

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)

AUGUST 2005 UPDATED 24.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		
2005/08/01	04:40:39.8	47.410N	154.430E	33.0G	5.7	5.5		SZGRF		
Kuril Islands, Russia										
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	04:52:15.8	74.2	24.3	2.1	207	5.9		
NRDL	e P	Z	04:52:23.5	75.6	24.1	1.1	48	5.4		
CLL	i P	+ Z	04:52:25.0	75.9	25.8	0.8	132	6.1		
	e pP	Z	04:52:28.0							
	e PP	Z	04:55:07.1							
	e S	E	05:02:13.3							
	e SP	Z	05:02:46.6							
	e SS	N	05:07:12.3							
	e L	Z	05:28:55.9			20.0	2180		5.5	
BRG	e P	Z	04:52:25.5	76.0	26.3					
	e S	R	05:02:08.9							
CLZ	e P	Z	04:52:26.9	76.1	24.2	1.1	103	5.8		
	e S	R	05:02:10.1							
IBBN	e P	Z	04:52:27.8	76.3	22.5	0.8	58	5.7		
WERD	e P	Z	04:52:30.7	76.9	25.3	1.0	35	5.4		
MOX	e P	Z	04:52:30.7	76.9	24.8	1.0	59	5.7		
	e S	R	05:02:18.7							
GUNZ	e P	Z	04:52:31.2	76.9	25.3	0.8	46	5.7		
BUG	e P	Z	04:52:32.9	77.2	22.1	1.3	76	5.7		
NOTT	e P	Z	04:52:34.5	77.5	25.1	1.2	65	5.6		
	e S	R	05:02:26.1							
GRA1	e P	Z	04:52:36.7	77.8	24.5	0.8	123	6.1		
	e PP	Z	04:55:32.7							
	e S	R	05:02:30.4							
	e L	Z	05:30:14.8			19.4	2146		5.5	
WET	e P	Z	04:52:36.8	77.9	25.5	0.9	53	5.7		

	e S	R	05:02:30.6						
TNS	e P	Z	04:52:37.8	78.1	22.8	0.8	48	5.7	
	e S	R	05:02:31.0						
WLF	e P	Z	04:52:44.0	79.1	21.2	2.2	234	5.9	
FUR	e P	Z	04:52:44.2	79.2	24.4	0.9	90	5.9	
STU	e P	Z	04:52:44.0	79.2	23.1	0.9	45	5.6	
BFO	e P	Z	04:52:47.4	79.8	22.5	0.9	43	5.5	
	e S	R	05:02:51.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/01	10:56:9.7	47.486N	152.795E	33.0N	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:08:01.5	77.3	25.5	0.9	21	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/01	13:34:41.0	35.640N	27.700E	33.0G	4.9			SZGRF

Dodecanese Islands, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e P	Z 13:38:19.1	15.7	131.7					
MOA	e P	Z 13:38:20.6	15.7	135.9					
WTTA	e P	Z 13:38:33.8	16.7	128.4					
WET	e P	Z 13:38:39.6	17.3	135.7	0.9	94	4.9		
FUR	e P	Z 13:38:41.1	17.4	129.9	0.8	180	5.3		
DAVA	e P	Z 13:38:43.1	17.6	124.9	0.7	74	4.9		
NOTT	e P	Z 13:38:48.5	18.1	135.5	0.7	38	4.6		
BRG	e P	Z 13:38:49.2	18.2	141.7	1.0	24	4.3		
GUNZ	e P	Z 13:38:52.4	18.4	137.1	0.7	56	4.8		
GRA1	e P	Z 13:38:52.3	18.5	133.3	0.8	77	4.9		
WERD	e P	Z 13:38:53.3	18.5	137.2	0.7	75	5.0		
CLL	e P	+ Z 13:38:56.7	18.9	140.4	0.7	68	4.9		
	e S	E 13:42:14.5							
	i ScP	Z 13:46:48.2							
STU	e P	Z 13:38:57.6	18.9	127.2	0.7	118	5.2		
MOX	e P	Z 13:38:58.1	19.0	136.1	1.2	122	5.0		
BFO	e P	Z 13:38:59.2	19.1	124.5	0.9	90	5.0		
RUE	e P	Z 13:39:03.6	19.5	144.2	1.0	120	5.1		
TNS	e P	Z 13:39:10.6	20.2	129.0	0.9	136	5.2		
CLZ	e P	Z 13:39:12.6	20.4	135.9					
WLF	e P	Z 13:39:19.4	21.0	123.7	0.9	64	5.0		
IBBN	e P	Z 13:39:28.1	21.8	131.9	0.6	28	4.9		
BSEG	e P	Z 13:39:29.7	21.9	139.5	0.8	29	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/02	00:59:17.5	5.518N	96.024E	33.0G	4.4			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:11:36.8	82.4	90.4	1.0	3	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/02	08:39:52.0	4.100S	128.800E	33.0G		5.2		GSRC-M

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e SP	Z 09:07:58.8	108.3	72.2					
CLL	e Pdiff	Z 08:54:17.7	109.1	71.9					
	e PKiKP	Z 08:58:21.8							
	e PP	Z 08:58:49.0							
	e PPP	Z 09:01:09.7							
	e SKSac	E 09:04:55.2							
	e SKKSac	E 09:05:51.1							
	e Sdiff	N 09:06:24.5							
	e SP	Z 09:08:07.8							
	e PPS	E 09:08:59.9							
	e SS	E 09:14:22.6							
	e SSS	E 09:18:15.4							
	e LR	Z 09:32:40.6							
	e L	Z 09:46:00.6			22.0	552		5.1	
BSEG	e SP	Z 09:08:14.7	109.7	68.7					
MOX	e SP	Z 09:08:20.0	110.1	70.9					
CLZ	e SP	Z 09:08:21.1	110.5	69.4					
GRA1	e SP	Z 09:08:28.5	110.7	70.9					
	e L	Z 09:54:17.6			19.8	600		5.2	
IBBN	e SP	Z 09:08:35.2	111.8	67.0					
TNS	e SP	Z 09:08:40.4	112.2	68.4					
BUG	e SP	Z 09:08:44.5	112.4	66.9					
BFO	e SP	Z 09:08:49.8	112.9	69.0					
WLF	e SP	Z 09:08:53.2	113.8	66.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/02	20:56:33.7	4.452N	94.164E	41.7	5.0	4.7		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 21:08:41.6	80.4	94.8	1.1	16	4.9		

RUE	e P	Z	21:08:42.8	80.6	94.9	1.1	53	5.5		
WET	e P	Z	21:08:44.8	80.9	93.7	1.2	17	4.9		
CLL	e P	Z	21:08:44.5	81.0	94.1	1.2	13	4.8		
GUNZ	e P	Z	21:08:47.0	81.4	93.5	1.1	13	4.9		
WERD	e P	Z	21:08:46.8	81.4	93.4	1.2	11	4.8		
NOTT	e P	Z	21:08:47.8	81.5	93.2	1.2	11	4.8		
MOX	e P	Z	21:08:49.2	81.8	92.9	1.3	14	4.9		
FUR	e P	Z	21:08:49.8	81.9	92.3	0.7	9	5.0		
GRA1	e P	Z	21:08:51.0	82.0	92.5	1.2	22	5.2		
	e pP	Z	21:09:03.0							
	e L	Z	21:48:19.1			21.0	371		4.7	
CLZ	e P	Z	21:08:53.8	82.7	92.1	1.1	17	5.2		
BSEG	e P	Z	21:08:54.5	82.8	92.4	0.9	25	5.4		
TNS	e P	Z	21:09:00.1	83.8	90.4	1.0	12	5.1		
BFO	e P	Z	21:08:59.9	83.9	90.1	0.8	8	5.0		
BUG	e P	Z	21:09:03.6	84.6	89.6	1.2	21	5.2		
WLF	e P	Z	21:09:07.7	85.3	88.6	1.3	17	5.1		

Date 2005/08/03
 Origin Time 06:30:12.5
 Lat 33.131N
 Long 12.743E
 Depth 10.0G
 mb 3.9
 Ms
 ML
 Source SZGRF
 Central Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	06:33:49.6	15.6	166.1	1.2	6	3.6		
GEC2	e P	Z	06:33:52.2	15.7	183.0	0.6	4	3.7		
WET	e P	Z	06:33:55.9	16.0	180.4	0.6	12	4.2		
GRA1	e P	Z	06:34:03.4	16.6	175.5	0.7	5	3.8		
NOTT	e P	Z	06:34:04.6	16.7	178.2	0.8	3	3.5		
GUNZ	e P	Z	06:34:11.8	17.2	178.8	0.7	10	4.0		
WERD	e P	Z	06:34:11.9	17.3	178.8	0.9	6	3.7		
MOX	e P	Z	06:34:15.1	17.5	176.9	0.8	10	4.0		
BRG	e P	Z	06:34:17.5	17.8	183.3	0.7	7	3.9		
CLL	e P	Z	06:34:22.7	18.2	180.7	0.6	10	4.1		
CLZ	e P	Z	06:34:30.6	18.8	173.8	0.8	14	4.3		

Date 2005/08/03
 Origin Time 09:27:41.0
 Lat 12.100N
 Long 84.890W
 Depth 33.0N
 mb
 Ms 5.3
 ML
 Source SZGRF
 Nicaragua

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	09:39:56.0	81.5	278.7	1.2	57			
BUG	e P	Z	09:39:57.9	81.9	279.3	1.5	56			
IBBN	e P	Z	09:39:58.8	82.1	279.5	1.4	60			
TNS	e P	Z	09:40:03.0	82.8	280.3	1.3	35			
BFO	e P	Z	09:40:03.8	83.1	280.5	1.3	28			

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BSEG	e P	Z	09:40:05.3	83.3	281.3	1.1	24		
STU	e P	Z	09:40:06.6	83.6	281.1				
CLZ	e P	Z	09:40:07.7	83.7	281.6	1.2	46		
GRA1	e P	Z	09:40:12.7	84.7	282.5	1.6	81		
	e L	Z	10:16:57.5			18.6	1141	5.3	
MOX	e P	Z	09:40:12.5	84.7	282.7	1.4	33		
FUR	e P	Z	09:40:14.1	85.1	282.6	0.9	30		
WERD	e P	Z	09:40:15.0	85.2	283.2	1.5	52		
NOTT	e P	Z	09:40:15.4	85.2	283.1	1.4	31		
GUNZ	e P	Z	09:40:15.3	85.2	283.2	1.4	47		
CLL	e P	Z	09:40:16.0	85.4	283.7	1.4	45	5.4	
	e S	N	09:50:56.7						
	e PPS	E	09:52:12.1						
	e SS	E	09:56:33.3						
	e LR	Z	10:07:45.3						
	e L	Z	10:17:42.8			20.0	613	5.0	
RUE	e P	Z	09:40:16.6	85.6	284.2	0.6	24		
WET	e P	Z	09:40:18.6	85.9	283.8	1.4	58		
BRG	e P	Z	09:40:19.5	86.1	284.4	1.6	44		
GEC2	e P	Z	09:40:21.2	86.5	284.4	1.4	28		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/03	10:41:18.1	2.985N	128.151E	69D	5.7			NEIR-M

Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pdiff	Z 10:55:10.0	103.2	68.2	0.9	8			
	e pPdiff	Z 10:55:30.0							
	e PP	Z 10:59:25.5							
	e PPP	Z 11:01:36.3							
	e SKSac	E 11:05:41.1							
	e SKKSac	E 11:06:20.0							
	e Sdiff	N 11:06:49.5							
	e SP	Z 11:08:31.5							
	e SS	E 11:14:05.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/03	11:03:15.0	11.800N	86.730W	33.0N	6.5	6.6		SZGRF

Near coast of Nicaragua

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 11:15:37.0	82.9	279.9	1.8	655	6.5		
BUG	e P	Z 11:15:38.9	83.3	280.5	1.7	202	6.0		
	e S	R 11:25:57.9							
IBBN	e P	Z 11:15:39.8	83.4	280.8	2.4	1382	6.7		

TNS	e P	Z	11:15:44.0	84.2	281.5	1.7	506	6.5	
	e S	R	11:26:08.6						
BFO	e P	Z	11:15:44.7	84.5	281.6	1.9	384	6.3	
	e S	R	11:26:09.4						
BSEG	e P	Z	11:15:46.2	84.6	282.6	2.7	1806	6.8	
STU	e P	Z	11:15:49.5	85.0	282.2	0.6	180	6.5	
	e S	R	11:26:15.0						
CLZ	e P	Z	11:15:48.7	85.1	282.8	1.8	550	6.5	
	e S	R	11:26:14.2						
GRA1	e P	Z	11:15:53.6	86.1	283.7	2.2	913	6.6	
	e S	R	11:26:28.3						
	e L	Z	11:49:56.8			20.8	25531		6.6
MOX	e P	Z	11:15:53.5	86.1	283.9	1.9	497	6.4	
	e S	R	11:26:26.7						
FUR	e P	Z	11:15:55.1	86.5	283.8	2.1	804	6.6	
	e S	R	11:26:30.7						
WERD	e P	Z	11:15:55.8	86.6	284.4	1.8	479	6.4	
GUNZ	e P	Z	11:15:56.2	86.6	284.5	1.9	541	6.4	
NOTT	e P	Z	11:15:56.4	86.6	284.3	2.2	770	6.4	
CLL	e P	Z	11:15:57.0	86.8	284.9	1.9	512	6.3	
	e PP	Z	11:19:23.0						
	e S	N	11:26:32.2						
	e PS	E	11:27:29.8						
	e PPS	N	11:27:55.2						
	e SS	E	11:32:26.4						
	e SSS	E	11:35:59.0						
	e LQ	T	11:38:54.5						
	e LR	Z	11:43:51.7						
	e L	Z	11:53:16.1			18.0	22773		6.6
RUE	e P	Z	11:15:57.6	86.9	285.5				
	e S	R	11:26:34.2						
WET	e P	Z	11:15:59.4	87.3	284.9	2.9	841	6.4	
	e S	R	11:26:38.6						
BRG	e P	Z	11:16:00.4	87.5	285.7	0.6	1110	7.2	
	e S	R	11:26:40.6						
GEC2	e P	Z	11:16:02.1	87.9	285.6	2.1	523	6.3	

Date 2005/08/03
 Origin Time 19:17:48.6
 Lat 22.420S
 Long 177.610W
 Depth 33.0N
 mb
 Ms
 ML
 Source SZGRF
 South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	19:37:30.6	147.9	13.9					
RUE	e PKPbc	Z	19:37:32.5	148.7	20.6					
CLZ	e PKPdf	Z	19:37:31.4	149.9	14.8					
	e PKPbc	Z	19:37:36.0							
	e PKPab	Z	19:37:41.4							

CLL	e	PKPdf	Z	19:37:30.6	150.0	19.9		
	i	PKPbc	- Z	19:37:35.6			0.8	38
	e	PKPab	Z	19:37:41.0			0.8	23
	e	pPKPbc	Z	19:39:40.7				
BRG	e	PKPbc	Z	19:37:36.4	150.2	21.8		
	e	PKPab	Z	19:37:42.0				
BUG	e	PKPbc	Z	19:37:37.8	150.7	9.3		
MOX	e	PKPbc	Z	19:37:38.1	150.9	17.7		
	e	PKPab	Z	19:37:44.8				
WERD	e	PKPdf	Z	19:37:32.7	150.9	19.1		
	e	PKPbc	Z	19:37:38.4				
	e	PKPab	Z	19:37:45.3				
GUNZ	e	PKPbc	Z	19:37:38.6	151.0	19.2		
	e	PKPab	Z	19:37:45.8				
NOTT	e	PKPbc	Z	19:37:39.8	151.6	19.2		
	e	PKPab	Z	19:37:48.0				
TNS	e	PKPdf	Z	19:37:34.6	151.8	11.9		
	e	PKPbc	Z	19:37:40.4				
	e	PKPab	Z	19:37:49.0				
GRA1	e	PKPbc	Z	19:37:40.5	151.9	17.5		
	e	PKPab	Z	19:37:49.7				
WET	e	PKPbc	Z	19:37:40.6	152.0	21.0		
	e	PKPab	Z	19:37:50.2				
GEC2	e	PKPdf	Z	19:37:34.4	152.1	22.8		
	e	PKPbc	Z	19:37:40.9				
	e	PKPab	Z	19:37:50.2				
WLF	e	PKPbc	Z	19:37:42.4	152.6	7.6		
	e	PKPab	Z	19:37:52.7				
FUR	e	PKPdf	Z	19:37:37.0	153.3	18.5		
	e	PKPab	Z	19:37:55.5				
BFO	e	PKPbc	Z	19:37:44.3	153.7	12.5		
	e	PKPab	Z	19:37:56.7				

Date 2005/08/03
 Origin Time 19:48:44.5
 Lat 22.400S
 Long 177.440W
 Depth 33.0N
 mb
 Ms
 ML
 Source SZGRF
 South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 20:08:26.1	147.9	13.6					
RUE	e	PKPbc	Z 20:08:28.7	148.7	20.3					
CLZ	e	PKPbc	Z 20:08:31.5	149.9	14.5					
CLL	e	PKPdf	Z 20:08:27.8	150.0	19.6					
	e	PKPbc	Z 20:08:31.2			0.7	31			
	e		20:08:38.7							
	e	pPKPbc	Z 20:10:38.8							
BRG	e	PKPbc	Z 20:08:32.3	150.2	21.5					
BUG	e	PKPbc	Z 20:08:32.8	150.7	8.9					

MOX	e	PKPbc	Z	20:08:33.6	150.9	17.4
WERD	e	PKPbc	Z	20:08:33.8	150.9	18.8
GUNZ	e	PKPbc	Z	20:08:34.0	151.0	18.9
NOTT	e	PKPbc	Z	20:08:35.6	151.6	18.8
TNS	e	PKPbc	Z	20:08:36.4	151.8	11.6
GRA1	e	PKP	Z	20:08:36.5	151.9	17.2
WET	e	PKPbc	Z	20:08:36.8	152.0	20.7
GEC2	e	PKPbc	Z	20:08:36.9	152.1	22.5
WLF	e	PKPbc	Z	20:08:38.6	152.6	7.2
STU	e	PKPbc	Z	20:08:39.2	153.1	13.7
BFO	e	PKPbc	Z	20:08:40.1	153.7	12.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/03	22:22:54.3	28.333S	177.622W	200.0G	5.3			GSRC-M

