8	98.6	259.2					
GRA1	e Pdiff	Z 23:54:33.4	98.7	259.5					
BSEG	e Pdiff	Z 23:54:34.3	98.9	259.5					
MOX	e Pdiff	Z 23:54:35.3	99.1	260.0					
MANZ	e Pdiff	Z 23:54:36.3	99.3	260.2					
ROTZ	e Pdiff	Z 23:54:36.5	99.4	260.3					

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RJOB	e	Pdiff	Z	23:54:36.3	99.4	260.4					
WET	e	Pdiff	Z	23:54:37.7	99.7	260.7					
CLL	e	Pdiff	Z	23:54:39.7	100.1	261.1					
BRG	e	Pdiff	Z	23:54:42.1	100.6	261.8					
RUE	e	Pdiff	Z	23:54:42.5	100.8	262.0					
RGN	e	Pdiff	Z	23:54:42.9	100.8	262.0					
FUR	e	S	R	00:05:38.2	98.5	259.4					
GRA1	e	S	R	00:05:38.1	98.7	259.5					
	e	L	Z	00:40:30.9			20.9	470701		8.0	
BRG	e	S	R	00:05:48.3	100.6	261.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	01:20:44.6	11.110S	13.400W	33.0N	5.0			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 01:31:02.9	62.5	204.2	1.0	11	5.0		
FUR	e P	Z 01:31:08.3	63.2	207.3	1.0	20	5.2		
RJOB	e P	Z 01:31:08.3	63.3	209.0	1.0	7	4.8		
GRA1	e P	Z 01:31:16.7	64.5	206.9	1.2	14	5.1		
WET	e P	Z 01:31:16.8	64.5	208.8	1.1	18	5.2		
GEC2	e P	Z 01:31:17.1	64.5	209.7	1.1	8	4.9		
MANZ	e P	Z 01:31:20.8	65.0	207.8	1.2	11	5.0		
UBBA	e P	Z 01:31:21.8	65.2	205.4	1.8	28	5.2		
MOX	e P	Z 01:31:23.0	65.5	207.1	1.3	18	5.1		
CLZ	e P	Z 01:31:28.1	66.2	205.6	1.4	21	5.2		
BRG	e P	Z 01:31:29.2	66.4	209.5	1.0	5	4.7		
BSEG	e P	Z 01:31:39.3	68.1	205.2	1.0	15	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	04:03: 7.5	50.320N	178.950W	42.0	6.0			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 04:14:49.8	75.5	6.1	1.2	295	6.3		
	e pP	Z 04:15:01.8							
IBBN	e P	Z 04:14:59.6	77.2	4.4	1.5	712	6.6		
CLZ	e P	Z 04:15:01.6	77.5	6.1	1.3	295	6.2		
CLL	e P	Z 04:15:02.6	77.9	7.8	1.5	231	6.1		
BUG	e P	Z 04:15:04.0	78.1	4.1	1.6	316	6.2		
	e pP	Z 04:15:16.1							
BRG	e P	Z 04:15:04.7	78.2	8.4	1.5	174	5.9		
	e pP	Z 04:15:17.1							
UBBA	e P	Z 04:15:06.8	78.6	5.8	2.0	418	6.1		
	e pP	Z 04:15:18.3							

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MOX	e P	Z	04:15:07.3	78.6	6.9	1.6	239	6.0
MANZ	e P	Z	04:15:10.6	79.2	7.2	1.6	166	5.7
	e pP	Z	04:15:22.6					
GRA1	e P	Z	04:15:13.0	79.6	6.6	1.6	454	6.2
	e pP	Z	04:15:24.6					
WLF	e P	Z	04:15:14.5	79.9	3.3	1.6	285	6.0
WET	e P	Z	04:15:15.1	80.0	7.6	1.7	188	5.8
GEC2	e P	Z	04:15:16.1	80.2	8.2	1.6	178	5.8
STU	e P	Z	04:15:18.0	80.7	5.3	1.6	212	5.9
FUR	e P	Z	04:15:20.7	81.1	6.6	1.6	293	6.2
	e pP	Z	04:15:33.2					
BFO	e P	Z	04:15:20.6	81.2	4.7	1.9	273	6.1
	e pP	Z	04:15:33.2					
RJOB	e P	Z	04:15:22.5	81.4	7.6	1.3	64	5.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	05:16:58.1	14.200S	76.100W	35.0				NEIC
Near coast of Peru								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z	05:30:20.9	95.9	254.9					
BFO	e Pdiff	Z	05:30:24.9	96.9	256.4					
BUG	e Pdiff	Z	05:30:25.6	97.0	256.0					
IBBN	e Pdiff	Z	05:30:27.7	97.5	256.5					
STU	e Pdiff	Z	05:30:28.1	97.6	257.1					
FUR	e Pdiff	Z	05:30:34.0	98.8	258.5					
CLZ	e Pdiff	Z	05:30:35.0	99.0	258.4					
GRA1	e Pdiff	Z	05:30:35.6	99.1	258.7					
BSEG	e Pdiff	Z	05:30:36.2	99.4	258.7					
MOX	e Pdiff	Z	05:30:37.5	99.5	259.2					
MANZ	e Pdiff	Z	05:30:38.6	99.7	259.4					
ROTZ	e Pdiff	Z	05:30:38.7	99.7	259.5					
RJOB	e Pdiff	Z	05:30:38.2	99.7	259.5					
WET	e Pdiff	Z	05:30:39.8	100.0	259.8					
CLL	e Pdiff	Z	05:30:41.9	100.5	260.3					
GEC2	e Pdiff	Z	05:30:41.6	100.5	260.4					
BRG	e Pdiff	Z	05:30:44.3	101.0	261.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	07:20:27.4	17.300N	60.500W	47.0	5.0			NEIC
Leeward Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	07:30:59.4	64.8	265.0	1.0	11	5.0		
GRA1	e P	Z	07:31:02.3	65.1	267.7	0.6	12	5.3		

MANZ	e P	Z	07:31:05.9	65.7	268.3	1.0	9	5.0
ROTZ	e P	Z	07:31:06.2	65.8	268.5	1.8	22	5.1
WET	e P	Z	07:31:08.1	66.2	269.2	1.1	9	4.9
CLL	e P	Z	07:31:09.7	66.3	268.4	1.1	13	5.1
GEC2	e P	Z	07:31:12.0	66.7	270.0	1.0	6	4.8
BRG	e P	Z	07:31:13.2	66.9	269.3	0.9	9	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	08:39:34.1	9.050S	159.660E	33.0G		6.6		SZGRF

Bougainville - Solomon Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	08:58:38.8	128.8	40.3					
	e PP	Z	09:00:46.9							
	e SKP	Z	09:02:01.3							
BRG	e PKPdf	Z	08:58:40.0	129.6	46.2					
	e PP	Z	09:00:50.7							
	e SKP	Z	09:02:02.6							
CLL	e PKPdf	Z	08:58:40.4	129.7	44.9					
	e PP	Z	09:00:51.5							
	e SKP	Z	09:02:03.4							
CLZ	e PKPdf	Z	08:58:41.6	130.4	41.5					
	e PP	Z	09:00:56.2							
	e SKP	Z	09:02:06.7							
MOX	e PKPdf	Z	08:58:43.0	130.8	43.6					
	e PP	Z	09:00:57.9							
	e SKP	Z	09:02:07.3							
MANZ	e PKPdf	Z	08:58:42.1	131.0	44.6					
	e PP	Z	09:00:59.3							
	e SKP	Z	09:02:08.8							
GEC2	e PKPdf	Z	08:58:42.1	131.1	47.2					
	e SKP	Z	09:02:08.6							
IBBN	e SKP	Z	09:02:09.0	131.1	38.1					
ROTZ	e PKPdf	Z	08:58:43.0	131.1	44.9					
	e PP	Z	09:01:00.9							
	e SKP	Z	09:02:09.4							
WET	e PKPdf	Z	08:58:44.0	131.3	46.0					
	e PP	Z	09:01:01.8							
	e SKP	Z	09:02:09.8							
UBBA	e PKPdf	Z	08:58:43.7	131.3	41.6					
	e PP	Z	09:01:01.8							
	e SKP	Z	09:02:09.7							
GRA1	e PKPdf	Z	08:58:43.4	131.6	43.8					
	e PP	Z	09:01:04.4							
	e SKP	Z	09:02:11.5							
	e SKKPbc	Z	09:11:15.2							
	e SS	T	09:18:43.0							

	e L	Z	09:58:50.2			21.2	12170	6.6		
BUG	e PP	Z	09:01:07.0	131.9	38.0					
	e SKP	Z	09:02:12.0							
RJOB	e PKPdf	Z	08:58:45.1	132.3	46.8					
	e PP	Z	09:01:09.3							
	e SKP	Z	09:02:12.9							
STU	e PKPdf	Z	08:58:47.8	133.2	41.9					
	e PP	Z	09:01:13.9							
	e SKP	Z	09:02:16.6							
WLF	e PKPdf	Z	08:58:49.8	133.8	37.6					
	e SKP	Z	09:02:19.2							
BFO	e PKPdf	Z	08:58:49.2	133.9	41.1					
	e PP	Z	09:01:19.5							
	e SKP	Z	09:02:18.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	09:43:52.6	14.000S	76.000W	35.0				NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 09:57:30.1	98.9	258.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	11:35:30.3	14.400S	76.200W	35.0				NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 11:49:08.8	99.3	258.7					
	e pPdiff	Z 11:49:19.7							
	e PP	Z 11:53:19.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	14:18:11.3	5.850S	11.670W	22.9	5.2			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 14:27:53.4	57.0	203.9	1.5	35	5.2		
	e pP	Z 14:27:59.8							
	e PP	Z 14:29:54.0							
WLF	e P	Z 14:27:58.9	57.6	201.1	1.8	63	5.3		
	e PP	Z 14:30:04.4							
FUR	e P	Z 14:27:59.5	57.6	207.3	1.2	53	5.4		
RJOB	e P	Z 14:27:59.5	57.8	209.2	1.1	14	4.9		

GRC2	e PP	Z	14:30:13.9	58.3	207.2					
GRB3	e PP	Z	14:30:19.3	58.9	207.6					
GRA1	e P	Z	14:28:08.3	59.0	206.8	1.8	66	5.4		
	e pP	Z	14:28:14.7							
WET	e P	Z	14:28:08.8	59.0	208.8	1.3	34	5.2		
	e pP	Z	14:28:15.2							
	e PP	Z	14:30:15.6							
GEC2	e P	Z	14:28:09.2	59.0	209.8	1.3	48	5.4		
	e pP	Z	14:28:15.4							
	e PP	Z	14:30:14.6							
ROTZ	e P	Z	14:28:10.4	59.4	207.9	1.6	38	5.2		
	e pP	Z	14:28:17.2							
MANZ	e P	Z	14:28:12.2	59.5	207.7	1.9	69	5.4		
	e pP	Z	14:28:18.4							
BUG	e P	Z	14:28:12.5	59.5	202.0	1.0	17	5.0		
	e PP	Z	14:30:21.6							
UBBA	e P	Z	14:28:12.9	59.7	205.2	1.6	33	5.1		
MOX	e P	Z	14:28:15.2	60.0	207.0	1.6	41	5.2		
	e pP	Z	14:28:21.4							
IBBN	e P	Z	14:28:18.6	60.5	202.4					
CLZ	e P	Z	14:28:19.4	60.7	205.4	1.2	17	5.0		
	e PP	Z	14:30:28.5							
BRG	e P	Z	14:28:20.2	60.9	209.5	1.5	25	4.8		
	e PP	Z	14:30:29.2							
CLL	e P	Z	14:28:22.8	61.0	208.4	1.2	19	4.8		
BSEG	e P	Z	14:28:33.1	62.6	204.8	1.7	54	5.5		
	e pP	Z	14:28:39.3							
	e PP	Z	14:30:45.2							

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/16 14:44:13.2 2.409S 11.896W 15.6 4.7
 North of Ascension Island SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:53:47.3	55.8	208.3	0.9	7	4.7		
	e pP	Z 14:53:51.6							

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/16 17:48:22.5 51.221N 178.042W 33.0N 4.4
 Andreanof Islands, Aleutian Islands, United States SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:00:22.3	78.8	5.9	1.0	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/16	19:38:52.5	7.560N	92.460E	33.0G	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 19:50:41.8	76.9	94.1	0.9	8	4.9		
GEC2	e P	Z 19:50:42.2	76.9	93.5	0.9	7	4.8		
RJOB	e P	Z 19:50:44.8	77.5	92.5	1.1	9	4.8		
WET	e P	Z 19:50:45.3	77.5	92.9	1.3	14	4.9		
CLL	e P	Z 19:50:45.0	77.5	93.5	1.6	14	4.8		
ROTZ	e P	Z 19:50:48.3	77.9	92.5	1.0	11	4.9		
MANZ	e P	Z 19:50:48.6	78.0	92.5	1.2	18	5.1		
MOX	e P	Z 19:50:50.1	78.4	92.3	1.3	9	4.7		
GRA1	e P	Z 19:50:51.7	78.6	91.8	1.0	14	4.9		
CLZ	e P	Z 19:50:54.6	79.2	91.5	0.9	10	4.8		
BSEG	e P	Z 19:50:55.1	79.3	91.9	1.1	14	4.9		
BFO	e P	Z 19:51:01.3	80.5	89.3	1.2	8	4.7		
BUG	e P	Z 19:51:05.1	81.1	89.0	0.9	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	00:31:42.5	14.400S	76.200W	22.0				NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 00:45:22.4	99.3	258.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	00:51:19.4	14.400S	75.900W	16.0				NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 01:05:00.4	99.1	258.4					
MOX	e Pdiff	Z 01:05:01.3	99.5	258.9					
MANZ	e Pdiff	Z 01:05:03.2	99.7	259.1					
ROTZ	e Pdiff	Z 01:05:03.1	99.7	259.2					
GUNZ	e Pdiff	Z 01:05:04.4	99.9	259.4					
WET	e Pdiff	Z 01:05:04.4	100.1	259.6					
GEC2	e Pdiff	Z 01:05:06.9	100.5	260.1					
FBE	e Pdiff	Z 01:05:08.2	100.7	260.2					
BRG	e Pdiff	Z 01:05:10.7	101.0	260.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2007/08/17

