

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

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

JANUARY 2006 UPDATED 21.FEBRUARY.2006

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		
2006/01/01	07:12: 5.8	32.500N	139.500E	33.0G	5.3	5.6		SZGRF		
Southeast of Honshu, Japan										
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	07:24:30.1	82.7	43.7	1.3	31	5.4		
BSEG	e P	Z	07:24:31.7	83.1	41.2	1.4	29	5.3		
BRG	e P	Z	07:24:35.5	83.8	43.6	1.4	15	5.0		
CLL	e P	Z	07:24:35.6	83.9	43.0	1.4	33	5.4		
CLZ	e P	Z	07:24:39.6	84.6	41.1	1.5	41	5.4		
WERD	e P	Z	07:24:40.4	84.9	42.4					
GUNZ	e P	Z	07:24:41.0	84.9	42.4	2.2	32	5.2		
MOX	e P	Z	07:24:41.4	85.0	41.9	1.8	20	5.0		
IBBN	e P	Z	07:24:42.6	85.3	39.2	1.5	50	5.4		
ROTZ	e P	Z	07:24:43.7	85.4	42.3	1.8	50	5.3		
NOTT	e P	Z	07:24:43.6	85.4	42.2	1.8	59	5.4		
GEC2	e P	Z	07:24:42.9	85.4	43.3	1.9	32	5.1		
UBBA	e P	Z	07:24:44.9	85.6	40.7	1.9	36	5.2		
WET	e P	Z	07:24:44.2	85.6	42.8	2.0	20	4.9		
GRA2	e P	Z	07:24:43.2	85.9	41.7					
GRFO	e P	Z	07:24:46.0	85.9	41.6	1.7	52	5.4		
	e		07:24:55.5							
	e L	Z	08:08:24.5			19.2	2436		5.6	
GRB1	e		07:24:43.7	85.9	41.9	1.6	18			
	e PP	Z	07:28:17.1							
	e S	N	07:35:37.2							
	e SS	N	07:41:35.4							
	e L	Z	08:07:45.9			18.3	2449		5.6	
BUG	e P	Z	07:24:46.5	86.2	38.7	1.6	28	5.1		
TNS	e P	Z	07:24:49.4	86.6	39.6					
FUR	e P	Z	07:24:51.1	87.0	41.6	2.0	86	5.5		

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STU	e P	Z	07:24:54.7	87.4	40.1						
BFO	e P	Z	07:24:55.9	88.2	39.4	2.2	51	5.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/01	08:47:11.0	4.340N	95.390E	50.7	5.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 08:59:21.5	81.2	93.9	1.9	107	5.6		
GEC2	e P	Z 08:59:21.9	81.3	93.4	1.2	109	5.8		
RUE	e P	Z 08:59:22.4	81.5	94.0	1.2	114	5.8		
WET	e P	Z 08:59:24.7	81.8	92.8	1.3	45	5.4		
CLL	e P	Z 08:59:24.4	81.9	93.2	1.3	38	5.4		
GUNZ	e P	Z 08:59:26.8	82.2	92.6	1.3	26	5.2		
WERD	e P	Z 08:59:26.8	82.3	92.6	1.4	22	5.1		
ROTZ	e P	Z 08:59:27.6	82.3	92.4	1.3	74	5.7		
NOTT	e P	Z 08:59:27.7	82.3	92.3	1.4	46	5.4		
GRB1	e P	Z 08:59:29.4	82.6	91.9	1.2	131	6.0		
	e pP	Z 08:59:44.1							
MOX	e P	Z 08:59:29.2	82.7	92.1	1.7	66	5.6		
FUR	e P	Z 08:59:29.5	82.8	91.5	1.6	103	5.8		
GRFO	e P	Z 08:59:30.8	82.9	91.6	1.3	94	5.9		
CLZ	e P	Z 08:59:33.3	83.5	91.2	1.3	49	5.6		
BSEG	e P	Z 08:59:33.8	83.6	91.4	1.4	99	5.8		
UBBA	e P	Z 08:59:35.3	83.7	90.8	2.0	102	5.7		
STU	e P	Z 08:59:36.9	84.2	90.0	1.6	54	5.5		
TNS	e P	Z 08:59:39.6	84.7	89.6	1.2	31	5.4		
BFO	e P	Z 08:59:39.5	84.8	89.3	1.1	19	5.2		
IBBN	e P	Z 08:59:41.7	85.1	89.2	1.3	66	5.7		
BUG	e P	Z 08:59:43.1	85.4	88.8	1.3	52	5.6		
WLF	e P	Z 08:59:47.4	86.2	87.8	1.6	57	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/01	09:43:21.7	12.500N	70.080W	68.5	5.1			SZGRF

Near coast of Venezuela

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 09:54:36.4	71.6	267.8	1.2	38	5.4		
BUG	e P	Z 09:54:41.2	72.4	268.1	1.5	50	5.4		
IBBN	e P	Z 09:54:42.9	72.7	268.2	1.1	34	5.4		
BFO	e P	Z 09:54:43.6	73.0	269.8	1.3	6	4.6		
TNS	e P	Z 09:54:45.2	73.1	269.4	1.1	29	5.3		
STU	e P	Z 09:54:47.6	73.6	270.4	1.1	26	5.2		
BSEG	e P	Z 09:54:51.7	74.3	269.7					
	e sP	Z 09:55:18.0							

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CLZ	e P	Z	09:54:52.3	74.3	270.4	0.9	13	5.0
GRFO	e P	Z	09:54:56.6	74.9	271.6			
FUR	e P	Z	09:54:56.4	75.0	272.1	1.2	26	5.1
MOX	e P	Z	09:54:56.8	75.1	271.7	1.6	19	4.9
GRB1	e P	Z	09:54:57.0	75.2	272.0	1.4	51	5.4
NOTT	e P	Z	09:54:59.0	75.5	272.3	1.2	32	5.3
	e sP	Z	09:55:25.2					
ROTZ	e P	Z	09:54:59.6	75.5	272.4	1.1	25	5.3
WERD	e P	Z	09:54:59.5	75.6	272.3	1.4	15	4.9
	e sP	Z	09:55:25.4					
GUNZ	e P	Z	09:54:59.8	75.6	272.3	1.4	9	4.7
CLL	e P	Z	09:55:01.5	76.0	272.6	1.6	32	5.2
	e sP	Z	09:55:28.0					
WET	e P	Z	09:55:01.8	76.0	273.0	0.9	8	4.8
RUE	e P	Z	09:55:03.9	76.4	272.9	0.8	17	5.2
GEC2	e P	Z	09:55:04.9	76.6	273.7	0.9	26	5.4
BRG	e P	Z	09:55:05.2	76.6	273.4	0.9	12	5.0
	e sP	Z	09:55:31.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/01	18:35:4.9	36.068N	71.328E	33.0N	4.6			SZGRF

Afghanistan-Tajikistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRB1	e P	Z 18:43:13.9	44.6	84.0	0.7	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/01	19:32:32.7	7.242S	129.520E	94.0G				NEIC-M

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e PKPdf	Z 19:50:56.8	112.3	74.8					
WET	e PKPdf	Z 19:50:57.5	112.7	74.0					
BSEG	e PKPdf	Z 19:50:58.1	112.8	69.9					
GRB1	e PKPdf	Z 19:50:59.4	113.4	72.9					
CLZ	e PKPdf	Z 19:50:59.4	113.4	70.8					
STU	e PKPdf	Z 19:51:02.5	115.1	71.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	04:06:10.0	20.580S	177.690W	657.9				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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RGN	e PKP	Z	04:24:34.8	145.0	18.2
BSEG	e PKPbc	Z	04:24:38.5	146.1	13.5
HLG	e PKPbc	Z	04:24:39.0	146.1	9.4
RUE	e PKPdf	Z	04:24:37.8	146.9	19.9
	e PKPbc	Z	04:24:40.4		
IBBN	e PKPbc	Z	04:24:43.5	148.0	9.7
	e PKPab	Z	04:24:48.8		
CLZ	e PKPdf	Z	04:24:39.9	148.1	14.4
	e PKPbc	Z	04:24:44.0		
CLL	e PKPdf	Z	04:24:39.4	148.2	19.2
	e PKPbc	Z	04:24:43.7		
	e PKPab	Z	04:24:48.6		
BRG	e PKPdf	Z	04:24:39.5	148.4	21.1
	e PKPbc	Z	04:24:44.1		
	e PKPab	Z	04:24:49.7		
BUG	e PKPbc	Z	04:24:45.5	148.9	9.0
MOX	e PKPbc	Z	04:24:45.9	149.1	17.1
	e PKPab	Z	04:24:52.6		
WERD	e PKPdf	Z	04:24:40.4	149.1	18.5
	e PKPbc	Z	04:24:46.2		
	e PKPab	Z	04:24:52.9		
UBBA	e PKPbc	Z	04:24:46.9	149.2	14.1
GUNZ	e PKPbc	Z	04:24:46.5	149.2	18.5
	e PKPab	Z	04:24:53.4		
NOTT	e PKPbc	Z	04:24:47.7	149.7	18.5
	e PKPab	Z	04:24:55.8		
ROTZ	e PKPbc	Z	04:24:47.8	149.8	18.6
	e PKPab	Z	04:24:55.9		
TNS	e PKPdf	Z	04:24:42.8	150.0	11.5
	e PKPbc	Z	04:24:48.4		
	e PKPab	Z	04:24:56.6		
GRFO	e PKPbc	Z	04:24:48.4	150.0	16.9
	e PKPab	Z	04:24:57.2		
WET	e PKPdf	Z	04:24:42.5	150.2	20.2
	e PKPbc	Z	04:24:48.5		
	e PKPab	Z	04:24:57.8		
GRB1	e PKPbc	Z	04:24:48.6	150.2	17.8
	e PKPab	Z	04:24:57.8		
	e pPKPbc	Z	04:27:16.9		
GEC2	e PKPdf	Z	04:24:41.9	150.3	21.9
	e PKPbc	Z	04:24:48.7		
WLF	e PKPbc	Z	04:24:50.6	150.8	7.4
	e PKPab	Z	04:25:00.6		
STU	e PKPdf	Z	04:24:44.6	151.3	13.5
	e PKPbc	Z	04:24:51.3		
	e PKPab	Z	04:25:02.0		
FUR	e PKPbc	Z	04:24:51.5	151.5	17.8
	e PKPab	Z	04:25:03.2		
BFO	e PKPbc	Z	04:24:52.3	151.8	12.0

e PKPab Z 04:25:04.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	06:10:42.3	61.960S	23.100W	33.0G		7.3		SZGRF

South Sandwich Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pdiff	Z	06:25:38.5	113.1	195.5					
	e		06:26:09.0							
	e PP	Z	06:30:07.7							
	e SP	R	06:39:43.3							
	e SS	R	06:45:58.0							
FUR	e L	Z	07:11:59.0			19.0	103909		7.4	
	e Pdiff	Z	06:25:35.0	113.5	196.8					
	e		06:26:10.6							
	e PP	Z	06:30:10.0							
	e SP	R	06:39:45.4							
STU	e SS	R	06:46:01.0							
	e		06:26:11.7	113.7	195.9					
	e PP	Z	06:30:11.7							
	e SP	R	06:39:46.6							
	e SS	R	06:46:06.4							
WLF	e L	Z	07:11:58.7			20.5	76874		7.3	
	e Pdiff	Z	06:25:42.6	114.0	194.6					
	e		06:26:13.7							
	e PP	Z	06:30:14.1							
	e SP	R	06:39:51.5							
WET	e SS	R	06:46:25.0							
	e Pdiff	Z	06:25:38.0	114.8	197.7					
	e		06:26:16.4							
	e PP	Z	06:30:19.3							
	e SP	R	06:39:57.2							
GRFO	e SS	R	06:46:23.1							
	e L	Z	07:12:39.3			21.1	75599		7.3	
	e L	Z	07:13:06.2	115.0	197.0	20.8	117707		7.5	
	e Pdiff	Z	06:25:44.0	115.0	195.7					
	e		06:26:18.0							
TNS	e PP	Z	06:30:20.9							
	e SP	R	06:39:59.6							
	e SS	R	06:46:29.6							
	e Pdiff	Z	06:25:41.4	115.2	197.5					
	e		06:26:18.9							
ROTZ	e PP	Z	06:30:22.8							
	e SP	R	06:40:02.5							
	e SS	R	06:46:27.5							
	e L	Z	07:13:43.2			19.6	92286		7.4	
	e Pdiff	Z	06:25:41.8	115.2	197.4					

	e		06:26:18.7				
	e PP	Z	06:30:22.9				
	e SP	R	06:40:02.9				
	e SS	R	06:46:31.9				
BUG	e Pdiff	Z	06:25:46.5	115.9	195.3		
	e		06:26:22.6				
	e PP	Z	06:30:27.5				
	e SP	R	06:40:12.9				
	e SS	R	06:46:41.8				
MOX	e Pdiff	Z	06:25:45.6	115.9	197.3		
	e		06:26:22.4				
	e PP	Z	06:30:28.0				
	e SP	R	06:40:12.0				
	e SS	R	06:46:36.7				
	e L	Z	07:13:42.8			20.2	70151
BRG	e		06:26:25.3	116.6	198.5		7.3
	e PP	Z	06:30:32.3				
	e SP	R	06:40:18.7				
	e SS	R	06:46:44.9				
CLL	e Pdiff	Z	06:25:50.1	116.8	198.1		
	e		06:26:26.4				
	e PP	Z	06:30:33.9				
	e SP	R	06:40:20.6				
	e SS	R	06:46:49.2				
	e L	Z	07:14:14.5			21.3	58022
IBBN	e		06:26:26.7	116.9	195.7		7.2
	e PP	Z	06:30:34.4				
	e SP	R	06:40:22.1				
	e SS	R	06:47:05.6				
RUE	e Pdiff	Z	06:25:54.1	118.1	198.7		
	e		06:26:31.9				
	e PP	Z	06:30:42.5				
	e SP	R	06:40:30.1				
	e SS	R	06:47:13.5				
HLG	e		06:26:34.8	118.7	196.0		
	e PP	Z	06:30:46.2				
	e SP	R	06:40:36.8				
BSEG	e		06:26:35.3	118.8	197.2		
	e PP	Z	06:30:48.6				
	e SP	R	06:40:39.7				
	e SS	R	06:47:19.1				
	e L	Z	07:16:56.4			18.6	74330
RGN	e		06:26:40.4	120.0	198.8		7.3
	e PP	Z	06:30:55.7				
	e SP	R	06:40:47.2				
	e SS	R	06:47:35.8				
	e L	Z	07:17:49.3			18.9	47184

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	08:18:37.7	15.578S	167.676E	33.0N				GSRC-M

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 08:38:02.0	138.9	40.4					
GEC2	e PKPdf	Z 08:38:03.2	140.5	41.7					
WET	e PKPdf	Z 08:38:04.3	140.6	40.3					
WLF	e PKPdf	Z 08:38:04.2	142.8	30.3					
BFO	e PKPdf	Z 08:38:04.9	143.1	34.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	12:01:49.3	5.090S	152.346E	89.0G				NEIC-M

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 12:20:33.2	121.7	50.8					
BSEG	e PKPdf	Z 12:20:34.4	122.3	46.5					
BRG	e PKPdf	Z 12:20:34.9	122.6	51.7					
CLL	e PKPdf	Z 12:20:34.9	122.8	50.5					
CLZ	e PKPdf	Z 12:20:37.1	123.7	47.5					
WERD	e PKPdf	Z 12:20:36.7	123.7	50.2					
GUNZ	e PKPdf	Z 12:20:37.3	123.7	50.3					
MOX	e PKPdf	Z 12:20:37.2	123.9	49.4					
GEC2	e PKPdf	Z 12:20:37.3	124.0	52.5					
ROTZ	e PKPdf	Z 12:20:38.7	124.2	50.5					
NOTT	e PKPdf	Z 12:20:37.8	124.2	50.4					
WET	e PKPdf	Z 12:20:37.9	124.2	51.5					
IBBN	e PKPdf	Z 12:20:39.0	124.5	44.5					
GRA1	e PKPdf	Z 12:20:38.9	124.7	49.5					
BUG	e PKPdf	Z 12:20:40.5	125.3	44.3					
FUR	e PKPdf	Z 12:20:41.2	125.7	50.4					
TNS	e PKPdf	Z 12:20:40.6	125.7	46.3					
STU	e PKPdf	Z 12:20:41.9	126.3	47.8					
BFO	e PKPdf	Z 12:20:42.9	127.0	47.1					
WLF	e PKPdf	Z 12:20:44.3	127.1	44.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	21:33:27.5	24.408N	44.549W	33.0N	4.9			SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:42:16.8	49.7	260.7	1.4	20	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	21:38:40.6	36.215N	69.471E	33.0N	4.3			SZGRF
Hindu Kush, Afghanistan, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:46:41.3	43.5	85.1	0.7	4	4.3		
IBBN	e P	Z	21:46:55.7	45.5	85.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	22:13:44.3	19.450S	178.030W	598.4				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPbc	Z	22:32:12.7	143.8	18.3					
	e sPKPbc	Z	22:35:25.1							
BSEG	e PKPdf	Z	22:32:13.5	144.9	13.8					
	e PKPbc	Z	22:32:15.8							
	e sPKPbc	Z	22:35:27.5							
	e PSKS	R	22:45:41.0							
HLG	e PKPdf	Z	22:32:13.9	145.0	9.7					
	e PKPbc	Z	22:32:16.2							
	e sPKPbc	Z	22:35:27.4							
RUE	e PKPdf	Z	22:32:15.3	145.7	20.0					
	e PKPbc	Z	22:32:18.4							
	e sPKPbc	Z	22:35:30.1							
	e PSKS	R	22:45:45.5							
IBBN	e PKPdf	Z	22:32:17.4	146.8	10.0					
	e PKPbc	Z	22:32:21.4							
	e PKPab	Z	22:32:23.6							
	e pPKPbc	Z	22:34:36.7							
	e sPKPbc	Z	22:35:33.4							
	e PSKS	R	22:45:51.1							
CLZ	e PKPdf	Z	22:32:17.5	146.9	14.6					
	e PKPbc	Z	22:32:21.5							
	e PKPab	Z	22:32:24.3							
	e pPKPbc	Z	22:34:37.0							
	e sPKPbc	Z	22:35:34.4							
	e PSKS	R	22:45:53.1							
CLL	e PKPdf	Z	22:32:17.4	147.0	19.3					
	e PKPbc	Z	22:32:21.5							
	e PKPab	Z	22:32:23.7							
	e pPKPbc	Z	22:34:37.8							
	e sPKPbc	Z	22:35:34.1							
	e PSKS	R	22:45:52.3							
BRG	e PKPdf	Z	22:32:17.8	147.2	21.2					

	e PKPbc	Z	22:32:22.4		
	e PKPab	Z	22:32:24.8		
	e pPKPbc	Z	22:34:38.3		
	e sPKPbc	Z	22:35:35.0		
	e PSKS	R	22:45:55.0		
BUG	e PKPdf	Z	22:32:18.5	147.7	9.4
	e PKPbc	Z	22:32:23.3		
	e PKPab	Z	22:32:26.4		
	e pPKPbc	Z	22:34:39.9		
	e sPKPbc	Z	22:35:36.3		
MOX	e PKPdf	Z	22:32:18.9	147.9	17.3
	e PKPbc	Z	22:32:24.0		
	e PKPab	Z	22:32:27.0		
	e pPKPbc	Z	22:34:40.5		
	e sPKPbc	Z	22:35:37.4		
	e PSKS	R	22:45:59.2		
WERD	e PKPdf	Z	22:32:18.9	147.9	18.6
	e PKPbc	Z	22:32:24.2		
UBBA	e PKPdf	Z	22:32:18.9	148.0	14.4
	e PKPbc	Z	22:32:23.9		
	e PKPab	Z	22:32:27.9		
	e pPKPbc	Z	22:34:40.5		
	e sPKPbc	Z	22:35:37.5		
GUNZ	e PKPdf	Z	22:32:19.3	148.0	18.7
	e PKPbc	Z	22:32:24.5		
	e pPKPbc	Z	22:34:41.4		
NOTT	e PKPdf	Z	22:32:20.0	148.6	18.6
	e PKPbc	Z	22:32:25.6		
	e PKPab	Z	22:32:30.8		
	e pPKPbc	Z	22:34:41.8		
	e sPKPbc	Z	22:35:40.1		
	e PSKS	R	22:46:03.9		
ROTZ	e PKPdf	Z	22:32:20.2	148.6	18.8
	e PKPbc	Z	22:32:26.0		
	e PKPab	Z	22:32:31.0		
	e pPKPbc	Z	22:34:41.8		
	e sPKPbc	Z	22:35:40.3		
	e PSKS	R	22:46:04.0		
TNS	e PKPdf	Z	22:32:20.5	148.8	11.8
	e PKPbc	Z	22:32:26.4		
	e PKPab	Z	22:32:31.4		
	e pPKPbc	Z	22:34:42.7		
	e sPKPbc	Z	22:35:40.5		
	e PSKS	R	22:46:05.2		
GRA1	e PKPdf	Z	22:32:20.8	148.9	17.1
	e PKPbc	Z	22:32:26.5		
	e PKPab	Z	22:32:31.6		
	e pPKPbc	Z	22:34:43.0		
	e sPKPbc	Z	22:35:41.1		