Kermadec Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPab	Z 22:42:43.2	153.7	16.0	0.9	20	5.5		
CLL	e	PKPdif	Z 22:42:34.8	155.7	23.2					
	e	PKPab	Z 22:42:51.0			0.9	11	5.2		
IBBN	e	PKPab	Z 22:42:51.5	155.7	11.6	1.2	32	5.5		
CLZ	e	PKPab	Z 22:42:51.6	155.7	17.3	0.8	10	5.2		
BRG	e	PKPab	Z 22:42:52.2	155.8	25.5	0.9	7	5.0		
MOX	e	PKPab	Z 22:42:55.4	156.6	20.9	1.0	9	5.2		
WERD	e	PKPab	Z 22:42:55.6	156.6	22.5	1.1	10	5.2		
GUNZ	e	PKPab	Z 22:42:56.3	156.7	22.6	0.9	13	5.3		
NOTT	e	PKPab	Z 22:42:58.5	157.3	22.7	1.0	6	5.1		
GRA1	e	PKPab	Z 22:42:59.8	157.6	20.8	0.9	17	5.6		
TNS	e	PKPab	Z 22:42:59.7	157.6	14.2	0.7	10	5.4		
WET	e	PKPab	Z 22:43:00.6	157.7	25.0	1.1	6	5.0		
WLF	e	PKPab	Z 22:43:03.6	158.5	9.1	1.0	12	5.5		
STU	e	PKPab	Z 22:43:05.2	158.9	16.9	0.9	8	5.4		
FUR	e	PKPab	Z 22:43:06.2	159.0	22.3	0.9	20	5.9		
BFO	e	PKPab	Z 22:43:07.1	159.5	15.1	0.8	5	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/03	23:43:34.3	4.960N	95.350E	26.2	5.3	5.2		SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 23:55:45.4	80.7	93.5	1.1	29	5.2		
	e	PP	Z 23:58:48.4							
RUE	e	P	Z 23:55:46.3	80.9	93.7	1.0	56	5.5		
WET	e	P	Z 23:55:48.7	81.3	92.4	1.1	25	5.2		
CLL	i	P	+ Z 23:55:48.6	81.3	92.9	1.2	20	5.1		

	e sP	Z	23:55:55.9								
	e		23:56:36.8								
	e PP	Z	23:58:46.4								
	e PPP	Z	00:00:44.7								
	e S	N	00:05:43.2								
	e PS	E	00:06:24.8								
	e PPS	E	00:06:37.6								
	e SS	E	00:11:02.2								
	e SSS	E	00:14:13.6								
	e LR	Z	00:23:17.3								
	e L	Z	00:36:58.7			18.0		841		5.1	
GUNZ	e P	Z	23:55:50.9	81.7	92.2	1.1		27		5.3	
WERD	e P	Z	23:55:50.8	81.7	92.2	1.1		19		5.1	
	e PP	Z	23:58:57.2								
NOTT	e P	Z	23:55:51.8	81.8	92.0	1.2		26		5.2	
	e PP	Z	23:58:59.2								
MOX	e P	Z	23:55:53.3	82.2	91.7	1.2		21		5.2	
FUR	e P	Z	23:55:53.8	82.4	91.1	1.0		41		5.5	
GRA1	e P	Z	23:55:55.0	82.4	91.3	1.0		38		5.5	
	e pP	Z	23:56:02.6								
	e		23:56:42.7								
	e PP	Z	23:59:05.4								
	e S	T	00:06:07.9	82.4	91.3						
	e SS	R	00:11:36.9								
	e L	Z	00:37:26.3			18.7		913		5.2	
BSEG	e P	Z	23:55:58.4	83.1	91.1	1.1		36		5.5	
STU	e P	Z	23:56:01.5	83.7	89.6	0.9		14		5.2	
TNS	e P	Z	23:56:04.3	84.2	89.2	1.1		21		5.3	
BFO	e P	Z	23:56:04.3	84.3	88.9	1.0		14		5.2	
IBBN	e P	Z	23:56:06.4	84.6	88.9	0.9		19		5.3	
BUG	e P	Z	23:56:08.0	84.9	88.4	0.8		19		5.3	
	e PP	Z	23:59:24.7								
WLF	e P	Z	23:56:12.4	85.7	87.4	1.5		43		5.4	

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/04 05:47:24.9 37.114N 22.565E 33.0N 3.6 SZGRF
 Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:50:35.4	13.4	147.9					
WET	e P	Z 05:50:48.3	13.9	146.1					
BFO	e P	Z 05:51:03.5	15.3	131.9					
MOX	e P	Z 05:51:09.6	15.6	145.8					
	e L	Z 05:56:59.5			20.3	406		3.6	
CLL	e P	Z 05:51:12.0	15.7	150.8					
	e L	Z 05:56:59.4			20.2	363		3.5	
TNS	e P	Z 05:51:26.2	16.6	137.0					

e L Z 05:57:12.1 21.0 490 3.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/04 09:27:33.3 1.620N 139.157E 33.0N 5.6
 Irian Jaya, Indonesia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PP	Z 09:46:34.1	110.0	60.3					
BSEG	e PP	Z 09:46:36.3	110.3	56.1					
CLL	e PKiKP	Z 09:45:30.4	110.3	59.4	0.9	9			
	e pPKiKP	Z 09:45:42.7							
	e PP	Z 09:46:31.9							
	e sPP	Z 09:46:47.1							
	e PPP	Z 09:49:00.9							
	e PKKPbc	Z 09:56:04.8							
	e PKKPab	Z 09:56:12.2							
	e SP	Z 09:56:14.5							
	e pPKKPab	Z 09:56:23.6							
	e PPS	E 09:57:14.2							
	e SKKPbc	Z 10:00:08.0							
	e LR	Z 10:24:11.9							
	e L	Z 10:37:59.8			22.0	1946		5.7	
TANN	e PP	Z 09:46:41.9	111.0	59.2					
GEC2	e PP	Z 09:46:42.8	111.1	60.8					
MOX	e PP	Z 09:46:44.2	111.4	58.3					
CLZ	e PP	Z 09:46:44.8	111.4	56.8					
WET	e PP	Z 09:46:45.4	111.4	60.0					
NOTT	e PP	Z 09:46:45.9	111.5	59.1					
GRA1	e PP	Z 09:46:49.8	112.1	58.3					
	e SP	Z 09:56:18.9							
	e L	Z 10:38:46.9			21.5	1698		5.6	
IBBN	e PP	Z 09:46:52.6	112.4	54.2					
FUR	e PP	Z 09:46:54.5	112.9	58.9					
BUG	e PP	Z 09:46:57.6	113.2	54.1					
TNS	e PP	Z 09:46:58.3	113.3	55.6					
STU	e PP	Z 09:47:00.6	113.7	56.8					
BFO	e PP	Z 09:47:05.5	114.4	56.2					
WLF	e PP	Z 09:47:09.6	114.8	53.6					

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/04 10:27:12.3 26.633S 114.523W 10G 5.9 5.4
 Easter Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z 10:46:24.4							

BRG	e	PKPdf	Z	10:46:30.8							
BSEG	e	PKPdf	Z	10:46:25.1							
BUG	e	PKPdf	Z	10:46:22.5							
CLZ	e	PKPdf	Z	10:46:26.3							
FUR	e	PKPdf	Z	10:46:28.3							
GEC2	e	PKPdf	Z	10:46:31.0							
GRA1	e	PKPdf	Z	10:46:28.3	132.7	278.5					
GUNZ	e	PKPdf	Z	10:46:29.2							
MOX	e	PKPdf	Z	10:46:28.1							
NOTT	e	PKPdf	Z	10:46:29.0							
CLL	e	PKPdf	Z	10:46:29.6	133.6	281.5	2.6		186		
	e	PP	Z	10:49:07.3							
	e	SS	Z	11:07:04.5							
	e	SSS	Z	11:11:44.7							
	e	LR	Z	11:30:23.9							
	e	L	Z	11:35:48.7			22.0		1109		5.5
RUE	e	PKPdf	Z	10:46:29.7							
STU	e	PKPdf	Z	10:46:25.7							
TNS	e	PKPdf	Z	10:46:24.7							
WERD	e	PKPdf	Z	10:46:28.9							
WET	e	PKPdf	Z	10:46:30.0							
WLF	e	PKPdf	Z	10:46:21.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/04	10:45:30.0	35.000N	26.500E	10.0N	4.7			EMSC-M
Crete, Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:49:46.1	18.5	137.0	1.1	70	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/04	12:11:20.5	59.672S	25.893W	44D	5.6	5.1		NEIR-M
South Sandwich Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKiKP	Z 12:29:55.7	115.0	200.6	1.0	11			
	e PP	Z 12:30:56.3							
	e pPP	Z 12:31:08.2							
	e L	Z 13:14:50.4			22.0	533		5.1	
GRA1	e PP	Z 12:30:41.3	113.1	199.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/04	17:38:26.4	52.311N	159.838E	33.0N	4.9			SZGRF

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:50:02.5	74.6	19.3	0.8	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/04								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 21:18:10.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	00:56:56.1	51.450N	180.510W	33.0N	5.6	5.5		SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 01:08:32.6	74.2	7.0	1.5	110	5.7		
	e S	T 01:18:07.5							
RUE	e P	Z 01:08:39.4	75.4	9.1	1.4	101	5.8		
IBBN	e P	Z 01:08:42.6	76.0	5.3	1.4	218	6.1		
	e S	T 01:18:25.4							
CLZ	e P	Z 01:08:44.6	76.3	7.0	1.5	120	5.8		
	e S	T 01:18:28.2							
CLL	i P	Z 01:08:45.7	76.6	8.6	1.4	62	5.6		
	e PP	Z 01:11:40.8							
	e PPP	Z 01:13:34.8							
	e S	N 01:18:34.8							
	e SP	Z 01:19:07.7							
	e SS	N 01:23:46.6							
	e LR	Z 01:34:27.6							
	e L	Z 01:40:37.7			22.0	1298		5.2	
BUG	e P	Z 01:08:47.2	76.9	5.0	1.7	160	5.9		
	e S	T 01:18:37.0							
BRG	e P	Z 01:08:47.8	76.9	9.2	1.3	52	5.5		
MOX	e P	Z 01:08:50.4	77.4	7.7	1.5	81	5.6		
WERD	e P	Z 01:08:51.1	77.5	8.1	1.6	67	5.5		
GUNZ	e P	Z 01:08:51.4	77.6	8.2	1.5	84	5.6		
TNS	e P	Z 01:08:54.0	78.0	5.7	1.1	44	5.4		
NOTT	e P	Z 01:08:54.7	78.2	8.0	1.6	60	5.4		
	e S	T 01:18:49.9							
GRA1	e P	Z 01:08:56.3	78.4	7.4	1.7	250	6.0		
	e S	E 01:18:53.6							
	e L	Z 01:47:53.0			21.4	2263		5.5	
WLF	e P	Z 01:08:57.8	78.7	4.2	0.9	26	5.2		
WET	e P	Z 01:08:58.3	78.8	8.5	1.6	59	5.4		

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GEC2	e P	Z	01:08:59.2	79.0	9.0	1.4	48	5.2
STU	e P	Z	01:09:01.7	79.4	6.1	1.3	50	5.3
FUR	e P	Z	01:09:04.1	79.9	7.4	1.1	36	5.2
BFO	e P	Z	01:09:03.9	79.9	5.6	1.6	76	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	03:51:19.0	18.820S	174.610W	50.0N				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z 04:10:53.3	146.5	4.1					
CLZ	e PKPbc	Z 04:10:55.2	146.7	8.6					
CLL	e PKPbc	Z 04:10:55.4	147.0	13.3					
BRG	e PKPbc	Z 04:10:56.4	147.2	15.1					
BUG	e PKPbc	Z 04:10:56.8	147.3	3.3					
MOX	e PKPbc	Z 04:10:57.7	147.8	11.1					
WERD	e PKPbc	Z 04:10:58.2	147.9	12.4					
GUNZ	e PKPbc	Z 04:10:58.6	148.0	12.5					
TNS	e PKPbc	Z 04:10:59.8	148.5	5.5					
	e PKPab	Z 04:11:03.4							
NOTT	e PKPbc	Z 04:11:00.1	148.5	12.3					
GRA1	e PKPbc	Z 04:11:00.8	148.8	10.7					
	e PKPab	Z 04:11:04.5							
WET	e PKPbc	Z 04:11:01.5	149.1	13.9					
WLF	e PKPbc	Z 04:11:01.9	149.1	1.4					
	e PKPab	Z 04:11:06.0							
GEC2	e PKPbc	Z 04:11:01.2	149.2	15.5					
	e PKPab	Z 04:11:06.2							
BFO	e PKPbc	Z 04:11:04.0	150.4	5.6					
	e PKPab	Z 04:11:11.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	04:00:25.7	19.931S	176.687W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 04:20:11.6	149.6	14.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	13:21:30.2	1.510N	96.788E	33.0N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	13:34:07.6	86.0	92.4	0.7	6	4.8
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	13:45:31.5	27.269N	100.871E	33.0N	4.6			SZGRF

Yunnan, China

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:56:36.2	69.3	71.8	1.1	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	14:14:53.2	26.720N	102.300E	33.0N	5.4	5.2		SZGRF

Sichuan, China

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	14:25:49.0	68.2	74.0	1.4	79	5.7		
BRG	e P	Z	14:25:51.8	68.6	73.5	1.4	34	5.4		
CLL	e P	Z	14:25:54.7	69.0	73.0	1.3	31	5.4		
GEC2	e P	Z	14:25:56.9	69.3	72.6	1.3	28	5.2		
WERD	e P	Z	14:25:58.9	69.7	72.2	1.3	25	5.2		
GUNZ	e P	Z	14:25:59.1	69.7	72.2	1.2	33	5.4		
WET	e P	Z	14:25:58.8	69.8	72.2	1.3	31	5.3		
BSEG	e P	Z	14:25:59.4	69.8	72.0	1.2	50	5.5		
NOTT	e P	Z	14:26:00.3	70.0	71.9	1.3	43	5.4		
MOX	e P	Z	14:26:01.0	70.1	71.8	1.5	35	5.3		
CLZ	e P	Z	14:26:03.6	70.4	71.3	1.2	54	5.6		
GRA1	e P	Z	14:26:05.0	70.6	71.2	1.3	58	5.6		
	e L	Z	14:59:21.9			18.2	1160		5.2	
FUR	e P	Z	14:26:07.1	71.1	70.8	1.3	90	5.7		
TNS	e P	Z	14:26:13.2	72.1	69.5	1.1	23	5.2		
STU	e P	Z	14:26:14.2	72.2	69.5	1.6	88	5.6		
BFO	e P	Z	14:26:16.6	72.9	68.8	1.3	41	5.4		
WLF	e P	Z	14:26:23.3	73.7	67.7	1.3	91	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/05	23:56:49.8	6.120S	141.620E	33.0N				SZGRF

New Guinea, Papua New Guinea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z	00:15:32.5	117.1	61.9					
BRG	e PKPdf	Z	00:15:33.2	117.8	62.8					
CLL	e PKPdf	Z	00:15:33.9	118.1	61.7					
BSEG	e PKPdf	Z	00:15:34.0	118.2	57.9					
GEC2	e PKPdf	Z	00:15:35.8	118.8	63.6					

WERD	e	PKPdf	Z	00:15:35.2	118.9	61.5
GUNZ	e	PKPdf	Z	00:15:35.7	118.9	61.6
WET	e	PKPdf	Z	00:15:36.4	119.2	62.7
MOX	e	PKPdf	Z	00:15:35.9	119.2	60.7
CLZ	e	PKPdf	Z	00:15:36.5	119.3	59.0
NOTT	e	PKPdf	Z	00:15:36.0	119.3	61.6
GRA1	e	PKPdf	Z	00:15:37.3	119.9	60.8
IBBN	e	PKPdf	Z	00:15:39.0	120.4	56.2
FUR	e	PKPdf	Z	00:15:39.2	120.6	61.7
BUG	e	PKPdf	Z	00:15:39.7	121.1	56.1
TNS	e	PKPdf	Z	00:15:39.8	121.1	57.9
STU	e	PKPdf	Z	00:15:40.7	121.5	59.4
BFO	e	PKPdf	Z	00:15:41.8	122.2	58.8
WLF	e	PKPdf	Z	00:15:43.6	122.7	55.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	00:10:14.0	23.940S	178.410W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 00:29:59.1	149.3	15.8					
RUE	e	PKPbc	Z 00:30:01.4	150.0	22.7					
CLL	e	PKPbc	Z 00:30:04.3	151.3	22.1					
	e	PKPab	Z 00:30:11.8							
CLZ	e	PKPbc	Z 00:30:04.7	151.3	16.9					
	e	PKPab	Z 00:30:12.3							
BRG	e	PKPbc	Z 00:30:04.9	151.4	24.1					
	e	PKPab	Z 00:30:12.6							
BUG	e	PKPbc	Z 00:30:06.2	152.2	11.2					
MOX	e	PKPbc	Z 00:30:06.4	152.2	19.9					
WERD	e	PKPbc	Z 00:30:06.6	152.2	21.4					
GUNZ	e	PKPbc	Z 00:30:06.9	152.3	21.5					
	e	PKPab	Z 00:30:16.6							
NOTT	e	PKPbc	Z 00:30:08.0	152.9	21.5					
GRA1	e	PKPbc	Z 00:30:08.4	153.2	19.8					
	e	PKPab	Z 00:30:20.7							
TNS	e	PKPbc	Z 00:30:08.4	153.2	14.0					
	e	PKPab	Z 00:30:20.2							
WET	e	PKPab	Z 00:30:20.7	153.3	23.4					
GEC2	e	PKPbc	Z 00:30:08.9	153.3	25.3					
WLF	e	PKPbc	Z 00:30:11.5	154.0	9.6					
STU	e	PKPbc	Z 00:30:11.3	154.5	16.3					
FUR	e	PKPab	Z 00:30:26.4	154.6	21.0					
BFO	e	PKPab	Z 00:30:27.8	155.0	14.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	04:02:43.2	84.850N	86.680E	33.0G	5.3			SZGRF