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 02:35:05.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:22:30.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	03:04: 3.0	5.300S	129.500E	10.0				NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKKP	Z 03:33:37.2	112.1	71.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	09:46:58.3	22.900S	171.500E	84.0				NEIC

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:06:37.0	149.1	37.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 12:46:44.0							
GEC2	e P	Z 12:46:52.6							
WET	e P	Z 12:46:52.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	13:18:11.7	13.500S	76.500W	32.0		5.5		NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pdiff	Z 13:31:38.8	96.7	257.2					

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BUG	e Pdiff	Z	13:31:39.4	96.7	256.7						
UBBA	e Pdiff	Z	13:31:45.1	98.2	258.7						
GRA1	e Pdiff	Z	13:31:51.7	98.8	259.5						
	e PP	Z	13:35:47.1								
	e SKSac	R	13:42:29.0								
	e SS	R	13:49:52.9								
	e L	Z	14:16:18.3			20.7	1676		5.5		
MANZ	e Pdiff	Z	13:31:50.9	99.4	260.2						
ROTZ	e Pdiff	Z	13:31:51.1	99.4	260.2						
WET	e Pdiff	Z	13:31:52.7	99.8	260.6						
GEC2	e Pdiff	Z	13:31:56.6	100.3	261.2						
BRG	e Pdiff	Z	13:31:58.8	100.7	261.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	19:14:45.0	35.010N	141.122E	29.8	5.2			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:27:12.5	84.4	39.2	1.2	20	5.2		
	e pP	Z 19:27:21.2							
	e L	Z 20:12:11.6			18.6	329			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/17	19:35:21.4	9.270S	13.600W	22.4	4.8			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e P	Z 19:45:35.3	61.5	208.2	0.9	19	4.9		
	e pP	Z 19:45:41.6			0.9	19			
GRA1	e P	Z 19:45:44.5	62.8	207.8	1.1	9	4.8		
	e pP	Z 19:45:50.6			1.1	9			
WET	e P	Z 19:45:44.2	62.9	209.6	1.2	8	4.7		
GEC2	e P	Z 19:45:44.9	62.9	210.6	1.0	11	4.9		
	e pP	Z 19:45:51.3							
ROTZ	e P	Z 19:45:47.1	63.2	208.8	2.1	30	5.1		
MANZ	e P	Z 19:45:47.5	63.4	208.6	1.0	6	4.7		
BRG	e P	Z 19:45:56.7	64.7	210.3	0.9	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	00:59:37.4	10.576N	56.038E	33.0N	5.0			SZGRF

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	01:08:56.9	53.8	120.8	1.7	29	5.0
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	02:28:33.4	40.647N	29.954W	33.0N	4.8			SZGRF

Azores Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:34:39.2	30.0	268.4	1.4	21	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	02:37: 8.1	40.144N	29.947W	33.0N	4.9			SZGRF

Azores Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:43:16.3	30.2	267.5	1.4	25	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	02:52:36.3	13.800S	76.200W	35.0		5.6		NEIC

Near coast of Peru

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	03:05:57.8	95.6	255.3					
	e PP	Z	03:09:50.6							
	e SKSac	E	03:16:47.0							
BFO	e P	Z	03:06:02.3	96.7	256.7					
	e PP	Z	03:09:58.7							
	e SKSac	E	03:16:55.1							
BUG	e P	Z	03:06:02.8	96.8	256.3					
	e PP	Z	03:09:59.3							
	e SKSac	E	03:16:57.2							
IBBN	e P	Z	03:06:05.2	97.3	256.8					
	e PP	Z	03:10:02.7							
	e SKSac	E	03:16:57.2							
STU	e P	Z	03:06:05.8	97.4	257.4					
	e PP	Z	03:10:03.3							
	e SKSac	E	03:16:57.2							
UBBA	e P	Z	03:06:10.7	98.3	258.3					
	e PP	Z	03:10:10.4							
	e SKSac	E	03:16:57.2							
FUR	e P	Z	03:06:11.6	98.6	258.9					
	e PP	Z	03:10:12.0							
	e SKSac	E	03:17:04.3							
NRDL	e P	Z	03:06:12.3	98.7	258.6					
	e PP	Z	03:10:13.6							
	e SKSac	E	03:17:01.3							

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CLZ	e P	Z	03:06:12.3	98.7	258.7				
	e PP	Z	03:10:13.3						
	e SKSac	E	03:17:03.3						
GRA1	e P	Z	03:06:13.0	98.8	259.1				
	e PP	Z	03:10:12.2						
	e SKSac	E	03:17:05.3						
	e L	Z	03:47:21.2			21.5	2065	5.6	
BSEG	e P	Z	03:06:13.7	99.1	259.0				
	e PP	Z	03:10:15.6						
	e SKSac	E	03:17:05.3						
MOX	e P	Z	03:06:14.4	99.3	259.5				
	e PP	Z	03:10:16.2						
MANZ	e P	Z	03:06:15.6	99.5	259.8				
	e PP	Z	03:10:17.6						
	e SKSac	E	03:17:07.4						
ROTZ	e P	Z	03:06:15.9	99.5	259.8				
	e PP	Z	03:10:18.2						
	e SKSac	E	03:17:06.4						
WET	e P	Z	03:06:17.2	99.8	260.2				
	e PP	Z	03:10:21.1						
CLL	e P	Z	03:06:19.0	100.2	260.7				
	e PP	Z	03:10:23.8						
GEC2	e P	Z	03:06:19.2	100.3	260.7				
	e PP	Z	03:10:24.9						
	e SKSac	E	03:17:06.4						
BRG	e P	Z	03:06:21.0	100.8	261.3				
	e PP	Z	03:10:27.8						
	e SKSac	E	03:17:07.4						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	04:38:18.5	1.321N	97.480E	22.2	5.0			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:50:58.8	86.6	92.0	0.9	10	5.0		
	e pP	Z 04:51:05.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	07:44:17.9	0.552S	36.121E	33.0N	5.4			SZGRF
Kenya								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 07:53:32.2	53.1	151.5	1.5	62	5.3		
FUR	e P	Z 07:53:34.0	53.3	148.4					
WET	e P	Z 07:53:36.6	53.6	150.6	2.5	110	5.4		

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ROTZ	e P	Z	07:53:41.5	54.3	150.1				
BFO	e P	Z	07:53:42.5	54.5	145.1	2.6	195	5.7	
STU	e P	Z	07:53:43.1	54.5	146.2	2.4	188	5.7	
MANZ	e P	Z	07:53:43.1	54.6	150.0				
GRA1	e P	Z	07:53:43.4	54.6	148.9	2.2	126	5.6	
	e PcP	Z	07:54:41.4						
BRG	e P	Z	07:53:44.8	54.8	152.5				
MOX	e P	Z	07:53:48.8	55.3	149.7	2.1	96	5.5	
	e PcP	Z	07:54:44.3						
CLL	e P	Z	07:53:49.6	55.4	151.5	1.7	32	5.1	
	e PcP	Z	07:54:45.1						
UBBA	e P	Z	07:53:53.1	56.0	147.9				
	e PcP	Z	07:54:46.6						
WLF	e P	Z	07:53:56.4	56.4	143.2				
	e PcP	Z	07:54:48.6						
CLZ	e P	Z	07:53:58.5	56.7	148.7	2.2	62	5.2	
NRDL	e P	Z	07:54:03.3	57.4	148.6				
BUG	e P	Z	07:54:04.7	57.4	145.1				
BSEG	e P	Z	07:54:12.3	58.5	149.3				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	07:55:8.4	35.109N	141.124E	30.0	5.6	5.2		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:07:37.5	84.3	39.1	1.4	53	5.6		
	e pP	Z 08:07:45.5							
	e L	Z 08:52:36.7			18.2	920		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	12:32:19.8	21.799S	175.258E	33.0N		5.4		SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 12:51:56.0	145.9	25.5					
NRDL	e PKPbc	Z 12:51:59.3	147.2	26.1					
CLL	e PKPbc	Z 12:51:59.6	147.4	31.7					
BRG	e PKPbc	Z 12:52:00.2	147.5	33.6					
CLZ	e PKPbc	Z 12:52:00.9	147.8	27.0					
IBBN	e PKPbc	Z 12:52:01.8	148.0	22.3					
MOX	e PKPbc	Z 12:52:02.4	148.4	30.0					
UBBA	e PKPbc	Z 12:52:03.5	148.8	27.1					
MANZ	e PKPbc	Z 12:52:03.9	148.8	31.3					
ROTZ	e PKPbc	Z 12:52:04.2	149.0	31.7					
GEC2	e PKPbc	Z 12:52:04.6	149.2	35.0					

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WET	e	PKPbc	Z	12:52:04.6	149.3	33.4						
GRA1	e	PKPbc	Z	12:52:05.2	149.4	30.1						
	e	SS	E	13:14:50.7								
	e	L	Z	14:07:23.8			20.3	667		5.4		
FUR	e	PKPbc	Z	12:52:08.4	150.7	31.6						
WLF	e	PKPbc	Z	12:52:09.4	150.8	21.1						
STU	e	PKPbc	Z	12:52:09.0	150.8	27.3						
BFO	e	PKPbc	Z	12:52:10.1	151.5	26.1						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18	12:48: 9.8	27.660S	178.380W	33.0N				SZGRF
Kermadec Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	13:08:03.9	153.0	17.1			
	e	PKPab	Z	13:08:18.6					
NRDL	e	PKPbc	Z	13:08:07.1	154.4	17.6			
	e	PKPab	Z	13:08:23.5					
CLL	e	PKPbc	Z	13:08:07.7	154.8	24.3			
	e	PKPab	Z	13:08:26.3					
IBBN	e	PKPab	Z	13:08:27.3	154.9	12.9			
CLZ	e	PKPbc	Z	13:08:08.6	154.9	18.6			
	e	PKPab	Z	13:08:26.8					
BRG	e	PKPbc	Z	13:08:08.6	155.0	26.5			
	e	PKPab	Z	13:08:27.3					
MANZ	e	PKPab	Z	13:08:32.5	156.3	23.6			
ROTZ	e	PKPab	Z	13:08:33.9	156.5	24.0			
GRA1	e	PKPab	Z	13:08:35.1	156.8	22.0			
WET	e	PKPab	Z	13:08:35.3	156.8	26.1			
STU	e	PKPab	Z	13:08:40.7	158.1	18.2			
FUR	e	PKPab	Z	13:08:40.8	158.2	23.5			
BFO	e	PKPab	Z	13:08:43.0	158.7	16.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	18:17:32.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/18								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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BFO	e	PKPdf	Z	18:49:21.7
BRG	e	PKPdf	Z	18:49:13.0
BSEG	e	PKPdf	Z	18:49:13.6
BUG	e	PKPdf	Z	18:49:19.4
CLL	e	PKPdf	Z	18:49:13.1
CLZ	e	PKPdf	Z	18:49:16.1
GEC2	e	PKPdf	Z	18:49:15.1
GRA1	e	PKPdf	Z	18:49:17.7
IBBN	e	PKPdf	Z	18:49:17.7
MANZ	e	PKPdf	Z	18:49:16.1
MOX	e	PKPdf	Z	18:49:15.8
NRDL	e	PKPdf	Z	18:49:15.4
STU	e	PKPdf	Z	18:49:20.4
WET	e	PKPdf	Z	18:49:16.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	01:22:53.2	13.605S	76.000W	16.8	6.2	5.3		SZGRF

Central Peru

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	01:36:03.9	95.4	255.3					
BFO	e P	Z	01:36:08.2	96.4	256.7					
BUG	e P	Z	01:36:08.9	96.5	256.3					
IBBN	e P	Z	01:36:10.7	97.0	256.8					
STU	e P	Z	01:36:11.9	97.1	257.4					
UBBA	e P	Z	01:36:15.7	98.0	258.3					
FUR	e P	Z	01:36:17.6	98.3	258.9					
NRDL	e P	Z	01:36:18.2	98.4	258.6					
CLZ	e P	Z	01:36:17.8	98.5	258.7					
GRA1	e P	Z	01:36:18.6	98.6	259.0	2.8	148	6.2		
	e pP	Z	01:36:23.5							
	e SKSac	E	01:47:05.6							
	e PS	E	01:49:16.7							
	e L	Z	02:24:08.4			19.1	1007		5.3	
BSEG	e P	Z	01:36:19.1	98.8	259.0					
MOX	e P	Z	01:36:20.6	99.0	259.5					
MANZ	e P	Z	01:36:22.1	99.2	259.7					
ROTZ	e P	Z	01:36:21.7	99.2	259.8					
WET	e P	Z	01:36:23.0	99.5	260.2					
CLL	e P	Z	01:36:24.9	100.0	260.6					
GEC2	e P	Z	01:36:25.3	100.0	260.7					
BRG	e P	Z	01:36:27.3	100.5	261.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:56:36.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	12:59:31.5	4.382S	11.361W	21.2	5.0			SZGRF

North of Ascension Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:09:17.8	57.5	207.0	1.8	27	5.0		
	e pP	Z 13:09:23.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	13:12:40.0	0.044N	96.411E	33.9	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:25:21.7	86.9	93.6	1.1	14	5.0		
	e pP	Z 13:25:31.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	13:34:21.8	1.224N	98.872E	25.8	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:47:06.7	87.5	91.0	0.7	6	5.0		
	e pP	Z 13:47:14.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (P)	Z 13:51:25.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	13:44: 7.5	19.737S	171.040E	92.2				SZGRF