	e		22:39:04.9					
	e	PSKS	R	22:46:05.4				
	e			22:49:22.1				
	e	SS	T	22:54:30.8				
WET	e	PKPdf	Z	22:32:20.9	149.0	20.3		
	e	PKPbc	Z	22:32:27.0				
	e	PKPab	Z	22:32:32.7				
	e	pPKPbc	Z	22:34:43.8				
	e	sPKPbc	Z	22:35:41.9				
	e	PSKS	R	22:46:08.0				
GEC2	e	PKPdf	Z	22:32:20.8	149.1	21.9		
	e	PKPbc	Z	22:32:27.1				
	e	PKPab	Z	22:32:33.1				
	e	pPKPbc	Z	22:34:43.7				
	e	sPKPbc	Z	22:35:41.8				
WLF	e	PKPdf	Z	22:32:22.2	149.6	7.8		
	e	PKPbc	Z	22:32:28.4				
	e	PKPab	Z	22:32:34.9				
	e	pPKPbc	Z	22:34:45.3				
	e	sPKPbc	Z	22:35:43.6				
STU	e	PKPdf	Z	22:32:22.4	150.1	13.8		
	e	PKPbc	Z	22:32:29.3				
	e	PKPab	Z	22:32:37.0				
	e	pPKPbc	Z	22:34:46.6				
	e	sPKPbc	Z	22:35:45.3				
FUR	e	PKPdf	Z	22:32:22.6	150.3	17.9		
	e	PKPbc	Z	22:32:29.7				
	e	PKPab	Z	22:32:37.9				
	e	pPKPbc	Z	22:34:46.9				
	e	sPKPbc	Z	22:35:46.7				
BFO	e	PKPdf	Z	22:32:23.1	150.7	12.3		
	e	PKPbc	Z	22:32:30.4				
	e	PKPab	Z	22:32:39.2				
	e	pPKPbc	Z	22:34:47.8				
	e	sPKPbc	Z	22:35:47.6				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:08:55.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	23:47:33.6	0.553N	98.182E	33.0N	4.5			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:00:18.9	87.6	92.0	0.8	2	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	23:47:18.6	19.980S	177.860W	328.2				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	00:06:17.9	145.5	13.6					
	e pPKPbc	Z	00:07:38.8							
IBBN	e PKPbc	Z	00:06:24.3	147.4	9.8					
	e PKPab	Z	00:06:26.5							
CLZ	e PKPbc	Z	00:06:23.8	147.5	14.5					
CLL	e PKPbc	Z	00:06:23.6	147.5	19.3					
BRG	e PKPbc	Z	00:06:23.8	147.7	21.1					
	e PKPab	Z	00:06:27.5							
	e pPKPbc	Z	00:07:45.0							
MOX	e PKPbc	Z	00:06:25.9	148.4	17.2					
	e PKPab	Z	00:06:30.8							
WERD	e PKPbc	Z	00:06:26.3	148.5	18.5					
	e pPKPbc	Z	00:07:47.1							
NOTT	e PKPbc	Z	00:06:28.0	149.1	18.5					
	e pPKPbc	Z	00:07:48.8							
ROTZ	e PKPbc	Z	00:06:28.1	149.2	18.7					
TNS	e PKPbc	Z	00:06:28.6	149.3	11.7					
	e PKPab	Z	00:06:34.6							
GRA1	e PKPbc	Z	00:06:28.8	149.4	17.0					
	e PKPab	Z	00:06:35.3							
WET	e PKPbc	Z	00:06:29.0	149.6	20.2					
GEC2	e PKPbc	Z	00:06:29.2	149.7	21.9					
	e pPKPbc	Z	00:07:50.0							
WLF	e PKPbc	Z	00:06:30.9	150.1	7.6					
	e pPKPbc	Z	00:07:51.8							
STU	e PKPbc	Z	00:06:31.4	150.7	13.6					
BFO	e PKPbc	Z	00:06:32.8	151.2	12.1					
	e PKPab	Z	00:06:42.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/02	23:49:58.7	19.907S	177.626W	33.0G				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	00:09:33.5	145.4	13.2					
CLZ	e PKPbc	Z	00:09:39.1	147.5	14.1					

CLL	e	PKPbc	Z	00:09:39.0	147.5	18.8
BRG	e	PKPbc	Z	00:09:39.8	147.7	20.7
MOX	e	PKPbc	Z	00:09:41.4	148.4	16.8
WERD	e	PKPbc	Z	00:09:41.7	148.5	18.1
NOTT	e	PKPbc	Z	00:09:43.3	149.1	18.1
ROTZ	e	PKPbc	Z	00:09:43.6	149.1	18.2
TNS	e	PKPbc	Z	00:09:44.0	149.3	11.2
GRA1	e	PKPbc	Z	00:09:44.2	149.4	16.5
GEC2	e	PKPbc	Z	00:09:44.6	149.7	21.4
WLF	e	PKPbc	Z	00:09:46.4	150.1	7.1
STU	e	PKPbc	Z	00:09:46.9	150.6	13.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	00:40:51.8	18.763S	178.321W	601.6				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e	PKP	Z 00:59:17.5	143.1	18.6					
BSEG	e	PKPbc	Z 00:59:21.2	144.2	14.1					
HLG	e	PKP	Z 00:59:20.4	144.3	10.1					
RUE	e	PKPbc	Z 00:59:23.6	145.0	20.2					
IBBN	e	PKPdf	Z 00:59:23.8	146.1	10.4					
	e	PKPbc	Z 00:59:26.7							
CLZ	e	PKPdf	Z 00:59:23.7	146.2	14.9					
	e	PKPbc	Z 00:59:27.0							
	e	pPKPbc	Z 01:01:43.5							
CLL	e	PKPdf	Z 00:59:23.8	146.2	19.5					
	e	PKPbc	Z 00:59:26.9							
BRG	e	PKPdf	Z 00:59:24.3	146.4	21.3					
	e	PKPbc	Z 00:59:27.6							
	e	pPKPbc	Z 01:01:45.0							
BUG	e	PKPdf	Z 00:59:25.1	147.0	9.8					
	e	PKPbc	Z 00:59:28.6							
MOX	e	PKPdf	Z 00:59:25.2	147.2	17.5					
	e	PKPbc	Z 00:59:29.1							
	e	pPKPbc	Z 01:01:46.6							
WERD	e	PKPdf	Z 00:59:25.5	147.2	18.8					
	e	PKPbc	Z 00:59:29.4							
NOTT	e	PKPdf	Z 00:59:26.6	147.8	18.8					
	e	PKPbc	Z 00:59:31.1							
ROTZ	e	PKPbc	Z 00:59:31.2	147.9	19.0					
GRA1	e	PKPdf	Z 00:59:27.2	148.1	17.3					
	e	PKPbc	Z 00:59:32.0							
	e	pPKPbc	Z 01:01:50.3							
GRFO	e	PKPab	Z 00:59:40.2	148.1	17.3					
WET	e	PKPdf	Z 00:59:27.1	148.3	20.5					
	e	PKPbc	Z 00:59:32.3							

	e PKPab	Z	00:59:41.1						
GEC2	e PKPdf	Z	00:59:27.2	148.4	22.1				
	e PKPbc	Z	00:59:32.3						
	e PKPab	Z	00:59:41.6						
WLF	e PKPbc	Z	00:59:33.8	148.9	8.2				
	e PKPab	Z	00:59:43.2						
STU	e PKPdf	Z	00:59:29.1	149.4	14.1				
	e PKPbc	Z	00:59:34.8						
FUR	e PKPdf	Z	00:59:29.7	149.6	18.2				
	e PKPbc	Z	00:59:35.0						
	e PKPab	Z	00:59:46.2						
BFO	e PKPdf	Z	00:59:30.4	149.9	12.6				
	e PKPbc	Z	00:59:35.5						
	e PKPab	Z	00:59:47.0						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	01:10:11.6	29.206N	139.358E	33.0N	4.9			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:23:01.8	88.7	43.4	1.2	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	04:11:44.1	53.880N	161.350E	33.0N	4.7			SZGRF

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 04:22:52.4	69.6	17.7	1.0	7	4.7		
CLL	e P	Z 04:23:04.0	71.5	19.0	1.1	14	5.0		
CLZ	e P	Z 04:23:04.9	71.5	17.5	1.0	12	5.0		
BRG	e P	Z 04:23:05.4	71.7	19.5	1.3	6	4.6		
MOX	e P	Z 04:23:09.9	72.4	18.2	1.2	8	4.7		
WERD	e P	Z 04:23:10.2	72.5	18.5	1.0	4	4.5		
UBBA	e P	Z 04:23:10.5	72.6	17.2	0.8	5	4.7		
NOTT	e P	Z 04:23:14.1	73.1	18.4	0.9	5	4.7		
ROTZ	e P	Z 04:23:14.3	73.2	18.4	1.1	11	4.8		
GRA1	e P	Z 04:23:16.2	73.4	17.8	0.9	19	5.1		
TNS	e P	Z 04:23:15.8	73.4	16.3	0.9	4	4.5		
WET	e P	Z 04:23:17.0	73.6	18.7	1.0	7	4.6		
GEC2	e P	Z 04:23:17.3	73.7	19.2	0.7	6	4.8		
BFO	e P	Z 04:23:26.2	75.3	16.1	0.9	3	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/03 04:25:30.8
Fiji Islands region

18.430S 178.566W 610.9

SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKP	Z	04:43:56.8	142.8	18.8					
BSEG	e PKPbc	Z	04:44:00.0	143.8	14.4					
HLG	e PKPbc	Z	04:44:00.4	143.9	10.4					
RUE	e PKPbc	Z	04:44:02.1	144.6	20.5					
IBBN	e PKPbc	Z	04:44:05.1	145.8	10.7					
	e PKPab	Z	04:44:09.0							
CLZ	e PKPdf	Z	04:44:01.8	145.9	15.2					
	e PKPbc	Z	04:44:05.6							
CLL	e PKPab	Z	04:44:09.3							
	e PKPdf	Z	04:44:01.6	145.9	19.8					
BRG	e PKPbc	Z	04:44:05.5							
	e PKPab	Z	04:44:09.5							
BUG	e PKPdf	Z	04:44:02.1	146.1	21.6					
	e PKPbc	Z	04:44:06.1							
MOX	e PKPab	Z	04:44:10.6							
	e PKPdf	Z	04:44:03.3	146.7	10.1					
WERD	e PKPbc	Z	04:44:07.2							
	e PKPdf	Z	04:44:03.3	146.8	17.8					
UBBA	e PKPbc	Z	04:44:07.9							
	e PKPdf	Z	04:44:03.5	146.8	19.1					
NOTT	e PKPbc	Z	04:44:08.1							
	e PKPab	Z	04:44:13.7							
ROTZ	e PKPdf	Z	04:44:03.4	146.9	15.0					
	e PKPbc	Z	04:44:07.8							
TNS	e PKPbc	Z	04:44:09.8	147.5	19.1					
	e PKPbc	Z	04:44:09.9	147.5	19.3					
GRA1	e PKPbc	Z	04:44:10.3	147.7	12.5					
	e PKPab	Z	04:44:17.3							
WET	e PKPdf	Z	04:44:04.7	147.8	17.6					
	e PKPbc	Z	04:44:10.4							
GEC2	e PKPab	Z	04:44:17.8							
	e pPKPbc	Z	04:46:29.5							
WLF	e PKPbc	Z	04:44:10.7	147.9	20.8					
	e PKPab	Z	04:44:18.4							
STU	e PKPbc	Z	04:44:10.9	148.0	22.4					
	e PKPab	Z	04:44:18.7							
FUR	e PKPbc	Z	04:44:12.5	148.5	8.6					
	e PKPab	Z	04:44:20.8							
BFO	e PKPdf	Z	04:44:07.1	149.0	14.4					
	e PKPbc	Z	04:44:13.3							
BFO	e PKPab	Z	04:44:22.6							
	e PKPbc	Z	04:44:13.6	149.2	18.5					
BFO	e PKPab	Z	04:44:23.9							
	e PKPbc	Z	04:44:14.2	149.6	13.0					
BFO	e PKPab	Z	04:44:24.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	08:27:22.9	20.988S	177.126W	33.0G				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	08:47:01.2	146.6	12.7					
CLZ	e PKPbc	Z	08:47:06.6	148.6	13.5					
	e PKPab	Z	08:47:10.7							
CLL	e PKPbc	Z	08:47:06.6	148.7	18.4					
	e PKPab	Z	08:47:10.9							
BRG	e PKPbc	Z	08:47:07.2	148.9	20.3					
	e PKPab	Z	08:47:12.1							
MOX	e PKPbc	Z	08:47:08.7	149.6	16.3					
WERD	e PKPbc	Z	08:47:09.2	149.6	17.6					
NOTT	e PKPbc	Z	08:47:10.9	150.3	17.6					
ROTZ	e PKPbc	Z	08:47:10.7	150.3	17.8					
TNS	e PKPbc	Z	08:47:11.1	150.4	10.6					
	e PKPab	Z	08:47:18.7							
GRA1	e PKPbc	Z	08:47:11.2	150.5	16.0					
	e PKPab	Z	08:47:19.2							
WET	e PKPbc	Z	08:47:11.8	150.7	19.4					
GEC2	e PKPbc	Z	08:47:12.0	150.8	21.1					
WLF	e PKPbc	Z	08:47:13.6	151.2	6.4					
STU	e PKPbc	Z	08:47:14.5	151.8	12.5					
FUR	e PKPbc	Z	08:47:14.8	152.0	16.9					
BFO	e PKPbc	Z	08:47:15.4	152.3	11.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	09:02: 1.0	20.236S	177.337W	33.0G				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	09:21:37.3	145.8	12.8					
CLZ	e PKPbc	Z	09:21:42.8	147.8	13.7					
CLL	e PKPbc	Z	09:21:42.5	147.9	18.5					
BRG	e PKPbc	Z	09:21:43.2	148.1	20.3					
MOX	e PKPbc	Z	09:21:45.1	148.8	16.4					
WERD	e PKPbc	Z	09:21:45.3	148.8	17.7					
NOTT	e PKPbc	Z	09:21:46.6	149.5	17.7					
ROTZ	e PKPbc	Z	09:21:46.8	149.5	17.9					
TNS	e PKPbc	Z	09:21:47.3	149.7	10.8					
GRA1	e PKPbc	Z	09:21:47.4	149.8	16.1					
WET	e PKPbc	Z	09:21:48.8	150.0	19.4					
GEC2	e PKPbc	Z	09:21:48.2	150.1	21.1					

WLF e PKPbc Z 09:21:49.7 150.4 6.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/03 10:53: 9.7 51.810N 167.850W 33.0N 5.5 4.8
 Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 11:04:43.1	73.6	0.8	1.5	150	5.8		
BSEG	e P	Z 11:04:46.5	74.2	358.8	1.4	90	5.6		
RUE	e P	Z 11:04:54.7	75.7	1.0	1.3	91	5.7		
IBBN	e P	Z 11:04:55.4	75.8	357.2	1.0	86	5.8		
CLZ	e P	Z 11:04:58.6	76.3	358.9					
BUG	e P	Z 11:04:59.8	76.7	356.9	1.3	73	5.6		
CLL	e P	Z 11:05:00.9	76.9	0.5	0.9	38	5.5		
BRG	e P	Z 11:05:03.5	77.3	1.1	1.3	59	5.6		
UBBA	e P	Z 11:05:03.8	77.4	358.6	1.3	44	5.4		
MOX	e P	Z 11:05:05.0	77.5	359.7	1.0	54	5.7		
WERD	e P	Z 11:05:06.2	77.7	0.1	1.1	16	5.1		
TNS	e P	Z 11:05:07.1	77.9	357.7	1.0	38	5.5		
NOTT	e P	Z 11:05:09.9	78.4	360.0	1.1	75	5.6		
WLF	e P	Z 11:05:10.2	78.4	356.2	1.6	84	5.5		
ROTZ	e P	Z 11:05:10.3	78.4	0.0	1.0	65	5.6		
GRA1	e P	Z 11:05:10.8	78.5	359.4	1.0	164	6.0		
	e L	Z 11:32:19.9			42.5	924		4.8	
WET	e P	Z 11:05:13.6	79.0	0.5	1.1	32	5.2		
GEC2	e P	Z 11:05:14.9	79.3	1.0	1.0	61	5.5		
STU	e P	Z 11:05:15.1	79.4	358.1	1.0	54	5.4		
BFO	e P	Z 11:05:17.3	79.8	357.6	1.2	42	5.3		
FUR	e P	Z 11:05:18.8	80.0	359.5	1.2	92	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 1970/07/20 23:47:51.8 41.709N 141.044E 33.0G 4.8 5.3
 Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:38:05.1	78.6	35.8	1.0	26	5.2		
	e L	Z 13:32:58.4			19.5	1461		5.3	
TNS	e P	Z 12:38:07.7	79.2	34.0	1.2	9	4.7		
FUR	e P	Z 12:38:11.5	79.8	35.7	0.8	14	4.9		
STU	e P	Z 12:38:12.6	80.1	34.4	0.6	12	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/03 12:27:58.3 13.465N 145.354E 81.0G
 NEIC-M

Mariana Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PP	Z	12:45:41.2	100.8	47.3					
RUE	e PP	Z	12:45:58.4	102.0	48.1					
BSEG	e PP	Z	12:45:55.5	102.5	44.7					
BRG	e PP	Z	12:46:08.6	103.0	48.5					
CLL	e PP	Z	12:46:04.5	103.2	47.6					
HLG	e PP	Z	12:46:01.3	103.3	42.5					
CLZ	e PP	Z	12:46:09.2	104.0	45.1					
WERD	e PP	Z	12:46:10.5	104.1	47.1					
MOX	e PP	Z	12:46:11.6	104.3	46.5					
GEC2	e PP	Z	12:46:17.8	104.5	48.6					
ROTZ	e Pdiff	Z	12:41:53.7	104.6	47.2					
	e PP	Z	12:46:16.4							
NOTT	e Pdiff	Z	12:41:53.0	104.6	47.1					
	e PP	Z	12:46:14.6							
WET	e PP	Z	12:46:15.4	104.7	47.9					
IBBN	e PP	Z	12:46:13.6	104.8	42.7					
GRA1	e PP	Z	12:46:18.5	105.1	46.3					
GRFO	e PP	Z	12:46:18.4	105.1	46.3					
BUG	e PP	Z	12:46:20.8	105.6	42.4					
TNS	e PP	Z	12:46:24.3	106.0	43.7					
FUR	e PP	Z	12:46:26.0	106.1	46.7					
STU	e PP	Z	12:46:29.5	106.7	44.7					
WLF	e PP	Z	12:46:37.0	107.4	41.8					
BFO	e PP	Z	12:46:34.6	107.4	44.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/03	22:38:17.7	21.350S	178.050W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	22:57:56.0	146.8	14.3					
CLZ	e PKPbc	Z	22:58:01.9	148.8	15.3					
CLL	e PKPbc	Z	22:58:01.6	148.8	20.2					
BRG	e PKPbc	Z	22:58:02.5	149.0	22.1					
MOX	e PKPbc	Z	22:58:04.1	149.7	18.1					
WERD	e PKPbc	Z	22:58:04.3	149.8	19.4					
NOTT	e PKPbc	Z	22:58:05.8	150.4	19.5					
ROTZ	e PKPbc	Z	22:58:06.0	150.4	19.6					
TNS	e PKPbc	Z	22:58:06.3	150.7	12.4					
GRA1	e PKPbc	Z	22:58:06.9	150.7	17.9					
WLF	e PKPbc	Z	22:58:08.8	151.5	8.2					
STU	e PKPbc	Z	22:58:09.6	152.0	14.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/04	03:10:11.9	20.720S	168.780E	33.0N				SZGRF

Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERD	e PKPbc	Z	03:29:44.2	145.0	40.6					
GUNZ	e PKPbc	Z	03:29:44.7	145.0	40.7					
MOX	e PKPbc	Z	03:29:44.5	145.1	39.4					
IBBN	e PKPbc	Z	03:29:45.0	145.2	32.2					
ROTZ	e PKPbc	Z	03:29:46.5	145.5	41.1					
NOTT	e PKPbc	Z	03:29:46.4	145.5	40.9					
GEC2	e PKPbc	Z	03:29:46.2	145.5	44.2					
UBBA	e PKPbc	Z	03:29:46.4	145.6	36.8					
WET	e PKPbc	Z	03:29:47.1	145.7	42.7					
GRA1	e PKPbc	Z	03:29:48.0	146.0	39.7					
TNS	e PKPbc	Z	03:29:49.9	146.7	34.9					
FUR	e PKPbc	Z	03:29:51.7	147.1	41.3					
STU	e PKPbc	Z	03:29:52.6	147.5	37.4					
WLF	e PKPbc	Z	03:29:54.1	147.9	31.7					
BFO	e PKPbc	Z	03:29:54.4	148.2	36.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/04	07:19: 3.4	51.759N	160.350E	33.0N	4.8			SZGRF

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:30:43.2	75.2	19.2	1.2	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/04	08:32:37.0	28.480N	113.090W	33.0N	6.0	7.3		SZGRF

Baja California, Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
HLG	e P	Z	08:45:02.0	83.0	310.6	1.4	253	6.3		
	e S	T	08:55:20.1							
IBBN	e P	Z	08:45:07.0	84.2	310.7	2.0	560	6.5		
	e PP	Z	08:48:27.2							
	e S	T	08:55:31.3							
BSEG	e P	Z	08:45:07.9	84.2	312.5	2.1	832	6.6		
	e S	T	08:55:31.3							
BUG	e P	Z	08:45:08.6	84.5	310.4	1.8	279	6.2		
	e S	T	08:55:33.4							
RGN	e S	T	08:55:44.4	85.1	314.8					
WLF	e P	Z	08:45:12.0	85.1	309.7	0.9	113	6.1		

	e PP	Z	08:48:27.0								
	e S	T	08:55:39.9								
TNS	e P	Z	08:45:15.2	85.9	311.3	2.4		231	5.9		
	e PP	Z	08:48:34.5								
	e S	T	08:55:49.2								
RUE	e P	Z	08:45:19.1	86.7	315.2	1.1		81	5.8		
	e PP	Z	08:48:47.2								
	e S	T	08:55:55.9								
BFO	e P	Z	08:45:20.1	87.0	311.3	1.2		51	5.5		
	e PP	Z	08:48:43.4								
	e S	T	08:55:57.8								
MOX	e P	Z	08:45:20.4	87.1	313.7	1.8		91	5.6		
	e PP	Z	08:48:45.8								
STU	e P	Z	08:45:21.2	87.2	311.9	1.1		77	5.7		
	e S	T	08:56:00.2								
CLL	e P	Z	08:45:21.0	87.2	314.7	1.2		49	5.5		
	e PP	Z	08:48:52.4								
WERD	e P	Z	08:45:22.5	87.5	314.2	2.1		61	5.6		
GRA1	e P	Z	08:45:23.3	87.5	313.4	1.6		287	6.4		
	e PP	Z	08:48:46.2								
	e S	T	08:56:03.8								
	e SS	T	09:01:48.8								
	e L	Z	09:22:52.2			20.3		111879		7.3	
GRFO	e P	Z	08:45:23.5	87.5	313.4	1.6		250	6.3		
NOTT	e P	Z	08:45:24.6	87.9	314.1	2.2		179	6.0		
	e PP	Z	08:48:52.3								
	e S	T	08:56:06.6								
ROTZ	e P	Z	08:45:24.7	87.9	314.1	2.0		140	6.0		
	e S	T	08:56:08.4								
BRG	e P	Z	08:45:24.8	87.9	315.4	2.1		148	5.9		
	e PP	Z	08:48:56.9								
	e S	T	08:56:09.0								
FUR	e P	Z	08:45:28.4	88.6	313.5	1.8		258	6.1		
	e S	T	08:56:15.3								
WET	e P	Z	08:45:28.7	88.7	314.6	2.0		92	5.7		
	e PP	Z	08:48:58.3								
	e S	T	08:56:15.1								

Date 2006/01/04
 Origin Time 22:33:54.4
 Lat 45.187N
 Long 101.364E
 Depth 33.0N
 mb 4.6
 Ms
 ML
 Source SZGRF
 Mongolia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:43:39.5	57.3	56.9	1.0	6	4.6		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	01:35:50.2	46.515N	146.814E	33.0N	4.6			SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:47:36.7	76.4	29.7	0.7	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	06:01:50.8	48.180N	151.430E	33.0N	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 06:13:18.1	72.7	26.0	0.9	22	5.3		
RUE	e P	Z 06:13:20.4	73.1	28.0	1.0	52	5.6		
CLL	e P	Z 06:13:27.1	74.3	27.4	1.0	70	5.6		
BRG	e P	Z 06:13:27.8	74.5	27.9	1.1	15	4.9		
CLZ	e P	Z 06:13:29.2	74.6	25.8	1.0	48	5.5		
IBBN	e P	Z 06:13:30.3	74.9	24.2	0.8	33	5.4		
WERD	e P	Z 06:13:33.0	75.3	26.8	1.6	23	5.1		
MOX	e P	Z 06:13:33.1	75.3	26.4	1.2	31	5.3		
BUG	e P	Z 06:13:35.5	75.8	23.8	1.0	32	5.4		
NOTT	e P	Z 06:13:36.8	75.9	26.6	1.2	52	5.5		
ROTZ	e P	Z 06:13:37.0	75.9	26.7	0.9	38	5.5		
GRA1	e P	Z 06:13:39.0	76.3	26.1	0.8	93	5.9		
WET	e P	Z 06:13:39.0	76.3	27.0	1.1	31	5.3		
GEC2	e P	Z 06:13:38.7	76.3	27.5	0.7	19	5.4		
TNS	e P	Z 06:13:40.2	76.6	24.4	0.8	23	5.4		
FUR	e P	Z 06:13:46.1	77.7	25.9	1.2	38	5.4		
WLF	e P	Z 06:13:46.9	77.7	22.9					
STU	e P	Z 06:13:46.4	77.7	24.7	1.0	22	5.3		
BFO	e P	Z 06:13:49.7	78.3	24.1	1.0	19	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	08:40:50.3	56.287S	24.723W	46.0G		5.8		NEIC-M

South Sandwich Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e L	Z 09:42:49.8	110.1	200.3	19.2	2262		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	14:47:18.7	30.898N	70.601E	33.0N	4.5			SZGRF

Pakistan

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Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:55:51.6	47.6	90.1	1.1	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	17:32:10.4							
WET	e Pn	Z	17:32:13.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	22:57: 7.9	19.302S	178.371W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	23:16:40.5	144.7	14.3					
IBBN	e PKPbc	Z	23:16:47.8	146.7	10.6					
CLZ	e PKPbc	Z	23:16:46.9	146.7	15.2					
CLL	e PKPbc	Z	23:16:46.7	146.8	19.9					
BRG	e PKPbc	Z	23:16:47.4	147.0	21.7					
MOX	e PKPbc	Z	23:16:49.1	147.7	17.8					
WERD	e PKPbc	Z	23:16:49.5	147.7	19.1					
NOTT	e PKPbc	Z	23:16:51.2	148.4	19.1					
ROTZ	e PKPbc	Z	23:16:51.6	148.4	19.3					
TNS	e PKPbc	Z	23:16:51.9	148.6	12.4					
GRA1	e PKPbc	Z	23:16:52.4	148.7	17.6					
GEC2	e PKPbc	Z	23:16:52.8	148.9	22.5					
WLF	e PKPbc	Z	23:16:54.4	149.4	8.4					
FUR	e PKPbc	Z	23:16:55.7	150.1	18.5					
BFO	e PKPbc	Z	23:16:56.4	150.5	12.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/05	23:14:32.8	40.770N	75.560E	33.0N	4.5			SZGRF
Kyrgyzstan-Xinjiang border region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:22:29.2	42.8	78.7	0.8	5	4.3		
CLL	e P	Z	23:22:32.4	43.3	78.6	0.9	6	4.3		
GEC2	e P	Z	23:22:33.7	43.4	76.5	1.0	10	4.5		
WET	e P	Z	23:22:37.6	43.8	76.3	1.2	6	4.2		
WERD	e P	Z	23:22:37.7	43.9	77.2	0.9	2	3.8		
MOX	e P	Z	23:22:40.3	44.3	77.0	1.0	5	4.2		
BSEG	e P	Z	23:22:42.2	44.4	79.5	0.8	8	4.7		

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GRA1	e P	Z	23:22:45.0	44.8	75.8	0.8	21	5.1
CLZ	e P	Z	23:22:44.5	44.8	77.4	1.1	5	4.4
FUR	e P	Z	23:22:47.3	45.1	74.4	0.8	11	4.8
STU	e P	Z	23:22:56.9	46.3	73.8	0.5	4	4.8
BFO	e P	Z	23:23:01.8	46.9	72.9	1.0	4	4.5
WLF	e P	Z	23:23:09.5	47.9	72.8	1.2	9	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/06	01:56:36.6	49.920N	116.015E	33.0N	4.7			SZGRF
Tuva-Buryatia-Mongolia border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:06:50.6	61.5	45.1	1.1	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/06	03:40: 8.2	7.840N	81.730W	33.0N	5.8	5.7		SZGRF
Panama								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 03:52:29.4	82.7	273.5	2.1	172	5.9		
BUG	e P	Z 03:52:32.0	83.3	274.1	2.3	211	6.0		
IBBN	e P	Z 03:52:33.3	83.5	274.4					
BFO	e P	Z 03:52:36.3	84.2	275.3	2.5	159	5.8		
STU	e P	Z 03:52:39.4	84.7	275.9	2.1	132	5.8		
BSEG	e P	Z 03:52:40.4	84.9	276.3	1.9	123	5.8		
UBBA	e P	Z 03:52:41.0	85.0	276.3	2.0	128	5.8		
CLZ	e P	Z 03:52:41.9	85.1	276.5	2.1	167	5.9		
GRA1	e P	Z 03:52:45.8	85.9	277.3	2.1	228	5.9		
	e S	R 04:03:19.0							
	e SS	R 04:09:31.6							
	e L	Z 04:26:03.1			22.0	3618		5.7	
MOX	e P	Z 03:52:46.1	86.1	277.6	2.1	84	5.5		
FUR	e P	Z 03:52:46.9	86.2	277.5	2.0	115	5.6		
NOTT	e P	Z 03:52:48.7	86.5	278.0	2.1	127	5.7		
WERD	e P	Z 03:52:48.5	86.5	278.1	2.2	71	5.4		
ROTZ	e P	Z 03:52:49.1	86.5	278.1	2.2	180	5.8		
CLL	e P	Z 03:52:49.9	86.8	278.6	2.0	95	5.6		
WET	e P	Z 03:52:51.4	87.1	278.6	2.1	118	5.7		
RUE	e P	Z 03:52:51.1	87.1	279.1					
BRG	e P	Z 03:52:53.2	87.5	279.3	2.7	149	5.8		
GEC2	e P	Z 03:52:53.9	87.7	279.2	2.3	139	5.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/06 04:24:56.6 10.340N 95.600E 26.1 5.3 SZGRF
 Andaman Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 04:36:46.4	76.7	89.9	1.0	33	5.4		
RUE	e P	Z 04:36:46.8	76.8	90.1	0.8	66	5.8		
	e pP	Z 04:36:54.1							
GEC2	e P	Z 04:36:47.5	76.9	89.2	0.9	56	5.7		
CLL	e P	Z 04:36:49.2	77.3	89.2	1.3	26	5.2		
WET	e P	Z 04:36:50.3	77.5	88.6	1.0	18	5.2		
WERD	e P	Z 04:36:52.1	77.8	88.5	1.0	16	5.1		
ROTZ	e P	Z 04:36:53.2	77.9	88.3	1.3	58	5.6		
NOTT	e P	Z 04:36:53.4	77.9	88.2	1.5	50	5.4		
MOX	e P	Z 04:36:54.5	78.2	88.0	1.0	19	5.2		
	e pP	Z 04:37:02.1							
GRA1	e P	Z 04:36:56.7	78.5	87.5	0.9	44	5.5		
FUR	e P	Z 04:36:56.2	78.5	87.2	0.9	24	5.2		
BSEG	e P	Z 04:36:58.4	78.9	87.6	1.0	55	5.5		
CLZ	e P	Z 04:36:58.8	78.9	87.3	0.9	39	5.4		
	e pP	Z 04:37:06.3							
UBBA	e P	Z 04:37:00.0	79.2	86.8	0.9	10	4.8		
STU	e P	Z 04:37:03.7	79.9	85.8	0.7	10	4.8		
BFO	e P	Z 04:37:06.8	80.5	85.1	1.1	11	4.8		
IBBN	e P	Z 04:37:07.7	80.5	85.3	1.1	63	5.5		
BUG	e P	Z 04:37:09.6	80.9	84.8	1.0	45	5.4		
	e pP	Z 04:37:17.1							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/06 06:28:1.2 6.399N 33.802W 33.0N 4.8 4.4 ML SZGRF
 Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:37:46.5	57.4	236.6	1.1	11	4.8		
	e L	Z 06:58:52.6			20.8	338		4.4	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/06 13:06:19.7 20.235S 178.326W 33.0N 4.8 4.4 ML SZGRF
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 13:25:55.1	145.7	14.5					
RUE	e PKPbc	Z 13:25:57.1	146.4	20.8					
IBBN	e PKPab	Z 13:26:03.8	147.6	10.7					
CLZ	e PKPbc	Z 13:26:00.7	147.7	15.4					
	e PKPab	Z 13:26:04.5							

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CLL	e	PKPbc	Z	13:26:00.4	147.7	20.2
	e	PKPab	Z	13:26:04.2		
BRG	e	PKPbc	Z	13:26:01.1	147.9	22.0
	e	PKPab	Z	13:26:05.2		
MOX	e	PKPbc	Z	13:26:02.9	148.6	18.1
	e	PKPab	Z	13:26:08.0		
WERD	e	PKPbc	Z	13:26:02.7	148.6	19.4
	e	PKPab	Z	13:26:08.5		
NOTT	e	PKPbc	Z	13:26:04.6	149.3	19.5
	e	PKPab	Z	13:26:11.2		
ROTZ	e	PKPab	Z	13:26:11.5	149.3	19.6
GRA1	e	PKPbc	Z	13:26:05.6	149.6	17.9
	e	PKPab	Z	13:26:12.8		
WET	e	PKPab	Z	13:26:13.4	149.7	21.2
GEC2	e	PKPbc	Z	13:26:05.9	149.8	22.9
WLF	e	PKPbc	Z	13:26:07.7	150.4	8.5
	e	PKPab	Z	13:26:15.9		
STU	e	PKPab	Z	13:26:17.4	150.8	14.6
FUR	e	PKPab	Z	13:26:18.7	151.0	18.8
BFO	e	PKPab	Z	13:26:19.9	151.4	13.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/06	13:44:27.9	37.565N	92.275E	33.0N	4.3			SZGRF

Qinghai, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:54:10.7	57.0	69.0	0.7	2	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/06	17:42:39.9			N	4.3			SZGRF

Western Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 17:49:34.4			0.7	2	4.0		
BRG	e P	Z 17:49:12.1			0.7	1	3.8		
CLZ	e P	Z 17:49:32.6			0.7	5	4.6		
FUR	e P	Z 17:49:17.6			0.6	9	4.9		
GRA1	e P	Z 17:49:22.1			0.7	9	4.8		
NOTT	e P	Z 17:49:17.6			0.7	3	4.3		
ROTZ	e P	Z 17:49:17.4			0.7	3	4.3		
WET	e P	Z 17:49:11.5			0.7	1	3.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/07 02:23:51.3 53.381N 173.321E 35.9 5.5 5.0 SZGRF
 Near Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 02:35:10.5	71.8	10.6	0.9	102	6.0		
RUE	e P	Z 02:35:16.1	72.8	12.6	1.1	61	5.6		
IBBN	e P	Z 02:35:21.3	73.6	8.9	0.9	204	6.2		
CLZ	e P	Z 02:35:22.5	73.8	10.5	1.0	68	5.6		
CLL	e P	Z 02:35:22.9	74.0	12.1	1.0	36	5.3		
BRG	e P	Z 02:35:24.9	74.3	12.6	1.1	43	5.4		
BUG	e P	Z 02:35:26.1	74.5	8.6	1.0	63	5.6		
MOX	e P	Z 02:35:28.1	74.8	11.2	1.0	28	5.3		
UBBA	e P	Z 02:35:28.2	74.9	10.2	1.5	53	5.4		
WERD	e P	Z 02:35:28.9	74.9	11.6	1.1	19	5.0		
NOTT	e P	Z 02:35:32.6	75.6	11.4	1.1	43	5.5		
ROTZ	e P	Z 02:35:33.1	75.6	11.5	1.1	45	5.5		
GRA1	e P	Z 02:35:34.2	75.8	10.9	1.1	92	5.8		
	e pP	Z 02:35:44.5							
	e S	N 02:45:54.7							
	e L	Z 03:10:30.9			21.8	744		5.0	
WET	e P	Z 02:35:36.0	76.2	11.9	1.1	32	5.4		
GEC2	e P	Z 02:35:36.8	76.3	12.3	1.1	64	5.7		
WLF	e P	Z 02:35:37.2	76.4	7.8	1.1	55	5.6		
STU	e P	Z 02:35:39.9	77.0	9.6	0.9	34	5.4		
FUR	e P	Z 02:35:42.3	77.3	10.9	1.2	61	5.6		
BFO	e P	Z 02:35:42.9	77.5	9.1	0.9	34	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/07 05:11:18.6 38.179N 20.251E 10.0G 4.2
 Greece THE-M

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 05:14:03.8	11.7	153.7					
	e Sn	N 05:16:08.1							
WET	e Pn	Z 05:14:11.6	12.2	151.4					
	e Sn	N 05:16:18.6							
MOX	e Pn	Z 05:14:35.3	13.9	150.5					
CLZ	e Pn	Z 05:15:02.1	15.3	149.3					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/07 08:33:50.8 18.819N 118.925E 33.0N 4.2
 Philippine Islands region SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 08:46:21.1	84.5	66.7	0.7	1	4.3		

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CLL	e P	Z	08:46:22.4	84.9	66.0	1.0	2	4.3
BSEG	e P	Z	08:46:24.6	85.2	64.2	0.9	4	4.6
GEC2	e P	Z	08:46:25.7	85.5	66.4	0.8	2	4.4
WET	e P	Z	08:46:27.4	85.8	65.8	0.9	1	3.8
MOX	e P	Z	08:46:28.0	85.9	65.0	0.8	1	4.1
ROTZ	e P	Z	08:46:28.0	86.0	65.3	0.8	2	4.2
BFO	e P	Z	08:46:42.4	88.9	62.4	0.8	1	4.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/07	18:55:44.0	56.854N	157.886W	60.7	5.5			SZGRF