North of Severnaya Zemlya

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	04:09:35.9	35.2	8.7	1.3	97	5.6		
RUE	e P	Z	04:09:45.7	36.3	8.3	1.2	68	5.4		
IBBN	e P	Z	04:09:51.9	37.0	8.4	2.0	152	5.4		
CLZ	e P	Z	04:09:53.5	37.2	8.3	1.4	129	5.5		
CLL	i P	- Z	04:09:55.5	37.5	8.1	1.5	90	5.2		
	e		04:10:04.4							
	e PP	Z	04:11:22.8							
	e PcP	Z	04:12:07.5							
	e S	Z	04:15:47.5							
	e S	N	04:15:52.6							
	e SS	E	04:18:34.9							
	e LR	Z	04:21:03.0							
	e L	Z	04:24:53.9			22.0	979			
BRG	e P	Z	04:09:58.7	37.9	8.0	1.4	78	5.3		
BUG	e P	Z	04:09:58.7	37.9	8.3	1.3	116	5.4		
MOX	e P	Z	04:10:02.2	38.3	8.0	1.6	182	5.6		
WERD	e P	Z	04:10:03.6	38.4	8.0	1.4	110	5.3		
GUNZ	e P	Z	04:10:04.2	38.5	8.0	1.2	109	5.4		
TNS	e P	Z	04:10:08.0	39.0	8.0	1.5	75	5.1		
NOTT	e P	Z	04:10:09.1	39.1	7.9	1.2	90	5.3		
GRA1	e P	Z	04:10:11.0	39.3	7.9	1.5	219	5.5		
	e L	Z	04:31:32.0			20.3	618			
WET	e P	Z	04:10:14.3	39.7	7.8	1.5	72	5.1		
WLF	e P	Z	04:10:15.0	39.8	8.0	1.2	53	5.0		
GEC2	e P	Z	04:10:16.1	39.9	7.7	1.5	114	5.3		
STU	e P	Z	04:10:19.6	40.4	7.8	1.4	104	5.4		
FUR	e P	Z	04:10:23.2	40.8	7.6	2.0	222	5.5		
BFO	e P	Z	04:10:23.8	40.9	7.7	1.5	55	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	05:36:0.3	10.733S	66.291E	27.4	5.0			SZGRF

Mid-Indian Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:47:51.2	77.2	124.3	1.0	12	5.0		
	e pP	Z	05:47:59.1							
	e		05:48:05.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	06:38:35.6	0.696N	98.207E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:51:20.4	87.5	91.8	0.9	5	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	07:36:23.4	16.510S	68.290W	33.0G	5.5			SZGRF

Peru-Bolivia border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 07:49:32.4	92.9	247.6	1.5	36	5.6		
BFO	e P	Z 07:49:35.9	93.7	249.2	0.9	8	5.0		
BUG	e P	Z 07:49:38.0	94.2	248.6	0.9	30	5.6		
STU	e P	Z 07:49:39.1	94.4	249.8	0.7	31	5.7		
TNS	e P	Z 07:49:39.4	94.5	249.4	0.8	26	5.6		
IBBN	e P	Z 07:49:41.2	94.8	249.0	1.0	38	5.8		
GRA1	e P	Z 07:49:46.5	96.0	251.4	0.8	20	5.7		
	e PKKP	Z 08:06:24.1							
CLZ	e P	Z 07:49:47.3	96.1	251.0	0.9	21	5.7		
MOX	e P	Z 07:49:48.8	96.5	251.8	0.8	7	5.2		
NOTT	e P	Z 07:49:49.2	96.5	252.1	0.9	13	5.5		
BSEG	e P	Z 07:49:49.8	96.8	251.2	0.8	32	6.0		
WET	e P	Z 07:49:50.1	96.8	252.6	0.9	10	5.5		
GUNZ	e P	Z 07:49:50.6	96.8	252.3	0.8	4	5.1		
WERD	e P	Z 07:49:50.6	96.9	252.3	0.9	9	5.4		
GEC2	e P	Z 07:49:51.9	97.2	253.1	0.8	10	5.5		
CLL	e P	Z 07:49:53.6	97.5	252.9	0.8	15	5.7		
BRG	e P	Z 07:49:55.1	98.0	253.6	1.5	13	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	09:56:14.6	19.990S	174.400W	219.7				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 10:15:27.6	145.9	7.9					
RUE	e PKPbc	Z 10:15:30.3	146.9	14.2					
	e pPKPbc	Z 10:16:25.4							
IBBN	e PKPbc	Z 10:15:32.7	147.6	3.8					
CLZ	e PKPdf	Z 10:15:30.7	147.9	8.5					
	e PKPbc	Z 10:15:33.9							
CLL	e PKPdf	Z 10:15:30.8	148.1	13.3					
	i PKPbc	Z 10:15:34.0			0.9	263			
	e PKPab	Z 10:15:37.0							
	e pPKPbc	Z 10:16:28.3							
	e sPKPbc	Z 10:16:48.1							

	i	SKPbc	Z	10:18:54.9					
	e	PP	Z	10:18:56.3					
	e	SS	E	10:37:44.1					
	e	sSS	E	10:39:01.8					
BRG	e	PKPdf	Z	10:15:31.6	148.4	15.1			
	e	PKPbc	Z	10:15:34.6					
	e	pPKPbc	Z	10:16:30.9					
BUG	e	PKPbc	Z	10:15:35.3	148.5	3.0			
MOX	e	PKPdf	Z	10:15:31.9	149.0	11.0			
	e	PKPbc	Z	10:15:36.4					
WERD	e	PKPdf	Z	10:15:31.9	149.1	12.3			
	e	PKPbc	Z	10:15:37.0					
GUNZ	e	PKPdf	Z	10:15:32.3	149.2	12.4			
	e	PKPbc	Z	10:15:36.9					
	e	PKPab	Z	10:15:41.9					
TNS	e	PKPbc	Z	10:15:38.6	149.7	5.3			
	e	PKPab	Z	10:15:44.2					
NOTT	e	PKPdf	Z	10:15:33.6	149.7	12.2			
	e	PKPbc	Z	10:15:38.0					
	e	PKPab	Z	10:15:44.1					
GRA1	e	PKPdf	Z	10:15:34.2	150.0	10.6			
	e	PKPbc	Z	10:15:39.1					
	e	PKPab	Z	10:15:45.3					
	e	pPKPbc	Z	10:16:36.0					
WET	e	PKPbc	Z	10:15:39.6	150.3	13.9			
	e	PKPab	Z	10:15:46.1					
WLF	e	PKPbc	Z	10:15:40.2	150.3	1.0			
	e	pPKPbc	Z	10:16:35.6					
GEC2	e	PKPdf	Z	10:15:35.0	150.4	15.6			
	e	PKPbc	Z	10:15:39.8					
	e	PKPab	Z	10:15:46.9					
STU	e	PKPdf	Z	10:15:36.0	151.1	7.0			
	e	PKPbc	Z	10:15:41.6					
FUR	e	PKPdf	Z	10:15:37.2	151.5	11.2			
	e	PKPbc	Z	10:15:42.4					
	e	PKPab	Z	10:15:51.5					
BFO	e	PKPbc	Z	10:15:42.7	151.6	5.4			
	e	PKPab	Z	10:15:51.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	12:40:36.5	11.800N	125.700E	33.3	5.3			GSRC-M
Samar, Philippine Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:54:03.8	96.1	63.6	1.6	16	5.3		
	e pP	Z 12:54:13.6			1.6	16			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	12:55:13.4	40.724N	143.449E	33.0G	4.7	5.1		SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:07:21.6	80.3	34.7	1.1	9	4.7		
	e	13:07:27.8							
	e L	E 13:42:00.1			19.2	906		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	14:29:52.6	16.109S	175.327W	45.0N				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 14:49:20.3	144.2	13.8					
BRG	e PKPbc	Z 14:49:21.6	144.4	15.4					
BUG	e PKPbc	Z 14:49:22.5	144.6	4.3					
MOX	e PKPbc	Z 14:49:22.3	145.0	11.7					
WERD	e PKPbc	Z 14:49:23.9	145.1	12.9					
GUNZ	e PKPbc	Z 14:49:22.9	145.2	13.0					
TNS	e PKPbc	Z 14:49:26.3	145.8	6.5					
NOTT	e PKPbc	Z 14:49:25.1	145.8	12.8					
GRA1	e PKP	Z 14:49:25.9	146.0	11.3					
WLF	e PKPbc	Z 14:49:27.0	146.4	2.6					
STU	e PKPbc	Z 14:49:30.0	147.1	8.0					
BFO	e PKPbc	Z 14:49:32.1	147.6	6.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	16:03: 3.5	12.058N	83.232W	33.0N	4.7			SZGRF

Nicaragua

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:15:29.3	83.7	281.2	1.4	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	16:05:26.3	36.220N	140.300E	63.8	5.0			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 16:17:30.1	79.9	41.2	0.6	9	4.9		
BSEG	e P	Z 16:17:31.3	80.1	38.9	1.2	14	4.8		

BRG	e P	Z	16:17:36.0	81.0	41.1	0.9	8	4.7
CLL	e P	Z	16:17:36.0	81.0	40.5	0.9	18	5.1
CLZ	e P	Z	16:17:40.1	81.7	38.7	0.9	12	5.0
GUNZ	e P	Z	16:17:41.7	82.0	40.0	1.1	8	4.8
MOX	e P	Z	16:17:41.9	82.1	39.5	1.5	12	4.8
IBBN	e P	Z	16:17:42.8	82.3	36.9	0.7	19	5.4
NOTT	e P	Z	16:17:44.6	82.6	39.8	1.2	10	4.9
GEC2	e P	Z	16:17:44.4	82.6	40.8	0.9	4	4.7
WET	e P	Z	16:17:45.5	82.7	40.2	1.1	7	4.8
GRA1	e P	Z	16:17:47.1	83.0	39.1	0.9	20	5.3
	e pP	Z	16:18:04.8					
TNS	e P	Z	16:17:50.4	83.7	37.2			
FUR	e P	Z	16:17:52.7	84.2	39.0	0.6	21	5.5
STU	e P	Z	16:17:54.3	84.6	37.6	0.9	14	5.2
BFO	e P	Z	16:17:57.7	85.3	37.0	0.9	10	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	16:22:22.7	34.875N	30.003E	33.0N	4.0			KAN
Eastern Mediterranean Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:26:56.1	20.2	130.1	1.0	5	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	17:29: 6.2	46.243N	153.451E	33.0N	4.8			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:41:05.2	78.6	25.6	1.0	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/06	20:25:30.0	19.343N	121.703E	33.0N	4.8			SZGRF
Philippine Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:38:16.0	87.8	62.2	1.0	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	02:18: 6.2	42.665S	34.226E	33.0N	5.4	6.0		SZGRF
Prince Edward Islands, South Africa, region								

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Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:31:23.6	94.5	163.2	1.2	22	5.4		
	e PP	Z	02:35:19.5							
	e		02:39:11.3							
	e L	Z	03:16:10.5			21.0	5768		6.0	
CLL	e Pdiff	Z	02:31:31.8	95.4	164.4					
	e PP	Z	02:35:33.0							
	e SKSac	N	02:42:13.5							
	e Sdiff	E	02:43:15.4							
	e PS	N	02:44:31.5							
	e SS	N	02:49:49.8							
	e SSSS	E	02:57:01.3							
	e LR	Z	03:05:09.4							
	e L	Z	03:14:49.0			22.0	5409		6.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	04:51:35.1	7.300S	119.600E	412.0G				NEIR-M

Flores Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z	05:09:38.9	107.4	80.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	09:42:11.0	27.500N	53.700E	40.0N	3.8			INFO-M

Southern Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:49:37.0	39.2	108.5	0.9	2	3.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	11:35:26.5	14.500S	177.300W	10.0G		6.1		NEIR-M

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z	11:54:57.1	142.4	16.5	1.1	13			
	e PP	Z	11:58:07.2							
	e PKSbc	Z	11:58:37.4							
	e SS	E	12:16:35.4							
	e PSPS	N	12:17:29.2							
	e LR	Z	12:42:31.5							
	e L	Z	12:57:59.2			22.0	3411		6.1	
GRA1	e PKP	Z	11:54:59.9	144.1	14.2					
	e PP	Z	11:58:16.5							

e SS	T	12:17:02.4									
e L	Z	12:59:08.1			21.9		3406			6.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	13:54:25.0	14.400S	177.000W	10.0N		5.2		NEIR-M

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 14:13:53.8	144.1	13.7					
	e L	Z 15:17:53.6			21.5	398		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	14:41: 0.7	14.400S	177.200W	10.0G		6.0		neir

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:00:35.6	144.0	14.0					
	e L	Z 16:04:54.3			18.4	2475		6.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	15:06:47.0	36.760N	141.760E	41.0	5.8			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 15:18:53.6	80.0	39.9	1.3	170	5.8		
BSEG	e P	Z 15:18:54.5	80.1	37.6	1.1	142	5.8		
BRG	e P	Z 15:18:59.5	81.1	39.8	1.0	72	5.6		
CLL	i P	+ Z 15:18:59.6	81.2	39.2	1.1	138	6.0		
	e pP	Z 15:19:11.4							
	e PP	Z 15:22:06.6							
	e S	E 15:29:08.9							
	e PS	E 15:30:01.6							
	e SS	E 15:34:36.2							
	e L	Z 16:02:23.6			20.0	1736		5.4	
CLZ	e P	Z 15:19:03.3	81.8	37.4	1.1	111	5.9		
WERD	e P	Z 15:19:04.9	82.1	38.6	1.2	54	5.6		
GUNZ	e P	Z 15:19:05.2	82.2	38.7	1.1	64	5.7		
MOX	e P	Z 15:19:05.4	82.2	38.2	1.1	56	5.7		
IBBN	e P	Z 15:19:05.9	82.3	35.6	0.8	94	6.1		
NOTT	e P	Z 15:19:08.2	82.7	38.5	1.2	106	5.9		
GEC2	e P	Z 15:19:08.1	82.8	39.5	1.0	48	5.7		
WET	e P	Z 15:19:09.1	82.9	38.9	1.1	59	5.7		
GRA1	e P	Z 15:19:10.6	83.1	37.8	1.2	229	6.3		

	e pP	Z	15:19:22.5							
BUG	e P	Z	15:19:10.3	83.2	35.1	1.0	48	5.7		
TNS	e P	Z	15:19:13.5	83.8	35.9	1.1	44	5.6		
FUR	e P	Z	15:19:16.3	84.3	37.8	0.9	116	6.1		
STU	e P	Z	15:19:17.8	84.7	36.3	1.1	142	6.1		
WLF	e P	Z	15:19:20.4	85.1	34.2	1.5	127	5.9		
BFO	e P	Z	15:19:21.2	85.4	35.7	1.1	98	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 15:31:47.4							
CLL	e PKP	Z 15:31:47.3							
GEC2	e PKP	Z 15:31:52.2							
GUNZ	e PKP	Z 15:31:50.8							
NOTT	e PKP	Z 15:31:52.1							
WERD	e PKP	Z 15:31:50.5							
WLF	e PKP	Z 15:31:58.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	17:06:47.3	4.225N	95.440E	33.0N	4.7			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:19:09.9	83.0	91.7	1.4	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	17:19: 7.6	49.684N	156.492E	33.0N	4.3			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:30:53.4	76.3	22.3	1.2	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/07	17:44:52.7	34.340N	69.160E	33.0N	4.6	3.7		SZGRF
Southeastern Afghanistan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 17:52:47.7	42.7	90.8	1.1	8	4.4		
GEC2	e P	Z 17:52:48.6	42.9	88.4	1.3	5	4.1		

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CLL	e P	Z	17:52:52.0	43.3	90.5	1.0	6	4.3		
GUNZ	e P	Z	17:52:56.2	43.7	89.0	1.1	7	4.3		
WERD	e P	Z	17:52:56.1	43.7	89.1	1.2	7	4.2		
NOTT	e P	Z	17:52:57.5	43.9	88.3	1.3	10	4.4		
MOX	e P	Z	17:52:59.6	44.2	88.8	1.2	10	4.4		
GRA1	e P	Z	17:53:01.8	44.5	87.5	1.0	12	4.8		
	e L	Z	18:13:58.7			19.8	92		3.7	
CLZ	e P	Z	17:53:05.5	44.9	89.0	1.2	17	4.9		
BSEG	e P	Z	17:53:05.9	45.0	91.1	1.1	12	4.7		
TNS	e P	Z	17:53:15.2	46.2	86.0	1.2	7	4.6		
BFO	e P	Z	17:53:15.7	46.5	84.1					
IBBN	e P	Z	17:53:17.8	46.5	87.5	1.0	22	5.2		
BUG	e P	Z	17:53:20.8	46.9	86.3	1.0	11	4.9		
WLF	e P	Z	17:53:27.9	47.7	83.8	0.9	9	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/07 18:56:15.8 43.660N 146.700E 33.0N 4.8
 Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	19:08:00.3	75.5	31.0	0.9	11	5.0		
CLL	e P	Z	19:08:07.3	76.9	32.5	0.9	15	5.1		
BRG	e P	Z	19:08:07.6	77.0	33.0	0.8	3	4.5		
CLZ	e P	Z	19:08:10.4	77.3	30.8	0.8	10	5.0		
IBBN	e P	Z	19:08:11.6	77.7	29.1	0.6	16	5.3		
WERD	e P	Z	19:08:12.6	77.9	31.9	1.1	4	4.5		
GUNZ	e P	Z	19:08:13.4	77.9	31.9	0.5	4	4.7		
MOX	e P	Z	19:08:13.0	77.9	31.5	0.7	4	4.7		
NOTT	e P	Z	19:08:16.2	78.5	31.7	0.7	3	4.5		
BUG	e P	Z	19:08:17.4	78.6	28.7	1.1	8	4.7		
GEC2	e P	Z	19:08:17.7	78.7	32.6	0.7	3	4.4		
WET	e P	Z	19:08:18.3	78.8	32.1	1.2	8	4.6		
GRA1	e P	Z	19:08:18.9	78.9	31.1	0.6	10	5.0		
TNS	e P	Z	19:08:20.3	79.3	29.4	0.6	4	4.6		
FUR	e P	Z	19:08:26.0	80.2	31.0	1.1	18	5.0		
STU	e P	Z	19:08:26.4	80.3	29.7	0.6	7	4.9		
BFO	e P	Z	19:08:30.1	81.0	29.1	1.1	7	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/07 23:11:25.4 17.960S 175.470W 33.0N
 Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z	23:30:59.9	145.6	5.4					
CLZ	e PKPbc	Z	23:31:01.1	145.8	9.9					