Vanuatu Islands region

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

BSEG	e	PKPbc	Z	14:03:25.4	142.8	30.9
BRG	e	PKPbc	Z	14:03:29.4	144.0	38.6
CLL	e	PKPbc	Z	14:03:29.3	144.0	36.8
NRDL	e	PKPbc	Z	14:03:29.4	144.0	31.6
CLZ	e	PKPbc	Z	14:03:31.1	144.5	32.5
IBBN	e	PKPbc	Z	14:03:32.6	144.9	28.1
	e	pPKPbc	Z	14:03:57.5		
MOX	e	PKPbc	Z	14:03:32.7	145.1	35.3
MANZ	e	PKPbc	Z	14:03:33.5	145.4	36.6
UBBA	e	PKPbc	Z	14:03:33.8	145.5	32.7
ROTZ	e	PKPbc	Z	14:03:34.1	145.6	36.9
GEC2	e	PKPbc	Z	14:03:34.6	145.7	40.0
GRA1	e	PKPbc	Z	14:03:35.7	146.0	35.5
	e	pPKPbc	Z	14:04:00.9		
FUR	e	PKPbc	Z	14:03:38.8	147.2	37.0
	e	PKPab	Z	14:03:42.0		
	e	pPKPbc	Z	14:04:04.7		
STU	e	PKPbc	Z	14:03:39.7	147.5	33.1
WLF	e	PKPbc	Z	14:03:41.2	147.7	27.4
	e	pPKPbc	Z	14:04:06.1		
BFO	e	PKPab	Z	14:03:45.4	148.2	32.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/19 16:44:30.6 32.660S 176.830W 33.0N 5.1 SZGRF
 South of Kermadec Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPab	Z	17:04:57.9	158.1	16.3				
NRDL	e	PKPab	Z	17:05:03.7	159.5	16.9				
CLL	e	PKPab	Z	17:05:05.6	160.0	24.9				
IBBN	e	PKPab	Z	17:05:06.5	160.1	11.4				
CLZ	e	PKPab	Z	17:05:06.6	160.1	18.1				
BRG	e	PKPab	Z	17:05:06.5	160.1	27.6				
MOX	e	PKPab	Z	17:05:10.1	161.0	22.3				
BUG	e	PKPab	Z	17:05:10.1	161.0	10.6				
UBBA	e	PKPab	Z	17:05:10.8	161.2	18.1				
MANZ	e	PKPab	Z	17:05:12.5	161.5	24.3				
ROTZ	e	PKPab	Z	17:05:13.7	161.6	24.8				
GRA1	e	PKPab	Z	17:05:15.0	161.9	22.4				
	e	L	Z	18:21:43.0			19.2	264	5.1	
WET	e	PKPab	Z	17:05:15.0	162.0	27.3				
GEC2	e	PKPab	Z	17:05:14.6	162.0	29.9				
WLF	e	PKPab	Z	17:05:19.1	162.9	8.5				
STU	e	PKPab	Z	17:05:20.1	163.3	17.9				
FUR	e	PKPab	Z	17:05:20.9	163.3	24.5				
BFO	e	PKPab	Z	17:05:22.7	163.9	15.8				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	18:06:48.6	53.046N	160.038E	33.0N	5.0			SZGRF
Near east coast of Kamchatka Peninsula, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:18:21.0	73.9	18.9	1.2	19	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/19	23:25:13.7	17.458S	178.254W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 23:44:52.1	146.9	16.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	02:46:54.2	2.401S	35.703E	33.0N	4.3			SZGRF
Tanzania								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:56:31.5	56.2	150.1	0.9	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	02:56:54.3	1.800S	37.480E	33.0N	5.2	4.5		SZGRF
Kenya								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 03:06:19.3	54.7	150.4	1.4	60	5.3		
	e PcP	Z 03:07:20.6							
FUR	e P	Z 03:06:21.3	54.9	147.4	1.7	61	5.3		
WET	e P	Z 03:06:22.5	55.2	149.6	1.4	25	5.0		
	e PcP	Z 03:07:23.0							
ROTZ	e P	Z 03:06:28.1	56.0	149.0	1.3	29	5.0		
BFO	e P	Z 03:06:29.6	56.2	144.1	1.5	45	5.2		
MANZ	e P	Z 03:06:29.6	56.2	149.0	1.3	27	5.0		
	e PcP	Z 03:07:29.1							
STU	e P	Z 03:06:31.4	56.2	145.2	0.9	24	5.1		
GRA1	e P	Z 03:06:28.9	56.2	147.9	1.4	42	5.2		
	e PcP	Z 03:07:27.6							
	e S	R 03:14:26.5							
	e SS	R 03:18:08.3							
	e L	Z 03:32:05.4			20.7	368		4.5	

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BRG	e P	Z	03:06:32.2	56.4	151.4					
	e PcP	Z	03:07:28.5							
MOX	e P	Z	03:06:34.9	56.9	148.6	1.6	40	5.1		
CLL	e P	Z	03:06:35.7	57.0	150.4	1.4	27	5.1		
	e PcP	Z	03:07:32.3							
UBBA	e P	Z	03:06:39.9	57.6	146.9	1.5	47	5.3		
WLF	e P	Z	03:06:43.2	58.1	142.2	1.4	49	5.3		
CLZ	e P	Z	03:06:45.6	58.3	147.6	1.8	32	5.1		
	e PcP	Z	03:07:35.9							
NRDL	e P	Z	03:06:50.2	59.0	147.6	1.5	66	5.4		
	e PcP	Z	03:07:39.8							
BUG	e P	Z	03:06:50.7	59.1	144.1	1.4	48	5.3		
IBBN	e P	Z	03:06:55.3	59.6	144.9	1.5	86	5.6		
BSEG	e P	Z	03:06:57.7	60.1	148.2	1.7	56	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	04:52: 9.5	36.630N	72.150E	33.0N	4.7			SZGRF
Afghanistan-Tajikistan border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 05:00:07.9	43.1	85.9	1.8	35	4.8		
GEC2	e P	Z 05:00:10.7	43.5	83.6	1.8	12	4.3		
CLL	e P	Z 05:00:12.0	43.7	85.7	1.3	11	4.4		
WET	e P	Z 05:00:15.2	44.0	83.4	1.2	6	4.2		
ROTZ	e P	Z 05:00:18.3	44.3	83.6	1.5	12	4.4		
MANZ	e P	Z 05:00:18.3	44.4	83.7	1.2	8	4.5		
MOX	e P	Z 05:00:20.0	44.6	84.0	1.3	9	4.5		
GRA1	e P	Z 05:00:23.2	45.0	82.8	2.7	107	5.3		
	e PP	Z 05:02:10.1							
BSEG	e P	Z 05:00:25.0	45.1	86.4	1.0	11	4.7		
FUR	e P	Z 05:00:24.2	45.2	81.3	0.7	15	5.0		
CLZ	e P	Z 05:00:25.0	45.3	84.3	1.1	7	4.5		
NRDL	e P	Z 05:00:26.4	45.4	84.8	1.3	14	4.8		
	e PP	Z 05:02:12.5							
UBBA	e PP	Z 05:02:15.3	45.6	83.1					
IBBN	e P	Z 05:00:37.2	46.8	82.9	0.4	14	5.4		
BFO	e PP	Z 05:02:28.2	47.1	79.6					
WLF	e P	Z 05:00:48.1	48.2	79.4	1.4	27	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	06:38:37.8	3.545S	36.376E	33.0N	4.4			SZGRF
Tanzania								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:48:24.1	57.5	149.8	0.9	3	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	08:54:41.8	17.080S	175.560W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 09:14:14.3	144.9	9.9					
CLL	e PKPbc	Z 09:14:14.9	145.1	14.4					
BRG	e PKPbc	Z 09:14:15.6	145.4	16.1					
FBE	e PKPbc	Z 09:14:16.1	145.4	15.1					
BUG	e PKPbc	Z 09:14:16.6	145.6	4.8					
MOX	e PKPbc	Z 09:14:17.5	145.9	12.3					
UBBA	e PKPbc	Z 09:14:17.3	146.0	9.5					
WERD	e PKPbc	Z 09:14:17.9	146.0	13.5					
GUNZ	e PKPbc	Z 09:14:18.5	146.1	13.6					
WERN	e PKPbc	Z 09:14:18.2	146.2	13.7					
MANZ	e PKPbc	Z 09:14:19.8	146.5	13.4					
ROTZ	e PKPbc	Z 09:14:20.3	146.7	13.6					
GRA1	e PKPbc	Z 09:14:21.7	146.9	11.9					
GEC2	e PKPbc	Z 09:14:21.8	147.4	16.6					
WLF	e PKPbc	Z 09:14:22.5	147.4	3.0					
RJOB	e PKPbc	Z 09:14:25.8	148.6	15.5					
BFO	e PKPbc	Z 09:14:24.7	148.6	7.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	11:57:53.8	7.800N	93.396E	33.0N	4.7			SZGRF
Nicobar Islands, India, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:09:54.9	79.0	90.9	1.0	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	12:37: 8.4	0.520S	17.360W	21.6	5.7	5.1		SZGRF
North of Ascension Island								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 12:46:27.5	53.7	212.5	1.3	133	5.7		
	e S	T 12:54:01.0							
WLF	e P	Z 12:46:30.5	54.1	209.5	1.6	172	5.8		
	e pP	Z 12:46:36.4							
	e S	T 12:54:04.3							
STU	e P	Z 12:46:32.2	54.4	213.4	1.1	81	5.7		
	e S	T 12:54:10.3							

FUR	e P	Z	12:46:34.8	54.6	216.0	1.5	352	6.2
	e PP	Z	12:48:33.3					
	e S	T	12:54:14.2					
GRA1	e P cP	Z	12:45:36.8	55.9	215.3			
	e P	Z	12:46:43.3			1.4	125	5.7
	e PP	Z	12:48:43.5					
	e L	Z	13:12:45.9			19.0	1501	5.1
BUG	e P	Z	12:46:44.1	56.0	210.2	1.3	101	5.7
	e PP	Z	12:48:46.5					
	e S	T	12:54:32.1					
WET	e P	Z	12:46:45.0	56.1	217.4	1.4	191	5.9
	e PP	Z	12:48:46.6					
	e S	T	12:54:32.5					
GEC2	e P	Z	12:46:45.9	56.2	218.4	1.8	236	5.9
	e PP	Z	12:48:45.5					
	e S	T	12:54:34.2					
ROTZ	e P	Z	12:46:46.7	56.3	216.4	1.6	122	5.7
	e pP	Z	12:46:52.4					
	e PP	Z	12:48:48.6					
	e S	T	12:54:36.9					
UBBA	e P	Z	12:46:47.2	56.4	213.5	1.7	154	5.8
	e PP	Z	12:48:48.9					
	e S	T	12:54:37.5					
MANZ	e P	Z	12:46:47.5	56.4	216.2	1.3	110	5.7
	e PP	Z	12:48:48.8					
	e S	T	12:54:38.6					
MOX	e P	Z	12:46:50.1	56.8	215.4	1.2	78	5.6
	e pP	Z	12:46:56.3					
	e S	T	12:54:42.9					
IBBN	e P	Z	12:46:50.7	56.9	210.5	1.6	162	5.8
	e S	T	12:54:43.9					
CLZ	e P	Z	12:46:54.0	57.3	213.6	1.4	45	5.3
	e PP	Z	12:48:58.1					
	e S	T	12:54:51.3					
NRDL	e P	Z	12:46:57.8	57.8	213.0	1.6	108	5.6
	e pP	Z	12:47:03.5					
	e PP	Z	12:49:01.7					
	e S	T	12:54:56.3					
CLL	e P	Z	12:46:57.4	57.8	216.7	1.3	82	5.6
	e pP	Z	12:47:03.7					
	e S	T	12:54:55.9					
BRG	e P	Z	12:46:57.5	57.9	217.9	1.4	93	5.6
	e PP	Z	12:49:00.9					
BSEG	e P	Z	12:47:05.8	59.1	212.8	1.5	186	5.9
	e PP	Z	12:49:13.3					

2007/08/20 13:46:26.6
 East of Philippine Islands

8.730N

129.310E

21.0

6.4

SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z	14:00:01.7	98.6	64.6					
	e Sdiff	T	14:11:35.1							
	e SP	Z	14:12:56.3							
CLL	e Pdiff	Z	14:00:03.0	98.9	63.8					
	e PP	Z	14:04:08.4							
	e Sdiff	T	14:11:37.5							
BSEG	e Pdiff	Z	14:00:04.9	99.2	61.1					
	e PP	Z	14:04:10.1							
	e SP	Z	14:13:05.4							
GEC2	e Pdiff	Z	14:00:05.9	99.6	64.7					
	e Sdiff	T	14:11:43.7							
	e SP	Z	14:13:06.8							
WET	e Pdiff	Z	14:00:07.8	100.0	64.0					
	e Sdiff	T	14:11:45.3							
	e SP	Z	14:13:10.8							
NRDL	e Pdiff	Z	14:00:08.7	100.0	61.2					
	e Sdiff	T	14:11:45.3							
	e SP	Z	14:13:11.6							
MOX	e Pdiff	Z	14:00:08.2	100.0	62.7					
	e PP	Z	14:04:16.2							
	e Sdiff	T	14:11:46.3							
MANZ	e Pdiff	Z	14:00:08.4	100.0	63.2					
	e PP	Z	14:04:17.0							
	e Sdiff	T	14:11:45.0							
ROTZ	e Pdiff	Z	14:00:08.7	100.1	63.3					
	e PP	Z	14:04:17.3							
	e Sdiff	T	14:11:49.2							
CLZ	e Pdiff	Z	14:00:09.3	100.1	61.5					
	e Sdiff	T	14:11:45.2							
	e SP	Z	14:13:14.3							
GRA1	e Pdiff	Z	14:00:11.4	100.7	62.5					
	e Sdiff	T	14:11:50.0							
	e SP	Z	14:13:18.4							
UBBA	e L	Z	14:50:27.1	100.8	61.3	19.7	11053		6.4	
	e Pdiff	Z	14:00:11.9							
	e PP	Z	14:04:24.4							
IBBN	e Sdiff	T	14:11:50.5	101.3	59.2					
	e SP	Z	14:13:20.3							
	e Pdiff	Z	14:00:14.4							
	e Sdiff	T	14:11:56.3							
	e SP	Z	14:13:26.8							