Alaska Peninsula, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	19:06:41.9	68.8	353.1	1.1	48	5.7		
IBBN	e P	Z	19:06:50.4	70.2	351.7	1.2	73	5.7		
RUE	e P	Z	19:06:51.9	70.5	355.2	1.2	96	5.8		
CLZ	e P	Z	19:06:54.7	70.9	353.2	1.2	66	5.6		
	e pP	Z	19:07:11.1							
BUG	e P	Z	19:06:54.9	71.0	351.5	0.9	71	5.8		
CLL	e P	Z	19:06:58.1	71.6	354.8	1.0	38	5.5		
	e pP	Z	19:07:14.9							
UBBA	e P	Z	19:07:00.1	71.9	353.1	1.2	25	5.2		
BRG	e P	Z	19:07:01.3	72.1	355.3	1.1	50	5.5		
MOX	e P	Z	19:07:01.9	72.2	354.0	1.1	65	5.7		
WERD	e P	Z	19:07:03.3	72.4	354.4	1.0	12	5.0		
WLF	e P	Z	19:07:05.2	72.7	350.9	1.0	55	5.6		
NOTT	e P	Z	19:07:07.2	73.0	354.3	1.0	63	5.7		
ROTZ	e P	Z	19:07:07.6	73.1	354.4	1.0	63	5.7		
	e pP	Z	19:07:24.4							
GRA1	e P	Z	19:07:07.6	73.1	353.8	0.8	71	5.8		
	e pP	Z	19:07:23.9							
WET	e P	Z	19:07:11.5	73.7	354.8	1.1	30	5.2		
STU	e P	Z	19:07:11.6	73.8	352.7	1.0	36	5.4		
GEC2	e P	Z	19:07:13.1	74.1	355.2	1.0	45	5.5		
	e pP	Z	19:07:29.7							
BFO	e P	Z	19:07:13.6	74.2	352.2	0.9	23	5.2		
FUR	e P	Z	19:07:16.2	74.6	353.9	0.8	47	5.6		
	e pP	Z	19:07:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/07	23:14:49.4	37.909N	74.179E	33.0N	4.3	4.3		SZGRF

Tajikistan-Xinjiang border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:22:49.6	43.6	83.0	0.9	2	3.9		

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GEC2	e P	Z	23:22:54.3	44.1	80.8	1.1	7	4.3			
CLL	e P	Z	23:22:53.9	44.2	82.8	0.9	3	3.9			
WET	e P	Z	23:22:57.4	44.6	80.5	1.0	3	4.2			
ROTZ	e P	Z	23:23:00.9	44.9	80.7	1.6	16	4.7			
NOTT	e P	Z	23:23:01.1	44.9	80.7	0.9	2	4.1			
MOX	e P	Z	23:23:02.1	45.1	81.2	0.9	2	4.1			
BSEG	e P	Z	23:23:04.4	45.5	83.5	0.9	7	4.7			
GRA1	e P	Z	23:23:06.1	45.5	80.0	0.9	9	4.8			
	e L	Z	23:42:24.9			20.6	378		4.3		
CLZ	e P	Z	23:23:06.6	45.7	81.5	0.9	2	4.1			
IBBN	e P	Z	23:23:18.1	47.2	80.1	0.9	5	4.6			
BFO	e P	Z	23:23:21.9	47.7	76.9	0.8	1	4.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKP	Z 03:17:44.1							
CLL	e PKP	Z 03:17:39.8							
CLZ	e PKP	Z 03:17:40.6							
GEC2	e PKP	Z 03:17:41.1							
GRA1	e PKP	Z 03:17:42.3							
NEUB	e PKP	Z 03:17:43.4							
ROTZ	e PKP	Z 03:17:41.0							
WERD	e PKP	Z 03:17:40.4							
WET	e PKP	Z 03:17:41.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	03:51:58.6	10.162S	65.275E	33.0N	4.8			SZGRF
Mid-Indian Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:03:43.8	76.2	124.8	1.7	15	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	05:43:38.2	34.440N	121.670E	33.0N	4.8			SZGRF
Yellow Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 05:55:10.5	73.7	53.1	1.2	11	4.7		
CLL	e P	Z 05:55:11.4	74.0	54.4	1.1	7	4.6		
CLZ	e P	Z 05:55:18.2	75.0	52.7	1.9	26	4.9		
GEC2	e P	Z 05:55:18.0	75.0	54.3	1.1	5	4.5		

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ROTZ	e P	Z	05:55:19.9	75.3	53.5	1.2	6	4.6
NOTT	e P	Z	05:55:19.8	75.3	53.5			
GRA1	e P	Z	05:55:23.0	75.8	52.8	1.1	27	5.3
FUR	e P	Z	05:55:28.3	76.7	52.6	1.0	9	4.9
BFO	e P	Z	05:55:35.4	78.2	50.7	1.0	5	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	06:23: 9.6	1.098S	77.217W	33.0N	4.4			SZGRF
Ecuador								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:36:05.3	89.8	268.1	0.9	2	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	11:34:53.4	36.265N	22.979E	10.0G	6.3	6.5		SZGRF
Southern Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 11:38:19.6	14.7	139.8					
	e Sn	N 11:40:53.9							
WET	e Pn	Z 11:38:19.7	14.8	146.5					
GRA1	e P	Z 11:38:34.0	15.9	143.2	1.4	10703	6.8		
	e L	Z 11:46:08.6			21.2	298563		6.5	
STU	e P	Z 11:38:36.8	16.1	136.0	1.5	3422	6.3		
BFO	e P	Z 11:38:39.0	16.2	132.9	2.3	7250	6.4		
MOX	e P	Z 11:38:44.7	16.5	146.1	1.4	1266	5.9		
CLL	e P	Z 11:38:45.8	16.6	150.8	1.4	2497	6.1		
WLF	e P	Z 11:39:04.9	18.1	131.4	1.3	1893	6.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08	12:06:30.0	36.350N	23.413E	32.0G	3.6			THE-M
Southern Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 12:09:55.5	14.4	146.7	0.9	4			
WET	e P	Z 12:10:01.1	14.9	145.0	1.1	5			
NOTT	e P	Z 12:10:07.3	15.8	144.4					
BRG	e P	Z 12:10:13.5	16.0	151.3	0.9	5	3.6		
GRA1	e P	Z 12:10:13.2	16.0	141.8	1.2	12	3.9		
STU	e P	Z 12:10:11.1	16.2	134.7					
WLF	e P	Z 12:10:32.1	18.3	130.2	1.2	7	3.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	15:22:37.2	45.805N	16.346E	10.0G			3.0	SZGRF

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pg	Z	15:23:03.5	1.4	118.8					2.9
	e Sg	N	15:23:23.5							
ARSA	e Pg	Z	15:23:05.8	1.6	158.3					2.4
MOA	e Pn	Z	15:23:18.3	2.5	144.4					2.8
	e Sn	N	15:23:49.5							
GEC2	e Pn	Z	15:23:32.4	3.5	148.5					3.2
	e Sn	N	15:24:14.2							
WTTA	e Pn	Z	15:23:31.3	3.6	112.5					
WET	e Pn	Z	15:23:39.1	4.1	143.6					3.0
	e Sn	E	15:24:26.2							
ROTZ	e Sn	Z	15:24:42.7	4.8	143.4					3.2
NOTT	e Pn	Z	15:23:49.9	4.9	143.1					3.2
	e Sn	N	15:24:44.4							
WERN	e Pn	Z	15:23:56.4	5.2	147.9					2.8
	e Sn	N	15:24:51.6							
TANN	e Sn	N	15:24:55.5	5.3	149.2					3.3
WERD	e Sn	N	15:24:57.4	5.4	148.3					2.9
MOX	e Sn	N	15:25:06.5	5.8	145.1					3.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	16:34:26.4	26.790N	126.060E	228.5	5.0			SZGRF

Ryukyu Islands, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	16:46:18.9	81.3	56.7	0.8	13	5.1		
	e pP	Z	16:47:13.9							
BRG	e P	Z	16:46:22.6	82.1	56.6	1.0	6	4.7		
BSEG	e P	Z	16:46:23.3	82.2	54.3	0.9	7	4.8		
CLL	e P	Z	16:46:23.5	82.3	56.0	0.9	8	5.0		
	e pP	Z	16:47:18.9							
WERD	e P	Z	16:46:28.0	83.2	55.4	0.9	4	4.6		
GEC2	e P	Z	16:46:29.0	83.3	56.2	1.3	8	4.8		
CLZ	e P	Z	16:46:29.6	83.4	54.1	1.0	15	5.1		
	e pP	Z	16:47:25.1							
MOX	e P	Z	16:46:29.5	83.4	54.9	1.0	5	4.7		
ROTZ	e P	Z	16:46:31.0	83.6	55.2	1.0	10	5.0		
NOTT	e P	Z	16:46:31.2	83.7	55.2	1.5	19	5.1		
UBBA	e P	Z	16:46:33.6	84.2	53.7	1.6	22	5.1		
GRA1	e P	Z	16:46:33.9	84.2	54.5	1.3	42	5.5		
	e pP	Z	16:47:29.0							
IBBN	e P	Z	16:46:34.5	84.4	52.2	1.0	18	5.2		

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FUR	e P	Z	16:46:38.0	85.1	54.4	0.9	25	5.4
BUG	e P	Z	16:46:38.4	85.2	51.7	1.4	17	5.1
STU	e P	Z	16:46:40.9	85.8	53.0	0.8	10	5.0
BFO	e P	Z	16:46:45.1	86.5	52.3	1.2	7	4.6
WLF	e P	Z	16:46:46.2	86.8	50.8	0.9	10	4.9
	e pP	Z	16:47:43.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	16:55:13.1	39.926N	71.717E	33.0N	4.5			SZGRF
Tajikistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:03:08.0	42.8	79.2	0.8	8	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	17:01:41.1	23.312N	121.407E	33.0N	4.7			SZGRF
Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:14:10.8	84.4	60.0	1.2	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/08	23:01:19.5	18.720S	178.650W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z 23:20:55.6	146.0	10.9					
CLZ	e PKPbc	Z 23:20:55.7	146.1	15.5					
CLL	e PKPbc	Z 23:20:56.0	146.1	20.1					
BRG	e PKPbc	Z 23:20:56.7	146.3	21.9					
NOTT	e PKPbc	Z 23:21:00.8	147.7	19.4					
	e PKPab	Z 23:21:03.7							
ROTZ	e PKPbc	Z 23:21:01.1	147.8	19.5					
GRA1	e PKPbc	Z 23:21:01.8	148.0	17.9					
WET	e PKPab	Z 23:21:05.9	148.2	21.0					
GEC2	e PKPbc	Z 23:21:02.1	148.3	22.7					
WLF	e PKPbc	Z 23:21:04.5	148.8	8.8					
STU	e PKPbc	Z 23:21:04.7	149.3	14.7					
	e PKPab	Z 23:21:09.3							
BFO	e PKPbc	Z 23:21:05.7	149.9	13.2					

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPbc	Z 20:44:24.0							
BRG	e PKPbc	Z 20:44:15.4							
CLL	e PKPbc	Z 20:44:14.7							
CLZ	e PKPbc	Z 20:44:14.3							
GEC2	e PKPbc	Z 20:44:21.8							
NOTT	e PKPbc	Z 20:44:19.8							
ROTZ	e PKPbc	Z 20:44:20.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/09	20:59:44.5	4.874S	30.000E	29.9	5.2	4.7		SZGRF

Lake Tanganyika region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e P	Z 21:09:16.6	55.5	157.2	1.5	50	5.3		
	e pP	Z 21:09:25.3							
GEC2	e P	Z 21:09:17.8	55.6	160.2	1.5	67	5.5		
WET	e P	Z 21:09:20.7	56.0	159.3	1.4	29	5.1		
	e pP	Z 21:09:28.9							
BFO	e P	Z 21:09:23.8	56.5	153.8	1.5	36	5.2		
STU	e P	Z 21:09:25.2	56.6	154.9	1.5	40	5.2		
ROTZ	e P	Z 21:09:26.2	56.8	158.7	1.5	59	5.4		
	e pP	Z 21:09:34.5							
NOTT	e P	Z 21:09:26.8	56.8	158.6	1.6	69	5.4		
GRA1	e P	Z 21:09:27.3	56.9	157.5	1.3	90	5.6		
	e pP	Z 21:09:35.3							
	e L	Z 21:35:11.2			18.7	542		4.7	
WERD	e P	Z 21:09:30.8	57.4	158.9	1.6	30	5.1		
BRG	e P	Z 21:09:30.9	57.4	160.9	1.7	29	5.0		
MOX	e P	Z 21:09:32.9	57.7	158.2	1.4	30	5.1		
	e pP	Z 21:09:41.2							
CLL	e P	Z 21:09:34.7	58.0	159.9	1.3	20	5.0		
UBBA	e P	Z 21:09:36.9	58.3	156.4	1.6	65	5.4		
WLF	e P	Z 21:09:36.9	58.3	151.7	1.3	23	5.1		
	e pP	Z 21:09:45.2							
RUE	e P	Z 21:09:41.9	59.0	161.0	1.4	49	5.3		
	e pP	Z 21:09:49.6							
CLZ	e P	Z 21:09:42.9	59.1	157.1	1.5	30	5.1		
BUG	e P	Z 21:09:45.9	59.6	153.5	1.1	25	5.1		
	e pP	Z 21:09:54.3							
IBBN	e P	Z 21:09:51.0	60.2	154.2					
BSEG	e P	Z 21:09:56.1	61.1	157.5	1.4	56	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/10	01:09:32.9	36.550N	14.660W	33.0N	5.4	4.9		SZGRF

Azores-Cape St. Vincent Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	01:14:08.6	20.5	243.5	2.1	381	5.4		
BUG	e P	Z	01:14:20.0	21.5	234.8	1.2	79	5.0		
FUR	e P	Z	01:14:27.9	22.2	248.1	1.5	458	5.7		
	e S	T	01:18:32.8							
IBBN	e P	Z	01:14:27.6	22.3	233.9	1.6	174	5.2		
UBBA	e P	Z	01:14:31.3	22.7	240.5	2.3	427	5.6		
	e S	T	01:18:39.5							
GRA1	e P	Z	01:14:33.1	22.8	244.7	1.1	235	5.6		
	e S	T	01:18:42.3							
	e L	Z	01:21:51.4			21.8	4700		4.9	
CLZ	e P	Z	01:14:39.3	23.4	239.0	1.8	206	5.4		
	e S	T	01:18:47.3							
NOTT	e P	Z	01:14:39.0	23.4	245.7	1.6	238	5.5		
	e S	T	01:18:51.7							
ROTZ	e P	Z	01:14:39.3	23.4	245.9	1.2	107	5.2		
	e S	T	01:18:52.1							
MOX	e P	Z	01:14:39.8	23.5	243.2	1.5	171	5.4		
	e S	T	01:18:51.5							
WET	e P	Z	01:14:41.5	23.6	248.1	2.2	473	5.6		
	e S	T	01:18:55.9							
WERD	e P	Z	01:14:44.3	23.8	244.6	2.2	221	5.3		
GEC2	e S	T	01:19:03.7	24.0	249.8					
BSEG	e P	Z	01:14:50.4	24.5	234.9	1.4	267	5.8		
CLL	e P	Z	01:14:52.0	24.5	243.9	1.1	34	5.0		
	e S	T	01:19:11.9							
BRG	e P	Z	01:14:54.6	24.9	246.0	2.6	283	5.5		
	e S	T	01:19:18.4							
RUE	e P	Z	01:15:01.0	25.5	242.7	1.5	193	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/10 01:21:50.3 44.500N 141.500E 33.0N 4.8
 Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	01:33:27.1	74.4	35.4	0.7	7	4.8		
CLZ	e P	Z	01:33:30.2	74.9	33.8	0.8	6	4.7		
MOX	e P	Z	01:33:33.1	75.4	34.4					
NOTT	e P	Z	01:33:36.5	75.9	34.6	0.9	4	4.5		
ROTZ	e P	Z	01:33:34.6	75.9	34.7					
GEC2	e P	Z	01:33:37.2	76.1	35.5	1.9	15	4.8		
WET	e P	Z	01:33:37.9	76.2	35.0	0.8	3	4.5		
GRA1	e P	Z	01:33:38.4	76.3	34.1	0.7	10	5.1		
FUR	e P	Z	01:33:45.4	77.6	33.9	0.7	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/10	03:14:45.8	6.630N	72.780W	187.0	4.8			SZGRF

Northern Colombia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 03:26:23.1	77.8	265.9	1.1	15	4.9		
	e pP	Z 03:27:07.5							
BUG	e P	Z 03:26:26.9	78.6	266.4	0.8	9	4.8		
BFO	e P	Z 03:26:29.5	79.1	267.8	0.9	2	4.2		
STU	e P	Z 03:26:33.1	79.7	268.4	0.8	10	4.9		
	e pP	Z 03:27:18.7							
CLZ	e P	Z 03:26:37.6	80.6	268.7	0.8	6	4.7		
BSEG	e P	Z 03:26:37.6	80.6	268.3	0.9	9	4.8		
	e pP	Z 03:27:23.5							
GRA1	e P	Z 03:26:40.0	81.1	269.7	1.1	6	4.6		
	e pP	Z 03:27:26.1							
WET	e P	Z 03:26:46.9	82.2	271.1	0.9	4	4.6		
	e pP	Z 03:27:33.0							
CLL	e P	Z 03:26:45.6	82.2	270.9	0.6	4	4.9		
RUE	e P	Z 03:26:48.8	82.7	271.3	0.7	7	5.0		
GEC2	e P	Z 03:26:48.3	82.7	271.7	0.8	8	5.0		
BRG	e P	Z 03:26:49.3	82.8	271.7	0.9	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/10	15:06:46.2	42.265N	144.922E	33.0N	4.7			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 15:18:31.6	76.2	32.8	1.1	9	4.8		
CLL	e P	Z 15:18:38.5	77.5	34.3	0.9	6	4.7		
CLZ	e P	Z 15:18:41.9	78.0	32.6	1.0	6	4.7		
WERD	e P	Z 15:18:43.7	78.5	33.8	2.8	41	5.0		
WET	e P	Z 15:18:49.9	79.4	34.0	1.1	4	4.3		
GRA1	e P	Z 15:18:50.0	79.5	33.0	1.1	16	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/11	00:46:46.5	0.959N	97.918E	26.1	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 00:59:21.3	85.5	93.7	1.3	17	5.1		
RUE	e P	Z 00:59:23.5	85.7	94.1	1.3	17	5.0		
WET	e P	Z 00:59:25.2	86.0	93.1	0.9	2	4.3		

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CLL	e P	Z	00:59:24.4	86.1	93.4	1.4	9	4.7
ROTZ	e P	Z	00:59:28.3	86.5	92.7	0.9	3	4.4
GRA1	e P	Z	00:59:30.5	87.1	91.9	1.3	16	5.0
	e pP	Z	00:59:38.1					
CLZ	e P	Z	00:59:33.1	87.7	91.3	1.5	28	5.4
BSEG	e P	Z	00:59:33.2	87.8	91.4	0.9	5	4.8
TNS	e P	Z	00:59:39.0	88.9	89.8	1.2	10	4.9
BFO	e P	Z	00:59:39.2	89.0	89.7	1.0	2	4.3
BUG	e P	Z	00:59:42.0	89.7	88.9	0.8	5	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/11	07:35: 0.3	0.848N	98.104E	28.5	5.0			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:47:45.0	87.3	91.8	1.1	8	5.0		
	e pP	Z 07:47:53.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/11	10:02:47.1	43.807N	127.240W	33.0N	4.6			SZGRF
Off coast of Oregon, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:14:52.1	79.7	330.9	0.9	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/11	10:32: 5.7	45.853N	5.128E	10.0G			3.9	SZGRF
France								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 10:32:55.7	3.3	222.5					3.6
	e Sg	Z 10:33:47.6							
STU	e Sg	E 10:34:09.2	4.0	224.9					4.2
TNS	e Sg	N 10:34:41.6	4.9	208.2					4.0
GRA1	e Sg	N 10:35:01.1	5.6	229.1					
ROTZ	e Sg	N 10:35:19.4	6.2	233.2					
WET	e Sg	N 10:35:17.1	6.2	240.8					
GEC2	e Pn	Z 10:33:41.3	6.5	246.0					
	e Sg	N 10:35:32.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/11 15:14:23.8
Norwegian Sea