CLL	e	PKPbc	Z	23:31:01.3	146.0	14.5
BRG	e	PKPbc	Z	23:31:02.6	146.2	16.3
BUG	e	PKPbc	Z	23:31:02.5	146.4	4.7
MOX	e	PKPbc	Z	23:31:03.6	146.8	12.4
WERD	e	PKPbc	Z	23:31:04.2	146.9	13.6
GUNZ	e	PKPbc	Z	23:31:04.6	147.0	13.7
NOTT	e	PKPbc	Z	23:31:06.2	147.6	13.6
TNS	e	PKPbc	Z	23:31:06.4	147.6	7.0
GRA1	e	PKPbc	Z	23:31:07.1	147.8	12.0
GEC2	e	PKPbc	Z	23:31:07.7	148.2	16.7
WLF	e	PKPbc	Z	23:31:08.4	148.3	2.9
FUR	e	PKPbc	Z	23:31:10.7	149.3	12.6
BFO	e	PKPbc	Z	23:31:11.1	149.5	7.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/08	02:25:28.4	16.587N	97.004E	33.0N	4.5			SZGRF
Near south coast of Myanmar								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:37:05.4	74.7	82.2	1.1	6	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/08	08:33:56.7	3.900S	140.100E	8.0N		5.7		NEIR-M
Irian Jaya, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PP	Z 08:53:39.6	115.5	61.8					
	e SKSac	E 08:59:26.7							
	e Sdiff	N 09:01:30.7							
	e PS	E 09:03:23.1							
	e PPS	Z 09:04:27.8							
	e (SS)	N 09:09:42.9							
	e LR	Z 09:31:05.6							
	e L	Z 09:45:13.3			22.0	1966		5.7	
GRA1	e PKKP	Z 09:03:11.1	117.2	60.8					
	e L	Z 09:46:12.1			20.5	1719		5.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/08	12:46:15.9	46.903N	154.744E	33.0N	4.7			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:58:13.5	78.4	24.5	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	01:28:2.4	40.381N	33.790E	10.0G	4.3	3.2		SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	01:31:53.2	16.5	113.2	1.1	13	4.0		
WET	e P	Z	01:32:01.2	17.2	112.8	1.3	26	4.2		
BRG	e P	Z	01:32:02.3	17.3	119.6	1.5	17	3.9		
GUNZ	e P	Z	01:32:11.0	18.0	115.5	1.4	26	4.2		
WERD	e P	Z	01:32:11.6	18.0	115.7	1.6	36	4.2		
CLL	e P	Z	01:32:11.8	18.0	119.2	1.6	38	4.3		
GRA1	e P	Z	01:32:15.3	18.4	111.9	1.4	37	4.3		
	e L	Z	01:42:53.6			20.0	120		3.2	
MOX	e P	Z	01:32:17.7	18.5	115.1	1.3	30	4.4		
STU	e P	Z	01:32:26.6	19.3	106.5	1.1	20	4.3		
CLZ	e P	Z	01:32:31.9	19.7	116.3	1.1	21	4.3		
BFO	e P	Z	01:32:32.1	19.7	104.2	1.1	52	4.7		
TNS	e P	Z	01:32:37.4	20.2	109.4	1.3	13	4.0		
BSEG	e P	Z	01:32:42.8	20.8	121.2	1.2	37	4.6		
BUG	e P	Z	01:32:49.9	21.3	110.8	1.3	40	4.6		
IBBN	e P	Z	01:32:50.2	21.4	113.5	0.7	24	4.6		
WLF	e P	Z	01:32:50.4	21.5	105.1	1.4	26	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	04:45:37.3	20.500S	181.000W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	05:05:16.9	147.3	24.8					
CLZ	e PKPbc	Z	05:05:17.8	147.4	20.1					
BRG	e PKPbc	Z	05:05:18.0	147.4	26.7					
WERD	e PKPbc	Z	05:05:20.1	148.3	24.2					
GUNZ	e PKPbc	Z	05:05:20.4	148.3	24.3					
GRA1	e PKPbc	Z	05:05:22.9	149.2	22.8					
GEC2	e PKPbc	Z	05:05:23.2	149.3	27.8					
TNS	e PKPbc	Z	05:05:23.0	149.4	17.6					
WLF	e PKPbc	Z	05:05:25.9	150.3	13.6					
STU	e PKPbc	Z	05:05:26.0	150.6	19.7					
BFO	e PKPbc	Z	05:05:27.2	151.2	18.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	05:09:46.0	30.190N	49.850E	33.0N	4.9	3.8		SZGRF

Western Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	05:16:19.8	33.1	110.9	1.0	8	4.6		
WET	e P	Z	05:16:24.7	33.7	110.4	1.0	16	4.9		
BRG	e P	Z	05:16:24.6	33.7	114.0	1.0	11	4.8		
CLL	e P	Z	05:16:30.7	34.4	113.5	1.0	19	5.0		
GUNZ	e P	Z	05:16:31.6	34.5	111.5	1.1	10	4.6		
RUE	e P	Z	05:16:31.9	34.5	116.0	1.1	39	5.3		
GRA1	e P	Z	05:16:35.1	34.9	109.4	1.0	45	5.4		
	e L	Z	05:37:43.1			21.7	198		3.8	
MOX	e P	Z	05:16:35.9	35.0	111.1	1.2	10	4.6		
CLZ	e P	Z	05:16:45.8	36.1	111.3	0.9	35	5.2		
BFO	e P	Z	05:16:46.8	36.3	104.6	1.0	6	4.4		
TNS	e P	Z	05:16:51.4	36.7	107.2	1.0	14	4.6		
BSEG	e P	Z	05:16:52.5	37.0	113.8	1.4	40	5.0		
IBBN	e P	Z	05:17:00.6	37.8	109.1	0.7	26	5.1		
BUG	e P	Z	05:17:00.5	37.8	107.5	1.1	31	4.9		
WLF	e P	Z	05:17:02.0	38.0	104.2	0.9	18	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/09 04:58:55.9 21.199S 173.834E 7* 5.1 5.2 ML NEIR-M
 Vanuatu Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	05:18:45.6	148.3	32.3					

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/09 05:26:17.0 21.200S 173.800E 21.0N 6.2 ML NEIR-M
 Vanuatu Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z	05:45:54.9							
	e PKPbc	Z	05:45:57.6							
	e pPKPbc	Z	05:46:07.2							
	e PP	Z	05:49:20.9							
	e SKKSac	Z	05:56:06.9							
	e SKSP	Z	05:59:17.1							
	e SS	E	06:08:23.5							
	e PSPS	Z	06:09:02.9							
	e SSS	N	06:14:03.8							
	e L	Z	06:49:26.0			22.0	4729		6.2	
GRA1	e PKP	Z	05:46:01.2	148.3	32.1					
	e L	Z	06:49:39.9			21.9	4328		6.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	08:22:14.6	18.310S	177.230W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	08:41:46.4	144.8	18.3					
IBBN	e PKPbc	Z	08:41:50.1	145.8	8.4					
CLZ	e PKPbc	Z	08:41:50.5	145.9	13.0					
CLL	e PKPbc	Z	08:41:50.3	146.0	17.6					
BRG	e PKPbc	Z	08:41:50.9	146.2	19.3					
MOX	e PKPbc	Z	08:41:53.2	146.9	15.5					
WERD	e PKPbc	Z	08:41:53.3	147.0	16.8					
GUNZ	e PKPbc	Z	08:41:53.8	147.0	16.9					
TNS	e PKPbc	Z	08:41:55.6	147.8	10.1					
	e PKPab	Z	08:41:58.7							
GRA1	e PKPbc	Z	08:41:56.3	147.9	15.2					
	e PKPab	Z	08:41:59.2							
WET	e PKPbc	Z	08:41:56.4	148.1	18.4					
	e PKPab	Z	08:41:59.9							
GEC2	e PKPdf	Z	08:41:54.5	148.2	20.0					
	e PKPbc	Z	08:41:56.7							
WLF	e PKPdf	Z	08:41:55.5	148.5	6.2					
	e PKPbc	Z	08:41:58.6							
	e PKPab	Z	08:42:01.7							
STU	e PKPdf	Z	08:41:55.8	149.1	11.9					
	e PKPbc	Z	08:41:59.7							
FUR	e PKPdf	Z	08:41:56.4	149.4	16.0					
	e PKPbc	Z	08:42:00.2							
	e PKPab	Z	08:42:04.7							
BFO	e PKPbc	Z	08:42:00.6	149.6	10.5					
	e PKPab	Z	08:42:05.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	11:23: 2.3	7.620N	93.640E	33.0N	5.2	4.8		SZGRF
Nicobar Islands, India, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:34:56.5	77.6	93.2	1.5	39	5.3		
GEC2	e P	Z	11:34:56.9	77.7	92.5	1.0	26	5.3		
RUE	e P	Z	11:34:57.2	77.8	93.4	1.1	61	5.6		
WET	e P	Z	11:34:59.9	78.2	92.0	1.3	32	5.3		
CLL	e P	Z	11:34:58.9	78.2	92.5	1.5	57	5.5		
	e PP	Z	11:37:56.4							
	e S	N	11:44:57.3							
	e L	Z	12:16:51.4			18.0	361		4.7	

GUNZ	e P	Z	11:35:02.0	78.6	91.8	1.3	21	5.0	
WERD	e P	Z	11:35:01.9	78.6	91.8	1.2	20	5.0	
MOX	e P	Z	11:35:04.4	79.1	91.3	1.2	20	5.0	
FUR	e P	Z	11:35:05.1	79.2	90.6	1.1	23	5.1	
GRA1	e P	Z	11:35:06.2	79.3	90.8	1.2	40	5.3	
	e L	Z	12:16:48.3			18.7	429		4.8
CLZ	e P	Z	11:35:08.7	79.9	90.5	1.4	53	5.3	
BSEG	e P	Z	11:35:09.1	79.9	90.9	1.1	68	5.5	
STU	e P	Z	11:35:12.7	80.6	89.1	0.4	13	5.3	
TNS	e P	Z	11:35:15.4	81.1	88.8	1.3	17	4.9	
BFO	e P	Z	11:35:15.6	81.2	88.4	0.8	8	4.8	
IBBN	e P	Z	11:35:17.4	81.5	88.6	1.0	39	5.5	
BUG	e P	Z	11:35:19.1	81.8	88.1	1.2	36	5.4	
WLF	e P	Z	11:35:23.7	82.6	87.0	1.3	26	5.3	

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/09 14:12:21.9 21.690S 173.160E 33.0N 6.2 SZGRF
 Vanuatu Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	14:31:55.3	145.2	28.7					
RUE	e PKPbc	Z	14:31:56.6	145.4	35.2					
CLL	e PKPdf	Z	14:31:57.5	146.6	35.0	1.0	7			
	e PKiKP	Z	14:32:01.0							
	e		14:32:03.6							
	e SKKSac	N	14:42:10.8							
	e SS	E	14:54:24.1							
	e SSS	N	15:00:03.7							
	e LR	Z	15:21:35.0							
	e L	Z	15:34:03.5			22.0	3677			
BRG	e PKPbc	Z	14:31:59.2	146.6	36.8					
CLZ	e PKPbc	Z	14:32:01.4	147.0	30.4					
IBBN	e PKPbc	Z	14:32:02.2	147.4	25.8					
WERD	e PKPbc	Z	14:32:03.2	147.6	34.6					
GUNZ	e PKPbc	Z	14:32:03.3	147.6	34.7					
MOX	e PKPbc	Z	14:32:03.0	147.6	33.3					
BUG	e PKPbc	Z	14:32:04.3	148.3	25.5					
GEC2	e PKPbc	Z	14:32:04.5	148.3	38.4					
WET	e PKPbc	Z	14:32:04.9	148.4	36.8					
GRA1	e PKPbc	Z	14:32:05.6	148.6	33.5					
	e L	Z	15:35:46.5			22.0	4108		6.2	
TNS	e PKPbc	Z	14:32:06.8	149.0	28.4					
STU	e PKPbc	Z	14:32:09.2	150.1	30.9					
WLF	e PKPbc	Z	14:32:10.3	150.2	24.9					
BFO	e PKPbc	Z	14:32:10.3	150.7	29.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:16:29.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	16:26:24.0	33.600N	143.190E	43.3	5.5			SZGRF
Off east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 16:38:47.5	83.3	40.4	0.8	35	5.7		
BSEG	e P	Z 16:38:48.4	83.5	37.9	1.1	37	5.5		
BRG	e P	Z 16:38:53.1	84.4	40.4	1.0	29	5.5		
CLL	e P	Z 16:38:53.0	84.5	39.7	0.9	68	5.9		
CLZ	e P	Z 16:38:56.8	85.1	37.8	1.1	68	5.8		
WERD	e P	Z 16:38:58.2	85.4	39.2	1.2	34	5.4		
GUNZ	e P	Z 16:38:58.5	85.5	39.2	1.1	39	5.4		
MOX	e P	Z 16:38:58.7	85.6	38.7	1.3	42	5.4		
IBBN	e P	Z 16:38:59.4	85.7	35.9	1.1	99	5.8		
GEC2	e P	Z 16:39:01.1	86.1	40.1	1.2	13	4.9		
WET	e P	Z 16:39:02.3	86.2	39.5	1.6	29	5.2		
GRA1	e P	Z 16:39:03.7	86.5	38.4	1.1	75	5.7		
	e pP	Z 16:39:16.3							
BUG	e P	Z 16:39:03.5	86.6	35.5	1.0	40	5.5		
TNS	e P	Z 16:39:06.4	87.1	36.3	1.2	26	5.2		
FUR	e P	Z 16:39:09.2	87.6	38.3	0.8	26	5.6		
STU	e P	Z 16:39:10.6	88.0	36.8	0.4	13	5.6		
WLF	e P	Z 16:39:13.3	88.4	34.6	1.3	36	5.4		
BFO	e P	Z 16:39:13.1	88.7	36.2	1.1	15	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/09	22:29:41.5	34.035N	141.453E	33.0N	4.5			SZGRF
Off east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:42:15.9	85.4	39.4	1.1	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	00:36: 8.0	20.900S	173.500E	15.0N		4.8		NEIR-M
Vanuatu Islands region								

./2005/bul0508.txt

Thu Apr 23 08:38:25 2020

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:55:54.5	148.0	32.4					
	e L	Z 02:02:22.9			22.0	182		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	03:53:0.2	34.158N	141.667E	33.0N	4.6			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:05:34.5	85.4	39.2	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	05:10:53.7	43.670N	147.760E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 05:22:39.1	75.8	30.3	0.9	21	5.3		
RUE	e P	Z 05:22:40.8	76.0	32.4	0.5	16	5.4		
CLL	e P	Z 05:22:46.5	77.3	31.8	0.9	29	5.4		
BRG	e P	Z 05:22:46.4	77.3	32.3	0.8	7	4.8		
CLZ	e P	Z 05:22:49.5	77.6	30.1	0.7	20	5.3		
WERD	e P	Z 05:22:52.2	78.2	31.2	1.3	11	4.7		
MOX	e P	Z 05:22:52.4	78.3	30.8	0.7	8	4.8		
GUNZ	e P	Z 05:22:52.7	78.3	31.2	0.8	10	4.9		
BUG	e P	Z 05:22:56.0	78.9	28.0	1.2	22	5.1		
GEC2	e P	Z 05:22:57.0	79.1	32.0	0.7	5	4.7		
WET	e P	Z 05:22:57.6	79.1	31.5	1.0	13	4.9		
GRA1	e P	Z 05:22:58.2	79.2	30.4	0.8	27	5.3		
TNS	e P	Z 05:23:00.3	79.6	28.6	0.9	11	4.8		
FUR	e P	Z 05:23:05.3	80.5	30.3	0.8	15	5.1		
BFO	e P	Z 05:23:09.0	81.3	28.4	0.8	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	08:58:16.4	38.690N	41.798E	33.0N	4.7			SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:03:31.3	24.3	105.2	1.4	34	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	12:47:39.0	48.820N	157.630E	15.3	5.3	4.9		SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 12:59:14.0	73.6	21.8	1.0	24	5.2		
	e PP	Z 13:01:56.6							
RUE	e P	Z 12:59:17.4	74.2	23.8	0.6	39	5.6		
CLL	e P	Z 12:59:24.0	75.4	23.2	1.1	18	5.1		
	e	12:59:28.2							
	e PP	Z 13:02:17.2							
	e S	Z 13:09:09.5							
	e PS	Z 13:09:46.1							
	e SS	E 13:13:57.6							
	e LR	Z 13:24:19.7							
	e L	Z 13:34:21.2							
CLZ	e P	Z 12:59:25.2	75.5	21.6	1.3	49	5.5		5.0
	e PP	Z 13:02:13.6							
BRG	e P	Z 12:59:25.2	75.6	23.7	1.1	19	5.1		
	e PP	Z 13:02:15.9							
IBBN	e P	Z 12:59:26.1	75.7	19.9	0.8	23	5.4		
	e PP	Z 13:02:16.7							
MOX	e P	Z 12:59:29.7	76.4	22.3	0.9	16	5.1		
	e PP	Z 13:02:22.0							
WERD	e P	Z 12:59:30.2	76.4	22.7	1.4	30	5.2		
	e PP	Z 13:02:22.4							
GUNZ	e P	Z 12:59:30.1	76.4	22.7	0.9	14	5.1		
	e PP	Z 13:02:23.3							
BUG	e P	Z 12:59:31.3	76.6	19.6	1.1	25	5.3		
	e PP	Z 13:02:25.1							
GRA1	e P	Z 12:59:35.4	77.3	21.9	0.9	42	5.5		
	e pP	Z 12:59:40.1							
	e PP	Z 13:02:30.0							
	e L	Z 13:36:50.7							
WET	e P	Z 12:59:35.7	77.4	22.9	1.0	33	5.4		4.9
	e PP	Z 13:02:32.1							
TNS	e P	Z 12:59:36.1	77.5	20.2	0.9	17	5.2		
	e PP	Z 13:02:32.4							
GEC2	e P	Z 12:59:35.9	77.5	23.4	1.2	15	5.0		
	e PP	Z 13:02:32.2							
BFO	e P	Z 12:59:45.9	79.3	20.0	1.1	24	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	14:10:42.5	17.900S	175.630W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 14:30:17.9	145.7	10.2					
	e PP	Z 14:33:40.0							