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FUR	e Pdiff	Z	14:00:13.9	101.3	62.9
	e Sdiff	T	14:11:56.9		
	e SP	Z	14:13:26.2		
BUG	e Pdiff	Z	14:00:17.3	102.0	58.9
	e Sdiff	T	14:12:02.4		
	e SP	Z	14:13:34.1		
STU	e Pdiff	Z	14:00:18.1	102.3	61.0
	e Sdiff	T	14:12:01.4		
	e SP	Z	14:13:34.0		
BFO	e Pdiff	Z	14:00:22.0	103.0	60.4
	e Sdiff	T	14:12:08.6		
	e SP	Z	14:13:42.0		
WLF	e Pdiff	Z	14:00:24.8	103.5	58.3
	e PP	Z	14:04:44.3		
	e Sdiff	T	14:12:17.7		
	e SP	Z	14:13:49.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	18:19:30.5	25.500S	171.500E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 18:39:13.8	148.3	33.7					
BRG	e PKPbc	Z 18:39:16.3	149.4	42.5					
CLL	e PKPbc	Z 18:39:16.6	149.4	40.6					
NEUB	e PKPbc	Z 18:39:18.6	150.0	38.7					
WERD	e PKPbc	Z 18:39:19.4	150.4	40.4					
WERN	e PKPbc	Z 18:39:19.0	150.5	40.7					
MANZ	e PKPbc	Z 18:39:20.3	150.8	40.6					
ROTZ	e PKPbc	Z 18:39:18.2	150.9	41.1					
GEC2	e PKPbc	Z 18:39:21.3	150.9	44.6					
UBBA	e PKPbc	Z 18:39:20.9	151.0	36.2					
WET	e PKPbc	Z 18:39:21.3	151.1	42.9					
GRA1	e PKPbc	Z 18:39:22.5	151.4	39.5					
BFO	e PKPbc	Z 18:39:26.6	153.6	36.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/20	21:01:26.8	19.479S	66.238W	205.0G	5.5			NEIC

Southern Bolivia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 21:14:20.0	94.0	244.3	1.3	38	5.6		
UBBA	e P	Z 21:14:33.1	96.7	247.2	1.3	15	5.5		
GRA1	e P	Z 21:14:35.3	97.0	248.0	1.4	17	5.5		
	e pP	Z 21:15:39.5							

CLZ	e P	Z	21:14:36.7	97.3	247.6	1.5	22	5.6
NRDL	e P	Z	21:14:37.6	97.4	247.5	1.0	10	5.4
MOX	e P	Z	21:14:38.2	97.6	248.4	1.4	14	5.4
ROTZ	e P	Z	21:14:37.6	97.6	248.7	2.4	45	5.7
	e		21:18:05.5					
	e PP	Z	21:18:05.5					
MANZ	e P	Z	21:14:37.6	97.6	248.7	3.0	115	6.0
WET	e P	Z	21:14:38.5	97.8	249.1	1.3	8	5.3
	e PP	Z	21:18:07.7					
GEC2	e P	Z	21:14:40.5	98.2	249.7	1.6	15	5.5
CLL	e P	Z	21:14:42.4	98.6	249.5	0.9	4	5.1
	e PP	Z	21:18:13.3					

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/20 21:30:45.6 5.400S 140.800E 10.0 5.9 NEIC
 Irian Jaya, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 21:50:47.3	118.8	61.1					
	e Sdiff	N 21:58:42.2							
	e L	Z 22:52:46.4			19.3	2570		5.9	

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/20 22:42:29.9 7.440N 38.850W 33.0N 6.2 6.3 SZGRF
 Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 22:52:08.1	56.5	237.3	1.6	322	6.1		
	e S	T 22:59:58.6							
BFO	e P	Z 22:52:12.4	57.0	240.2	1.3	492	6.4		
	e S	T 23:00:05.6							
STU	e P	Z 22:52:16.9	57.7	240.7	1.2	290	6.2		
BUG	e P	Z 22:52:19.1	58.0	237.4	1.6	473	6.3		
	e S	T 23:00:20.5							
FUR	e P	Z 22:52:24.1	58.6	243.0	1.3	674	6.5		
IBBN	e P	Z 22:52:24.3	58.7	237.5	1.8	676	6.4		
	e S	T 23:00:29.9							
UBBA	e P	Z 22:52:27.6	59.2	240.4	1.9	405	6.1		
	e S	T 23:00:32.6							
GRA1	e P	Z 22:52:28.5	59.3	242.2	1.5	599	6.4		
	e S	T 23:00:35.5							
	e SS	R 23:04:28.7							
	e L	Z 23:13:39.7			21.3	21912		6.3	
CLZ	e P	Z 22:52:32.2	59.9	240.2	3.0	1213	6.4		
	e S	T 23:00:40.0							

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ROTZ	e P	Z	22:52:32.8	59.9	243.0	1.5	422	6.3
	e S	T	23:00:42.4					
MANZ	e P	Z	22:52:33.0	59.9	242.8	1.6	356	6.1
	e S	T	23:00:43.5					
MOX	e P	Z	22:52:33.2	60.0	242.0	1.6	393	6.2
WET	e P	Z	22:52:33.3	60.0	244.0	1.5	217	6.0
	e S	T	23:00:45.1					
NRDL	e P	Z	22:52:33.9	60.1	239.7	1.5	528	6.3
	e S	T	23:00:44.5					
GEC2	e P	Z	22:52:35.9	60.4	244.9	1.6	252	6.0
	e S	T	23:00:48.3					
BSEG	e P	Z	22:52:39.0	60.9	239.2	1.5	718	6.5
	e S	T	23:00:54.0					
CLL	e P	Z	22:52:40.6	61.1	243.0	1.4	195	5.9
	e S	T	23:00:57.5					
BRG	e P	Z	22:52:43.1	61.4	244.1	1.6	317	5.9
	e S	T	23:01:01.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/21	13:35:35.1	7.789N	39.540W	10.5	4.6	3.9		SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:45:34.8	59.4	243.0	0.9	6	4.6		
	e pP	Z 13:45:37.7							
	e L	Z 14:06:52.5			19.4	82		3.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/21	16:36:41.1	7.600N	39.705W	14.0	5.0	4.2		SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 16:46:27.4	57.4	241.1	1.0	24	5.2		
	e pP	Z 16:46:30.9							
GRA1	e P	Z 16:46:42.5	59.7	243.1	0.8	19	5.2		
	e pP	Z 16:46:47.0							
	e S	R 16:54:57.7							
	e L	Z 17:06:09.4			21.9	180		4.2	
ROTZ	e P	Z 16:46:47.8	60.3	243.9	1.7	40	5.2		
	e pP	Z 16:46:51.4							
MOX	e P	Z 16:46:48.3	60.3	242.9	0.9	9	4.8		
	e pP	Z 16:46:52.0							
NRDL	e P	Z 16:46:49.2	60.4	240.6	1.6	36	5.2		
	e pP	Z 16:46:52.7							
GEC2	e P	Z 16:46:49.6	60.8	245.8	1.5	15	4.6		

	e pP	Z	16:46:54.1							
BSEG	e P	Z	16:46:57.7	61.2	240.1	1.1		30	5.0	
BRG	e P	Z	16:47:01.5	61.7	245.0	1.4		15	5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/21	23:50:39.3	51.159N	178.330W	33.0N	4.5	4.1		SZGRF

Andreas of Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:02:39.3	78.8	6.1	1.0	6	4.5		
	e L	Z 00:40:21.4			21.4	105		4.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/22	07:26:29.0	43.240N	140.940E	124.6	5.7			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 07:37:44.8	72.5	37.2					
RUE	e P	Z 07:37:52.9	74.0	37.2					
	e pP	Z 07:38:24.8							
BSEG	e P	Z 07:37:53.6	74.1	35.1	0.9	122	5.9		
BRG	e P	Z 07:37:59.8	75.2	37.0	1.0	54	5.6		
	e PP	Z 07:40:50.9							
CLL	e P	Z 07:37:59.5	75.2	36.5	0.9	104	5.9		
	e pP	Z 07:38:31.5							
NRDL	e P	Z 07:38:00.5	75.3	34.7	1.0	51	5.6		
	e PP	Z 07:40:51.5							
CLZ	e P	Z 07:38:03.3	75.8	34.8	1.0	118	6.0		
	e pP	Z 07:38:34.3							
IBBN	e P	Z 07:38:05.8	76.3	33.1	1.1	114	5.9		
MOX	e P	Z 07:38:05.8	76.3	35.5	1.2	70	5.7		
	e pP	Z 07:38:37.2							
WERN	e P	Z 07:38:05.8	76.3	35.9					
MANZ	e P	Z 07:38:07.9	76.6	35.7	1.0	49	5.6		
UBBA	e P	Z 07:38:08.2	76.7	34.4	1.1	31	5.4		
ROTZ	e P	Z 07:38:09.1	76.8	35.7	1.0	73	5.7		
	e pP	Z 07:38:40.0							
	e PP	Z 07:41:04.1							
GEC2	e P	Z 07:38:09.4	77.0	36.5	1.0	36	5.4		
	e PP	Z 07:41:05.2							
WET	e P	Z 07:38:10.3	77.0	36.1	1.1	85	5.8		
BUG	e P	Z 07:38:10.5	77.2	32.7	1.0	76	5.8		
	e pP	Z 07:38:42.0							
GRA1	e P	Z 07:38:11.4	77.2	35.1	0.9	163	6.2		
	e pP	Z 07:38:43.6							

	e PP	Z	07:41:07.3							
	e S	R	07:47:55.9							
FUR	e P	Z	07:38:17.9	78.4	34.9	0.9	158	6.0		
STU	e P	Z	07:38:19.1	78.7	33.7	0.9	102	5.9		
WLF	e P	Z	07:38:21.7	79.0	31.8	1.2	38	5.2		
	e pP	Z	07:38:52.3							
	e PP	Z	07:41:22.4							
BFO	e P	Z	07:38:22.9	79.4	33.1	1.5	130	5.6		
	e pP	Z	07:38:54.0							
	e PP	Z	07:41:24.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/22	09:06:52.3	7.133N	38.829W	27.9	4.9	3.7		SZGRF

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:16:52.9	59.5	241.9	0.5	6	4.9		
	e pP	Z 09:17:00.7							
	e L	Z 09:41:33.1			20.4	61		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/22	09:34:51.2	7.000S	154.700E	54.0				NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 09:53:52.0	127.5	48.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/22	18:08:32.8	36.214N	2.146E	33.0N		3.3		SZGRF

Northern Algeria

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 18:11:38.1	12.9	202.8	0.8	20			
FUR	e P	Z 18:11:51.5	13.7	212.7	0.8	54			
GRA1	e P	Z 18:12:08.0	15.0	209.5	1.0	22			
	e L	Z 18:17:05.7			18.4	208		3.3	
WET	e P	Z 18:12:08.5	15.1	215.2	1.0	8			
GEC2	e P	Z 18:12:09.4	15.2	218.1	0.9	14			
ROTZ	e P	Z 18:12:13.1	15.4	212.1	1.5	12			
MANZ	e P	Z 18:12:14.6	15.5	211.4	1.2	12			
MOX	e P	Z 18:12:21.0	16.0	208.9	1.6	23			
CLZ	e P	Z 18:12:31.0	16.7	203.7	1.2	8			
CLL	e P	Z 18:12:35.1	17.0	211.4	1.1	8			

NRDL	e P	Z	18:12:38.7	17.2	202.2	1.8	47
BSEG	e P	Z	18:12:56.0	18.6	201.1	1.4	26

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/22	22:24:37.3	16.300S	177.600W	10.0		5.0		NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 22:44:03.2	141.9	12.4					
NRDL	e PKPbc	Z 22:44:09.1	143.3	12.4					
CLZ	e PKPbc	Z 22:44:11.0	143.9	13.1					
CLL	e PKPbc	Z 22:44:10.9	144.0	17.5					
MOX	e PKPbc	Z 22:44:12.6	144.9	15.5					
MANZ	e PKPbc	Z 22:44:14.9	145.4	16.6					
ROTZ	e PKPbc	Z 22:44:15.7	145.6	16.8					
GRA1	e PKPbc	Z 22:44:17.1	145.9	15.2					
	e SS	T 23:06:30.2							
	e L	Z 23:54:28.4			19.5	247		5.0	
WET	e PKPbc	Z 22:44:16.5	146.1	18.2					
GEC2	e PKPbc	Z 22:44:17.4	146.2	19.7					
WLF	e PKPbc	Z 22:44:18.6	146.5	6.5					
FUR	e PKPbc	Z 22:44:21.2	147.3	15.9					
BFO	e PKPbc	Z 22:44:20.0	147.6	10.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23	03:14:42.5	49.114N	155.129E	37.6	5.2	4.7		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 03:26:11.2	73.2	25.3	1.1	37	5.3		
NRDL	e P	Z 03:26:16.3	74.1	23.0	1.5	21	5.0		
CLL	e P	Z 03:26:17.2	74.5	24.6	1.6	49	5.4		
BRG	e P	Z 03:26:17.7	74.7	25.2	1.5	21	5.1		
	e pP	Z 03:26:28.7							
FBE	e P	Z 03:26:19.1	74.8	24.8	1.2	22	5.2		
MOX	e P	Z 03:26:22.7	75.5	23.7	1.7	28	5.1		
	e pP	Z 03:26:33.5							
WERD	e P	Z 03:26:23.2	75.5	24.1	1.6	37	5.3		
GUNZ	e P	Z 03:26:23.6	75.5	24.1	1.7	30	5.2		
	e pP	Z 03:26:34.4							
WERN	e pP	Z 03:26:34.5	75.6	24.1					
UBBA	e pP	Z 03:26:35.8	75.7	22.7					
MANZ	e P	Z 03:26:25.6	75.9	23.9	1.6	21	5.0		
ROTZ	e P	Z 03:26:27.1	76.1	24.0	1.5	35	5.3		
	e pP	Z 03:26:37.6							