72.516N 6.644E 33.0N 4.4

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:19:25.4	22.9	356.5	1.5	18	4.4		

Date Origin Time
2006/01/11 19:22:28.2
Fiji Islands region

Lat Long Depth mb Ms ML
21.990S 178.030W 33.0N

Source
SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 19:42:08.8	147.4	14.5					
RUE	e PKPbc	Z 19:42:10.9	148.2	21.1					
IBBN	e PKPbc	Z 19:42:13.9	149.4	10.6					
	e PKPab	Z 19:42:18.8							
CLZ	e PKPdf	Z 19:42:10.7	149.4	15.5					
	e PKPbc	Z 19:42:14.5							
CLL	e PKPbc	Z 19:42:14.2	149.5	20.4					
	e PKPab	Z 19:42:18.7							
BRG	e PKPdf	Z 19:42:11.0	149.6	22.4					
	e PKPbc	Z 19:42:14.8							
BUG	e PKPbc	Z 19:42:16.3	150.3	9.9					
	e PKPab	Z 19:42:22.6							
MOX	e PKPbc	Z 19:42:16.6	150.4	18.3					
WERD	e PKPbc	Z 19:42:16.8	150.4	19.7					
UBBA	e PKPab	Z 19:42:23.2	150.5	15.3					
ROTZ	e PKPbc	Z 19:42:18.4	151.1	19.9					
TNS	e PKPbc	Z 19:42:18.7	151.3	12.6					
GRA1	e PKPbc	Z 19:42:19.1	151.4	18.1					
	e PKPab	Z 19:42:26.4							
WET	e PKPbc	Z 19:42:19.3	151.5	21.6					
GEC2	e PKPbc	Z 19:42:19.2	151.6	23.3					
	e PKPab	Z 19:42:28.0							
WLF	e PKPbc	Z 19:42:21.1	152.1	8.3					
STU	e PKPdf	Z 19:42:15.4	152.6	14.7					
	e PKPbc	Z 19:42:21.8							
FUR	e PKPdf	Z 19:42:15.3	152.8	19.1					
	e PKPbc	Z 19:42:22.1							
BFO	e PKPab	Z 19:42:32.9							
	e PKPbc	Z 19:42:22.9	153.2	13.2					
	e PKPab	Z 19:42:34.2							

Date Origin Time
2006/01/12 01:52: 8.4

Lat Long Depth mb Ms ML
N 4.5

Source
SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:58:03.3			1.5	12	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/12	05:32:57.8	45.925N	10.773E	10.0G			2.3	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WTTA	e Pn	Z 05:33:22.6	1.5	204.2					2.2
	e Sg	N 05:33:44.9							
DAVA	e Pn	Z 05:33:22.9	1.5	155.4					2.4
	e Sg	N 05:33:45.0							
KBA	e Pn	Z 05:33:33.7	2.1	237.9					2.3
	e Sg	N 05:34:03.8							
BFO	e Pn	Z 05:33:41.5	2.9	144.4					
	e Sn	N 05:34:18.2							
MOA	e Pn	Z 05:33:46.0	3.1	232.4					
GRA1	e Pg	Z 05:34:08.0	3.8	184.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/12	12:20:0.7	25.705N	140.887E	33.0N	4.8			SZGRF

Volcano Islands, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 12:32:55.6	89.7	43.2	1.0	7	4.9		
CLL	e P	Z 12:32:59.0	90.4	45.3	0.8	3	4.7		
GEC2	e P	Z 12:33:05.6	91.8	45.9	1.0	6	4.9		
ROTZ	e P	Z 12:33:06.6	91.9	44.7	0.9	5	4.8		
GRA1	e P	Z 12:33:08.2	92.4	44.0	0.9	5	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/12	21:23:32.5	35.930N	44.583E	33.0N	4.1			SZGRF

Iraq

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:29:02.3	26.0	108.3	0.6	2	3.8		
BRG	e P	Z 21:29:06.9	26.5	112.4	0.7	1	3.8		
WET	e P	Z 21:29:07.6	26.6	107.9	0.8	2	3.9		
ROTZ	e P	Z 21:29:13.4	27.2	108.3	0.8	4	4.2		
CLL	e P	Z 21:29:14.1	27.2	112.0	0.8	2	4.0		
FUR	e P	Z 21:29:14.8	27.3	104.2	0.8	8	4.5		
GRA1	e P	Z 21:29:18.5	27.8	107.0	0.9	6	4.5		
CLZ	e P	Z 21:29:28.4	28.9	109.8	0.8	4	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/13	03:33:14.2	22.080S	177.300W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	03:52:55.2	147.6	13.3					
RUE	e PKPbc	Z	03:52:57.4	148.4	19.9					
IBBN	e PKPbc	Z	03:53:00.5	149.5	9.3					
	e PKPab	Z	03:53:05.3							
CLZ	e PKPbc	Z	03:53:00.9	149.7	14.2					
	e PKPab	Z	03:53:05.9							
CLL	e PKPbc	Z	03:53:00.6	149.7	19.2					
	e PKPab	Z	03:53:05.5							
BRG	e PKPbc	Z	03:53:01.1	149.9	21.1					
	e PKPab	Z	03:53:06.6							
BUG	e PKPbc	Z	03:53:02.8	150.4	8.6					
MOX	e PKPbc	Z	03:53:03.0	150.6	17.0					
	e PKPab	Z	03:53:09.4							
WERD	e PKPbc	Z	03:53:03.2	150.7	18.4					
	e PKPab	Z	03:53:09.8							
UBBA	e PKPbc	Z	03:53:02.8	150.7	13.9					
ROTZ	e PKPbc	Z	03:53:04.8	151.3	18.6					
	e PKPab	Z	03:53:12.9							
TNS	e PKPbc	Z	03:53:05.4	151.5	11.2					
	e PKPab	Z	03:53:13.4							
GRA1	e PKPbc	Z	03:53:05.4	151.6	16.8					
	e PKPab	Z	03:53:13.9							
WET	e PKPbc	Z	03:53:05.4	151.8	20.2					
	e PKPab	Z	03:53:14.7							
GEC2	e PKPbc	Z	03:53:05.7	151.8	22.0					
	e PKPab	Z	03:53:14.7							
WLF	e PKPbc	Z	03:53:07.5	152.3	6.9					
STU	e PKPbc	Z	03:53:08.2	152.8	13.3					
FUR	e PKPbc	Z	03:53:08.5	153.0	17.7					
	e PKPab	Z	03:53:20.1							
BFO	e PKPbc	Z	03:53:08.9	153.4	11.7					
	e PKPab	Z	03:53:21.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/13	09:17:59.7	17.260S	173.350W	10.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z	09:37:36.1	144.9	1.8					

	e	PKPab	Z	09:37:46.5				
CLZ	e	PKPbc	Z	09:37:36.5	145.3	6.3		
	e	PKPab	Z	09:37:47.9				
CLL	e	PKPbc	Z	09:37:37.8	145.6	10.8		
	e	PKPab	Z	09:37:48.5				
BUG	e	PKPbc	Z	09:37:38.8	145.8	1.1		
	e	PKPab	Z	09:37:49.4				
BRG	e	PKPbc	Z	09:37:39.1	145.9	12.5		
	e	PKPab	Z	09:37:49.7				
UBBA	e	PKPbc	Z	09:37:40.7	146.3	5.8		
	e	PKPab	Z	09:37:50.7				
MOX	e	PKPbc	Z	09:37:40.1	146.4	8.6		
	e	PKPab	Z	09:37:51.3				
WERD	e	PKPbc	Z	09:37:40.6	146.5	9.8		
TNS	e	PKPbc	Z	09:37:42.3	147.0	3.2		
ROTZ	e	PKPbc	Z	09:37:43.1	147.2	9.8		
GRA1	e	PKPbc	Z	09:37:43.3	147.4	8.1		
WLF	e	PKPbc	Z	09:37:43.9	147.6	359.1		
WET	e	PKPbc	Z	09:37:44.3	147.7	11.2		
GEC2	e	PKPbc	Z	09:37:44.9	147.9	12.7		
STU	e	PKPbc	Z	09:37:46.2	148.4	4.6		
	e	PKPab	Z	09:38:01.4				
FUR	e	PKPab	Z	09:38:02.2	148.9	8.6		
BFO	e	PKPbc	Z	09:37:47.3	148.9	3.1		
	e	PKPab	Z	09:38:01.8				

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/13 10:49:49.3 1.290S 96.490E 33.0N 4.9
 Southwest of Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	11:02:27.2	86.2	96.3	1.5	30	5.2		
BRG	e P	Z	11:02:27.4	86.3	96.6	1.4	10	4.8		
WET	e P	Z	11:02:30.2	86.8	95.7	1.1	8	4.7		
WERD	e P	Z	11:02:32.5	87.3	95.3	1.4	5	4.5		
ROTZ	e P	Z	11:02:32.8	87.3	95.2	1.5	16	4.9		
MOX	e P	Z	11:02:34.2	87.8	94.8	1.2	5	4.7		
GRA1	e P	Z	11:02:35.5	87.9	94.4	1.2	24	5.4		
CLZ	e P	Z	11:02:38.7	88.6	93.9	1.3	7	4.7		
UBBA	e P	Z	11:02:39.7	88.8	93.5	1.2	5	4.6		
BSEG	e P	Z	11:02:39.4	88.8	93.9	1.6	20	5.1		
TNS	e P	Z	11:02:43.4	89.7	92.3	1.3	14	5.0		
IBBN	e P	Z	11:02:46.8	90.2	91.8	1.0	20	5.3		

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/01/13 12:46:14.3
South of Fiji Islands

19.010S 175.880E 33.0N

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 13:05:46.8	145.0	29.0					
BRG	e PKPbc	Z 13:05:48.0	145.1	30.8					
CLZ	e PKPbc	Z 13:05:47.7	145.3	24.5					
IBBN	e PKPbc	Z 13:05:49.0	145.4	20.1					
WERD	e PKPbc	Z 13:05:49.4	146.0	28.5					
MOX	e PKPbc	Z 13:05:49.9	146.0	27.3					
UBBA	e PKPbc	Z 13:05:51.3	146.3	24.6					
BUG	e PKPbc	Z 13:05:51.5	146.3	19.7					
ROTZ	e PKPbc	Z 13:05:51.5	146.6	28.9					
GEC2	e PKPbc	Z 13:05:53.5	146.9	32.0					
WET	e PKPbc	Z 13:05:53.3	146.9	30.4					
GRA1	e PKPbc	Z 13:05:52.3	147.0	27.3					
TNS	e PKPbc	Z 13:05:53.0	147.2	22.3					
BFO	e PKPbc	Z 13:05:59.4	149.0	23.3					

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/13 14:47:11.2 3.550N 98.467E 33.0N 4.8
Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:59:46.2	85.5	89.8	1.0	8	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/13

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 20:50:16.8							
CLL	e PKP	Z 20:50:16.3							
CLZ	e PKP	Z 20:50:16.9							
GRA1	e PKP	Z 20:50:19.5							
RUE	e PKP	Z 20:50:13.6							
STU	e PKP	Z 20:50:19.5							
WERD	e PKP	Z 20:50:19.1							
WLF	e PKP	Z 20:50:21.5							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/13 22:46:51.7 N 4.6
Southwest of Sumatera, Indonesia

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:00:04.8			0.8	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:07:30.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/14	02:39:34.8	51.910N	158.860E	33.0N	4.6			SZGRF
Near east coast of Kamchatka Peninsula, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 02:50:51.9	70.9	19.9	1.0	7	4.8		
RUE	e P	Z 02:50:55.8	71.6	21.9	0.6	5	4.8		
CLL	e P	Z 02:51:02.8	72.8	21.2	0.9	6	4.8		
CLZ	e P	Z 02:51:04.0	72.9	19.7	1.0	9	4.9		
BRG	e P	Z 02:51:04.3	73.0	21.8	1.1	3	4.3		
MOX	e P	Z 02:51:08.4	73.8	20.3	0.9	2	4.2		
WERD	e P	Z 02:51:08.7	73.8	20.7	1.3	5	4.4		
GRA1	e P	Z 02:51:14.9	74.7	20.0	1.1	20	5.0		
WET	e P	Z 02:51:15.5	74.9	20.9	1.1	5	4.5		
BFO	e P	Z 02:51:25.0	76.7	18.2	1.0	4	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 06:42:29.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/14	21:47:12.7	36.455N	17.161W	33.0N	4.0			SZGRF
Azores-Cape St. Vincent Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:52:28.2	24.4	247.9	1.3	6	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/14

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:06:55.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:35:32.5							
WET	e Pn	Z 02:35:39.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/15	02:41:51.6	46.047N	14.243E	10.0G			3.4	SZGRF
Northwestern Balkan Peninsula								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:42:34.9	2.8	172.3					3.1
	e Sn	N 02:43:08.6							
WET	e Pn	Z 02:42:41.5	3.2	162.9					3.0
ROTZ	e Pn	Z 02:42:51.4	4.0	159.1					3.5
	e Sn	N 02:43:35.9							
GRA1	e Sg	N 02:44:02.4	4.2	149.8					3.7
WERN	e Pn	Z 02:42:57.3	4.4	162.9					
WERD	e Pn	Z 02:42:59.5	4.6	162.9					
FBE	e Sn	E 02:43:56.5	4.9	172.8					3.5
MOX	e Pn	Z 02:43:04.7	4.9	158.2					3.4
	e Sn	Z 02:43:58.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/15	03:04:41.8	23.500S	178.810W	480.3				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 03:23:34.2	148.8	16.3					
	e PKPab	Z 03:23:39.9							
RUE	e PKPbc	Z 03:23:35.6	149.5	23.2					
CLL	e PKPbc	Z 03:23:38.7	150.7	22.6					
	e PKPab	Z 03:23:47.8							
IBBN	e PKPbc	Z 03:23:40.0	150.8	12.4					
	e PKPab	Z 03:23:48.5							
CLZ	e PKPbc	Z 03:23:39.1	150.8	17.5					
BRG	e PKPbc	Z 03:23:39.1	150.9	24.6					

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MOX	e PKPbc	Z	03:23:40.8	151.7	20.5
	e PKPab	Z	03:23:51.8		
WERD	e PKPbc	Z	03:23:40.8	151.7	21.9
GRA1	e PKPbc	Z	03:23:43.2	152.7	20.4
	e PKPab	Z	03:23:56.3		
	e pPKPab	Z	03:25:45.6		
TNS	e PKPbc	Z	03:23:43.2	152.7	14.6
GEC2	e PKPbc	Z	03:23:43.0	152.8	25.8
STU	e PKPbc	Z	03:23:46.0	154.0	16.9
	e PKPab	Z	03:24:01.4		
FUR	e PKPbc	Z	03:23:46.9	154.1	21.5
BFO	e PKPab	Z	03:24:04.0	154.5	15.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/15	11:58:28.1	7.900S	122.600E	251.0				NEIC-M
Flores Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z	12:16:25.5	107.9	80.4					
CLL	e PKP	Z	12:16:26.3	108.4	79.5					
GRA1	e Pdiff	Z	12:12:28.4	109.8	78.6					
	e PP	Z	12:17:07.7							
CLZ	e PKP	Z	12:16:30.0	109.9	77.1					
FUR	e PKP	Z	12:16:30.0	110.0	79.2					
STU	e PKP	Z	12:16:32.3	111.3	77.3					
IBBN	e PKP	Z	12:16:32.2	111.3	74.7					
BUG	e PKP	Z	12:16:33.2	111.8	74.7					
WLF	e PKP	Z	12:16:36.2	113.0	74.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/16	00:42:36.2	15.955S	173.590W	10.0N				SZGRF
Tonga Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	01:02:08.9	144.3	10.9					
MOX	e PKPbc	Z	01:02:11.4	145.1	8.8					
TNS	e PKPbc	Z	01:02:14.4	145.7	3.5					
ROTZ	e PKPbc	Z	01:02:15.0	145.9	10.0					
GRA1	e PKPbc	Z	01:02:15.6	146.0	8.3					
WLF	e PKPbc	Z	01:02:15.8	146.3	359.6					
WET	e PKPbc	Z	01:02:16.1	146.4	11.3					
GEC2	e PKPbc	Z	01:02:16.4	146.6	12.8					
STU	e PKPbc	Z	01:02:18.2	147.1	4.9					
FUR	e PKPbc	Z	01:02:19.3	147.5	8.7					
BFO	e PKPbc	Z	01:02:19.1	147.6	3.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/16	01:02:11.1	30.060N	42.640W	23.0	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	01:09:54.9	41.3	260.4	1.2	14	4.6		
BUG	e P	Z	01:10:03.1	42.3	259.4	1.3	10	4.4		
BFO	e P	Z	01:10:05.3	42.6	263.7	1.9	36	4.8		
IBBN	e P	Z	01:10:07.4	42.8	258.9	1.1	24	4.8		
	e pP	Z	01:10:13.1							
TNS	e P	Z	01:10:08.5	42.9	261.8	1.2	16	4.6		
STU	e P	Z	01:10:09.3	43.2	264.0	0.9	8	4.4		
CLZ	e P	Z	01:10:19.7	44.3	261.8	1.1	16	4.7		
	e pP	Z	01:10:25.7							
FUR	e P	Z	01:10:20.7	44.5	266.3					
GRA1	e P	Z	01:10:21.5	44.6	264.7	1.0	16	4.9		
	e pP	Z	01:10:27.6							
	e L	Z	01:26:25.4			18.9	302		4.2	
BSEG	e P	Z	01:10:21.7	44.6	259.6	1.1	41	5.3		
MOX	e P	Z	01:10:23.9	44.9	264.0	1.3	8	4.5		
ROTZ	e P	Z	01:10:26.8	45.2	265.4	1.2	10	4.6		
WERD	e P	Z	01:10:27.7	45.4	264.8	1.4	6	4.3		
WET	e P	Z	01:10:29.7	45.6	266.6	1.2	5	4.5		
CLL	e P	Z	01:10:31.9	45.9	264.6	1.0	12	4.8		
	e pP	Z	01:10:37.5							
GEC2	e P	Z	01:10:34.1	46.1	267.5	1.1	7	4.6		
	e pP	Z	01:10:39.7							
BRG	e P	Z	01:10:36.1	46.4	265.8	1.2	6	4.6		
RUE	e P	Z	01:10:36.5	46.5	264.1	1.2	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/16	10:55: 5.0	15.700S	177.900E	33.0N				GSRC-M
Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	11:14:38.7	144.3	22.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/16	14:57:57.6	4.841N	96.578E	33.0N	4.5			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	15:10:21.5	83.3	90.4	0.9	3	4.5
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 22:41:47.4							
	e Sn	E 22:42:32.0							
WERD	e Sn	E 22:42:54.7							
WET	e Pn	Z 22:41:54.2							
	e Sn	N 22:42:45.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/17								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:35:27.0			1.4	8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/18	00:23:28.9	32.462N	91.338E	33.0N	5.0			SZGRF
Xizang								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:33:31.3	59.8	74.1	1.1	20	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/18	03:52:58.9	25.700N	142.520E	33.0N	5.3			SZGRF
Volcano Islands, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 04:05:58.2	90.3	41.9	1.0	25	5.5		
BRG	e P	Z 04:06:01.3	91.0	44.8					
CLL	e P	Z 04:06:01.7	91.1	44.0	0.9	19	5.4		
CLZ	e P	Z 04:06:05.4	91.9	41.9	1.1	13	5.2		
TANN	e P	Z 04:06:05.9	92.0	43.6					
MOX	e P	Z 04:06:06.8	92.2	43.0	1.1	12	5.1		
IBBN	e P	Z 04:06:08.3	92.6	39.8					
GEC2	e P	Z 04:06:08.4	92.6	44.7	1.3	14	5.2		
ROTZ	e P	Z 04:06:09.0	92.6	43.5					
WET	e P	Z 04:06:09.3	92.8	44.0	1.4	7	4.9		
UBBA	e P	Z 04:06:09.0	92.8	41.7					