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CLL	e	PKPbc	Z	14:30:17.7	145.9	14.8
BRG	e	PKPbc	Z	14:30:19.7	146.2	16.5
BUG	e	PKPbc	Z	14:30:19.6	146.4	5.0
MOX	e	PKPbc	Z	14:30:20.3	146.7	12.6
WERD	e	PKPbc	Z	14:30:21.0	146.8	13.9
GUNZ	e	PKPbc	Z	14:30:22.0	146.9	14.0
TNS	e	PKPbc	Z	14:30:23.0	147.5	7.2
GRA1	e	PKPbc	Z	14:30:24.1	147.7	12.3
GEC2	e	PKPbc	Z	14:30:24.2	148.1	17.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	14:50:55.7	17.272S	175.280W	33.0N				SZGRF
Tonga Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e	PKPbc	Z 15:10:27.9	144.9	5.1					
CLZ	e	PKPbc	Z 15:10:28.4	145.1	9.5					
CLL	e	PKPbc	Z 15:10:28.3	145.3	14.0					
BRG	e	PKPbc	Z 15:10:29.5	145.6	15.7					
WERD	e	PKPbc	Z 15:10:31.6	146.3	13.1					
GUNZ	e	PKPbc	Z 15:10:32.3	146.3	13.2					
GRA1	e	PKPbc	Z 15:10:35.0	147.2	11.5					
BFO	e	PKPbc	Z 15:10:38.5	148.8	6.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	15:10:48.5	16.445N	145.392E	19.0G		5.2		NEIC-M
Mariana Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	SP	Z 15:38:00.2	102.5	44.8					
	e	L	Z 16:13:33.4			19.7	802		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/10	19:51:33.7	59.340N	31.960W	33.0N	4.5	3.8		SZGRF
Reykjanes Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e	P	Z 19:56:37.3	23.0	303.5					
BUG	e	P	Z 19:56:39.6	23.2	305.2	1.3	27	4.6		
BSEG	e	P	Z 19:56:41.9	23.4	300.4	1.2	28	4.7		
WLF	e	P	Z 19:56:44.9	23.7	308.6	1.9	41	4.6		
TNS	e	P	Z 19:56:52.8	24.6	307.3	1.3	20	4.7		
CLZ	e	P	Z 19:56:52.5	24.6	304.4	1.4	23	4.7		

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BFO	e P	Z	19:57:02.3	25.7	310.5	1.2	6	4.1		
MOX	e P	Z	19:57:04.4	25.9	306.5	1.1	15	4.5		
CLL	e P	Z	19:57:07.5	26.2	305.4	0.8	8	4.4		
	e pP	Z	19:57:09.1							
	e sP	Z	19:57:10.9							
	e Lm	Z	20:08:12.8			16.4	429			
GRA1	e P	Z	19:57:07.2	26.3	308.0	0.9	14	4.6		
	e L	Z	20:06:33.9			21.6	312		3.8	
WERD	e P	Z	19:57:09.1	26.4	306.8	1.4	12	4.4		
FUR	e P	Z	19:57:16.1	27.3	310.4	0.9	11	4.6		
WET	e P	Z	19:57:19.3	27.5	308.8	1.1	7	4.4		
GEC2	e P	Z	19:57:23.4	28.1	309.2	1.5	5	4.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/10 21:17:56.2 18.250S 173.630W 33.0N 5.0 SZGRF
 Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z	21:37:32.3	145.9	2.4					
BUG	e PKPbc	Z	21:37:34.4	146.8	1.6					
BRG	e PKPbc	Z	21:37:35.9	146.8	13.2					
WERD	e PKPbc	Z	21:37:35.8	147.5	10.5					
GUNZ	e PKPbc	Z	21:37:36.5	147.5	10.6					
TNS	e PKPbc	Z	21:37:37.4	148.0	3.7					
GRA1	e PKPbc	Z	21:37:38.8	148.3	8.8					
	e L	Z	22:51:47.8			21.9	298		5.0	
WLF	e PKPbc	Z	21:37:40.2	148.6	359.6					
WET	e PKPbc	Z	21:37:39.7	148.7	11.9					
GEC2	e PKPbc	Z	21:37:40.2	148.8	13.5					
STU	e PKPbc	Z	21:37:42.0	149.4	5.3					
FUR	e PKPbc	Z	21:37:43.4	149.8	9.3					
BFO	e PKPbc	Z	21:37:43.3	149.9	3.7					

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/10 22:08:22.8 36.380N 105.560W 33.0N 5.1 SZGRF
 New Mexico, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z	22:19:57.3	74.1	309.7	1.1	58	5.5		
BSEG	e P	Z	22:19:57.5	74.2	311.2	1.5	70	5.5		
BUG	e P	Z	22:19:58.1	74.4	309.6	1.3	37	5.2		
WLF	e P	Z	22:20:01.9	75.0	309.2	1.3	36	5.2		
CLZ	e P	Z	22:20:05.8	75.6	311.6	1.1	14	5.0		
TNS	e P	Z	22:20:06.2	75.7	310.6	1.3	17	5.0		
RUE	e P	Z	22:20:11.7	76.7	313.8	0.6	13	5.3		

BFO	e P	Z	22:20:12.6	76.9	310.9	1.6	22	5.0
MOX	e P	Z	22:20:13.3	77.0	312.7	1.4	23	5.1
STU	e P	Z	22:20:13.6	77.1	311.4	1.6	17	4.9
CLL	e P	Z	22:20:14.1	77.2	313.5			
WERD	e P	Z	22:20:15.8	77.4	313.2	1.5	21	5.0
GRA1	e P	Z	22:20:16.4	77.4	312.6	1.5	49	5.4
GUNZ	e P	Z	22:20:16.3	77.5	313.2	1.4	24	5.1
BRG	e P	Z	22:20:18.4	77.9	314.2	1.2	12	4.9
FUR	e P	Z	22:20:22.2	78.5	312.9	1.1	20	5.1
WET	e P	Z	22:20:22.4	78.6	313.8	1.9	23	4.9
GEC2	e P	Z	22:20:25.6	79.2	314.4	1.8	20	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	00:20:33.3	24.660S	171.480E	33.0N				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	00:40:16.2	148.6	41.8					
CLL	e PKPbc	Z	00:40:16.8	148.7	39.9					
CLZ	e PKPbc	Z	00:40:18.4	149.2	35.1					
WERD	e PKPbc	Z	00:40:18.8	149.6	39.7					
GUNZ	e PKPbc	Z	00:40:19.6	149.7	39.8					
MOX	e PKPbc	Z	00:40:19.5	149.7	38.4					
GEC2	e PKPbc	Z	00:40:20.6	150.2	43.8					
WET	e PKPbc	Z	00:40:21.0	150.4	42.1					
BUG	e PKPbc	Z	00:40:21.3	150.6	30.3					
GRA1	e PKPbc	Z	00:40:22.2	150.6	38.8					
STU	e PKPbc	Z	00:40:25.3	152.2	36.3					
WLF	e PKPbc	Z	00:40:26.6	152.5	29.9					
BFO	e PKPbc	Z	00:40:27.0	152.9	35.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	01:21:30.7	1.720N	93.480E	29.6	5.0			SZGRF
Off west coast of northern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	01:33:48.1	82.0	96.6	1.2	24	5.2		
BRG	e P	Z	01:33:48.0	82.1	97.1	1.2	12	4.9		
WET	e P	Z	01:33:50.9	82.6	96.0	1.5	21	5.2		
CLL	e P	Z	01:33:51.5	82.7	96.4					
GUNZ	e P	Z	01:33:53.3	83.0	95.7	1.2	9	4.9		
WERD	e P	Z	01:33:53.2	83.1	95.7	3.4	85	5.4		
MOX	e P	Z	01:33:55.3	83.5	95.2	1.3	8	4.8		
GRA1	e P	Z	01:33:56.8	83.7	94.8	1.1	14	5.1		
	e pP	Z	01:34:05.4							

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CLZ	e P	Z	01:34:00.0	84.4	94.4	1.1	11	5.0
BFO	e P	Z	01:34:05.2	85.5	92.5	1.1	8	4.9
TNS	e P	Z	01:34:05.9	85.5	92.7	0.8	7	4.8
BUG	e P	Z	01:34:09.9	86.3	91.9			
WLF	e P	Z	01:34:13.3	87.0	90.9	1.4	13	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	01:24:56.0	12.630S	94.240E	36.0	5.1			SZGRF

South Indian Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 01:38:07.7	93.4	105.4	1.1	9	5.1		
BRG	e P	Z 01:38:09.2	93.8	105.4	0.9	6	5.0		
WET	e P	Z 01:38:09.9	94.0	104.7	1.1	10	5.1		
CLL	e P	Z 01:38:11.7	94.5	104.7	0.8	6	4.9		
GUNZ	e P	Z 01:38:13.8	94.6	104.2	0.9	4	4.8		
WERD	e P	Z 01:38:13.0	94.7	104.2	1.1	5	4.8		
FUR	e P	Z 01:38:12.8	94.8	103.6					
MOX	e P	Z 01:38:15.2	95.1	103.7	1.0	5	4.9		
GRA1	e P	Z 01:38:15.7	95.2	103.5	0.8	6	5.1		
	e pP	Z 01:38:26.1							
CLZ	e P	Z 01:38:19.4	96.2	102.6	1.0	9	5.3		
BFO	e P	Z 01:38:22.5	96.7	101.5	1.5	10	5.2		
BUG	e P	Z 01:38:27.8	98.0	100.3	1.2	20	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	07:02:51.5	22.085S	170.066E	10G	5.2	4.6		NEIR-M

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 07:22:36.7	148.1	39.3					
	e L	Z 08:28:15.6			21.7	190		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	08:46:42.2	20.893S	170.041E	10.0N				SZGRF

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 09:06:14.6	143.5	33.0					
BRG	e PKPbc	Z 09:06:17.3	144.7	40.9					
CLL	e PKPbc	Z 09:06:17.1	144.7	39.1					
CLZ	e PKPbc	Z 09:06:19.0	145.3	34.7					
WERD	e PKPbc	Z 09:06:20.9	145.6	38.8					

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GUNZ	e	PKPbc	Z	09:06:21.2	145.7	39.0
GEC2	e	PKPbc	Z	09:06:22.1	146.3	42.5
WET	e	PKPbc	Z	09:06:23.0	146.4	40.9
GRA1	e	PKPbc	Z	09:06:23.5	146.7	37.9
WLF	e	PKPbc	Z	09:06:29.3	148.5	29.8
BFO	e	PKPbc	Z	09:06:30.0	148.9	34.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	09:05:41.4	23.850S	166.990E	33.0N				SZGRF

New Caledonia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPab	Z	09:25:15.0	145.2	39.4			
BRG	e	PKPab	Z	09:25:17.2	145.9	47.7			
CLL	e	PKPab	Z	09:25:17.6	146.0	45.9			
CLZ	e	PKPab	Z	09:25:20.0	146.8	41.5			
WERD	e	PKPab	Z	09:25:21.3	147.0	45.8			
GUNZ	e	PKPab	Z	09:25:22.9	147.0	46.0			
MOX	e	PKPab	Z	09:25:21.9	147.1	44.6			
GEC2	e	PKPab	Z	09:25:22.6	147.4	49.7			
WET	e	PKPab	Z	09:25:24.0	147.6	48.1			
GRA1	e	PKPab	Z	09:25:25.8	148.0	45.1			
BFO	e	PKPab	Z	09:25:34.2	150.3	42.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	09:08:52.9	22.390S	170.390E	33.0N		6.2		SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e	PKPbc	Z	09:28:25.3	145.0	39.8			
BSEG	e	PKPbc	Z	09:28:25.5	145.0	33.4			
BRG	e	PKPbc	Z	09:28:29.1	146.1	41.5			
CLL	e	PKPpdf	Z	09:28:27.6	146.2	39.7			
	e	PKPbc	Z	09:28:32.1					
	e			09:28:41.6					
	e	PP	Z	09:31:51.3					
	e	PPP	Z	09:34:51.3					
	e	PSKS	N	09:42:05.3					
	e			09:45:58.1					
	e	SS	E	09:50:49.5					
	e	PSPS	E	09:51:45.7					
	e	SSS	N	09:56:36.3					
	e	LR	Z	10:18:32.2					
	e	L	Z	10:33:42.3					
CLZ	e	PKPbc	Z	09:28:31.2	146.8	35.2	22.0	4900	6.2

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WERD	e	PKPbc	Z	09:28:32.2	147.1	39.5						
GUNZ	e	PKPbc	Z	09:28:32.4	147.2	39.6						
IBBN	e	PKPbc	Z	09:28:32.1	147.2	30.7						
MOX	e	PKPbc	Z	09:28:32.1	147.3	38.2						
GEC2	e	PKPbc	Z	09:28:33.7	147.7	43.3						
WET	e	PKPbc	Z	09:28:34.4	147.9	41.7						
BUG	e	PKPbc	Z	09:28:35.5	148.1	30.6						
GRA1	e	PKPbc	Z	09:28:35.3	148.2	38.6						
	e	L	Z	10:39:06.3			20.9		3864		6.2	
TNS	e	PKPbc	Z	09:28:36.8	148.8	33.6						
STU	e	PKPbc	Z	09:28:40.1	149.7	36.2						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:56:26.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	11:50:53.9	22.100S	171.670E	33.0N		5.5		SZGRF
Southeast of Loyalty Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 12:10:26.9	145.2	31.3					
RUE	e PKPbc	Z 12:10:27.0	145.2	37.7					
BRG	e PKPbc	Z 12:10:30.9	146.4	39.4					
CLL	i PKPbc	- Z 12:10:30.8	146.4	37.6	1.0	143			
	e (PP)	Z 12:13:59.7							
	e SS	N 12:32:58.3							
	e SSS	Z 12:38:34.6							
	e LR	Z 13:00:30.4							
	e L	Z 13:17:57.0			20.0	1196		5.7	
CLZ	e PKPbc	Z 12:10:32.8	146.9	33.0					
IBBN	e PKPbc	Z 12:10:33.9	147.4	28.4					
WERD	e PKPbc	Z 12:10:33.8	147.4	37.3					
GUNZ	e PKPbc	Z 12:10:34.2	147.4	37.4					
MOX	e PKPbc	Z 12:10:34.0	147.5	36.0					
GEC2	e PKPbc	Z 12:10:35.6	148.0	41.1					
WET	e PKPbc	Z 12:10:35.9	148.2	39.5					
BUG	e PKPbc	Z 12:10:35.7	148.3	28.3					
GRA1	e PKPbc	Z 12:10:36.8	148.4	36.3					
	e L	Z 13:17:33.6			21.9	884		5.5	
TNS	e PKPbc	Z 12:10:38.4	148.9	31.2					
FUR	e PKPbc	Z 12:10:39.8	149.6	37.9					
STU	e PKPbc	Z 12:10:40.4	149.9	33.8					

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WLF	e	PKPbc	Z	12:10:41.7	150.2	27.8
BFO	e	PKPbc	Z	12:10:41.8	150.6	32.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	13:44:50.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	13:47:07.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/11	15:54:50.9	19.960S	174.260W	33.0N				SZGRF
Tonga Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	16:14:26.2	145.8	7.7			
IBBN	e	PKPbc	Z	16:14:32.3	147.6	3.5			
CLZ	e	PKPbc	Z	16:14:33.1	147.9	8.2			
CLL	i	PKPbc	- Z	16:14:33.2	148.1	13.0	0.8	27	
	i	PKPab	Z	16:14:35.5			0.8	23	
	e	pPKPbc	Z	16:15:08.6					
	e	sPKPbc	Z	16:15:25.2					
BRG	e	PKPbc	Z	16:14:34.2	148.4	14.8			
BUG	e	PKPbc	Z	16:14:34.3	148.5	2.8			
	e	PKPab	Z	16:14:38.0					
MOX	e	PKPbc	Z	16:14:35.6	149.0	10.8			
WERD	e	PKPbc	Z	16:14:35.9	149.1	12.1			
	e	PKPab	Z	16:14:39.8					
GUNZ	e	PKPbc	Z	16:14:36.2	149.2	12.1			
	e	PKPab	Z	16:14:40.3					
TNS	e	PKPbc	Z	16:14:37.7	149.7	5.0			
GRA1	e	PKPbc	Z	16:14:38.3	149.9	10.3			
	e	PKPab	Z	16:14:43.9					
WET	e	PKPbc	Z	16:14:38.8	150.3	13.6			
	e	PKPab	Z	16:14:45.0					
WLF	e	PKPbc	Z	16:14:39.5	150.3	0.8			
GEC2	e	PKPbc	Z	16:14:39.0	150.4	15.3			
	e	PKPab	Z	16:14:45.9					