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GRA1	e P	Z	03:26:28.7	76.4	23.4	1.8	88	5.6		
	e pP	Z	03:26:39.8							
	e L	Z	04:04:21.2			18.7	380		4.7	
WET	e P	Z	03:26:28.6	76.5	24.3	1.6	45	5.4		
GEC2	e P	Z	03:26:28.7	76.6	24.8	1.6	26	5.1		
FUR	e P	Z	03:26:36.6	77.8	23.3	1.6	59	5.3		
BFO	e P	Z	03:26:39.3	78.4	21.5	1.3	17	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23	04:49:17.3	54.934N	113.167E	19.4	4.8	4.5		SZGRF
East of Lake Baykal, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:58:45.3	54.8	44.0	0.9	13	5.0		
	e pP	Z	04:58:50.8							
CLL	e P	Z	04:58:46.1	54.9	43.7	1.0	12	4.9		
	e pP	Z	04:58:51.1							
MOX	e P	Z	04:58:54.5	55.9	42.8	0.9	17	5.1		
	e pP	Z	04:58:59.6							
ROTZ	e P	Z	04:58:57.2	56.3	42.7	1.0	11	4.8		
	e pP	Z	04:59:02.8							
GEC2	e P	Z	04:58:57.8	56.4	42.9	1.0	5	4.5		
WET	e P	Z	04:58:58.4	56.5	42.7	0.9	9	4.8		
GRA1	e P	Z	04:59:00.9	56.8	42.2	1.0	8	4.7		
	e pP	Z	04:59:06.2							
	e L	Z	05:25:15.8			18.8	405		4.5	
STU	e pP	Z	04:59:17.4	58.4	40.9					
BFO	e P	Z	04:59:16.4	59.1	40.3	1.1	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23	09:17: 8.5	14.100N	91.764W	33.0G	4.9			SZGRF
Guatemala								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z	09:29:45.4	85.9	287.9	1.0	7	4.8		
MOX	e P	Z	09:29:51.9	87.4	289.2	1.7	10	4.7		
GRA1	e P	Z	09:29:52.9	87.4	288.9	2.1	52	5.5		
MANZ	e P	Z	09:29:55.4	87.9	289.6	1.0	4	4.7		
CLL	e P	Z	09:29:55.4	88.0	290.2	1.1	6	4.9		
ROTZ	e P	Z	09:29:56.0	88.0	289.7	1.3	9	4.9		
WET	e P	Z	09:29:58.9	88.6	290.2	1.1	7	4.8		
BRG	e P	Z	09:29:58.8	88.7	290.9	1.7	14	4.9		
GEC2	e P	Z	09:30:01.7	89.2	290.8	1.5	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23	11:34:25.2	20.260S	177.100W	565.3				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPbc	Z	11:52:57.7	144.8	17.1					
BSEG	e PKPdf	Z	11:52:59.5	145.9	12.5					
	e PKPbc	Z	11:53:01.0							
HLG	e PKPbc	Z	11:53:01.3	145.9	8.3					
RUE	e PKPdf	Z	11:53:01.1	146.7	18.8					
	e PKPbc	Z	11:53:03.3							
NRDL	e PKPdf	Z	11:53:02.0	147.3	12.6					
	e PKPbc	Z	11:53:05.0							
	e pPKPbc	Z	11:55:14.9							
IBBN	e PKPdf	Z	11:53:03.1	147.7	8.6					
	e PKPbc	Z	11:53:06.5							
	e PKPab	Z	11:53:10.1							
CLL	e PKPdf	Z	11:53:02.8	148.0	18.1					
	e PKPbc	Z	11:53:06.6							
	e pPKPbc	Z	11:55:17.6							
BRG	e PKPdf	Z	11:53:03.7	148.2	19.9					
	e PKPbc	Z	11:53:07.4							
	e PKPab	Z	11:53:11.8							
FBE	e PKPdf	Z	11:53:04.1	148.3	18.9					
	e PKPbc	Z	11:53:08.3							
	e PKPab	Z	11:53:12.9							
	e pPKPbc	Z	11:55:18.2							
BUG	e PKPdf	Z	11:53:04.4	148.6	7.9					
	e PKPbc	Z	11:53:08.4							
MOX	e PKPdf	Z	11:53:04.5	148.8	15.9					
	e PKPbc	Z	11:53:09.0							
WERD	e PKPdf	Z	11:53:04.7	148.9	17.3					
	e PKPbc	Z	11:53:09.2							
	e PKPab	Z	11:53:14.9							
	e pPKPbc	Z	11:55:19.0							
UBBA	e PKPdf	Z	11:53:04.6	148.9	13.0					
	e PKPbc	Z	11:53:09.3							
	e pPKPbc	Z	11:55:19.8							
GUNZ	e PKPdf	Z	11:53:04.9	149.0	17.4					
	e PKPbc	Z	11:53:09.6							
	e PKPab	Z	11:53:15.2							
WERN	e PKPdf	Z	11:53:04.9	149.0	17.5					
	e PKPbc	Z	11:53:09.9							
	e PKPab	Z	11:53:15.6							
	e pPKPbc	Z	11:55:20.3							
MANZ	e PKPdf	Z	11:53:05.4	149.4	17.1					
	e PKPbc	Z	11:53:10.6							
	e PKPab	Z	11:53:16.5							

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ROTZ	e PKPdf	Z	11:53:05.7	149.6	17.4
	e PKPbc	Z	11:53:11.1		
GRA1	e PKPbc	Z	11:53:12.0	149.8	15.7
	e PKPab	Z	11:53:19.2		
WET	e PKPdf	Z	11:53:06.4	150.0	19.0
	e PKPbc	Z	11:53:12.2		
	e PKPab	Z	11:53:19.7		
GEC2	e PKPdf	Z	11:53:06.5	150.1	20.7
	e PKPbc	Z	11:53:12.2		
WLF	e PKPdf	Z	11:53:07.9	150.5	6.2
	e PKPbc	Z	11:53:13.7		
	e PKPab	Z	11:53:22.0		
STU	e PKPdf	Z	11:53:08.4	151.0	12.3
	e PKPbc	Z	11:53:14.3		
	e PKPab	Z	11:53:23.9		
FUR	e PKPdf	Z	11:53:08.5	151.3	16.5
	e PKPbc	Z	11:53:14.7		
	e PKPab	Z	11:53:25.0		
BFO	e PKPdf	Z	11:53:08.8	151.6	10.8
	e PKPbc	Z	11:53:15.4		
	e PKPab	Z	11:53:25.9		
	e pPKPbc	Z	11:55:25.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 22:46:06.4							
BSEG	e PKPdf	Z 22:46:05.8							
CLL	e PKPdf	Z 22:46:06.7							
GEC2	e PKPdf	Z 22:46:09.2							
GRA1	e PKPdf	Z 22:46:10.2							
MANZ	e PKPdf	Z 22:46:09.2							
MOX	e PKPdf	Z 22:46:08.9							
STU	e PKPdf	Z 22:46:14.2							
WET	e PKPdf	Z 22:46:10.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/23	23:36:36.5	11.500S	165.600E	77.0				NEIC
Santa Cruz Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 23:55:46.2	133.3	34.2					
CLL	e PKPdf	Z 23:55:47.1	134.4	39.1					
WERD	e PKPdf	Z 23:55:49.0	135.3	38.8					

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WERN	e	PKPdf	Z	23:55:49.8	135.4	39.0
MANZ	e	PKPdf	Z	23:55:49.8	135.8	38.8
WET	e	PKPdf	Z	23:55:51.5	136.1	40.4
GRA1	e	PKPdf	Z	23:55:50.4	136.4	37.9
STU	e	PKPdf	Z	23:55:55.5	137.9	35.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/24	02:53:09.0	38.100N	37.400E	5.0F	4.3			NEIC
Central Turkey								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:58:11.2	21.9	111.7	0.9	20	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/24	17:22:59.4	22.290S	177.840W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 17:42:40.7	147.8	14.2					
RUE	e PKPbc	Z 17:42:42.5	148.5	20.9					
NRDL	e PKPbc	Z 17:42:44.4	149.2	14.5					
IBBN	e PKPbc	Z 17:42:45.7	149.7	10.3					
CLL	e PKPbc	Z 17:42:45.9	149.8	20.2					
BRG	e PKPab	Z 17:42:51.0							
	e PKPbc	Z 17:42:46.5	150.0	22.2					
FBE	e PKPab	Z 17:42:52.2							
	e PKPbc	Z 17:42:47.0	150.1	21.1					
BUG	e PKPab	Z 17:42:52.7							
	e PKPbc	Z 17:42:47.8	150.6	9.7					
MOX	e PKPbc	Z 17:42:48.2	150.7	18.1					
	e PKPab	Z 17:42:55.1							
WERD	e PKPbc	Z 17:42:48.6	150.7	19.5					
	e PKPab	Z 17:42:55.3							
GUNZ	e PKPbc	Z 17:42:48.7	150.8	19.6					
	e PKPab	Z 17:42:55.9							
WERN	e PKPbc	Z 17:42:49.0	150.9	19.7					
	e PKPab	Z 17:42:56.3							
MANZ	e PKPbc	Z 17:42:49.6	151.2	19.4					
	e PKPbc	Z 17:42:50.8	151.7	17.9					
GRA1	e PKPab	Z 17:42:59.8							
	e PKPbc	Z 17:42:50.9	151.8	21.4					
WET	e PKPab	Z 17:43:00.3							
	e PKPbc	Z 17:42:52.9	152.4	8.0					
WLF	e PKPbc	Z 17:42:52.9	152.4	8.0					
FUR	e PKPab	Z 17:43:05.7	153.1	18.9					
BFO	e PKPbc	Z 17:42:54.6	153.5	12.9					

e PKPab Z 17:43:06.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/24	23:45:58.3	2.500S	36.300E	300.0G	5.0			EMSC

Tanzania

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:55:36.5	56.5	149.5	2.0	30	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 02:23:42.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	03:55: 8.5	43.350N	17.541E	10.0G			3.8	SZGRF

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ARSA	e Pn	Z 03:56:10.9	4.2	159.3					3.5
	e Sn	N 03:56:57.4							
KBA	e Pn	Z 03:56:20.4	4.8	140.1					3.7
	e Sn	N 03:57:12.5							
MOA	e Pn	N 03:56:24.1	5.0	151.8					
	e Sn	N 03:57:21.8							3.9
WTTA	e Sn	N 03:57:37.5	5.7	131.2					
GEC2	e Pn	Z 03:56:38.0	6.1	152.7					
WET	e Pn	Z 03:56:45.6	6.6	149.2					
MANZ	e Pn	N 03:56:58.7	7.6	148.7					
GRA1	e Pn	Z 03:56:59.8	7.7	143.2					
MOX	e Pn	Z 03:57:08.7	8.3	148.8					
	e Sn	N 03:58:37.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	04:24:24.7	27.530N	55.950E	33.0N	4.9	4.2		SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 04:31:46.5	38.7	107.7	1.7	60	5.0		
	e L	Z 04:50:35.7			21.2	381		4.2	

BRG	e P	Z	04:31:50.0	39.3	110.3	0.8	10	4.5		
	e L	Z	04:52:22.3			21.8	302		4.1	
WET	e P	Z	04:31:51.1	39.3	107.2	1.6	42	4.8		
	e L	Z	04:50:54.8			21.2	399		4.2	
CLL	e P	Z	04:31:56.3	40.0	109.8	1.6	47	4.9		
	e L	Z	04:53:13.0			19.8	295		4.1	
MANZ	e L	Z	04:52:13.6	40.1	107.4	20.5	355		4.2	
FUR	e P	Z	04:31:57.7	40.1	104.5	1.6	72	5.1		
	e L	Z	04:51:16.7			20.3	371		4.2	
GRA1	e P	Z	04:32:01.8	40.5	106.2	1.2	49	5.1		
	e L	Z	04:53:49.3			20.4	278		4.1	
MOX	e L	Z	04:50:59.5	40.6	107.7	21.4	311		4.1	
RGN	e L	Z	04:52:10.2	41.0	113.7	21.3	320		4.2	
STU	e L	Z	04:52:12.4	41.6	103.3	19.3	374		4.3	
UBBA	e P	Z	04:32:10.3	41.6	106.3	1.8	33	4.8		
	e L	Z	04:53:47.1			20.2	327		4.2	
NRDL	e P	Z	04:32:14.0	42.0	108.2	1.2	31	4.9		
	e L	Z	04:50:46.7			21.6	286		4.1	
BFO	e L	Z	04:53:51.3	42.0	102.0	20.2	279		4.1	
BSEG	e P	Z	04:32:16.0	42.4	109.9	1.2	14	4.6		
	e L	Z	04:54:32.6			19.8	372		4.3	
IBBN	e P	Z	04:32:24.6	43.3	105.6	1.2	30	4.9		
	e L	Z	04:53:00.2			20.9	244		4.1	
BUG	e P	Z	04:32:25.5	43.4	104.3	1.4	52	5.1		
	e L	Z	04:53:37.9			20.2	145		3.9	
WLF	e P	Z	04:32:26.2	43.7	101.4	1.5	41	4.9		
	e L	Z	04:52:53.8			22.0	310		4.2	
HLG	e L	Z	04:55:28.4	43.8	107.7	19.9	356		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	12:57: 1.6	40.609N	143.533E	33.0N	4.8			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:09:10.5	80.5	34.7	1.1	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	16:30: 1.8	22.170S	171.730E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 16:49:35.6	145.3	31.2					
BRG	e PKPbc	Z 16:49:39.4	146.5	39.4					
CLL	e PKPbc	Z 16:49:39.2	146.5	37.5					
FBE	e PKPbc	Z 16:49:40.1	146.7	38.4					