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GRA1	e P	Z	04:06:11.3	93.1	42.7	1.2	40	5.7
TNS	e P	Z	04:06:14.4	93.9	40.5	1.1	10	5.0
FUR	e P	Z	04:06:16.0	94.2	42.8			
STU	e P	Z	04:06:18.0	94.7	41.1			
WLF	e P	Z	04:06:21.1	95.3	38.6			
BFO	e P	Z	04:06:20.9	95.4	40.5	1.1	14	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/18	14:25:34.9	38.820N	142.188E	33.0N	5.5	5.5		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 14:37:32.7	78.4	36.3	1.3	73	5.6		
BRG	e P	Z 14:37:38.2	79.5	38.5	1.3	48	5.3		
CLL	e P	Z 14:37:38.0	79.5	37.9	1.2	74	5.5		
CLZ	e P	Z 14:37:41.8	80.1	36.1	1.2	74	5.5		
TANN	e P	Z 14:37:43.3	80.5	37.4	1.5	42	5.2		
MOX	e P	Z 14:37:44.0	80.6	36.9	1.3	45	5.3		
IBBN	e P	Z 14:37:44.3	80.6	34.3					
UBBA	e P	Z 14:37:46.3	81.1	35.8					
ROTZ	e P	Z 14:37:47.1	81.1	37.2	1.4	118	5.7		
GEC2	e P	Z 14:37:47.0	81.2	38.1	1.3	66	5.6		
WET	e P	Z 14:37:48.0	81.3	37.6	1.3	45	5.4		
GRA1	e P	Z 14:37:49.4	81.5	36.5	1.1	131	6.0		
	e L	Z 15:17:34.3			19.2	1817		5.5	
BUG	e P	Z 14:37:48.7	81.5	33.9	1.2	34	5.4		
TNS	e P	Z 14:37:52.0	82.1	34.6	1.3	33	5.3		
FUR	e P	Z 14:37:55.2	82.7	36.4	1.1	85	5.9		
STU	e P	Z 14:37:56.7	83.0	35.0	1.2	69	5.8		
WLF	e P	Z 14:37:59.1	83.4	33.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/18	18:59:46.6	16.520N	93.447W	33.0N	5.4			SZGRF

Chiapas, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 19:12:11.0	83.5	287.9					
BUG	e P	Z 19:12:11.8	83.6	288.6					
IBBN	e P	Z 19:12:11.6	83.6	288.9					
BSEG	e P	Z 19:12:16.0	84.5	290.7	1.0	48	5.7		
TNS	e P	Z 19:12:17.2	84.7	289.6	0.8	64	5.9		
BFO	e P	Z 19:12:19.5	85.3	289.7	1.1	19	5.2		
CLZ	e P	Z 19:12:20.2	85.3	290.9	1.1	33	5.5		
UBBA	e P	Z 19:12:20.8	85.4	290.7					
STU	e P	Z 19:12:21.8	85.7	290.3	0.8	46	5.6		

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MOX	e P	Z	19:12:25.7	86.5	291.9	0.9	14	5.1
GRA1	e P	Z	19:12:26.8	86.6	291.7	1.1	38	5.4
CLL	e P	Z	19:12:28.3	87.0	293.0			
TANN	e P	Z	19:12:28.9	87.0	292.6			
NOTT	e P	Z	19:12:29.5	87.1	292.4			
ROTZ	e P	Z	19:12:29.6	87.1	292.4			
BRG	e P	Z	19:12:31.3	87.7	293.7			
WET	e P	Z	19:12:32.1	87.8	293.0	0.8	11	5.2
GEC2	e P	Z	19:12:34.8	88.4	293.6	1.0	19	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/18	23:43:9.0	35.900S	100.200W	10.0N				NEIR-M

Southeast of Easter Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:02:18.0	129.7	258.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/19	01:26:13.9	16.736S	172.937W	33.0N				SZGRF

Samoa Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 01:45:37.8	142.7	5.1					
RUE	e PKPbc	Z 01:45:41.6	143.9	11.0					
IBBN	e PKPbc	Z 01:45:44.1	144.4	1.1					
CLZ	e PKPbc	Z 01:45:45.1	144.8	5.5					
CLL	e PKPbc	Z 01:45:45.6	145.1	10.0					
BUG	e PKPbc	Z 01:45:46.3	145.3	0.3					
BRG	e PKPbc	Z 01:45:46.8	145.4	11.7					
MOX	e PKPbc	Z 01:45:48.1	145.9	7.8					
WERD	e PKPbc	Z 01:45:48.5	146.0	9.0					
TNS	e PKPbc	Z 01:45:49.9	146.5	2.4					
NOTT	e PKPbc	Z 01:45:50.7	146.7	8.8					
ROTZ	e PKPbc	Z 01:45:50.5	146.7	9.0					
GRA1	e PKPbc	Z 01:45:52.4	146.9	7.3					
WLF	e PKPbc	Z 01:45:52.1	147.1	358.4					
GEC2	e PKPbc	Z 01:45:51.9	147.4	11.9					
STU	e PKPbc	Z 01:45:53.7	147.9	3.8					
FUR	e PKPbc	Z 01:45:54.5	148.4	7.7					
BFO	e PKPbc	Z 01:45:54.5	148.4	2.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/19	05:37:38.7	17.000S	174.750W	122.1				SZGRF

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	05:57:00.6	144.9	8.5					
UBBA	e PKPbc	Z	05:57:03.3	146.0	8.1					
MOX	e PKPbc	Z	05:57:02.9	146.0	10.9					
	e pPKPbc	Z	05:57:36.2							
WERD	e PKPbc	Z	05:57:03.5	146.1	12.2					
TNS	e PKPbc	Z	05:57:05.7	146.7	5.6					
	e pPKPbc	Z	05:57:38.1							
NOTT	e PKPbc	Z	05:57:06.5	146.7	12.0					
	e pPKPbc	Z	05:57:39.3							
ROTZ	e PKPbc	Z	05:57:06.0	146.8	12.2					
GRA1	e PKP	Z	05:57:06.7	147.0	10.5					
	e pPKPbc	Z	05:57:39.1							
WLF	e PKPbc	Z	05:57:07.8	147.3	1.6					
	e pPKPbc	Z	05:57:39.4							
GEC2	e PKPbc	Z	05:57:07.8	147.4	15.1					
	e pPKPbc	Z	05:57:40.0							
FUR	e PKPbc	Z	05:57:11.2	148.4	11.1					
BFO	e PKPbc	Z	05:57:10.8	148.6	5.7					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/19 07:24:40.6 N SZGRF
 Southern Pacific Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	07:44:30.3							
CLL	e PKPbc	Z	07:44:29.4							
CLZ	e PKPbc	Z	07:44:26.4							
GEC2	e PKPbc	Z	07:44:26.9							
MOX	e PKPbc	Z	07:44:26.9							
WERD	e PKPbc	Z	07:44:26.7							
WLF	e PKPbc	Z	07:44:17.0							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/20

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	01:02:06.3							
	e Sn	E	01:02:37.9							
WET	e Pn	Z	01:02:16.4							
	e Sn	E	01:02:53.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/20	08:53:49.4	30.460N	42.060W	33.0N	5.5	5.3		SZGRF

Northern Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	09:01:27.9	40.7	260.3	1.1	69	5.3		
BUG	e P	Z	09:01:36.0	41.7	259.3	1.1	53	5.2		
BFO	e P	Z	09:01:37.8	41.9	263.7	2.1	255	5.6		
IBBN	e P	Z	09:01:39.8	42.2	258.8	1.3	142	5.5		
TNS	e P	Z	09:01:41.2	42.2	261.7	1.4	92	5.3		
STU	e P	Z	09:01:42.6	42.5	263.9	1.3	61	5.2		
CLZ	e P	Z	09:01:52.5	43.7	261.7	1.1	91	5.4		
FUR	e P	Z	09:01:54.0	43.9	266.2	1.4	61	5.2		
GRA1	e P	Z	09:01:54.5	43.9	264.6	1.6	322	5.8		
	e S	E	09:08:29.8							
	e L	Z	09:17:14.1			18.2	3690		5.3	
BSEG	e P	Z	09:01:54.7	44.0	259.5	1.3	279	5.8		
MOX	e P	Z	09:01:57.1	44.3	264.0	1.7	130	5.4		
NOTT	e P	Z	09:02:00.0	44.5	265.2	1.7	150	5.7		
ROTZ	e P	Z	09:01:59.5	44.6	265.4	1.7	117	5.5		
WERD	e P	Z	09:02:00.2	44.7	264.7	1.3	28	5.0		
WET	e P	Z	09:02:02.5	45.0	266.5	2.0	152	5.6		
CLL	e P	Z	09:02:04.5	45.2	264.5	1.1	56	5.4		
GEC2	e P	Z	09:02:06.9	45.5	267.5	1.7	188	5.9		
BRG	e P	Z	09:02:09.0	45.8	265.7	1.4	56	5.4		
RUE	e P	Z	09:02:09.5	45.8	264.0	1.2	93	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/20	17:51:53.8	22.960S	173.590E	33.0G		5.6		SZGRF

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	18:11:31.7	146.7	35.4					
CLL	e PKPbc	Z	18:11:35.1	147.9	35.2					
BRG	e PKPbc	Z	18:11:35.3	147.9	37.1					
CLZ	e PKPbc	Z	18:11:36.5	148.4	30.5					
WERD	e PKPbc	Z	18:11:37.9	148.9	34.9					
MOX	e PKPbc	Z	18:11:38.6	149.0	33.6					
NOTT	e PKPbc	Z	18:11:39.1	149.5	35.2					
ROTZ	e PKPbc	Z	18:11:39.6	149.5	35.4					
GEC2	e PKPbc	Z	18:11:39.5	149.6	38.8					
WET	e PKPbc	Z	18:11:40.6	149.7	37.1					
GRA1	e PKP	Z	18:11:39.7	149.9	33.8					
	e L	Z	19:27:21.5			19.8	956		5.6	
TNS	e PKPbc	Z	18:11:41.1	150.4	28.5					
STU	e PKPbc	Z	18:11:44.3	151.4	31.1					

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WLF	e	PKPbc	Z	18:11:45.0	151.5	24.8
BFO	e	PKPbc	Z	18:11:45.7	152.1	30.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/20	19:20:21.0	17.691S	176.532W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	19:39:49.0	143.4	11.0			
RUE	e	PKPbc	Z	19:39:51.7	144.3	17.0			
CLZ	e	PKPbc	Z	19:39:55.1	145.4	11.6			
CLL	e	PKPbc	Z	19:39:55.5	145.5	16.2			
BRG	e	PKPbc	Z	19:39:56.3	145.8	17.9			
WERD	e	PKPbc	Z	19:39:58.2	146.5	15.4			
NOTT	e	PKPbc	Z	19:40:01.1	147.1	15.3			
ROTZ	e	PKPbc	Z	19:40:00.4	147.2	15.5			
TNS	e	PKPbc	Z	19:40:00.8	147.2	8.8			
GRA1	e	PKPbc	Z	19:40:01.0	147.4	13.8			
GEC2	e	PKPbc	Z	19:40:01.4	147.8	18.5			
WLF	e	PKPbc	Z	19:40:03.4	148.0	4.8			
FUR	e	PKPbc	Z	19:40:04.7	148.9	14.5			
BFO	e	PKPbc	Z	19:40:04.5	149.1	9.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/20	19:36:29.3	37.247N	74.700E	33.0N	4.9			SZGRF

Tajikistan-Xinjiang border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z	19:44:35.7	44.4	83.4			
GEC2	e	P	Z	19:44:39.7	44.8	81.2			
CLL	e	P	Z	19:44:39.6	44.9	83.2			
TANN	e	P	Z	19:44:43.5	45.4	81.9			
NOTT	e	P	Z	19:44:47.8	45.7	81.1			
MOX	e	P	Z	19:44:47.6	45.9	81.6			
BSEG	e	P	Z	19:44:50.7	46.2	83.8	0.9	11	4.9
GRA1	e	P	Z	19:44:51.8	46.3	80.4	0.9	13	4.9
CLZ	e	P	Z	19:44:52.4	46.5	81.8			
FUR	e	P	Z	19:44:53.0	46.5	79.0	1.1	11	4.9
UBBA	e	P	Z	19:44:55.1	46.8	80.6			
TNS	e	P	Z	19:45:03.7	47.9	79.1			
IBBN	e	P	Z	19:45:04.0	48.0	80.4			
WLF	e	P	Z	19:45:16.2	49.5	77.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21	04:06:56.3	12.440N	93.880E	33.0N	5.8	5.2		SZGRF

Andaman Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 04:18:31.0	74.1	89.8	0.8	62	5.7		
RUE	e P	Z 04:18:31.3	74.2	90.1	0.8	147	6.1		
GEC2	e P	Z 04:18:31.9	74.2	89.0	0.8	136	6.0		
CLL	e P	Z 04:18:34.0	74.6	89.2	0.9	34	5.4		
WET	e P	Z 04:18:35.1	74.8	88.5	0.9	43	5.5		
WERD	e P	Z 04:18:36.8	75.1	88.4	0.9	49	5.5		
ROTZ	e P	Z 04:18:38.0	75.2	88.2	0.9	98	5.8		
NOTT	e P	Z 04:18:39.2	75.2	88.1	1.3	137	5.8		
MOX	e P	Z 04:18:39.4	75.5	87.9	0.8	36	5.6		
GRA1	e P	Z 04:18:41.6	75.8	87.4	0.9	85	5.9		
	e L	Z 04:56:57.4			21.5	1234		5.2	
FUR	e P	Z 04:18:40.9	75.9	87.0	0.9	56	5.7		
BSEG	e P	Z 04:18:43.5	76.2	87.7	0.9	91	5.9		
CLZ	e P	Z 04:18:43.6	76.3	87.3	0.8	73	5.8		
STU	e P	Z 04:18:48.8	77.2	85.6	2.0	1291	6.7		
TNS	e P	Z 04:18:51.1	77.6	85.4	0.8	37	5.6		
BFO	e P	Z 04:18:51.8	77.8	84.9	3.2	6416	7.2		
IBBN	e P	Z 04:18:52.6	77.8	85.3	0.9	105	5.9		
BUG	e P	Z 04:18:54.6	78.2	84.8	0.8	60	5.8		
WLF	e P	Z 04:19:00.1	79.1	83.6	0.9	21	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21	05:05:56.0	13.200S	166.900E	177.0N				NEIR-M

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 05:25:02.9	138.4	37.2					
	e SKPdf	Z 05:28:21.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21	06:20: 1.4	46.522N	14.417E	10.0G			2.7	SZGRF

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e Pn	Z 06:20:17.4	0.9	126.8					2.2
	e Sg	Z 06:20:29.8							
ARSA	e Pn	Z 06:20:20.0	1.0	226.5					1.9
	e Sg	Z 06:20:34.1							
MOA	e Pn	Z 06:20:26.1	1.3	175.5					
WTTA	e Sg	E 06:21:06.5	2.0	110.3					

GEC2	e Pn	Z	06:20:40.4	2.4	168.0								2.6
	e Sg	E	06:21:16.0										
FUR	e Sg	E	06:21:26.5	2.7	126.5								3.1
WET	e Pn	Z	06:20:47.3	2.8	157.9								3.0
ROTZ	e Sg	N	06:21:53.5	3.6	154.7								
NOTT	e Sg	N	06:21:56.7	3.6	154.2								
GRA1	e Sg	N	06:22:03.5	3.8	144.9								
TANN	e Sg	N	06:22:12.3	4.1	160.8								
MOX	e Pn	Z	06:21:10.1	4.5	154.7								3.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:26:25.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 22:31:25.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/21	22:36:29.0	5.500S	154.100E	462.0N				NEIR-M
Bougainville - Solomon Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 22:54:38.3	125.9	47.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/22								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:29:09.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/22	07:07:44.5	24.660N	121.140E	33.0N	4.9	4.9		SZGRF
Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 07:19:58.0	81.1	61.5	1.2	5	4.4		
CLL	e P	Z 07:19:59.1	81.4	60.9	1.0	5	4.6		
BSEG	e P	Z 07:20:01.0	81.5	59.2	1.3	9	4.7		
GEC2	e P	Z 07:20:04.1	82.2	61.0	1.1	14	5.0		
WERD	e P	Z 07:20:04.8	82.2	60.2	1.6	7	4.5		
MOX	e P	Z 07:20:05.8	82.5	59.8	1.4	12	4.9		
WET	e P	Z 07:20:06.2	82.6	60.5	1.5	9	4.8		
CLZ	e P	Z 07:20:06.4	82.6	59.0	1.5	17	5.1		
ROTZ	e P	Z 07:20:06.4	82.6	60.1	1.2	13	5.0		
NOTT	e P	Z 07:20:07.3	82.7	60.0	1.5	14	5.0		
GRA1	e P	Z 07:20:09.3	83.2	59.4	1.5	26	5.2		
	e L	Z 08:03:00.9			18.2	422		4.9	
IBBN	e P	Z 07:20:11.9	83.7	57.1	1.2	11	5.0		
FUR	e P	Z 07:20:13.5	84.0	59.3	1.1	22	5.3		
BUG	e P	Z 07:20:15.0	84.4	56.6	1.2	13	5.0		
TNS	e P	Z 07:20:15.8	84.5	57.4	1.3	6	4.7		
STU	e P	Z 07:20:17.4	84.8	57.8					
BFO	e P	Z 07:20:20.6	85.6	57.2	1.4	5	4.5		
WLF	e P	Z 07:20:23.6	86.0	55.7	1.4	23	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/22 11:15:40.0 22.290S 174.900E 33.0G 4.6
 Southeast of Loyalty Islands SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 11:35:17.3	146.3	26.3					
RUE	e PKPbc	Z 11:35:17.8	146.5	32.9					
CLL	e PKPbc	Z 11:35:21.3	147.8	32.6					
BRG	e PKPbc	Z 11:35:21.5	147.8	34.5					
CLZ	e PKPbc	Z 11:35:22.9	148.1	27.9					
IBBN	e PKPbc	Z 11:35:23.4	148.4	23.1					
WERD	e PKPbc	Z 11:35:23.8	148.7	32.2					
MOX	e PKPbc	Z 11:35:23.9	148.8	30.9					
BUG	e PKPbc	Z 11:35:25.2	149.3	22.9					
NOTT	e PKPbc	Z 11:35:26.3	149.3	32.5					
ROTZ	e PKPbc	Z 11:35:25.4	149.3	32.7					
	e PKPab	Z 11:35:29.9							
GEC2	e PKPbc	Z 11:35:25.7	149.5	36.0					
WET	e PKPbc	Z 11:35:26.0	149.6	34.4					
GRA1	e PKPbc	Z 11:35:26.4	149.7	31.1					
	e PKPab	Z 11:35:31.9							
	e L	Z 12:40:21.7			21.3	109		4.6	
TNS	e PKPbc	Z 11:35:27.3	150.1	25.8					
	e PKPab	Z 11:35:33.4							
FUR	e PKPbc	Z 11:35:29.4	151.0	32.6					
	e PKPab	Z 11:35:37.0							

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STU	e	PKPbc	Z	11:35:29.9	151.2	28.3
WLF	e	PKPbc	Z	11:35:30.7	151.2	22.0
	e	PKPab	Z	11:35:38.0		
BFO	e	PKPbc	Z	11:35:31.4	151.8	27.1
	e	PKPab	Z	11:35:40.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/22								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	PKP	Z	11:56:46.7					
BSEG	e	PKP	Z	11:56:41.4					
CLL	e	PKP	Z	11:56:46.3					
CLZ	e	PKP	Z	11:56:46.5					
IBBN	e	PKP	Z	11:56:50.7					
TNS	e	PKP	Z	11:56:54.5					
WERD	e	PKP	Z	11:56:52.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/22	16:09:52.9	13.492N	90.672W	67.3	4.5			SZGRF
Near coast of Guatemala								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	16:22:31.9	87.2	287.7	0.9	4	4.5
	e	pP	Z	16:22:50.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/22								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	19:08:12.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/23	04:19: 2.5	24.360N	121.280E	33.0N	4.9	4.7		SZGRF
Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e	P	Z	04:31:14.9	80.8	61.7	0.6	7	4.8
BRG	e	P	Z	04:31:17.3	81.5	61.6	1.4	7	4.6
CLL	e	P	Z	04:31:19.0	81.8	60.9	1.4	7	4.6
GEC2	e	P	Z	04:31:23.5	82.6	61.1	1.2	17	5.2