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:33:15.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/12	09:14:53.4	61.370N	168.960E	33.0N	4.8			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 09:25:36.8	65.7	12.4	1.0	6	4.8		
BRG	e P	Z 09:25:39.1	66.0	12.8	1.1	5	4.7		
BUG	e P	Z 09:25:40.5	66.2	9.5	1.1	16	5.2		
MOX	e P	Z 09:25:42.7	66.5	11.6	1.2	8	4.8		
WERD	e P	Z 09:25:43.7	66.6	11.9	1.2	9	4.9		
GUNZ	e P	Z 09:25:44.1	66.7	11.9	1.1	6	4.7		
NOTT	e P	Z 09:25:47.4	67.3	11.8	1.2	4	4.5		
GRA1	e P	Z 09:25:49.2	67.5	11.3	0.5	7	5.1		
WET	e P	Z 09:25:50.7	67.8	12.1	1.1	7	4.8		
GEC2	e P	Z 09:25:51.5	68.0	12.5	1.2	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/13	02:01:46.2	22.550S	175.260E	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 02:21:28.1	148.1	32.2					
BRG	e PKPbc	Z 02:21:28.3	148.2	34.1					
FBE	e PKPbc	Z 02:21:28.9	148.3	33.1					
TANN	e PKPbc	Z 02:21:31.7	149.1	32.1					
WERD	e PKPbc	Z 02:21:31.1	149.1	31.8					
GUNZ	e PKPbc	Z 02:21:30.7	149.1	31.9					
NOTT	e PKPbc	Z 02:21:32.8	149.7	32.1					
GEC2	e PKPbc	Z 02:21:32.7	149.9	35.7					
WET	e PKPbc	Z 02:21:33.8	150.0	34.0					
GRA1	e PKPbc	Z 02:21:33.0	150.1	30.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 03:28:09.1							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/13	04:58:56.3	24.149N	102.896E	33.0N	4.8	4.5		SZGRF

Yunnan, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:10:22.3	72.9	72.6	0.9	8	4.8		
	e L	Z 05:43:36.8			21.6	255		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/13	06:26:0.4	51.638N	178.802E	33.0N	4.8			SZGRF

Rat Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:37:56.5	78.1	7.8	1.1	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/13	07:36:53.1	21.300N	147.460E	37.0		5.9		SZGRF

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e Pdiff	Z 07:50:16.3	96.0	42.6					
	e PP	Z 07:54:11.8							
BSEG	e Pdiff	Z 07:50:17.9	96.2	39.6					
	e PP	Z 07:54:14.7							
BRG	e Pdiff	Z 07:50:21.1	97.1	42.9					
	e PP	Z 07:54:18.9							
CLL	e P	Z 07:50:21.4	97.1	42.1					
	e pP	Z 07:50:36.2							
	e sP	Z 07:50:41.9							
	e PP	Z 07:54:19.5							
	e pPP	Z 07:54:34.2							
	e sPP	Z 07:54:42.1							
	e PPP	Z 07:56:27.4							
	e SKSac	E 08:01:04.3							
	e SP	Z 08:03:18.7							
	e PKKPbc	Z 08:06:56.6							
	e PKKPdf	Z 08:07:00.7							
	e SS	E 08:08:22.9							
	e SSS	N 08:12:15.5							
	e SSSS	N 08:15:49.7							
	e LR	Z 08:25:35.8							
	e L	Z 08:39:44.0			20.0	4213		5.9	
WERD	e Pdiff	Z 07:50:25.9	98.1	41.6					
	e PP	Z 07:54:27.1							
GUNZ	e Pdiff	Z 07:50:26.2	98.1	41.6					

MOX	e Pdiff	Z	07:50:26.5	98.2	41.0				
	e PP	Z	07:54:30.8						
IBBN	e Pdiff	Z	07:50:28.1	98.5	37.5				
NOTT	e Pdiff	Z	07:50:28.7	98.6	41.5				
	e PP	Z	07:54:31.6						
GEC2	e Pdiff	Z	07:50:28.0	98.7	42.9				
WET	e Pdiff	Z	07:50:29.2	98.8	42.2				
	e PP	Z	07:54:33.6						
GRA1	e Pdiff	Z	07:50:31.0	99.1	40.7				
	e PP	Z	07:54:34.7						
	e SKKSac	R	08:01:29.1						
	e SP	Z	08:03:23.1						
	e SS	R	08:09:04.1						
	e L	Z	08:39:47.1			21.1	4100		5.9
BUG	e Pdiff	Z	07:50:33.3	99.3	37.2				
	e PP	Z	07:54:37.9						
TNS	e Pdiff	Z	07:50:34.1	99.8	38.3				
	e PP	Z	07:54:42.0						
FUR	e Pdiff	Z	07:50:35.8	100.2	41.0				
STU	e Pdiff	Z	07:50:37.6	100.7	39.1				
WLF	e Pdiff	Z	07:50:40.8	101.2	36.4				
	e PP	Z	07:54:51.1						
BFO	e Pdiff	Z	07:50:40.7	101.4	38.5				
	e PP	Z	07:54:51.1						

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/13 18:27:23.5 1.046N 96.610E 25.2 4.9 4.6
 Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:40:03.1	86.2	92.8	1.0	10	4.9		
	e pP	Z	18:40:10.5							
	e L	Z	19:25:07.2			20.4	248		4.6	

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/13 23:23:43.0 77.430N 5.540E 33.0N 5.1 3.3
 Svalbard, Norway, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	23:28:52.6	23.6	357.4	1.0	60	5.1		
RUE	e P	Z	23:29:06.7	25.1	355.8	1.3	66	5.2		
BUG	e P	Z	23:29:13.7	26.0	359.1	1.5	53	4.9		
CLL	e P	Z	23:29:16.0	26.3	356.3	1.5	60	5.0		
BRG	e P	Z	23:29:20.8	26.7	355.9	1.1	40	5.1		
MOX	e P	Z	23:29:22.5	26.9	357.1	1.1	58	5.2		

WERD	e P	Z	23:29:24.5	27.1	356.8	1.3	54	5.1		
GUNZ	e P	Z	23:29:25.4	27.2	356.8	1.2	65	5.2		
TNS	e P	Z	23:29:25.7	27.2	358.6	1.5	33	4.8		
NOTT	e P	Z	23:29:30.2	27.7	356.9	1.2	34	5.0		
GRA1	e P	Z	23:29:31.2	27.8	357.4	1.2	36	5.1		
	e L	Z	23:40:44.7			20.5	88		3.3	
WET	e P	Z	23:29:36.8	28.4	356.7	1.4	42	5.1		
STU	e P	Z	23:29:38.8	28.7	358.3	1.1	45	5.2		
GEC2	e P	Z	23:29:39.9	28.8	356.3	1.2	48	5.2		
BFO	e P	Z	23:29:42.7	29.1	358.8	1.5	20	4.7		
FUR	e P	Z	23:29:44.8	29.4	357.5	1.7	74	5.2		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/14 02:39:37.0 19.700S 69.000W 84.0N
 Northern Chile

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z	02:53:06.6	98.8	249.9					
	e	Z	02:53:18.4							
	e PP	Z	02:57:06.3							
CLL	i	Z	02:53:25.7	100.3	251.5	0.9	22			
	e pPdiff	Z	02:53:44.4							
	e sPdiff	Z	02:53:54.8							
	e PP	Z	02:57:18.4							
	e sPP	Z	02:58:05.0							
	e SKSac	E	03:03:46.1							
	e SKKSac	E	03:04:15.3							
	e Sdiff	E	03:04:39.5							
	e SP	Z	03:06:11.8							
	e PPS	E	03:07:13.8							
	e SS	E	03:11:45.7							
	e SSS	E	03:15:31.7							
	e LR	Z	03:27:52.9							
	e L	Z	03:36:08.3			22.0	517		5.0	

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/14 02:52: 8.3 17.914N 98.024W 33.0N 5.4
 Guerrero, Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:04:56.3	88.2	296.0	1.6	30	5.4		
	e PP	Z	03:08:25.6							
CLL	i P	Z	03:04:57.9	88.7	297.3	1.2	14	5.0		
	e sP	Z	03:05:07.6							
	e PP	Z	03:08:30.9							

e PPP	Z	03:10:28.1										
e SKSac	E	03:15:30.8										
e S	N	03:15:55.8										
e PS	E	03:16:59.5										
e SS	E	03:22:02.7										
e L	Z	03:50:54.4			18.0		570		5.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/14	12:07:47.0	38.300S	93.600W	21.0N				NEIR-M

West Chile Rise

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 12:26:49.3	127.0	251.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 12:50:43.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 15:13:07.7							
CLL	e PKP	Z 15:13:07.2							
FBE	e PKP	Z 15:13:08.5							
GRA1	e PKP	Z 15:13:12.2							
NOTT	e PKP	Z 15:13:09.9							
TANN	e PKP	Z 15:13:09.4							
WERD	e PKP	Z 15:13:09.9							
WET	e PKP	Z 15:13:11.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/14	17:47:18.2	6.740N	74.560W	33.0N	4.8			SZGRF

Northern Colombia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 17:59:19.0	78.9	267.3	0.9	17	5.1		
IBBN	e P	Z 17:59:24.5	80.0	268.1					
BFO	e P	Z 17:59:25.4	80.2	269.2	2.5	31	4.8		

TNS	e P	Z	17:59:27.4	80.4	269.0	1.0	8	4.6
GRA1	e P	Z	17:59:36.5	82.1	271.2	0.9	5	4.7
WERD	e P	Z	17:59:39.6	82.8	271.9	1.1	6	4.7
GUNZ	e P	Z	17:59:39.8	82.8	271.9	1.2	4	4.6
CLL	e P	Z	17:59:41.5	83.2	272.3	1.0	5	4.7
WET	e P	Z	17:59:42.2	83.2	272.5	1.2	7	4.8
GEC2	e P	Z	17:59:45.0	83.8	273.1	0.9	5	4.8
BRG	e P	Z	17:59:45.3	83.8	273.1	1.1	7	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/14	20:18:7.9	12.872N	92.287E	33.0N	4.3			SZGRF
Andaman Islands, India, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:29:43.4	74.5	88.3	1.0	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	02:03:28.9	35.250N	26.250E	33.0N	3.9			SZGRF
Crete, Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 02:07:26.8	16.4	141.2	0.8	5	3.7		
FUR	e P	Z 02:07:33.1	17.0	133.9	1.2	14	4.0		
NOTT	e P	Z 02:07:40.8	17.8	139.4	0.6	3	3.5		
BRG	e P	Z 02:07:42.4	18.0	145.7	0.8	5	3.7		
GRA1	e P	Z 02:07:44.1	18.1	137.1	1.4	21	4.1		
WERD	e P	Z 02:07:46.8	18.2	141.1	0.6	5	3.8		
STU	e P	Z 02:07:49.5	18.4	130.8	0.8	9	3.9		
BFO	e P	Z 02:07:48.5	18.6	128.1	1.4	14	4.0		
CLL	e P	Z 02:07:51.3	18.7	144.2	0.6	6	4.0		
WLF	e P	Z 02:08:12.3	20.6	126.9	0.9	11	4.2		
BUG	e P	Z 02:08:17.7	21.1	132.6	1.3	15	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PP	Z 03:35:35.3							
	e PPP	Z 03:38:06.1							
	e SKSac	E 03:41:26.2							
	e Sdiff	N 03:43:21.5							
	e PS	E 03:45:21.4							
	e PPS	Z 03:46:21.9							

e SS	N	03:51:34.9							
e SSS	E	03:55:51.5							
e LR	Z	04:13:20.6							
e L	Z	04:30:34.9			20.0		1195		5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 06:02:40.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	07:53:53.0	0.590S	12.430W	25.1	5.3	4.7		SZGRF
North of Ascension Island								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 08:03:00.4	52.1	206.7	1.4	52	5.4		
	e pP	Z 08:03:07.3							
	e sP	Z 08:03:12.9							
	e PP	Z 08:04:56.5							
WLF	e P	Z 08:03:05.1	52.7	203.6	1.6	52	5.3		
	e PP	Z 08:05:05.0							
STU	e P	Z 08:03:05.0	52.8	207.6	0.5	18	5.4		
FUR	e P	Z 08:03:06.2	52.9	210.3	1.0	71	5.6		
	e pP	Z 08:03:13.2							
TNS	e P	Z 08:03:13.1	53.9	206.2	1.1	30	5.2		
	e pP	Z 08:03:19.8							
	e sP	Z 08:03:25.3							
	e PP	Z 08:05:12.7							
GRA1	e P	Z 08:03:15.6	54.2	209.6	1.5	47	5.3		
	e S	R 08:11:05.8							
	e SS	R 08:14:46.3							
	e L	Z 08:25:51.7			21.2	714		4.7	
WET	e P	Z 08:03:16.3	54.3	211.8	1.2	48	5.4		
	e sP	Z 08:03:28.9							
GEC2	e P	Z 08:03:16.8	54.3	212.8	1.2	87	5.6		
	e sP	Z 08:03:29.5							
	e PP	Z 08:05:19.0							
NOTT	e P	Z 08:03:18.4	54.6	210.6	1.8	63	5.3		
BUG	e P	Z 08:03:18.8	54.6	204.4	1.7	61	5.4		
GUNZ	e P	Z 08:03:22.4	55.2	210.7	1.1	32	5.2		
MOX	e P	Z 08:03:22.5	55.2	209.8	1.2	37	5.3		
	e pP	Z 08:03:29.4							
WERD	e P	Z 08:03:22.8	55.2	210.6	1.5	42	5.3		
IBBN	e P	Z 08:03:25.4	55.5	204.7	0.6	17	5.2		

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BRG	e P	Z	08:03:29.3	56.1	212.3	1.4	37	5.2		
	e PP	Z	08:05:35.8							
CLL	e P	Z	08:03:29.8	56.2	211.1	1.5	40	5.2		
	e pP	Z	08:03:36.5							
	e sP	Z	08:03:42.3							
	e PP	Z	08:05:43.3							
	e PPPP	Z	08:07:08.6							
	e S	N	08:11:28.7							
	e SS	N	08:15:26.7							
	e SSSS	N	08:18:13.0							
	e LR	Z	08:20:48.4							
	e L	Z	08:27:58.1			18.0	842		4.9	
RUE	e P	Z	08:03:38.5	57.4	211.6	0.6	30	5.5		
BSEG	e P	Z	08:03:40.1	57.7	207.2	1.0	29	5.3		
	e pP	Z	08:03:47.1							
	e sP	Z	08:03:52.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	08:02:48.2	1.855S	12.860W	33.6	4.7			SZGRF
North of Ascension Island								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:12:20.6	55.6	209.6	1.2	10	4.7		
	e pP	Z 08:12:29.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	11:48:48.1	56.908N	36.057W	33.0N	4.4			SZGRF
Reykjanes Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:54:41.2	28.5	302.9	1.1	7	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	17:18:31.4	1.409N	96.588E	33.0N	4.5			SZGRF
Off west coast of northern Sumatra, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:31:08.5	85.9	92.6	0.9	4	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	18:46:49.1	37.660N	70.680E	47.8	4.4			SZGRF

Afghanistan-Tajikistan border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:54:33.5	41.6	85.8	1.1	7	4.3		
RUE	e P	Z	18:54:33.4	41.6	87.5	0.6	12	4.8		
CLL	e P	Z	18:54:37.2	42.1	85.6	0.5	2	4.1		
WERD	e P	Z	18:54:41.6	42.7	84.2	1.5	6	4.1		
NOTT	e P	Z	18:54:43.9	42.8	83.3	1.2	8	4.3		
MOX	e P	Z	18:54:45.4	43.1	83.9	1.4	9	4.3		
GRA1	e P	Z	18:54:48.2	43.4	82.6	1.8	36	4.8		
	e pP	Z	18:55:01.1							
BSEG	e P	Z	18:54:49.6	43.6	86.4	0.9	16	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	18:56:19.8	33.651N	26.395E	10.0G	3.8			SZGRF

Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	19:00:27.7	17.9	143.5	0.8	3	3.5		
WET	e P	Z	19:00:34.2	18.5	142.1	1.0	3	3.4		
NOTT	e P	Z	19:00:42.8	19.3	141.6	0.8	2	3.3		
GRA1	e P	Z	19:00:47.4	19.6	139.4	1.0	9	4.0		
GUNZ	e P	Z	19:00:47.7	19.6	143.0	0.9	6	3.9		
WERD	e P	Z	19:00:47.7	19.7	143.1	1.0	5	3.7		
BFO	e P	Z	19:00:51.3	19.9	130.8	1.1	9	3.9		
CLL	e P	Z	19:00:52.8	20.2	146.0	0.7	4	3.7		
TNS	e P	Z	19:01:04.5	21.2	134.7	0.9	9	4.1		
WLF	e P	Z	19:01:12.1	21.9	129.4	0.9	13	4.4		
BSEG	e P	Z	19:01:26.7	23.2	144.3	1.0	10	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	20:56:49.1	59.966N	151.454W	33.0N	4.6			SZGRF

Kenai Peninsula, Alaska, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:07:54.5	69.4	350.8	0.8	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z	22:38:03.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/15	23:29:52.1	45.670N	143.650E	33.0N	4.8	3.9		SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	23:41:19.0	72.8	32.1	0.7	10	5.0		
CLL	e P	Z	23:41:26.9	74.1	33.5	0.8	16	5.1		
BRG	e P	Z	23:41:27.3	74.1	34.0	0.8	4	4.5		
WERD	e P	Z	23:41:32.6	75.1	32.9	0.7	3	4.4		
GUNZ	e P	Z	23:41:33.3	75.1	32.9	0.7	6	4.7		
MOX	e P	Z	23:41:33.0	75.1	32.5	0.6	5	4.7		
NOTT	e P	Z	23:41:36.3	75.7	32.7	0.9	6	4.7		
BUG	e P	Z	23:41:37.4	75.9	29.8	0.9	10	5.0		
WET	e P	Z	23:41:37.8	76.0	33.1	0.8	6	4.8		
GRA1	e P	Z	23:41:38.7	76.1	32.1	0.7	16	5.3		
	e L	Z	00:16:02.9	76.1	32.1	21.8	58		3.9	
TNS	e P	Z	23:41:41.6	76.6	30.4	0.7	4	4.7		
FUR	e P	Z	23:41:45.3	77.4	31.9	0.9	18	5.2		
STU	e P	Z	23:41:47.0	77.6	30.7	0.8	9	5.0		
BFO	e P	Z	23:41:49.8	78.2	30.1	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	02:46:26.4	38.560N	143.070E	33.0N	6.9	7.4		SZGRF