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WERD	e	PKPbc	Z	16:49:42.3	147.5	37.2
GUNZ	e	PKPbc	Z	16:49:42.6	147.5	37.4
WERN	e	PKPbc	Z	16:49:42.7	147.6	37.5
MANZ	e	PKPbc	Z	16:49:43.5	147.9	37.4
UBBA	e	PKPbc	Z	16:49:43.5	148.0	33.2
WET	e	PKPbc	Z	16:49:44.5	148.3	39.4
GRA1	e	PKPbc	Z	16:49:44.1	148.5	36.2
STU	e	PKPbc	Z	16:49:48.8	150.0	33.8
WLF	e	PKPbc	Z	16:49:50.1	150.2	27.7
BFO	e	PKPbc	Z	16:49:51.3	150.7	32.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	17:03:3.4	14.334N	94.395E	33.0N	5.3			SZGRF
Andaman Islands, India, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 17:14:29.3	72.9	88.1	1.0	21	5.2		
FBE	e P	Z 17:14:32.0	73.3	87.7	1.0	42	5.5		
WET	e P	Z 17:14:34.0	73.7	86.8	1.2	28	5.2		
WERN	e P	Z 17:14:35.6	74.0	86.7	2.2	84	5.4		
GUNZ	e P	Z 17:14:35.6	74.0	86.7	1.3	28	5.1		
WERD	e P	Z 17:14:35.5	74.0	86.7	2.2	86	5.4		
MANZ	e P	Z 17:14:36.9	74.1	86.4	1.3	32	5.2		
MOX	e P	Z 17:14:38.1	74.4	86.3	1.2	26	5.1		
GRA1	e P	Z 17:14:40.4	74.7	85.7	1.1	40	5.3		
NRDL	e P	Z 17:14:43.2	75.2	85.6	1.6	72	5.4		
IBBN	e P	Z 17:14:51.1	76.7	83.7	1.3	66	5.6		
BUG	e P	Z 17:14:53.3	77.1	83.1	1.1	24	5.2		
WLF	e P	Z 17:14:59.1	78.0	81.9	1.6	48	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	17:13:56.2	47.886N	152.206E	33.0N	5.0			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 17:25:24.1	73.2	25.6	1.1	14	4.9		
RUE	e P	Z 17:25:26.1	73.6	27.6	0.7	22	5.3		
NRDL	e P	Z 17:25:31.7	74.6	25.3	0.9	9	4.8		
CLL	e P	Z 17:25:32.8	74.8	27.0	0.8	19	5.2		
BRG	e P	Z 17:25:33.6	74.9	27.5	1.5	10	4.6		
IBBN	e P	Z 17:25:36.2	75.3	23.8	1.2	22	5.2		
WERD	e P	Z 17:25:38.9	75.8	26.5	1.1	9	4.8		
MOX	e P	Z 17:25:38.9	75.8	26.0	1.0	13	5.0		
GUNZ	e P	Z 17:25:39.3	75.9	26.5	0.9	9	4.9		
WERN	e P	Z 17:25:39.7	75.9	26.5	0.9	9	4.9		

UBBA	e P	Z	17:25:40.3	76.1	25.0	1.0	6	4.7
BUG	e P	Z	17:25:41.2	76.2	23.4	1.1	15	5.0
MANZ	e P	Z	17:25:41.5	76.3	26.3	1.0	7	4.8
GRA1	e P	Z	17:25:44.9	76.8	25.7	0.8	23	5.3
WET	e P	Z	17:25:44.8	76.8	26.7	1.0	16	5.1
FUR	e P	Z	17:25:52.1	78.1	25.6	1.0	20	5.2
STU	e P	Z	17:25:52.1	78.2	24.3	0.9	14	5.0
BFO	e P	Z	17:25:55.4	78.8	23.8	1.0	13	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	22:05:52.2	38.065N	40.063E	33.0N	5.2	4.3		SZGRF
Turkey								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z	22:10:45.7	22.4	109.4	1.2	40	4.7		
	e L	Z	22:20:29.7			21.2	1109		4.3	
BRG	e P	Z	22:10:45.0	22.4	114.7	1.3	51	4.8		
	e L	Z	22:19:55.9			21.5	1373		4.3	
FBE	e P	Z	22:10:49.8	22.8	114.0	1.1	39	4.8		
WERN	e P	Z	22:10:54.1	23.1	111.3	1.0	86	5.2		
FUR	e P	Z	22:10:56.3	23.1	105.2	1.1	195	5.5		
	e L	Z	22:20:56.6			21.1	1115		4.3	
CLL	e P	Z	22:10:54.2	23.1	114.3	1.1	98	5.2		
	e L	Z	22:20:40.5			21.1	1073		4.3	
MANZ	e P	Z	22:10:56.4	23.2	110.3					
	e L	Z	22:21:04.0			21.8	1167		4.3	
RUE	e P	Z	22:10:53.1	23.2	117.9	1.3	100	5.2		
	e L	Z	22:21:51.3			18.5	861		4.2	
GRA1	e P	Z	22:11:00.7	23.6	108.5	1.1	320	5.8		
	e S	R	22:15:20.0							
	e L	Z	22:21:17.8			20.6	840		4.2	
GRFO	e L	Z	22:21:17.8	23.6	108.5	20.7	799		4.2	
MOX	e L	Z	22:25:56.3	23.7	111.0	19.8	940		4.3	
RGN	e L	Z	22:23:50.2	24.5	121.3	19.3	1850		4.6	
STU	e P	Z	22:11:09.4	24.6	104.2	1.7	169	5.5		
	e L	Z	22:25:10.9			18.5	880		4.3	
UBBA	e L	Z	22:23:21.3	24.7	109.4	20.8	803		4.2	
BFO	e L	Z	22:21:44.2	25.1	102.3	21.6	824		4.2	
NRDL	e L	Z	22:23:15.2	25.3	112.9	21.8	665		4.1	
BSEG	e P	Z	22:11:19.0	25.7	115.9	1.2	88	5.3		
	e L	Z	22:23:03.1			19.0	757		4.2	
IBBN	e L	Z	22:23:04.6	26.5	109.6	20.8	855		4.3	
BUG	e P	Z	22:11:26.7	26.5	107.3	1.1	33	5.0		
	e L	Z	22:24:26.3			21.5	811		4.2	
WLF	e P	Z	22:11:27.6	26.8	102.7	1.1	30	4.9		
	e L	Z	22:27:29.9			18.8	911		4.4	
HLG	e L	Z	22:26:27.9	27.1	113.2	19.1	770		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/25	22:44:39.5	52.530N	32.150W	33.0N	4.7			SZGRF

Reykjanes Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	22:49:51.3	23.9	291.7	1.1	16	4.5		
BUG	e P	Z	22:49:52.0	24.0	288.2	2.2	100	5.0		
IBBN	e P	Z	22:49:52.5	24.0	286.6	1.2	58	5.0		
BSEG	e P	Z	22:50:02.9	25.1	284.3	1.2	43	5.1		
NRDL	e P	Z	22:50:05.0	25.3	287.1	1.3	39	5.0		
BFO	e P	Z	22:50:08.7	25.8	294.7	1.1	12	4.4		
UBBA	e P	Z	22:50:10.1	25.8	290.4	1.5	14	4.4		
STU	e P	Z	22:50:11.8	26.1	294.1	1.0	31	4.9		
MOX	e P	Z	22:50:18.2	26.8	291.2	0.9	8	4.5		
GRFO	e P	Z	22:50:20.0	27.0	292.9	1.3	22	4.7		
GRA1	e P	Z	22:50:20.0	27.0	292.9	1.3	23	4.8		
WERD	e P	Z	22:50:22.5	27.3	291.8	1.2	15	4.6		
GUNZ	e P	Z	22:50:23.0	27.4	292.0	1.1	9	4.4		
MANZ	e P	Z	22:50:23.1	27.4	292.6	2.2	31	4.6		
CLL	e P	Z	22:50:23.5	27.4	290.5	0.8	14	4.8		
RUE	e P	Z	22:50:24.0	27.5	288.7	1.6	35	4.9		
FUR	e P	Z	22:50:25.8	27.6	295.6	1.0	38	5.2		
FBE	e P	Z	22:50:26.7	27.8	291.3	0.9	16	4.9		
BRG	e P	Z	22:50:29.7	28.1	291.6	1.0	11	4.7		
WET	e P	Z	22:50:30.2	28.2	294.3	1.4	9	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/26	05:31: 7.5	43.970N	147.570E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	05:42:42.5	74.1	32.4	1.4	287	6.1		
BSEG	e P	Z	05:42:50.8	75.5	30.3	1.5	178	6.0		
RUE	e P	Z	05:42:51.4	75.7	32.4	1.8	265	6.1		
NRDL	e P	Z	05:42:58.1	76.8	30.0	1.0	44	5.5		
CLL	e P	Z	05:42:58.3	76.9	31.8	0.7	70	5.9		
BRG	e P	Z	05:42:58.7	77.0	32.3	1.0	27	5.3		
FBE	e P	Z	05:42:59.8	77.1	31.9	0.7	40	5.7		
IBBN	e P	Z	05:43:03.0	77.7	28.4	0.6	63	5.9		
WERD	e P	Z	05:43:03.9	77.9	31.2	0.7	22	5.4		
MOX	e P	Z	05:43:04.2	77.9	30.8	0.7	27	5.5		
GUNZ	e P	Z	05:43:04.3	78.0	31.2	0.6	33	5.6		
WERN	e P	Z	05:43:04.8	78.0	31.2	0.5	45	5.8		
MANZ	e P	Z	05:43:06.5	78.4	31.0	0.8	20	5.2		

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BUG	e P	Z	05:43:07.8	78.6	28.0	0.9	37	5.4
WET	e P	Z	05:43:09.4	78.8	31.4	1.0	42	5.4
GRA1	e P	Z	05:43:09.8	78.9	30.4	0.9	69	5.7
FUR	e P	Z	05:43:16.8	80.2	30.3	0.9	64	5.6
STU	e P	Z	05:43:17.4	80.4	29.0	0.8	50	5.6
BFO	e P	Z	05:43:20.7	81.0	28.4	0.8	25	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/26	11:30:59.4	30.766N	88.866E	33.0N	4.9			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:40:59.0	59.4	77.2	1.5	20	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/26	12:37:30.4	18.630S	174.560W	133.1				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 12:56:51.3	145.5	14.1					
NRDL	e PKPbc	Z 12:56:52.9	145.9	7.9					
IBBN	e PKPbc	Z 12:56:54.2	146.3	4.0					
CLL	e PKPbc	Z 12:56:55.7	146.8	13.2					
BRG	e PKPbc	Z 12:56:57.0	147.1	14.9					
	e pPKPbc	Z 12:57:32.2							
FBE	e PKPbc	Z 12:56:57.2	147.1	13.9					
BUG	e PKPbc	Z 12:56:56.8	147.2	3.2					
MOX	e PKPdf	Z 12:56:56.9	147.6	11.0					
	e PKPbc	Z 12:56:58.6							
	e pPKPbc	Z 12:57:34.1							
WERD	e PKPdf	Z 12:56:57.2	147.7	12.2					
	e PKPbc	Z 12:56:59.2							
GUNZ	e PKPdf	Z 12:56:57.4	147.8	12.3					
	e PKPbc	Z 12:56:59.4							
WERN	e PKPdf	Z 12:56:57.8	147.9	12.4					
MANZ	e PKPdf	Z 12:56:58.1	148.2	12.0					
	e PKPbc	Z 12:57:00.5							
GRA1	e PKPdf	Z 12:56:58.8	148.6	10.6					
	e PKPbc	Z 12:57:01.7							
WET	e PKPdf	Z 12:56:59.2	148.9	13.7					
	e PKPbc	Z 12:57:02.4							
WLF	e PKPbc	Z 12:57:02.8	149.0	1.3					
STU	e PKPdf	Z 12:57:00.5	149.7	7.1					
	e PKPbc	Z 12:57:04.4							
FUR	e PKPbc	Z 12:57:05.4	150.1	11.1					

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BFO e PKPdf Z 12:57:00.9 150.2 5.5
e PKPbc Z 12:57:05.7

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/26 13:47: 5.8 9.800S 154.100E 35.0
D'Entrecasteaux Islands, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 14:06:08.4	127.6	52.8					
CLL	e PKPdf	Z 14:06:08.2	127.8	51.5					
FBE	e PKPdf	Z 14:06:09.1	127.8	52.1					
WERD	e PKPdf	Z 14:06:10.5	128.6	51.3					
GUNZ	e PKPdf	Z 14:06:10.6	128.7	51.4					
MOX	e PKPdf	Z 14:06:10.8	128.8	50.4					
MANZ	e PKPdf	Z 14:06:11.3	129.0	51.4					
WET	e PKPdf	Z 14:06:11.5	129.1	52.7					
UBBA	e PKPdf	Z 14:06:12.2	129.5	48.5					
GRA1	e PKPdf	Z 14:06:12.4	129.6	50.6					
BUG	e PKPdf	Z 14:06:13.6	130.3	45.0					
WLF	e PKPdf	Z 14:06:17.8	132.1	44.8					

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/26 14:52:28.7 36.107N 70.548E 33.0N 4.9
Hindu Kush, Afghanistan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:00:35.4	44.3	84.5	0.5	13	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/26 17:58:22.0 8.200S 74.300W 147.0 5.5
Peru-Brazil border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:11:20.4	93.4	261.3	2.2	45	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
2007/08/27 00:59:32.4 48.286N 154.014E 33.0N 4.9
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:11:21.9	76.9	24.4	1.1	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	03:21:20.5	25.300N	141.000E	241.0	4.9			NEIC

Volcano Islands, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:34:07.0	92.8	44.1	0.8	4	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	05:37:0.5	26.980S	180.720W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 05:56:46.0	151.8	21.2					
	e PKPbc	Z 05:56:52.1							
RUE	e PKPbc	Z 05:56:53.3	152.3	28.7					
NRDL	e PKPbc	Z 05:56:55.0	153.2	21.8					
CLL	e PKPdf	Z 05:56:48.5	153.5	28.3					
	e PKPbc	Z 05:56:55.8							
	e PKPab	Z 05:57:08.7							
BRG	e PKPdf	Z 05:56:48.7	153.6	30.5					
	e PKPbc	Z 05:56:56.3							
FBE	e PKPdf	Z 05:56:49.1	153.8	29.4					
	e PKPbc	Z 05:56:56.7							
	e PKPab	Z 05:57:10.1							
IBBN	e PKPab	Z 05:57:09.8	153.9	17.4					
WERD	e PKPdf	Z 05:56:49.9	154.5	27.8					
	e PKPab	Z 05:57:13.0							
MOX	e PKPab	Z 05:57:12.9	154.5	26.3					
GUNZ	e PKPdf	Z 05:56:50.2	154.6	28.0					
	e PKPab	Z 05:57:13.6							
WERN	e PKPdf	Z 05:56:50.3	154.6	28.1					
	e PKPab	Z 05:57:13.9							
MANZ	e PKPdf	Z 05:56:50.5	155.0	27.9					
	e PKPbc	Z 05:56:59.1							
GEC2	e PKPdf	Z 05:56:51.1	155.4	32.3					
	e PKPab	Z 05:57:17.3							
WET	e PKPdf	Z 05:56:51.4	155.5	30.3					
	e PKPab	Z 05:57:17.7							
GRA1	e PKPab	Z 05:57:17.8	155.5	26.4					
WLF	e PKPab	Z 05:57:22.1	156.7	15.6					
FUR	e PKPab	Z 05:57:23.7	156.8	28.1					
BFO	e PKPab	Z 05:57:25.5	157.5	21.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	06:29:12.8	38.889N	20.082E	10.0G		3.3	4.6	SZGRF

Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	06:31:48.0	11.0	152.9					
	e L	Z	06:36:40.2			19.3	313		3.2	
FUR	e Pn	Z	06:31:52.3	11.2	142.3					
	e L	Z	06:37:33.0			19.0	487		3.5	
WET	e Pn	Z	06:31:54.7	11.5	150.6					
	e L	Z	06:37:59.0			18.2	451		3.5	
MANZ	e Pn	Z	06:32:07.5	12.5	150.0					
	e L	Z	06:37:34.9			19.6	311		3.3	
GRA1	e Pn	Z	06:32:09.0	12.5	146.4					
	e L	Z	06:38:45.0			18.4	484		3.5	
STU	e L	Z	06:39:09.2	12.6	137.6	18.3	273		3.3	
BFO	e L	Z	06:37:27.0	12.7	133.8	21.0	183		3.1	
BRG	e Pn	Z	06:32:12.3	12.7	157.8					
	e L	Z	06:37:22.1			21.6	149		3.0	
MOX	e Pn	Z	06:32:18.6	13.2	149.8					
	e L	Z	06:38:07.5			19.2	330		3.4	
CLL	e L	Z	06:38:07.3	13.4	155.5	20.8	164		3.1	
UBBA	e L	Z	06:39:34.2	13.9	145.4	20.4	322		3.4	
RUE	e L	Z	06:38:24.8	14.3	159.7	19.2	110		3.0	
WLF	e L	Z	06:39:31.7	14.6	132.1	21.3	259		3.3	
NRDL	e L	Z	06:39:21.7	15.3	149.2	19.4	315		3.5	
BUG	e L	Z	06:40:01.6	15.4	139.5	21.6	243		3.3	
IBBN	e L	Z	06:40:16.6	15.9	142.7	19.7	236		3.4	
RGN	e L	Z	06:41:05.3	16.3	161.0	18.5	394		3.6	
BSEG	e L	Z	06:40:11.0	16.4	152.2	19.6	190		3.3	
HLG	e L	Z	06:41:58.0	17.4	146.6	18.9	318		3.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	10:09:37.5	56.360N	110.260E	33.0N	4.8			SZGRF

Lake Baykal, Russia, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	10:18:51.2	52.6	43.9	0.8	10	4.8		
CLL	e P	Z	10:18:51.6	52.7	43.7	1.1	9	4.6		
FBE	e P	Z	10:18:52.8	52.8	43.6	0.8	8	4.7		
NRDL	e P	Z	10:18:55.1	53.1	43.0	1.1	15	4.8		
WERN	e P	Z	10:18:59.7	53.7	42.9	0.8	9	4.9		
MOX	e P	Z	10:19:00.2	53.8	42.8	0.7	12	5.0		
MANZ	e P	Z	10:19:02.0	54.0	42.6	1.2	4	4.4		
IBBN	e P	Z	10:19:02.8	54.2	41.8	1.1	22	5.1		
GEC2	e P	Z	10:19:02.8	54.2	42.7	1.1	7	4.6		

WET	e P	Z	10:19:04.2	54.3	42.6	1.2	10	4.7
UBBA	e P	Z	10:19:03.7	54.3	42.1	1.9	25	4.9
GRA1	e P	Z	10:19:06.8	54.6	42.1	1.5	29	5.1
BFO	e P	Z	10:19:22.4	56.9	40.3	1.5	17	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	17:12: 7.8	16.327S	171.647W	33.0N		5.6		SZGRF

Samoa Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e L	Z	18:23:57.3	141.6	7.7	22.0	468		5.2	
HLG	e L	Z	18:23:39.3	142.1	359.3	18.7	715		5.5	
BSEG	e L	Z	18:24:27.8	142.4	3.1	20.0	771		5.5	
RUE	e L	Z	18:25:13.6	143.6	8.8	21.1	1121		5.6	
NRDL	e L	Z	18:23:33.1	143.8	2.9	21.3	732		5.4	
IBBN	e L	Z	18:22:48.0	144.0	359.0	21.2	1096		5.6	
CLL	e PKPbc	Z	17:31:39.1	144.8	7.8					
	e L	Z	18:24:50.4			21.4	937		5.5	
BUG	e PKPbc	Z	17:31:39.7	144.9	358.2					
	e L	Z	18:22:42.1			19.7	1422		5.7	
BRG	e PKPbc	Z	17:31:40.7	145.2	9.4					
	e L	Z	18:25:49.3			18.2	1195		5.7	
FBE	e PKPbc	Z	17:31:41.0	145.2	8.4					
UBBA	e PKPbc	Z	17:31:41.5	145.5	2.8					
	e L	Z	18:23:47.4			21.0	1023		5.6	
MOX	e PKPbc	Z	17:31:42.0	145.6	5.5					
	e L	Z	18:24:19.6			22.0	1122		5.6	
WERD	e PKPbc	Z	17:31:42.5	145.7	6.7					
GUNZ	e PKPbc	Z	17:31:42.9	145.8	6.8					
WERN	e PKPbc	Z	17:31:43.0	145.9	6.9					
MANZ	e PKPdf	Z	17:31:41.5	146.2	6.5					
	e PKPbc	Z	17:31:44.1							
	e L	Z	18:24:33.9			21.2	1163		5.6	
GRA1	e PKPdf	Z	17:31:42.4	146.6	5.0					
	e PKPbc	Z	17:31:45.3							
	e L	Z	18:24:29.2			20.7	1141		5.6	
GRFO	e PKPdf	Z	17:31:42.3	146.6	5.0					
	e PKPbc	Z	17:31:45.2							
	e L	Z	18:24:29.2			20.7	1100		5.6	
WLF	e PKPbc	Z	17:31:45.8	146.6	356.2					
	e L	Z	18:22:43.3			19.5	1668		5.8	
WET	e PKPdf	Z	17:31:42.6	147.0	8.0					
	e PKPbc	Z	17:31:46.1							
	e L	Z	18:24:55.6			21.9	1118		5.6	
GEC2	e PKPdf	Z	17:31:42.9	147.2	9.5					
	e PKPbc	Z	17:31:46.6							
	e L	Z	18:25:33.6			21.4	1194		5.6	

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STU	e PKPbc	Z	17:31:47.8	147.5	1.5						
	e L	Z	18:23:59.2			20.0	1550	5.8			
BFO	e PKPdf	Z	17:31:44.1	148.0	360.0						
	e PKPbc	Z	17:31:48.9								
	e L	Z	18:23:12.4			20.1	680	5.4			
FUR	e PKPbc	Z	17:31:49.1	148.1	5.3						
	e L	Z	18:24:34.6			20.2	986	5.6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	18:09:36.8	50.100N	28.300W	10.0G	4.9			GSRC

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:15:04.5	25.3	285.4	1.2	32	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	22:20:50.2			N				SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 22:38:57.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/27	22:23:40.1	19.353N	145.861E	33.0N				SZGRF

Mariana Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 22:41:28.5	100.1	43.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	01:16:4.5	48.910N	155.200E	167.6	5.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 01:27:18.0	73.0	23.3	1.5	82	5.7		
	e PcP	Z 01:27:26.9							
RUE	e P	Z 01:27:20.0	73.5	25.3	1.4	102	5.8		
	e PcP	Z 01:27:29.1							
NRDL	e P	Z 01:27:25.4	74.4	23.0	1.3	36	5.3		
	e pP	Z 01:28:03.7							
	e S	R 01:36:46.7							

CLL	e P	Z	01:27:27.1	74.7	24.7	1.8	109	5.6
	e S	R	01:36:50.8					
BRG	e P	Z	01:27:28.1	74.9	25.2	1.4	39	5.2
CLZ	e P	Z	01:27:29.0	74.9	23.1	1.3	96	5.7
	e pP	Z	01:28:08.6					
FBE	e P	Z	01:27:28.9	75.0	24.9	1.5	74	5.5
IBBN	e P	Z	01:27:29.8	75.1	21.5	1.2	126	5.8
	e PcP	Z	01:27:36.8					
MOX	e P	Z	01:27:33.1	75.7	23.7	1.5	50	5.3
WERD	e P	Z	01:27:33.2	75.7	24.2	1.6	72	5.5
GUNZ	e P	Z	01:27:33.7	75.8	24.2	1.1	48	5.4
	e PcP	Z	01:27:40.6					
WERN	e P	Z	01:27:34.0	75.8	24.2	1.0	52	5.5
	e PcP	Z	01:27:40.7					
UBBA	e P	Z	01:27:34.4	75.9	22.8	1.8	89	5.5
BUG	e P	Z	01:27:34.8	76.0	21.1	1.5	71	5.5
	e pP	Z	01:28:15.0					
MANZ	e P	Z	01:27:36.1	76.2	24.0	1.5	46	5.3
	e PcP	Z	01:27:41.7					
GRA1	e P	Z	01:27:39.2	76.7	23.4	1.4	94	5.7
	e PcP	Z	01:27:44.9					
	e S	R	01:37:11.0					
WET	e P	Z	01:27:39.6	76.7	24.4	1.0	28	5.3
GEC2	e P	Z	01:27:39.4	76.8	24.9	1.4	31	5.2
TNS	e P	Z	01:27:39.9	76.8	21.7	1.2	41	5.4
	e PcP	Z	01:27:45.6					
	e pP	Z	01:28:21.7					
WLF	e P	Z	01:27:46.3	77.9	20.2	1.4	52	5.5
STU	e P	Z	01:27:46.5	78.0	22.1	1.3	86	5.7
	e PcP	Z	01:27:50.8					
	e S	Z	01:37:25.3					
FUR	e P	Z	01:27:46.8	78.0	23.3	1.0	124	6.0
	e PcP	Z	01:27:51.7					
BFO	e P	Z	01:27:49.7	78.6	21.5	1.2	53	5.5
	e pP	Z	01:28:28.2					

Date
2007/08/28

Origin Time

Lat

Long

Depth

mb

Ms

ML

Source

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 03:14:10.3							
CLL	e PKP	Z 03:14:09.8							
FBE	e PKP	Z 03:14:10.7							
GRA1	e PKP	Z 03:14:05.4							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	08:30:11.8	28.006N	56.461E	33.0N	4.4			SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:37:48.0	40.5	105.2	0.9	7	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	09:05:33.2	37.777N	21.735E	12.0G		3.2		THE

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 09:08:25.2	12.5	149.3					
WET	e P	Z 09:08:34.2	13.0	147.4					
MANZ	e P	Z 09:08:47.4	14.0	146.9					
GRA1	e P	Z 09:08:47.8	14.1	143.7					
	e L	Z 09:15:17.5			21.1	204		3.2	
STU	e P	Z 09:08:51.0	14.3	135.8					
BFO	e P	Z 09:08:51.5	14.4	132.4					
MOX	e P	Z 09:08:55.3	14.7	146.9					
TNS	e P	Z 09:09:07.3	15.6	137.6					
BSEG	e P	Z 09:09:32.4	18.0	149.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	09:30:34.4	28.380N	56.227E	10.0G	4.8	3.6		SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 09:37:55.6	38.3	106.4	0.9	16	4.9		
BRG	e P	Z 09:37:58.5	38.8	109.1	0.9	11	4.8		
WET	e P	Z 09:38:00.1	38.9	106.0	0.9	11	4.8		
CLL	e P	Z 09:38:05.4	39.5	108.6	1.0	21	4.9		
MANZ	e P	Z 09:38:06.6	39.6	106.2	0.8	4	4.3		
GRA1	e P	Z 09:38:10.5	40.1	105.0	1.1	48	5.1		
	e L	Z 09:58:38.9			21.5	96		3.6	
MOX	e P	Z 09:38:10.3	40.1	106.5	1.2	9	4.4		
NRDL	e P	Z 09:38:23.0	41.6	107.0	1.2	30	4.9		
BSEG	e P	Z 09:38:24.9	41.9	108.8	1.3	22	4.7		
TNS	e P	Z 09:38:26.2	42.0	103.0	1.2	33	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	10:57: 0.7	46.544N	149.925E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z	11:08:38.7	75.2	27.3	1.4	12	4.8		
CLL	e P	Z	11:08:40.3	75.4	29.0	0.8	11	5.0		
MOX	e P	Z	11:08:44.3	76.4	28.1	0.6	2	4.5		
GEC2	e P	Z	11:08:50.7	77.3	29.2	0.7	4	4.6		
WET	e P	Z	11:08:52.4	77.3	28.7	1.1	11	4.9		
GRA1	e P	Z	11:08:52.5	77.3	27.7	0.6	8	5.0		
TNS	e P	Z	11:08:53.8	77.7	26.0	0.7	5	4.8		
BFO	e P	Z	11:09:02.3	79.4	25.8	0.9	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	18:24:18.9	29.619N	42.753W	33.0N	4.4			SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:32:31.1	45.0	264.3	1.2	6	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	19:55:17.8	34.210N	33.370E	33.0N	4.5	2.9		SZGRF

Cyprus region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	19:59:54.8	20.6	127.9	1.3	23	4.4		
WET	e P	Z	20:00:01.7	21.3	127.0	0.8	43	4.9		
BRG	e P	Z	20:00:07.1	21.8	132.3	1.1	16	4.4		
FBE	e P	Z	20:00:12.9	22.1	131.3	1.5	29	4.5		
MANZ	e P	Z	20:00:11.2	22.2	127.3	0.9	34	4.8		
WERN	e P	Z	20:00:12.4	22.2	128.4	0.9	13	4.3		
GUNZ	e P	Z	20:00:13.3	22.3	128.5	0.9	23	4.6		
WERD	e P	Z	20:00:14.7	22.3	128.6	0.9	18	4.5		
GRA1	e P	Z	20:00:15.1	22.4	125.3	0.9	11	4.3		
	e L	Z	20:08:57.6			20.2	48		2.9	
CLL	e P	Z	20:00:16.1	22.6	131.4	0.8	8	4.3		
MOX	e P	Z	20:00:18.1	22.8	127.8	1.1	20	4.6		
BFO	e P	Z	20:00:24.2	23.3	118.0	0.9	16	4.6		
UBBA	e P	Z	20:00:27.4	23.7	125.4	0.9	6	4.1		
CLZ	e P	Z	20:00:31.1	24.2	127.9	0.8	19	4.7		
TNS	e P	Z	20:00:32.3	24.2	121.9	1.4	16	4.4		
NRDL	e P	Z	20:00:36.6	24.7	128.6	1.2	8	4.3		
BUG	e P	Z	20:00:44.4	25.5	122.3	0.9	8	4.4		
BSEG	e P	Z	20:00:43.2	25.5	131.3	1.0	13	4.5		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/28	22:16:42.9	51.938N	179.285W	33.0N	4.8			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:28:38.3	78.0	6.6	1.5	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/29	01:15:39.2	22.944N	120.896E	31.4	5.3			SZGRF