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WERD	e P	Z	04:31:23.4	82.6	60.3	1.5	5	4.5			
CLZ	e P	Z	04:31:25.3	82.9	59.0	1.3	9	4.8			
ROTZ	e P	Z	04:31:25.4	83.0	60.2	1.1	9	4.9			
NOTT	e P	Z	04:31:26.4	83.0	60.1	1.4	10	4.9			
GRA1	e P	Z	04:31:28.8	83.5	59.4	0.8	8	5.0			
	e L	Z	05:13:43.1			18.6	271			4.7	
IBBN	e P	Z	04:31:31.5	84.0	57.1	0.5	6	5.1			
FUR	e P	Z	04:31:32.9	84.3	59.3	1.0	25	5.4			
BUG	e P	Z	04:31:35.1	84.8	56.7						
TNS	e P	Z	04:31:34.5	84.8	57.5	1.5	10	4.8			
WLF	e P	Z	04:31:42.4	86.3	55.7	1.2	13	4.9			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:58:47.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/23	06:02:57.0	17.300S	167.700E	33.0N		6.2		GSRC-M
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 06:22:20.9	141.1	35.9					
NOTT	e PKPbc	Z 06:22:24.1	142.0	39.9					
GEC2	e PKPbc	Z 06:22:24.0	142.1	42.9					
GRA1	e PKPbc	Z 06:22:25.5	142.5	38.7					
	e PP	Z 06:25:43.3							
	e SS	N 06:44:18.3							
	e L	Z 07:25:53.1			19.7	4281		6.2	
TNS	e PKPbc	Z 06:22:26.6	143.1	34.3					
FUR	e PKPbc	Z 06:22:27.0	143.6	40.1					
STU	e PKPbc	Z 06:22:28.8	144.0	36.5					
BFO	e PKPbc	Z 06:22:30.2	144.7	35.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/23	13:16:37.3	23.870S	177.030E	555.7				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 13:35:19.3	148.3	23.6					
	e PKPab	Z 13:35:27.8							
RUE	e PKPbc	Z 13:35:20.5	148.7	30.5					

	e PKPab	Z	13:35:29.5		
CLL	e PKPbc	Z	13:35:23.2	149.9	30.2
	e PKPab	Z	13:35:33.1		
BRG	e PKPbc	Z	13:35:23.3	150.0	32.1
CLZ	e PKPbc	Z	13:35:23.9	150.2	25.1
IBBN	e PKPbc	Z	13:35:24.4	150.4	20.2
	e PKPab	Z	13:35:36.4		
WERD	e PKPbc	Z	13:35:25.4	150.9	29.7
	e PKPab	Z	13:35:38.7		
	e pPKPab	Z	13:37:43.7		
MOX	e PKPbc	Z	13:35:25.4	150.9	28.3
	e PKPab	Z	13:35:39.2		
BUG	e PKPab	Z	13:35:39.6	151.3	19.8
NOTT	e PKPbc	Z	13:35:27.8	151.5	29.9
	e PKPab	Z	13:35:42.1		
ROTZ	e PKPbc	Z	13:35:26.8	151.5	30.1
	e PKPab	Z	13:35:42.3		
	e pPKPab	Z	13:37:44.1		
GEC2	e PKPbc	Z	13:35:27.3	151.8	33.7
	e pPKPab	Z	13:37:45.8		
WET	e PKPbc	Z	13:35:27.6	151.8	31.9
GRA1	e PKPbc	Z	13:35:27.6	151.9	28.4
	e PKPab	Z	13:35:43.7		
TNS	e PKPbc	Z	13:35:28.3	152.2	22.8
	e PKPab	Z	13:35:43.8		
WLF	e PKPab	Z	13:35:48.9	153.2	18.8
BFO	e PKPbc	Z	13:35:31.9	154.0	24.1
	e PKPab	Z	13:35:52.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/23 14:20:0.0 6.600N 126.600E 66.0N
 Mindanao, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 14:33:43.4	100.8	66.0					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/23 20:50:56.0 8.120N 76.550W 33.0N 6.1 5.9
 Near north coast of Colombia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 21:02:58.6	79.1	269.7	1.0	320	6.3		
BUG	e P	Z 21:03:02.1	79.8	270.3	1.1	181	5.9		
IBBN	e P	Z 21:03:03.7	80.1	270.5	1.1	244	6.0		
BFO	e P	Z 21:03:05.5	80.5	271.6	1.0	59	5.6		

TNS	e P	Z	21:03:06.4	80.6	271.4	1.4	219	6.0		
STU	e P	Z	21:03:08.8	81.1	272.2	1.1	177	6.0		
BSEG	e P	Z	21:03:11.6	81.6	272.3	1.0	120	6.0		
CLZ	e P	Z	21:03:12.6	81.7	272.6	1.2	158	6.0		
GRA1	e P	Z	21:03:15.9	82.4	273.6	1.3	288	6.2		
	e S	N	21:13:37.4							
	e L	Z	21:38:06.0			20.4	4882		5.9	
FUR	e P	Z	21:03:16.5	82.5	273.8	2.2	819	6.6		
MOX	e P	Z	21:03:16.7	82.6	273.8	2.1	271	6.1		
ROTZ	e P	Z	21:03:19.5	83.0	274.3	2.2	927	6.6		
WERD	e P	Z	21:03:19.1	83.0	274.3	1.2	82	5.8		
CLL	e P	Z	21:03:21.0	83.4	274.8	1.3	141	6.0		
WET	e P	Z	21:03:21.8	83.5	274.9	1.5	301	6.3		
RUE	e P	Z	21:03:22.8	83.8	275.2	1.5	303	6.3		
BRG	e P	Z	21:03:24.3	84.0	275.5	1.2	113	6.0		
GEC2	e P	Z	21:03:24.4	84.1	275.6	1.2	278	6.3		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/23 21:29: 5.3 45.722N 15.741E 10.0G 3.7 SZGRF
 Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	21:29:57.8	3.4	155.4					3.6
	e Sn	N	21:30:36.1							
WET	e Pn	Z	21:30:04.9	3.9	149.4					3.4
	e Sn	N	21:30:48.2							
ROTZ	e Pn	Z	21:30:14.8	4.7	148.2					3.9
	e Sn	N	21:31:06.1							
NOTT	e Pn	Z	21:30:16.4	4.8	147.9					3.8
GRA1	e Pn	Z	21:30:19.1	5.0	140.9					4.2
	e Sn	N	21:31:13.3							
WERN	e Pn	Z	21:30:20.1	5.1	152.5					3.5
	e Sn	E	21:31:14.8							
TANN	e Pn	Z	21:30:21.8	5.2	153.7					3.8
WERD	e Pn	Z	21:30:22.8	5.3	152.8					3.3
BRG	e Pn	Z	21:30:22.5	5.3	166.2					3.6
FBE	e Pn	Z	21:30:25.8	5.4	162.1					3.8
MOX	e Pn	Z	21:30:27.9	5.6	149.2					3.7
	e Sn	N	21:31:28.7							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/24 00:37:42.9 33.645N 135.295E 33.0N 4.7 4.9
 Near south coast of western Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	00:50:05.6	83.1	44.0	1.0	5	4.7
	e L	Z	01:34:40.1			19.2	522	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/24	02:15:55.1	7.900N	76.050W	33.0N	5.3	4.8		SZGRF

Northern Colombia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 02:27:56.5	78.9	269.2	1.1	50	5.4		
BUG	e P	Z 02:28:00.0	79.7	269.7	1.7	58	5.2		
IBBN	e P	Z 02:28:01.7	80.0	270.0	1.6	78	5.4		
BFO	e P	Z 02:28:03.3	80.4	271.1	1.4	18	4.8		
TNS	e P	Z 02:28:04.3	80.4	270.9	1.4	45	5.2		
STU	e P	Z 02:28:06.6	80.9	271.7	1.4	43	5.3		
BSEG	e P	Z 02:28:09.6	81.5	271.7	2.2	123	5.7		
CLZ	e P	Z 02:28:10.5	81.6	272.1	1.4	34	5.3		
GRA1	e P	Z 02:28:13.9	82.2	273.1	1.4	46	5.4		
	e L	Z 03:00:38.1			21.0	456		4.8	
MOX	e P	Z 02:28:14.6	82.4	273.2	1.5	18	5.0		
ROTZ	e P	Z 02:28:17.4	82.9	273.8	1.8	65	5.5		
WERD	e P	Z 02:28:17.0	82.9	273.8	1.5	21	5.1		
CLL	e P	Z 02:28:18.9	83.3	274.2	1.6	44	5.4		
WET	e P	Z 02:28:19.7	83.3	274.4	1.6	61	5.6		
RUE	e P	Z 02:28:21.1	83.6	274.7	1.7	71	5.6		
BRG	e P	Z 02:28:22.2	83.9	275.0	1.7	39	5.4		
GEC2	e P	Z 02:28:22.2	83.9	275.0	1.3	55	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/24	03:05:28.8	33.950N	139.780E	33.0N	4.8			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 03:17:51.4	82.7	42.7	0.8	3	4.6		
CLL	e P	Z 03:17:51.6	82.8	42.0	0.9	5	4.8		
CLZ	e P	Z 03:17:55.7	83.5	40.2	1.1	7	4.8		
WERD	e P	Z 03:17:56.9	83.7	41.5	1.2	3	4.4		
MOX	e P	Z 03:17:57.5	83.9	41.0	1.1	5	4.6		
ROTZ	e P	Z 03:18:00.1	84.3	41.4	1.6	33	5.3		
GEC2	e P	Z 03:17:59.5	84.3	42.4	0.8	7	4.9		
WET	e P	Z 03:18:00.4	84.5	41.8	1.2	6	4.7		
GRA1	e P	Z 03:18:02.6	84.8	40.6	0.9	26	5.5		
BUG	e P	Z 03:18:03.1	85.0	37.9	0.7	6	5.0		
TNS	e P	Z 03:18:05.8	85.5	38.7	0.7	3	4.5		
FUR	e P	Z 03:18:07.9	85.9	40.6	0.8	11	5.1		
STU	e P	Z 03:18:10.0	86.3	39.1	1.1	6	4.6		

BFO e P Z 03:18:12.7 87.0 38.5 1.2 5 4.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/25 01:10:53.5 17.186S 167.484E 87* 5.0
 Vanuatu Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKP Z 01:30:12.4 142.4 37.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/25

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKP Z 11:54:33.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/25

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 BFO e PKP Z 15:53:52.1
 BRG e PKP Z 15:53:43.5
 CLL e PKP Z 15:53:43.1
 CLZ e PKP Z 15:53:42.8
 GEC2 e PKP Z 15:53:48.7
 MOX e PKP Z 15:53:45.7
 ROTZ e PKP Z 15:53:47.5
 TNS e PKP Z 15:53:48.1

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/25 21:55:34.0 22.600S 174.600W 200 5.0
 Tonga Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKP Z 22:15:12.4 151.7 11.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/26 01:16:31.6 27.490S 177.970W 33.0N 5.4
 Kermadec Islands region

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Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPab	Z	01:36:39.8	153.5	23.9					
CLL	e PKPab	Z	01:36:44.8	154.8	23.3					
IBBN	e PKPab	Z	01:36:45.7	154.8	12.0					
CLZ	e PKPab	Z	01:36:45.6	154.9	17.6					
BRG	e PKPab	Z	01:36:45.5	154.9	25.6					
BUG	e PKPab	Z	01:36:49.3	155.7	11.4					
MOX	e PKPab	Z	01:36:48.8	155.7	21.1					
WERD	e PKPab	Z	01:36:49.2	155.7	22.7					
NOTT	e PKPab	Z	01:36:53.0	156.4	22.8					
ROTZ	e PKPab	Z	01:36:52.5	156.4	23.0					
GRA1	e PKPab	Z	01:36:53.3	156.7	21.0					
	e L	Z	02:59:30.5			21.2	601		5.4	
TNS	e PKPab	Z	01:36:52.8	156.7	14.5					
WET	e PKPab	Z	01:36:54.1	156.8	25.1					
GEC2	e PKPab	Z	01:36:53.7	156.8	27.1					
WLF	e PKPab	Z	01:36:57.7	157.6	9.6					
FUR	e PKPab	Z	01:36:59.8	158.1	22.5					
BFO	e PKPab	Z	01:37:01.4	158.6	15.5					

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/26

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	04:51:23.8							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/26

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	04:53:02.2							
	e Sn	E	04:53:33.6							
WET	e Pn	Z	04:53:13.4							
	e Sn	N	04:53:48.5							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/26 06:32:32.9
South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z	06:52:40.4	153.9	25.2					
BRG	e PKPab	Z	06:52:41.2	154.1	27.4					
CLZ	e PKPab	Z	06:52:41.4	154.1	19.6					

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NOTT	e	PKPab	Z	06:52:48.0	155.5	24.8
ROTZ	e	PKPab	Z	06:52:48.0	155.5	25.0
GRA1	e	PKPab	Z	06:52:49.1	155.9	23.0
WET	e	PKPab	Z	06:52:48.8	155.9	27.0
GEC2	e	PKPab	Z	06:52:49.0	155.9	29.0
TNS	e	PKPab	Z	06:52:49.2	156.0	16.7
BFO	e	PKPab	Z	06:52:57.3	157.8	17.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 14:00:35.8							
	e Sn	N 14:01:09.3							
WET	e Pn	Z 14:00:48.7							
	e Sn	E 14:01:22.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	14:04: 7.4	17.070S	175.430W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 14:23:39.6	144.9	9.7					
CLL	e PKPbc	Z 14:23:39.7	145.1	14.2					
MOX	e PKPbc	Z 14:23:43.0	146.0	12.1					
WERD	e PKPbc	Z 14:23:43.2	146.0	13.3					
NOTT	e PKPbc	Z 14:23:46.4	146.7	13.2					
TNS	e PKPbc	Z 14:23:45.2	146.7	6.8					
ROTZ	e PKPbc	Z 14:23:45.9	146.7	13.4					
GRA1	e PKPbc	Z 14:23:46.7	146.9	11.7					
WET	e PKPbc	Z 14:23:47.6	147.2	14.8					
GEC2	e PKPbc	Z 14:23:47.2	147.4	16.3					
WLF	e PKPbc	Z 14:23:47.9	147.4	2.8					
FUR	e PKPbc	Z 14:23:50.9	148.4	12.3					
BFO	e PKPbc	Z 14:23:50.8	148.6	6.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	15:42:30.9	46.591N	14.354E	10.0G			3.2	SZGRF
Northwestern Balkan Peninsula								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 15:43:07.5	2.3	168.7					2.9
	e Sg	N 15:43:43.3							

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WET	e Pn	Z	15:43:14.4	2.7	158.3	2.8
	e Sg	E	15:43:58.0			
ROTZ	e Sg	E	15:44:19.5	3.5	154.9	3.3
NOTT	e Sg	N	15:44:23.9	3.5	154.4	3.2
GRA1	e Sg	N	15:44:28.8	3.7	144.8	3.8
WERN	e Pn	Z	15:43:30.0	3.9	159.7	3.0
	e Sg	N	15:44:35.2			
TANN	e Pn	Z	15:43:30.7	4.0	161.1	3.3
	e Sg	N	15:44:38.6			
MOX	e Pn	Z	15:43:37.2	4.4	154.9	3.2
	e Sg	E	15:44:52.1			
CLL	e Sg	E	15:45:01.8	4.8	168.8	3.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/01/26

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 16:50:57.3							
	e Sg	N 16:51:32.0							
WET	e Pn	Z 16:51:03.7							
	e Sg	E 16:51:47.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	16:57:29.4	58.500N	119.500E	33.0N	5.0			SZGRF

East of Lake Baykal, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 17:06:58.7	55.0	37.9	1.2	9	4.7		
CLL	e P	Z 17:06:58.8	55.1	37.7	2.4	70	5.3		
CLZ	e P	Z 17:07:03.6	55.6	36.7	2.2	47	5.1		
WERD	e P	Z 17:07:06.2	56.0	37.0	2.0	23	4.9		
MOX	e P	Z 17:07:06.6	56.1	36.8	0.8	8	4.8		
NOTT	e P	Z 17:07:11.4	56.6	36.7	1.3	16	4.9		
ROTZ	e P	Z 17:07:10.5	56.6	36.7	0.9	11	4.9		
GEC2	e P	Z 17:07:10.9	56.7	37.0	0.9	11	4.9		
WET	e P	Z 17:07:12.1	56.8	36.7	1.1	14	4.9		
GRA1	e P	Z 17:07:13.6	57.0	36.3	2.0	84	5.4		
FUR	e P	Z 17:07:22.1	58.2	35.7	1.2	28	5.2		
BFO	e P	Z 17:07:28.5	59.2	34.5	1.3	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	18:40:14.7	36.336N	68.767E	33.0N	4.4			SZGRF

Hindu Kush, Afghanistan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:48:11.1	43.0	85.5	0.9	6	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:23:50.8							
	e Sg	E 20:24:23.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	23:05:20.6	43.512N	146.392E	33.0N	4.8			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 23:17:02.0	75.6	31.3	0.8	6	4.8		
RUE	e P	Z 23:17:02.6	75.7	33.4	0.7	6	4.8		
CLL	e P	Z 23:17:09.3	76.9	32.8	0.8	13	5.1		
BRG	e P	Z 23:17:09.7	77.0	33.3					
CLZ	e P	Z 23:17:12.1	77.4	31.1	0.6	7	5.0		
IBBN	e P	Z 23:17:14.3	77.8	29.4	0.6	13	5.2		
MOX	e P	Z 23:17:15.3	78.0	31.8	0.7	2	4.4		
NOTT	e P	Z 23:17:19.1	78.5	32.0					
ROTZ	e P	Z 23:17:18.7	78.5	32.1	1.1	6	4.6		
BUG	e P	Z 23:17:19.1	78.7	29.0	0.6	8	4.9		
WET	e P	Z 23:17:19.9	78.8	32.4	1.0	5	4.5		
GRA1	e P	Z 23:17:21.1	78.9	31.4	1.0	20	5.1		
TNS	e P	Z 23:17:23.2	79.4	29.6	0.7	2	4.3		
STU	e P	Z 23:17:28.4	80.4	30.0	0.8	5	4.6		
BFO	e P	Z 23:17:31.5	81.0	29.4	1.0	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/26	23:58: 2.2	4.070S	102.714E	33.0N	5.0			SZGRF
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 00:11:09.6	92.4	93.5	0.9	4	4.6		
GEC2	e P	Z 00:11:08.4	92.4	93.4	3.2	164	5.6		
RUE	e P	Z 00:11:11.1	92.6	93.3	1.1	13	5.2		
WET	e P	Z 00:11:11.8	93.0	92.8	1.4	11	5.0		
CLL	e P	Z 00:11:12.0	93.0	92.8	1.7	16	5.1		
WERD	e P	Z 00:11:14.1	93.4	92.3	1.2	4	4.6		