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	02:58:21.1	77.4	38.0	1.2	1213	6.9		
	e S	T	03:08:11.9							
RUE	e P	Z	02:58:28.4	78.9	38.1	2.2	4908	7.2		
	e PP	Z	03:01:27.8							
BSEG	e P	Z	02:58:29.2	79.0	35.8	1.1	993	6.8		
	e PP	Z	03:01:29.0							
	e S	T	03:08:27.8							
HLG	e P	Z	02:58:32.6	79.6	34.1	1.0	726	6.6		
BRG	e P	Z	02:58:34.8	80.1	38.0	1.0	607	6.6		
CLL	i P	+ Z	02:58:35.0	80.1	37.4	1.0	823	6.7		
	e pP	Z	02:58:45.8							
	e PP	Z	03:01:41.2							
	e sPP	Z	03:01:54.1							
	e PPP	Z	03:03:24.4							
	e S	E	03:08:33.2							
	e sS	E	03:09:02.4							
	e PS	N	03:09:33.7							
	e SS	E	03:14:02.5							
	e SSS	N	03:17:38.0							

	e LR	Z	03:25:14.6							
	e L	Z	03:37:25.3			18.0	226413		7.6	
WERD	e P	Z	02:58:40.3	81.1	36.8	2.2	2496	6.9		
GUNZ	e P	Z	02:58:40.7	81.1	36.8	1.2	539	6.5		
MOX	e P	Z	02:58:40.6	81.2	36.4	1.4	581	6.5		
	e PP	Z	03:01:47.3							
IBBN	e P	Z	02:58:40.7	81.2	33.8	1.5	1541	6.9		
NOTT	e P	Z	02:58:43.3	81.6	36.7	2.3	3930	7.1		
	e PP	Z	03:01:51.0							
WET	e P	Z	02:58:44.6	81.9	37.1	2.5	3897	7.1		
BUG	e P	Z	02:58:45.2	82.1	33.4	2.5	3338	7.1		
	e S	T	03:08:59.8							
GRA1	e P	Z	02:58:46.1	82.1	36.0	1.0	1097	7.0		
	e S	T	03:09:00.7							
	e L	Z	03:38:35.7			18.0	159782		7.4	
TNS	e P	Z	02:58:48.7	82.7	34.1	1.0	402	6.6		
FUR	e P	Z	02:58:52.2	83.3	35.9	0.9	1034	7.1		
STU	e P	Z	02:58:53.2	83.6	34.6	1.1	533	6.7		
	e S	T	03:09:15.3							
WLF	e P	Z	02:58:55.5	83.9	32.5	2.2	3488	7.2		
BFO	e P	Z	02:58:56.6	84.3	33.9	1.3	1235	7.0		
	e S	T	03:09:20.9							

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/16 04:35:29.5 23.560S 176.410W 33.0N
 South of Fiji Islands SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 04:55:14.8	149.2	12.1					
	e PKPab	Z 04:55:20.1							
CLZ	e PKPbc	Z 04:55:19.7	151.2	13.0					
	e PKPab	Z 04:55:28.0							
CLL	e PKPdf	Z 04:55:15.3	151.3	18.2					
	e PKPbc	Z 04:55:18.9							
	e PKPab	Z 04:55:27.6							
BRG	e PKPbc	Z 04:55:19.3	151.5	20.2					
	e PKPab	Z 04:55:28.3							
MOX	e PKPbc	Z 04:55:21.0	152.2	15.9					
	e PKPab	Z 04:55:32.0							
WERD	e PKPdf	Z 04:55:16.3	152.3	17.4					
	e PKPbc	Z 04:55:21.2							
GUNZ	e PKPbc	Z 04:55:21.5	152.3	17.5					
	e PKPab	Z 04:55:32.4							
NOTT	e PKPbc	Z 04:55:22.6	152.9	17.4					
	e PKPab	Z 04:55:34.4							
TNS	e PKPbc	Z 04:55:23.7	153.1	9.9					
GRA1	e PKPdf	Z 04:55:16.8	153.2	15.7					

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	e	PKPbc	Z	04:55:23.4					
WET	e	PKPbc	Z	04:55:23.5	153.4	19.3			
	e	PKPab	Z	04:55:36.5					
GEC2	e	PKPdf	Z	04:55:16.8	153.5	21.1			
	e	PKPbc	Z	04:55:23.4					
	e	PKPab	Z	04:55:36.3					
WLF	e	PKPbc	Z	04:55:26.7	153.8	5.3			
BFO	e	PKPbc	Z	04:55:27.5	154.9	10.3			
	e	PKPab	Z	04:55:43.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	05:24:32.7	49.190N	177.980E	33.0N	4.8			SZGRF
South of Aleutian Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 05:36:21.3	76.4	8.3	1.2	19	5.1		
IBBN	e P	Z 05:36:31.3	78.2	6.5	1.4	43	5.3		
CLZ	e P	Z 05:36:32.5	78.4	8.2	1.5	34	5.2		
CLL	e P	Z 05:36:33.7	78.7	9.9	0.7	3	4.4		
BRG	e P	Z 05:36:36.4	79.0	10.5	0.9	4	4.4		
MOX	e P	Z 05:36:38.0	79.5	9.0	0.8	3	4.3		
TANN	e P	Z 05:36:40.0	79.6	9.6	0.7	3	4.3		
TNS	e P	Z 05:36:42.5	80.2	6.9	1.3	11	4.7		
GRA1	e P	Z 05:36:44.2	80.5	8.7	0.9	10	4.8		
WET	e P	Z 05:36:46.1	80.8	9.8	1.0	4	4.4		
WLF	e P	Z 05:36:46.8	80.9	5.4	1.1	12	4.9		
GEC2	e P	Z 05:36:47.0	81.0	10.3	1.6	9	4.5		
STU	e P	Z 05:36:48.3	81.6	7.4	0.4	11	5.4		
FUR	e P	Z 05:36:49.9	82.0	8.7	0.4	18	5.5		
BFO	e P	Z 05:36:51.5	82.1	6.8	1.0	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 06:20:50.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	07:16:24.0	14.154N	92.017W	33.0N	5.0			SZGRF
Near coast of Chiapas, Mexico								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:29:08.9	87.5	289.1	0.9	7	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	09:42:24.1	21.240S	170.070E	33.0G				SZGRF
Southeast of Loyalty Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	10:01:56.0	145.0	41.1					
CLL	e PKPbc	Z	10:01:56.2	145.0	39.3					
CLZ	e PKPbc	Z	10:01:58.6	145.6	34.9					
TANN	e PKPbc	Z	10:01:59.5	145.9	39.3					
IBBN	e PKPbc	Z	10:01:59.9	146.1	30.5					
MOX	e PKPbc	Z	10:01:59.8	146.1	37.8					
NOTT	e PKPbc	Z	10:02:01.7	146.5	39.4					
GEC2	e PKPbc	Z	10:02:01.6	146.6	42.7					
WET	e PKPbc	Z	10:02:02.5	146.7	41.2					
BUG	e PKPbc	Z	10:02:02.5	147.0	30.4					
GRA1	e PKPbc	Z	10:02:03.4	147.0	38.1					
TNS	e PKPbc	Z	10:02:05.2	147.6	33.3					
FUR	e PKPbc	Z	10:02:07.2	148.2	39.7					
STU	e PKPbc	Z	10:02:08.1	148.5	35.8					
WLF	e PKPbc	Z	10:02:09.2	148.9	29.9					
BFO	e PKPbc	Z	10:02:09.6	149.2	34.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	13:53:47.1	48.236N	26.279W	33.0N	4.3	3.7		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:59:03.0	24.4	281.1	1.0	6	4.3		
	e L	Z	14:08:25.8			20.6	253		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/16	16:51:51.9	37.210N	70.480E	205.6	4.9	4.2		SZGRF
Afghanistan-Tajikistan border region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	16:59:21.8	41.7	86.5	0.7	17	4.9		
	e pP	Z	17:00:04.1							
	e PP	Z	17:01:04.0							
	e ScP	Z	17:04:40.5							
GEC2	e P	Z	16:59:24.3	42.1	84.0	1.1	9	4.4		
	e PP	Z	17:01:08.0							
	e ScP	Z	17:04:41.8							

CLL	i P	+ Z	16:59:26.0	42.3	86.3	1.9	98	5.2
	e pP	Z	17:00:09.0					
	e sP	Z	17:00:32.0					
	e PcP	Z	17:01:10.2					
	e PP	Z	17:01:11.8					
	e pPP	Z	17:01:44.3					
	e sPP	Z	17:02:09.9					
	i ScP	Z	17:04:42.7			1.8	33	
	e S	E	17:05:44.6					
	e sS	E	17:06:53.7					
	e SS	E	17:09:02.6					
	e SSS	N	17:10:33.1					
WET	e P	Z	16:59:28.4	42.6	83.8			
	e ScP	Z	17:04:43.6					
TANN	e P	Z	16:59:29.7	42.7	84.9	2.0	62	5.0
	e sP	Z	17:00:36.1					
	e PP	Z	17:01:12.6					
NOTT	e P	Z	16:59:32.3	43.0	84.0	1.1	15	4.6
	e pP	Z	17:00:16.4					
	e ScP	Z	17:04:45.6					
MOX	e P	Z	16:59:33.7	43.2	84.5	0.8	13	4.7
	e ScP	Z	17:04:46.4					
GRA1	e P	Z	16:59:37.2	43.6	83.3	0.8	30	5.1
	e pP	Z	17:00:21.6					
	e sP	Z	17:00:43.9					
	e PP	Z	17:01:23.5					
	e ScP	Z	17:04:48.7					
	e L	Z	17:10:08.0			18.1	250	4.2
FUR	e P	Z	16:59:37.7	43.7	81.7	0.8	27	5.0
BSEG	e P	Z	16:59:38.4	43.8	87.0	0.6	23	5.1
	e ScP	Z	17:04:48.5					
CLZ	e P	Z	16:59:39.1	43.9	84.9	0.9	17	4.8
	e PP	Z	17:01:25.8					
	e ScP	Z	17:04:49.4					
STU	e P	Z	16:59:47.6	45.0	81.0	0.8	25	5.2
	e ScP	Z	17:04:54.0					
TNS	e P	Z	16:59:49.9	45.3	81.9	0.9	10	4.7
	e PP	Z	17:01:39.2					
	e ScP	Z	17:04:55.3					
IBBN	e P	Z	16:59:51.3	45.4	83.5	0.8	43	5.5
	e pP	Z	17:00:35.3					
	e ScP	Z	17:04:56.3					
BFO	e P	Z	16:59:52.0	45.6	80.0	0.9	7	4.7
	e PP	Z	17:01:43.7					
	e ScP	Z	17:04:56.1					
BUG	e P	Z	16:59:54.1	45.8	82.3	1.2	28	5.2
	e pP	Z	17:00:39.9					
WLF	e P	Z	17:00:02.0	46.8	79.9	0.6	15	5.3
	e pP	Z	17:00:47.1					

e sP Z 17:01:09.1
e ScP Z 17:05:02.4

Date Origin Time Lat Long Depth mb Ms ML Source
2005/08/16 17:14:52.4 33.438S 7.131W 33.0N 4.7
South Atlantic Ocean

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 17:27:23.5 84.7 195.3 0.9 4 4.7

Date Origin Time Lat Long Depth mb Ms ML Source
2005/08/16 19:15:41.4 33.244N 140.755E 60.4 4.8 4.2
Southeast of Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 19:28:14.1 85.8 40.3 0.9 7 4.8
e pP Z 19:28:31.1
e PP Z 19:31:38.3
e L Z 20:14:00.4 21.5 95 4.2

Date Origin Time Lat Long Depth mb Ms ML Source
2005/08/17 02:54:13.2 43.651N 12.797E 10.0G 3.1
Central Italy

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
OBKA e Pn Z 02:55:00.9 3.1 204.0 2.8
KBA e Pn Z 02:55:07.0 3.4 186.6 2.7
e Sn E 02:55:43.0
WTTA e Pn Z 02:55:11.2 3.7 166.9 2.9
ARSA e Pn Z 02:55:13.8 4.1 209.0 2.8
DAVA e Pn Z 02:55:17.7 4.2 149.6 3.3
MOA e Pn Z 02:55:18.7 4.3 194.2
GEC2 e Pn Z 02:55:30.0 5.2 187.2 3.3
e Sn E 02:56:28.4
WET e Pn Z 02:55:33.3 5.5 180.6 3.1
e Sn E 02:56:32.2
BFO e Pn Z 02:55:35.0 5.6 144.8 3.4
e Sn E 02:56:35.7
TANN e Pn Z 02:55:50.9 6.8 177.9
MOX e Pn Z 02:55:53.7 7.0 173.0 3.4
e Sn N 02:57:09.8
TNS e Pn Z 02:55:56.1 7.2 154.1
BRG e Sn N 02:57:15.6 7.3 186.6 3.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17	05:00:43.1	44.515N	10.378E	10.0G			3.4	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	05:01:44.5	4.1	158.9					3.5
	e Sn	E	05:02:28.8							
GEC2	e Pn	Z	05:01:55.4	4.9	209.0					3.2
	e Sn	N	05:02:48.1							
WET	e Pn	Z	05:01:56.0	4.9	201.2					3.3
	e Sn	E	05:02:49.8							
TNS	e Pn	Z	05:02:08.9	5.9	166.4					3.4
	e Sn	E	05:03:10.8							
MOX	e Sn	E	05:03:20.3	6.2	188.2					3.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17	05:29:13.2	50.209N	174.566W	44.3	4.4			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:41:17.9	80.0	3.8	0.8	4	4.4		
	e pP	Z	05:41:30.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	06:34:11.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17	07:43:49.9	2.705N	98.367E	33.0N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRC3	e P	Z	07:56:26.9	85.8	90.6					
GRA1	e P	Z	07:56:27.8	86.1	90.4	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2005/08/17 09:40:23.2 30.231S 177.884W 18 5.0 NEIR-M
 Kermadec Islands, New Zealand

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 10:00:49.6							
BSEG	e PKP	Z 10:00:41.0							
BUG	e PKP	Z 10:00:54.4							
CLL	e PKP	Z 10:00:48.7	157.4	25.2					
CLZ	e PKP	Z 10:00:49.7							
FUR	e PKP	Z 10:01:04.0							
GEC2	e PKP	Z 10:00:57.9							
GRA1	e PKP	Z 10:00:58.1	159.4	22.9					
	e L	Z 11:13:29.7			21.0	135			
GUNZ	e PKP	Z 10:00:53.2							
IBBN	e PKP	Z 10:00:49.6							
MOX	e PKP	Z 10:00:53.1							
NOTT	e PKP	Z 10:00:56.1							
STU	e PKP	Z 10:01:03.2							
TNS	e PKP	Z 10:00:57.8							
WET	e PKP	Z 10:00:58.2							
WLF	e PKP	Z 10:01:02.0							

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/17

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:54:09.7							

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/17 13:36:23.9 42.770N 141.060E 33.0N 4.9 4.7
 Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:48:02.0	74.5	35.2	0.9	15	5.1		
BRG	e P	Z 13:48:08.4	75.7	37.2	0.9	5	4.7		
CLL	e P	Z 13:48:08.1	75.7	36.6	0.8	13	5.1		
CLZ	e P	Z 13:48:11.3	76.2	35.0	1.0	12	5.0		
TANN	e P	Z 13:48:13.5	76.6	36.1					
IBBN	e P	Z 13:48:13.8	76.7	33.3	0.7	16	5.3		
MOX	e P	Z 13:48:13.9	76.7	35.6	1.1	6	4.7		
NOTT	e P	Z 13:48:16.8	77.2	35.8	0.9	8	4.7		
GEC2	e P	Z 13:48:17.6	77.4	36.7	1.1	5	4.4		
WET	e P	Z 13:48:18.4	77.5	36.2	1.0	8	4.7		
BUG	e P	Z 13:48:19.1	77.6	32.9	0.6	12	5.1		
GRA1	e P	Z 13:48:19.8	77.7	35.2	0.8	17	5.1		

	e L	Z	14:27:04.7				19.0	323	4.7
FUR	e P	Z	13:48:26.5	78.9	35.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17	17:23:43.7	33.608N	26.966E	10.0G	4.0			SZGRF

Eastern Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 17:27:55.0	18.2	142.2	0.8	7	3.8		
FUR	e P	Z 17:28:00.6	18.7	135.4	0.6	20	4.5		
WET	e P	Z 17:28:00.2	18.7	140.8	0.8	2	3.4		
BRG	e P	Z 17:28:12.7	19.7	146.2	0.7	6	3.9		
GRA1	e P	Z 17:28:14.0	19.8	138.3	1.1	13	4.1		
WERD	e P	Z 17:28:15.0	20.0	141.9	0.7	6	3.9		
BFO	e P	Z 17:28:17.9	20.3	129.8	1.1	10	3.9		
CLL	e P	Z 17:28:19.6	20.4	144.8	0.6	10	4.2		
MOX	e P	Z 17:28:20.1	20.4	140.8	0.7	3	3.6		
TNS	e P	Z 17:28:32.0	21.5	133.7	0.7	10	4.2		
CLZ	e P	Z 17:28:34.5	21.8	140.2	0.8	4	3.9		
WLF	e P	Z 17:28:39.7	22.2	128.5	0.8	13	4.4		
BUG	e P	Z 17:28:46.6	22.8	133.7	0.6	10	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/17	20:54:25.8	22.970S	168.640E	33.0N				SZGRF