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 01:27:54.9	81.7	62.8	1.1	42	5.5		
	e pP	Z 01:28:04.0							
BRG	e P	Z 01:27:57.9	82.4	62.7	1.2	27	5.2		
FBE	e P	Z 01:27:59.7	82.7	62.3	1.1	47	5.6		
CLL	e P	Z 01:27:59.4	82.7	62.1	1.0	33	5.5		
	e pP	Z 01:28:08.6							
BSEG	e P	Z 01:28:00.6	82.8	60.3	1.1	24	5.3		
GEC2	e P	Z 01:28:03.5	83.4	62.3	1.0	30	5.5		
	e pP	Z 01:28:12.8							
WERD	e P	Z 01:28:03.8	83.5	61.5	1.2	22	5.3		
GUNZ	e P	Z 01:28:03.9	83.5	61.5	1.0	28	5.4		
WERN	e P	Z 01:28:03.8	83.5	61.5	1.0	23	5.3		
NRDL	e P	Z 01:28:05.0	83.7	60.0	1.3	32	5.4		
MOX	e P	Z 01:28:05.1	83.8	61.0	1.2	23	5.3		
	e pP	Z 01:28:14.3							
WET	e P	Z 01:28:05.5	83.8	61.8	1.5	30	5.3		
MANZ	e P	Z 01:28:05.2	83.8	61.3	1.1	14	5.1		
CLZ	e P	Z 01:28:05.9	83.9	60.2	1.1	37	5.5		
GRA1	e P	Z 01:28:09.1	84.4	60.6	1.4	32	5.3		
	e pP	Z 01:28:18.0							
UBBA	e P	Z 01:28:09.3	84.6	59.8	1.5	21	5.1		
IBBN	e P	Z 01:28:11.5	85.0	58.2	1.1	39	5.5		
FUR	e P	Z 01:28:12.6	85.2	60.5	1.5	37	5.4		
TNS	e P	Z 01:28:14.9	85.7	58.6	1.7	20	5.0		
WLF	e P	Z 01:28:22.8	87.3	56.9	1.2	34	5.4		
	e pP	Z 01:28:31.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/29	03:00:17.4	21.670N	121.960E	29.9	6.0	5.3		SZGRF

Taiwan region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 03:12:45.3	84.0	62.7	1.6	193	6.1		

CLL	e P	Z	03:12:45.8	84.3	62.0					
	e P	Z	03:12:46.5			1.4	173	6.1		
	e pP	Z	03:12:55.1							
BSEG	e P	Z	03:12:47.9	84.5	60.2	1.4	149	6.0		
GEC2	e P	Z	03:12:50.7	85.0	62.4	1.1	113	6.0		
NRDL	e P	Z	03:12:52.3	85.3	59.9	1.5	214	6.2		
	e pP	Z	03:13:00.6							
MOX	e P	Z	03:12:52.3	85.4	61.0	1.6	165	5.9		
WET	e P	Z	03:12:52.7	85.4	61.8	1.6	142	5.9		
	e pP	Z	03:13:00.9							
MANZ	e P	Z	03:12:52.9	85.4	61.3	1.5	124	5.8		
CLZ	e P	Z	03:12:53.2	85.5	60.1	1.4	220	6.1		
GRA1	e P	Z	03:12:56.2	86.1	60.6	1.6	214	6.0		
	e S	R	03:23:26.5							
	e L	Z	03:56:22.1			19.0	1120		5.3	
UBBA	e P	Z	03:12:56.3	86.2	59.7	1.6	141	5.9		
	e pP	Z	03:13:05.4							
IBBN	e P	Z	03:12:58.7	86.6	58.1	1.4	219	6.1		
FUR	e P	Z	03:12:59.7	86.8	60.6	1.8	326	6.2		
BUG	e P	Z	03:13:01.7	87.3	57.7	1.4	149	6.1		
TNS	e P	Z	03:13:02.2	87.3	58.5	1.6	84	5.8		
STU	e P	Z	03:13:03.7	87.7	59.1	1.7	82	5.8		
	e pP	Z	03:13:13.0							
BFO	e P	Z	03:13:06.6	88.4	58.4	1.9	60	5.5		
WLF	e P	Z	03:13:09.6	88.9	56.8	1.3	120	6.0		
	e pP	Z	03:13:18.3							

Date Origin Time Lat Long Depth mb Ms ML Source
 2007/08/29 04:27:33.6 51.517N 158.356E 33.0N 4.9 SZGRF
 Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	04:38:59.7	73.1	21.7	1.6	20	5.0		
CLZ	e P	Z	04:39:00.5	73.2	20.2	1.6	30	5.2		
MOX	e P	Z	04:39:06.0	74.0	20.8	2.2	24	4.9		
WERD	e P	Z	04:39:06.2	74.0	21.2	1.5	12	4.8		
GUNZ	e P	Z	04:39:06.4	74.1	21.2	1.3	10	4.8		
WERN	e P	Z	04:39:06.5	74.2	21.2	1.4	8	4.7		
BUG	e P	Z	04:39:06.0	74.2	18.2	1.0	10	4.9		
UBBA	e P	Z	04:39:07.1	74.2	19.8	0.9	4	4.5		
MANZ	e P	Z	04:39:08.8	74.5	21.0	1.6	12	4.8		
GRA1	e P	Z	04:39:12.1	75.0	20.5	1.4	24	5.1		
TNS	e P	Z	04:39:12.1	75.1	18.8	1.0	7	4.8		
WET	e P	Z	04:39:12.2	75.1	21.4	1.4	15	4.9		
GEC2	e P	Z	04:39:12.5	75.2	21.9	1.6	14	4.8		
WLF	e P	Z	04:39:19.4	76.1	17.4	1.5	21	5.1		
BFO	e P	Z	04:39:22.4	76.9	18.6	2.0	29	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/29	16:18:10.6	21.000S	68.300W	134.0				NEIC
Chile-Bolivia border region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z	16:31:24.1	96.4	244.8					
BUG	e Pdiff	Z	16:31:29.7	97.8	245.9					
TNS	e Pdiff	Z	16:31:30.5	98.0	246.6					
IBBN	e Pdiff	Z	16:31:33.0	98.4	246.3					
GRA1	e Pdiff	Z	16:31:37.4	99.4	248.5					
NRDL	e Pdiff	Z	16:31:39.2	99.8	248.1					
MOX	e Pdiff	Z	16:31:40.1	100.0	249.0					
BSEG	e Pdiff	Z	16:31:39.9	100.4	248.5					
GEC2	e Pdiff	Z	16:31:42.6	100.6	250.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/30	06:36:30.4	23.820S	171.740E	30.0		4.4		SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	06:56:08.9	146.8	38.8					
BSEG	e PKPbc	Z	06:56:09.0	146.8	32.2					
	e pPKPbc	Z	06:56:18.3							
BRG	e PKPdf	Z	06:56:10.7	148.0	40.7					
	e PKPbc	Z	06:56:12.4							
CLL	e PKPbc	Z	06:56:12.3	148.0	38.8					
	e pPKPbc	Z	06:56:20.9							
NRDL	e PKPdf	Z	06:56:11.0	148.1	33.1					
	e PKPbc	Z	06:56:12.8							
	e pPKPbc	Z	06:56:21.6							
FBE	e PKPbc	Z	06:56:13.0	148.2	39.7					
CLZ	e PKPdf	Z	06:56:11.8	148.6	34.1					
	e PKPbc	Z	06:56:14.1							
WERD	e PKPbc	Z	06:56:15.2	149.0	38.6					
IBBN	e PKPbc	Z	06:56:15.3	149.0	29.4					
	e pPKPbc	Z	06:56:24.4							
GUNZ	e PKPbc	Z	06:56:15.5	149.0	38.7					
MOX	e PKPdf	Z	06:56:11.9	149.1	37.2					
	e PKPbc	Z	06:56:15.3							
MANZ	e PKPdf	Z	06:56:13.1	149.4	38.7					
	e PKPbc	Z	06:56:16.5							
UBBA	e PKPbc	Z	06:56:16.6	149.5	34.4					
	e pPKPbc	Z	06:56:25.6							
GEC2	e PKPdf	Z	06:56:12.7	149.6	42.5					

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	e	PKPbc	Z	06:56:16.7							
WET	e	PKPdf	Z	06:56:13.5	149.7	40.9					
	e	PKPbc	Z	06:56:17.2							
	e	pPKPbc	Z	06:56:26.2							
BUG	e	PKPbc	Z	06:56:17.5	149.9	29.2					
GRA1	e	PKPdf	Z	06:56:13.8	150.0	37.6					
	e	PKPbc	Z	06:56:17.9							
	e	L	Z	08:01:22.4			21.5	67	4.4		
GRFO	e	PKPbc	Z	06:56:18.0	150.0	37.6					
TNS	e	PKPdf	Z	06:56:14.4	150.6	32.4					
	e	PKPbc	Z	06:56:19.4							
	e	pPKPbc	Z	06:56:28.8							
FUR	e	PKPbc	Z	06:56:20.7	151.2	39.4					
STU	e	PKPbc	Z	06:56:21.8	151.5	35.1					
WLF	e	PKPdf	Z	06:56:16.7	151.8	28.8					
	e	PKPbc	Z	06:56:22.9							
BFO	e	PKPbc	Z	06:56:22.9	152.2	34.1					
	e	PKPab	Z	06:56:32.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/30	10:14:36.5	11.400S	166.100E	97.0				NEIC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKPdf	Z 10:33:47.4	136.5	37.2				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/30	11:07:48.2	1.954N	97.729E	33.0N	5.5			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 11:20:18.2	84.6	93.6	1.3	38	5.5	
GEC2	e	P	Z 11:20:18.6	84.6	93.2	1.3	50	5.6	
RUE	e	P	Z 11:20:19.0	84.8	93.6	0.9	119	6.1	
FBE	e	P	Z 11:20:20.1	84.9	93.1	1.2	38	5.5	
WET	e	P	Z 11:20:21.2	85.2	92.6	1.1	24	5.3	
CLL	e	P	Z 11:20:20.8	85.2	92.9	1.2	22	5.3	
WERN	e	P	Z 11:20:23.1	85.5	92.3	1.1	15	5.0	
GUNZ	e	P	Z 11:20:23.2	85.6	92.3	1.2	21	5.2	
WERD	e	P	Z 11:20:23.1	85.6	92.3	1.2	20	5.1	
MANZ	e	P	Z 11:20:24.2	85.7	92.1	1.1	32	5.4	
MOX	e	P	Z 11:20:25.4	86.0	91.8	1.5	37	5.3	
FUR	e	P	Z 11:20:26.0	86.2	91.3	0.6	26	5.6	
GRA1	e	P	Z 11:20:26.9	86.3	91.4	1.2	38	5.4	
CLZ	e	P	Z 11:20:29.5	86.8	90.9	1.1	56	5.6	

BSEG	e P	Z	11:20:29.7	86.9	90.9	1.1	81	5.8
NRDL	e P	Z	11:20:30.5	87.0	90.7	1.2	91	5.8
UBBA	e P	Z	11:20:30.4	87.1	90.5	1.4	22	5.1
STU	e P	Z	11:20:33.0	87.6	89.8	0.5	16	5.6
TNS	e P	Z	11:20:35.5	88.0	89.3	1.1	56	5.8
BFO	e P	Z	11:20:35.3	88.1	89.1	1.0	15	5.3
IBBN	e P	Z	11:20:37.2	88.4	88.8	0.9	84	6.1
BUG	e P	Z	11:20:38.7	88.8	88.4	0.9	58	5.8
WLF	e P	Z	11:20:43.1	89.5	87.5	1.1	46	5.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2007/08/31	20:52:40.6	35.981N	25.790E	10.0G	4.7	4.0		SZGRF
Crete, Greece								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	20:56:16.8	15.6	141.0	1.8	120	4.7		
	e S	R	20:59:22.5							
WET	e P	Z	20:56:28.5	16.2	139.6	1.7	120	4.8		
	e S	R	20:59:33.7							
FUR	e P	Z	20:56:30.3	16.2	133.4	1.2	107	4.9		
ROTZ	e P	Z	20:56:35.8	16.9	139.3	1.2	34	4.3		
	e S	R	20:59:48.1							
MANZ	e S	R	20:59:52.3	17.2	139.5					
GRA1	e P	Z	20:56:40.0	17.3	136.9	2.4	334	5.0		
	e S	R	20:59:52.0							
	e L	Z	21:03:25.0			20.1	808		4.0	
STU	e S	R	21:00:03.3	17.6	130.3					
BFO	e P	Z	20:56:46.2	17.8	127.5	1.3	26	4.2		
	e S	R	21:00:07.2							
CLL	e P	Z	20:56:46.2	17.8	144.2	1.6	66	4.5		
	e S	R	21:00:07.4							
MOX	e P	Z	20:56:47.2	17.9	139.8	2.0	212	4.9		
	e S	R	21:00:06.5							
UBBA	e P	Z	20:56:56.4	18.7	136.5	1.5	36	4.4		
	e S	R	21:00:25.6							
TNS	e P	Z	20:57:00.9	19.0	132.1	1.2	73	4.8		
	e S	R	21:00:33.4							
CLZ	e P	Z	20:57:04.0	19.3	139.3	2.1	191	5.0		
	e S	R	21:00:37.9							
WLF	e P	Z	20:57:12.9	19.8	126.4	1.7	94	4.7		
	e S	R	21:00:46.3							
BUG	e S	R	21:01:00.3	20.3	132.3					
IBBN	e S	R	21:01:08.7	20.7	134.9					
BSEG	e S	R	21:01:10.7	20.9	142.8					

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