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ROTZ	e P	Z	00:11:14.2	93.4	92.2	1.2	10	5.0
MOX	e P	Z	00:11:16.2	93.8	91.7	1.3	7	4.7
GRA1	e P	Z	00:11:17.5	94.1	91.5	1.4	21	5.2
CLZ	e P	Z	00:11:20.1	94.6	90.7	1.2	4	4.5
TNS	e P	Z	00:11:25.5	95.9	89.3	1.5	11	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/27	05:34:17.2	19.600S	178.600W	570.0N				GSRC-M
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 05:53:03.4	148.9	18.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/27	16:57:49.9	5.002S	127.858E	349.5				SZGRF
Banda Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ROGN	e Pdiff	Z 17:12:32.8	108.1	72.5					
	e PP	Z 17:17:13.8							
RUE	e Pdiff	Z 17:12:34.3	108.5	73.5					
	e PP	Z 17:17:15.8							
	e SP	Z 17:26:02.7							
BRG	e Pdiff	Z 17:12:35.9	108.8	74.2					
	e PP	Z 17:17:17.9							
	e SP	Z 17:26:05.8							
CLL	e Pdiff	Z 17:12:37.4	109.3	73.2					
	e PP	Z 17:17:22.5							
	e SP	Z 17:26:09.9							
WERD	e Pdiff	Z 17:12:40.8	109.9	72.9					
WET	e Pdiff	Z 17:12:41.2	109.9	73.9					
	e PP	Z 17:17:25.6							
BSEG	e Pdiff	Z 17:12:41.3	110.0	70.0					
	e PP	Z 17:17:26.2							
	e SP	Z 17:26:16.5							
ROTZ	e Pdiff	Z 17:12:42.6	110.2	73.1					
	e PP	Z 17:17:28.2							
NOTT	e Pdiff	Z 17:12:43.6	110.2	73.0					
	e pPdiff	Z 17:14:04.9							
	e PP	Z 17:17:29.8							
MOX	e Pdiff	Z 17:12:42.5	110.3	72.3					
	e PP	Z 17:17:28.7							
	e SP	Z 17:26:14.5							
GRA1	e Pdiff	Z 17:12:45.2	110.8	72.3					
	e pPdiff	Z 17:14:08.6							

	e PP	Z	17:17:32.8		
	e SP	Z	17:26:20.6		
GRFO	e Pdiff	Z	17:12:45.3	110.8	72.3
	e PP	Z	17:17:24.9		
	e SP	Z	17:26:29.9		
HLG	e Pdiff	Z	17:12:46.5	111.2	67.8
	e PP	Z	17:17:30.6		
	e SP	Z	17:26:28.0		
FUR	e Pdiff	Z	17:12:46.8	111.2	72.9
	e PP	Z	17:17:28.9		
	e SP	Z	17:26:28.1		
IBBN	e Pdiff	Z	17:12:50.5	112.0	68.4
	e PP	Z	17:17:41.1		
	e SP	Z	17:26:35.0		
TNS	e Pdiff	Z	17:12:52.0	112.3	69.7
	e PP	Z	17:17:45.8		
	e SP	Z	17:26:38.1		
STU	e Pdiff	Z	17:12:51.8	112.4	70.9
	e PP	Z	17:17:43.2		
	e SP	Z	17:26:38.4		
BUG	e Pdiff	Z	17:12:53.2	112.6	68.3
	e PP	Z	17:17:40.3		
	e SP	Z	17:26:40.5		
BFO	e Pdiff	Z	17:12:54.4	113.1	70.4
	e PP	Z	17:17:48.4		
	e SP	Z	17:26:44.6		
WLF	e Pdiff	Z	17:12:59.3	113.9	68.0
	e PP	Z	17:17:54.6		
	e SP	Z	17:26:52.5		

Date 2006/01/27
 Origin Time 17:42: 9.7
 Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 17:55:09.0			1.6	17	5.1		
CLL	e P	Z 17:55:10.9			2.0	25	5.2		
CLZ	e P	Z 17:55:18.0			2.1	48	5.6		
GEC2	e P	Z 17:55:12.2			1.5	24	5.3		
GRA1	e P	Z 17:55:18.2			1.7	34	5.5		
IBBN	e P	Z 17:55:23.5			1.4	17	5.2		
MOX	e P	Z 17:55:15.8			1.2	6	4.8		
NOTT	e P	Z 17:55:16.3			1.8	23	5.2		
RGN	e P	Z 17:55:04.7			1.2	33	5.4		
ROTZ	e P	Z 17:55:15.7			1.9	42	5.4		
STU	e P	Z 17:55:25.3			0.6	8	5.2		
WERD	e P	Z 17:55:13.8			1.3	5	4.7		

WLF e P Z 17:55:32.6 1.5 19 5.4

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/27 18:58:25.8 36.282N 68.748E 33.0N 4.4
 Hindu Kush, Afghanistan, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 19:06:22.4 43.0 85.6 0.7 5 4.4

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/27 20:09:26.3 N 3.8
 Western Kazakhstan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 20:14:38.0 1.1 4 3.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/27 22:34:51.3 22.680S 178.300E 33.0N
 South of Fiji Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 RUE e PKPbc Z 22:54:32.8 147.9 27.6
 CLL e PKPbc Z 22:54:35.9 149.2 27.2
 BRG e PKPbc Z 22:54:36.5 149.3 29.2
 CLZ e PKPbc Z 22:54:36.1 149.4 22.3
 IBBN e PKPbc Z 22:54:36.3 149.5 17.4
 WERD e PKPbc Z 22:54:38.1 150.2 26.7
 BUG e PKPbc Z 22:54:39.9 150.4 16.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/28

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKP Z 02:06:31.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/28 17:31:49.0 3.603N 95.068E 33.0N 4.5
 Off west coast of northern Sumatra, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:44:12.7	83.3	92.4	1.0	4	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/28	19:26: 7.1	43.338N	17.440E	10.0G			4.4	SZGRF

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 19:27:36.3	6.1	153.4					4.3
	e Sn	N 19:28:40.5							
WET	e Pn	Z 19:27:43.0	6.6	149.8					4.1
	e Sn	N 19:28:52.9							
ROTZ	e Pn	Z 19:27:53.0	7.4	148.8					4.4
NOTT	e Pn	Z 19:27:54.7	7.4	148.6					4.3
GRA1	e Pn	Z 19:27:56.9	7.7	143.7					4.8
STU	e Pn	Z 19:28:01.3	7.9	130.5					4.7
	e Sn	N 19:29:25.3							
BRG	e Pn	Z 19:28:01.5	7.9	161.2					4.2
WERD	e Pn	Z 19:28:01.3	7.9	151.8					4.0
BFO	e Pn	Z 19:28:02.2	8.1	124.8					4.4
	e Sn	E 19:29:28.0							
MOX	e Pn	Z 19:28:06.2	8.3	149.3					4.3
CLL	e Pn	Z 19:28:09.4	8.5	157.7					4.5
TNS	e Pn	Z 19:28:19.0	9.2	134.8					
CLZ	e Pn	Z 19:28:27.1	9.7	148.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/28	23:22: 2.2	27.400S	178.800W	33.0N				GSRC-M

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:42:36.2	156.4	22.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/29	08:26:44.1	23.797S	175.586W	33.0G				SZGRF

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 08:46:05.7	150.4	17.6					
	e PKPbc	Z 08:46:11.1							
IBBN	e PKPdf	Z 08:46:07.5	151.4	6.4					
	e PKPbc	Z 08:46:13.8							
CLZ	e PKPdf	Z 08:46:07.6	151.6	11.5					

	e	PKPbc	Z	08:46:14.5		
CLL	e	PKPpdf	Z	08:46:07.7	151.7	16.8
	e	PKPbc	Z	08:46:14.3		
BRG	e	PKPpdf	Z	08:46:08.4	151.9	18.8
	e	PKPbc	Z	08:46:14.9		
BUG	e	PKPpdf	Z	08:46:09.2	152.3	5.6
	e	PKPbc	Z	08:46:15.8		
MOX	e	PKPbc	Z	08:46:16.2	152.6	14.4
WERD	e	PKPbc	Z	08:46:16.5	152.7	15.9
NOTT	e	PKPpdf	Z	08:46:09.7	153.3	15.8
	e	PKPbc	Z	08:46:18.5		
ROTZ	e	PKPpdf	Z	08:46:09.9	153.3	16.0
	e	PKPbc	Z	08:46:17.9		
GRA1	e	PKPpdf	Z	08:46:10.5	153.6	14.1
	e	PKPbc	Z	08:46:18.8		
	e	PKPab	Z	08:46:30.7		
WET	e	PKPpdf	Z	08:46:10.6	153.8	17.8
	e	PKPbc	Z	08:46:18.9		
GEC2	e	PKPpdf	Z	08:46:10.8	153.9	19.6
	e	PKPbc	Z	08:46:19.1		
	e	PKPab	Z	08:46:32.1		
WLF	e	PKPpdf	Z	08:46:11.9	154.1	3.6
	e	PKPab	Z	08:46:33.2		
STU	e	PKPpdf	Z	08:46:12.2	154.7	10.3
	e	PKPbc	Z	08:46:21.0		
FUR	e	PKPbc	Z	08:46:21.5	155.0	15.0
	e	PKPab	Z	08:46:37.2		
BFO	e	PKPbc	Z	08:46:22.1	155.3	8.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/01/29 11:43:41.5 16.287S 176.595W 398.0 SZGRF
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e	PKPbc	Z 12:03:10.2	143.8	7.1					
CLZ	e	PKPbc	Z 12:03:11.0	144.0	11.4					
CLL	e	PKPbc	Z 12:03:10.9	144.1	15.9					
BRG	e	PKPbc	Z 12:03:12.1	144.4	17.5					
MOX	e	PKPbc	Z 12:03:13.7	145.0	13.8					
WERD	e	PKPbc	Z 12:03:14.3	145.1	15.0					
ROTZ	e	PKPbc	Z 12:03:16.7	145.8	15.1					
GRA1	e	PKPbc	Z 12:03:17.4	146.0	13.5					
	e	pPKPbc	Z 12:04:52.8							
GEC2	e	PKPbc	Z 12:03:18.0	146.4	18.0					
WLF	e	PKPbc	Z 12:03:19.4	146.5	4.8					
STU	e	PKPbc	Z 12:03:20.4	147.2	10.3					
FUR	e	PKPbc	Z 12:03:21.3	147.5	14.1					

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BFO e PKPbc Z 12:03:21.7 147.7 8.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/29 14:14:38.8 18.885S 177.108W 33.0N
Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	14:34:12.4	145.3	18.3					
IBBN	e PKPbc	Z	14:34:16.1	146.4	8.3					
CLZ	e PKPbc	Z	14:34:16.6	146.5	12.9					
CLL	e PKPbc	Z	14:34:16.4	146.6	17.6					
BRG	e PKPbc	Z	14:34:17.3	146.8	19.4					
BUG	e PKPbc	Z	14:34:18.6	147.3	7.7					
MOX	e PKPbc	Z	14:34:19.2	147.5	15.5					
WERD	e PKPbc	Z	14:34:19.2	147.6	16.8					
ROTZ	e PKPbc	Z	14:34:20.9	148.2	16.9					
TNS	e PKPbc	Z	14:34:21.6	148.4	10.1					
	e PKPab	Z	14:34:25.3							
GRA1	e PKPbc	Z	14:34:21.7	148.5	15.2					
	e PKPab	Z	14:34:26.0							
GRFO	e PKPab	Z	14:34:26.2	148.5	15.2					
WET	e PKPbc	Z	14:34:22.0	148.7	18.4					
GEC2	e PKPbc	Z	14:34:22.4	148.8	20.0					
WLF	e PKPbc	Z	14:34:23.6	149.1	6.0					
STU	e PKPbc	Z	14:34:25.0	149.7	11.9					
	e PKPab	Z	14:34:30.8							
FUR	e PKPbc	Z	14:34:25.6	149.9	16.0					
BFO	e PKPbc	Z	14:34:26.0	150.2	10.4					
	e PKPab	Z	14:34:32.9							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/01/29 17:49:19.3 7.310N 77.030W 19.9 5.1 4.6
Panama-Colombia border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	18:01:28.2	80.0	269.6	1.1	29	5.1		
	e pP	Z	18:01:33.9							
BUG	e P	Z	18:01:31.8	80.7	270.1	1.4	26	5.1		
IBBN	e P	Z	18:01:33.2	81.0	270.4	1.3	25	5.1		
	e pP	Z	18:01:39.1							
BFO	e P	Z	18:01:35.5	81.5	271.4	1.1	6	4.6		
TNS	e P	Z	18:01:35.7	81.5	271.2	1.4	22	5.1		
STU	e P	Z	18:01:38.8	82.0	272.0	0.9	15	5.1		
	e pP	Z	18:01:44.2							
CLZ	e P	Z	18:01:41.6	82.7	272.5	1.2	14	5.1		

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GRA1	e P	Z	18:01:45.7	83.3	273.4	1.3	27	5.3	
	e pP	Z	18:01:51.1						
	e L	Z	18:35:07.8			22.0	254		4.6
FUR	e P	Z	18:01:45.9	83.4	273.6	1.2	15	5.1	
MOX	e P	Z	18:01:46.0	83.5	273.6	1.3	6	4.7	
NOTT	e P	Z	18:01:49.1	83.9	274.1	2.2	67	5.5	
ROTZ	e P	Z	18:01:48.7	83.9	274.2	2.3	85	5.6	
WERD	e P	Z	18:01:48.5	83.9	274.2	1.3	8	4.8	
CLL	e P	Z	18:01:50.4	84.3	274.6	1.4	17	5.1	
WET	e P	Z	18:01:50.5	84.4	274.7	1.4	23	5.2	
	e pP	Z	18:01:56.8						
RUE	e P	Z	18:01:52.9	84.7	275.1	1.3	18	5.1	
BRG	e P	Z	18:01:53.6	84.9	275.4	1.5	17	5.1	
GEC2	e P	Z	18:01:53.6	85.0	275.4	1.2	25	5.3	
	e pP	Z	18:01:59.5						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/29	19:49:54.3	71.240N	2.080W	33.0N	4.6	3.6		SZGRF
Jan Mayen Island region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z 19:54:18.6	19.4	350.5	1.1	15	4.2		
RUE	e P	Z 19:54:26.2	20.0	345.1	0.9	43	4.7		
CLZ	e P	Z 19:54:27.4	20.2	348.4	1.0	30	4.5		
BUG	e P	Z 19:54:27.5	20.2	351.3	0.9	13	4.2		
CLL	e P	Z 19:54:36.6	21.1	346.5	1.6	55	4.6		
MOX	e P	Z 19:54:41.6	21.5	348.0	1.3	41	4.7		
TNS	e P	Z 19:54:41.7	21.6	350.8	1.0	15	4.4		
BRG	e P	Z 19:54:42.4	21.6	346.1	1.0	19	4.5		
WERD	e P	Z 19:54:44.6	21.8	347.6	1.1	16	4.3		
WLF	e P	Z 19:54:46.6	21.9	352.9	1.1	19	4.4		
GRA1	e P	Z 19:54:50.9	22.4	348.8	1.2	78	5.0		
	e L	Z 20:03:02.1			21.8	268			3.6
NOTT	e P	Z 19:54:51.7	22.4	348.1	1.1	13	4.3		
ROTZ	e P	Z 19:54:52.1	22.5	348.0	1.1	26	4.7		
STU	e P	Z 19:54:58.4	23.1	350.8	1.7	39	4.7		
WET	e P	Z 19:54:58.7	23.2	347.8	1.7	34	4.6		
BFO	e P	Z 19:55:01.0	23.4	351.6	1.2	22	4.6		
GEC2	e P	Z 19:55:03.0	23.6	347.4	1.2	35	4.8		
FUR	e P	Z 19:55:06.7	23.9	349.4	1.1	30	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/30	04:35:16.1	0.752N	98.626E	24.3	4.8			SZGRF
Northern Sumatera, Indonesia								

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:48:02.1	87.7	91.5	1.0	5	4.8		
	e pP	Z 04:48:09.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/30	21:24:19.0	49.800S	117.600E	21.0N				NEIR-M

Western Indian-Antarctic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 21:43:38.1	134.4	119.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/30	21:51:34.9	22.780S	177.660W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 22:11:19.6	149.0	20.8					
IBBN	e PKPbc	Z 22:11:22.6	150.2	10.1					
	e PKPab	Z 22:11:26.4							
CLZ	e PKPbc	Z 22:11:22.7	150.3	15.1					
	e PKPab	Z 22:11:26.6							
CLL	e PKPbc	Z 22:11:22.7	150.3	20.1					
	e PKPab	Z 22:11:26.8							
BRG	e PKPbc	Z 22:11:23.3	150.5	22.1					
	e PKPab	Z 22:11:27.9							
BUG	e PKPbc	Z 22:11:24.7	151.1	9.4					
MOX	e PKPbc	Z 22:11:25.0	151.2	18.0					
	e PKPab	Z 22:11:30.4							
WERD	e PKPbc	Z 22:11:25.4	151.3	19.4					
	e PKPab	Z 22:11:30.9							
ROTZ	e PKPbc	Z 22:11:27.1	151.9	19.6					
TNS	e PKPbc	Z 22:11:27.6	152.1	12.1					
	e PKPab	Z 22:11:34.5							
GRA1	e PKPbc	Z 22:11:27.6	152.2	17.8					
	e PKPab	Z 22:11:35.3							
WET	e PKPbc	Z 22:11:28.0	152.4	21.3					
	e PKPab	Z 22:11:36.1							
GEC2	e PKPbc	Z 22:11:28.3	152.4	23.1					
	e PKPab	Z 22:11:35.8							
WLF	e PKPbc	Z 22:11:29.8	152.9	7.7					
	e PKPab	Z 22:11:38.4							
STU	e PKPbc	Z 22:11:30.5	153.4	14.2					
BFO	e PKPbc	Z 22:11:31.4	154.0	12.7					
	e PKPab	Z 22:11:42.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/31	16:40:53.0	1.600N	118.000E	25.0N		4.9		NEIR-M

Borneo

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 16:54:33.5	99.5	76.0					
	e PP	Z 16:58:44.0							
	e L	Z 17:41:59.9			20.5	366		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/31	17:11:46.8	22.190S	171.680E	152.9				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 17:31:05.7	145.3	31.3					
BRG	e PKPbc	Z 17:31:08.8	146.5	39.4					
CLL	e PKPbc	Z 17:31:09.0	146.5	37.6					
CLZ	e PKPbc	Z 17:31:11.0	147.0	33.0					
IBBN	e PKPbc	Z 17:31:11.5	147.4	28.5					
WERD	e PKPbc	Z 17:31:12.4	147.5	37.3					
ROTZ	e PKPbc	Z 17:31:14.1	148.0	37.8					
GEC2	e PKPbc	Z 17:31:13.5	148.1	41.1					
WET	e PKPbc	Z 17:31:14.6	148.3	39.5					
BUG	e PKPbc	Z 17:31:14.1	148.3	28.3					
GRA1	e PKPbc	Z 17:31:14.7	148.5	36.3					
	e pPKPbc	Z 17:31:55.0							
	e sPKPbc	Z 17:32:09.4							
TNS	e PKPbc	Z 17:31:16.6	149.0	31.3					
WLF	e PKPbc	Z 17:31:20.1	150.2	27.8					
BFO	e PKPbc	Z 17:31:19.6	150.7	32.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/31	19:15:51.1	2.214N	96.068E	30.5	5.5	5.6		SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 19:28:14.9	83.3	94.3	1.2	112	5.9		
BRG	e P	Z 19:28:14.7	83.3	94.7	1.4	38	5.4		
RUE	e P	Z 19:28:15.6	83.6	94.8	1.5	105	5.8		
WET	e P	Z 19:28:17.6	83.9	93.7	1.2	35	5.4		
CLL	e P	Z 19:28:17.3	83.9	94.0	1.3	28	5.3		
WERD	e P	Z 19:28:19.7	84.3	93.4	1.3	14	5.0		
ROTZ	e P	Z 19:28:20.4	84.3	93.3	1.1	46	5.6		

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MOX	e P	Z	19:28:22.0	84.8	92.9	1.1	18	5.2
FUR	e P	Z	19:28:22.3	84.9	92.4	1.4	52	5.6
GRA1	e P	Z	19:28:23.5	85.0	92.5	1.0	87	5.9
	e pP	Z	19:28:32.4					
	e S	T	19:38:48.2					
	e L	Z	20:12:45.0			21.8	2653	5.6
CLZ	e P	Z	19:28:26.2	85.6	92.0	1.2	37	5.4
BSEG	e P	Z	19:28:26.8	85.7	92.1	1.0	33	5.4
STU	e P	Z	19:28:29.4	86.3	90.9	1.4	26	5.2
TNS	e P	Z	19:28:32.2	86.8	90.4	0.9	29	5.4
BFO	e P	Z	19:28:31.9	86.8	90.2	1.0	17	5.1
IBBN	e P	Z	19:28:34.3	87.2	90.0	1.3	46	5.4
BUG	e P	Z	19:28:35.8	87.5	89.6	1.4	52	5.7
WLF	e P	Z	19:28:39.8	88.3	88.6	1.2	26	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/01/31	20:02:3.1	28.386N	140.004E	33.0N	4.8			SZGRF

Bonin Islands, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:14:58.0	89.7	43.3	1.4	9	4.8		

Format description

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

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

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

EPICENTER LINES:

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

Date Date of the event

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

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
 Flag for the direction of the first motion
 '+' - compression
 '-' - dilatation
 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