New Caledonia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 21:13:58.6	145.0	36.4					
BRG	e PKPbc	Z 21:14:01.0	145.9	44.6					
CLL	e PKPbc	Z 21:14:01.1	146.0	42.8					
CLZ	e PKPbc	Z 21:14:03.6	146.6	38.3					
WERD	e PKPbc	Z 21:14:04.4	146.9	42.6					
GUNZ	e PKPbc	Z 21:14:04.8	147.0	42.7					
MOX	e PKPbc	Z 21:14:04.7	147.1	41.4					
GEC2	e PKPbc	Z 21:14:06.2	147.4	46.4					
NOTT	e PKPbc	Z 21:14:06.1	147.5	43.0					
WET	e PKPbc	Z 21:14:06.6	147.6	44.9					
GRA1	e PKPbc	Z 21:14:07.5	147.9	41.8					
TNS	e PKPbc	Z 21:14:09.7	148.7	36.9					
WLF	e PKPbc	Z 21:14:13.0	150.0	33.6					
BFO	e PKPbc	Z 21:14:13.3	150.2	38.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2005/08/18 01:03: 9.7 36.987N 16.186W 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 01:08:16.5	23.4	247.6	1.2	6	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/18	09:58:39.9	34.400N	26.600E	33.0N	4.0			GSRC-M

Crete, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 10:02:42.5	17.3	141.8	0.7	6	3.8		
BRG	e P	Z 10:02:59.4	18.9	146.0	0.7	5	3.8		
TANN	e P	Z 10:03:04.0	19.0	141.9	0.8	7	3.9		
BFO	e P	Z 10:03:05.6	19.4	129.0	0.8	6	3.9		
CLL	e P	Z 10:03:05.2	19.6	144.6	0.6	8	4.1		
TNS	e P	Z 10:03:19.9	20.6	133.2	0.7	10	4.3		
WLF	e P	Z 10:03:27.4	21.4	127.8	0.9	14	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/19								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKP	Z 00:24:29.6							
FUR	e PKP	Z 00:24:30.4							
GEC2	e PKP	Z 00:24:26.3							
GRA1	e PKP	Z 00:24:25.0							
MOX	e PKP	Z 00:24:21.6							
NOTT	e PKP	Z 00:24:24.5							
STU	e PKP	Z 00:24:28.2							
TANN	e PKP	Z 00:24:21.3							
TNS	e PKP	Z 00:24:23.3							
WLF	e PKP	Z 00:24:26.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/19	07:13:23.4	22.380N	93.950E	33.0N	4.8			SZGRF

Myanmar-India border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 07:24:11.9	66.6	82.8	0.6	7	5.1		
GEC2	e P	Z 07:24:14.5	67.1	81.7	0.7	6	4.9		
WET	e P	Z 07:24:17.7	67.6	81.3	1.3	5	4.6		
TANN	e P	Z 07:24:18.1	67.6	81.5	0.8	4	4.7		

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NOTT	e P	Z	07:24:20.4	67.9	81.0	0.6	4	4.8
MOX	e P	Z	07:24:21.3	68.1	80.9	0.5	2	4.7
BSEG	e P	Z	07:24:23.1	68.4	81.3	0.8	9	5.0
CLZ	e P	Z	07:24:24.8	68.7	80.5	0.9	6	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/19	09:02:12.9	28.200N	52.480E	33.0N	4.4			SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 09:09:13.1	36.1	110.5	1.4	7	4.3		
WET	e P	Z 09:09:17.1	36.7	110.0	0.9	3	4.0		
BRG	e P	Z 09:09:17.9	36.7	113.3	0.7	4	4.3		
NOTT	e P	Z 09:09:23.9	37.4	110.0					
CLL	e P	Z 09:09:23.5	37.4	112.8	0.9	9	4.5		
GRA1	e P	Z 09:09:28.2	37.9	108.9	1.0	12	4.6		
MOX	e P	Z 09:09:28.1	38.0	110.5	1.0	6	4.3		
CLZ	e P	Z 09:09:38.5	39.1	110.6	1.2	35	4.9		
TNS	e P	Z 09:09:42.6	39.8	106.8	1.3	8	4.2		
BSEG	e P	Z 09:09:44.7	40.0	112.9	1.1	13	4.5		
BUG	e P	Z 09:09:53.3	40.8	107.0	0.7	10	4.6		
WLF	e P	Z 09:09:54.1	41.1	103.9	0.8	9	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/19	13:04:16.4	29.436S	57.226E	33.0N	5.6	4.3		SZGRF

South Indian Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 13:16:59.8	87.4	143.1	1.8	28	5.4		
FUR	e P	Z 13:17:03.1	87.8	141.2	1.8	232	6.3		
WET	e P	Z 13:17:02.5	88.0	142.5	2.1	45	5.5		
NOTT	e P	Z 13:17:06.9	88.8	141.9	1.8	27	5.3		
BRG	e P	Z 13:17:07.6	88.9	143.3	1.6	37	5.5		
GRFO	e P	Z 13:17:08.5	89.1	141.2					
GRA1	e P	Z 13:17:08.5	89.1	141.2	1.9	128	6.0		
	e L	Z 14:07:10.5			21.7	120		4.3	
TANN	e P	Z 13:17:09.0	89.1	142.2	2.0	52	5.6		
GUNZ	e P	Z 13:17:08.9	89.1	142.1					
STU	e P	Z 13:17:09.0	89.2	139.6	3.2	200	6.0		
WERD	e P	Z 13:17:09.4	89.2	142.0					
BFO	e P	Z 13:17:09.2	89.2	139.0	1.5	30	5.5		
CLL	e P	Z 13:17:11.2	89.6	142.6	1.8	22	5.3		
MOX	e P	Z 13:17:11.3	89.6	141.5	1.9	26	5.3		
TNS	e P	Z 13:17:15.4	90.6	139.1	1.7	23	5.4		
CLZ	e P	Z 13:17:17.3	91.1	140.5	1.2	6	5.1		

WLF e P Z 13:17:18.0 91.2 137.3 1.3 22 5.6

Date Origin Time Lat Long Depth mb Ms ML Source
2005/08/19 15:48:13.6 1.320N 128.060E 33.0N 5.0
Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PP	Z 16:06:30.8	103.9	70.0					
	e SP	Z 16:15:35.8							
CLL	e PP	Z 16:06:33.5	104.3	69.2					
	e SP	Z 16:15:40.6							
GEC2	e PP	Z 16:06:36.2	104.7	70.3					
	e SP	Z 16:15:46.2							
TANN	e PP	Z 16:06:37.1	104.9	68.9					
	e SP	Z 16:15:47.8							
WET	e PP	Z 16:06:38.8	105.1	69.6					
	e SP	Z 16:15:51.7							
MOX	e PP	Z 16:06:41.5	105.3	68.2					
	e SP	Z 16:15:52.8							
NOTT	e PP	Z 16:06:42.0	105.3	68.8					
	e SP	Z 16:15:53.5							
CLZ	e PP	Z 16:06:44.1	105.6	66.8					
	e SP	Z 16:15:55.8							
GRA1	e PP	Z 16:06:49.7	105.9	68.1					
	e SP	Z 16:16:00.6							
	e L	Z 16:53:29.8			19.1	371		5.0	
FUR	e PP	Z 16:06:49.0	106.5	68.5					
	e SP	Z 16:16:08.4							
IBBN	e PP	Z 16:06:49.3	106.9	64.4					
	e SP	Z 16:16:10.4							
TNS	e PP	Z 16:06:57.5	107.4	65.6					
	e SP	Z 16:16:16.2							
STU	e PP	Z 16:06:58.1	107.5	66.6					
	e SP	Z 16:16:18.3							
BUG	e PP	Z 16:06:57.6	107.5	64.2					
	e SP	Z 16:16:17.3							
BFO	e PP	Z 16:07:02.4	108.2	66.0					
	e SP	Z 16:16:26.9							
WLF	e PP	Z 16:07:12.9	108.9	63.8					
	e SP	Z 16:16:35.5							

Date Origin Time Lat Long Depth mb Ms ML Source
2005/08/19 18:32:30.8 4.248N 97.558E 33.0N 4.7
Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:45:00.2	84.4	90.0	0.9	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/20	01:46:0.6	21.980S	169.780E	97.8				SZGRF

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	02:05:04.3	144.5	34.0					
BRG	e PKPbc	Z	02:05:07.0	145.5	42.1					
CLL	e PKPbc	Z	02:05:07.0	145.6	40.3					
CLZ	e PKPbc	Z	02:05:09.2	146.2	35.9					
TANN	e PKPbc	Z	02:05:10.3	146.5	40.4					
MOX	e PKPbc	Z	02:05:10.7	146.6	38.8					
IBBN	e PKPbc	Z	02:05:10.3	146.7	31.4					
NOTT	e PKPbc	Z	02:05:12.1	147.1	40.4					
GEC2	e PKPbc	Z	02:05:12.2	147.1	43.8					
WET	e PKPbc	Z	02:05:12.7	147.3	42.3					
GRA1	e PKPbc	Z	02:05:13.5	147.5	39.2					
	e pPKPbc	Z	02:05:40.2							
BUG	e PKPbc	Z	02:05:12.8	147.6	31.3					
TNS	e PKPbc	Z	02:05:15.1	148.2	34.3					
FUR	e PKPbc	Z	02:05:15.5	148.7	40.8					
STU	e PKPbc	Z	02:05:17.5	149.1	36.9					
WLF	e PKPbc	Z	02:05:18.9	149.4	30.9					
BFO	e PKPbc	Z	02:05:18.8	149.8	35.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/20	10:42:12.2	28.692N	130.624E	33.0N	4.8			SZGRF

Ryukyu Islands, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:54:44.6	85.0	50.1	0.9	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/20	10:51:33.2	70.331N	10.698E	33.0N	4.6	3.3		SZGRF

Norwegian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	10:55:41.2	17.9	356.6	1.1	35	4.4		
CLZ	e P	Z	10:55:46.7	18.5	0.3	1.2	29	4.4		
CLL	e P	Z	10:55:54.3	19.1	357.6	1.1	28	4.4		
BRG	e P	Z	10:55:59.8	19.5	356.7	1.2	29	4.4		

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MOX	e P	Z	10:55:59.9	19.7	359.1	1.5	34	4.4	
WERD	e P	Z	10:56:02.1	19.9	358.4	1.2	29	4.4	
GUNZ	e P	Z	10:56:03.0	20.0	358.4	1.1	20	4.2	
TNS	e P	Z	10:56:04.8	20.1	2.2	1.2	35	4.4	
NOTT	e P	Z	10:56:09.3	20.5	358.6	1.5	56	4.7	
GRA1	e P	Z	10:56:10.4	20.6	359.5	1.0	44	4.7	
	e L	Z	11:03:03.4			20.7	151		3.3
WLF	e P	Z	10:56:11.1	20.8	4.3	1.5	48	4.6	
WET	e P	Z	10:56:17.2	21.2	358.0	1.4	77	4.8	
GEC2	e P	Z	10:56:20.9	21.5	357.2	1.8	114	5.0	
STU	e P	Z	10:56:21.0	21.6	1.4	2.3	121	4.9	
BFO	e P	Z	10:56:25.2	22.0	2.1	1.3	35	4.6	
FUR	e P	Z	10:56:27.0	22.2	359.5	1.1	89	5.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/20 12:50:47.3 30.910N 88.330E 33.0N 5.2 SZGRF
 Xizang

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	13:00:31.2	57.0	80.0	0.8	22	5.2		
CLL	e P	Z	13:00:34.4	57.5	79.7	1.2	18	5.0		
GEC2	e P	Z	13:00:35.1	57.6	78.6	1.2	42	5.4		
WET	e P	Z	13:00:38.4	58.0	78.2	0.9	18	5.1		
TANN	e P	Z	13:00:38.3	58.0	78.7	1.3	23	5.1		
NOTT	e P	Z	13:00:41.1	58.4	78.1	0.9	29	5.3		
MOX	e P	Z	13:00:41.7	58.5	78.3	1.4	29	5.1		
BSEG	e P	Z	13:00:42.9	58.7	79.3	1.0	42	5.4		
GRA1	e P	Z	13:00:45.4	59.0	77.4	1.3	52	5.4		
CLZ	e P	Z	13:00:45.3	59.0	78.1	1.0	50	5.5		
FUR	e P	Z	13:00:47.1	59.3	76.6	1.0	62	5.6		
STU	e P	Z	13:00:55.1	60.5	75.6	1.0	38	5.2		
IBBN	e P	Z	13:00:55.5	60.5	76.5	0.8	20	5.0		
TNS	e P	Z	13:00:55.9	60.6	75.9	0.8	22	5.0		
BUG	e P	Z	13:00:58.8	61.0	75.7	0.9	20	4.9		
BFO	e P	Z	13:00:59.2	61.1	74.8	1.3	9	4.4		
WLF	e P	Z	13:01:07.1	62.2	74.0	0.9	30	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/20 14:06:47.6 28.821N 91.822E 33.0N 4.6 SZGRF
 Xizang

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:17:08.9	62.6	76.8	1.2	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 20:13:32.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21	02:29:32.1	38.020N	139.420E	15.1	5.3			SZGRF
Near west coast of eastern Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 02:41:32.2	78.1	38.7	1.1	32	5.4		
BRG	e P	Z 02:41:37.1	79.1	40.8	0.9	16	5.1		
CLL	e P	Z 02:41:37.0	79.1	40.2	0.9	29	5.3		
CLZ	e P	Z 02:41:41.1	79.8	38.4	1.1	36	5.2		
WERD	e P	Z 02:41:42.6	80.1	39.6	1.1	16	4.8		
GUNZ	e P	Z 02:41:43.0	80.1	39.6	1.0	19	5.0		
MOX	e P	Z 02:41:43.2	80.2	39.2	1.1	16	4.9		
IBBN	e P	Z 02:41:44.0	80.4	36.7	1.0	39	5.4		
GEC2	e P	Z 02:41:45.7	80.7	40.4	1.2	15	4.9		
WET	e P	Z 02:41:46.8	80.8	39.9	1.3	23	5.0		
GRA1	e P	Z 02:41:48.5	81.1	38.8	1.1	61	5.5		
	e pP	Z 02:41:52.9							
BUG	e P	Z 02:41:48.4	81.3	36.2					
TNS	e P	Z 02:41:51.6	81.8	36.9	1.1	21	5.2		
FUR	e P	Z 02:41:54.3	82.3	38.7	1.0	57	5.7		
STU	e P	Z 02:41:56.0	82.7	37.3	1.0	42	5.6		
WLF	e P	Z 02:41:58.8	83.1	35.3	1.4	38	5.4		
BFO	e P	Z 02:41:59.5	83.3	36.7	1.1	46	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21	03:55:48.5	17.330S	177.900W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 04:15:20.6	144.9	18.3					
MOX	e PKPbc	Z 04:15:23.9	145.8	16.3					
WERD	e PKPbc	Z 04:15:23.9	145.9	17.6					
GUNZ	e PKPbc	Z 04:15:24.4	146.0	17.6					
TNS	e PKPbc	Z 04:15:26.9	146.7	11.1					
GRA1	e PKPbc	Z 04:15:27.5	146.8	16.0					
GEC2	e PKPbc	Z 04:15:28.2	147.1	20.7					
FUR	e PKPbc	Z 04:15:31.6	148.3	16.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 08:38:55.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21	12:21:31.9	29.941N	51.335E	33.0N	4.2			SZGRF
Southern Iran								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:28:29.9	36.0	108.1	1.2	5	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21	12:31:42.4	24.451S	178.319W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 12:51:33.6	151.8	22.2					
CLZ	e PKPbc	Z 12:51:34.1	151.8	16.9					
BRG	e PKPbc	Z 12:51:34.4	151.9	24.3					
MOX	e PKPbc	Z 12:51:35.7	152.7	20.0					
WERD	e PKPbc	Z 12:51:36.0	152.7	21.5					
GUNZ	e PKPbc	Z 12:51:36.2	152.8	21.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/21	22:31:36.5	56.754N	113.916E	22.7	4.5			SZGRF
East of Lake Baykal, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:41:11.9	56.0	40.2	1.0	5	4.5		
	e pP	Z 22:41:18.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/22	08:31:23.2	49.910N	88.320E	33.0N	4.9			SZGRF
Tuva-Buryatia-Mongolia border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 08:39:39.7	45.3	60.7	0.8	3	4.4		

CLL	e P	Z	08:39:42.0	45.6	60.6	0.5	19	5.4
BSEG	e P	Z	08:39:43.9	45.8	61.5	0.6	12	5.1
TANN	e P	Z	08:39:48.1	46.4	59.6	0.8	4	4.7
GEC2	e P	Z	08:39:49.0	46.5	58.9	1.0	5	4.6
NRDL	e P	Z	08:39:49.5	46.6	60.2	1.1	13	5.0
MOX	e P	Z	08:39:50.9	46.7	59.4	1.0	8	4.8
CLZ	e P	Z	08:39:51.4	46.8	59.8	0.6	6	4.9
WET	e P	Z	08:39:51.6	46.8	58.8	0.7	4	4.6
GRA1	e P	Z	08:39:56.1	47.4	58.5	0.6	24	5.5
BUG	e P	Z	08:40:05.6	48.6	57.9	1.0	12	4.9
TNS	e P	Z	08:40:06.1	48.7	57.6	0.8	7	4.8
STU	e P	Z	08:40:08.9	49.0	56.9	0.7	17	5.2
BFO	e P	Z	08:40:14.0	49.8	56.2	1.2	6	4.4

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/22 12:02:20.3 42.198N 12.603E 10.0G 3.4 4.3 SZGRF
 Central Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e P	Z	12:03:29.2	4.5	198.6					4.5
KBA	e P	Z	12:03:34.1	4.9	186.4					4.1
WTTA	e P	Z	12:03:38.1	5.1	171.9					
DAVA	e P	Z	12:03:42.3	5.4	158.2					
ARSA	e P	Z	12:03:41.2	5.5	203.4					
MOA	e P	Z	12:03:45.6	5.8	192.3					
GEC2	e P	Z	12:03:59.1	6.7	187.0					
BFO	e P	Z	12:03:59.0	6.8	152.3					
WET	e P	Z	12:04:01.3	6.9	181.7					
GRA1	e P	Z	12:04:08.7	7.6	172.2					
	e L	Z	12:07:49.4			19.1	932		3.4	
GUNZ	e P	Z	12:04:18.4	8.2	178.6					
WERD	e P	Z	12:04:19.4	8.3	178.5					
MOX	e P	Z	12:04:21.6	8.5	175.0					
TNS	e P	Z	12:04:24.1	8.5	158.8					
CLL	e P	Z	12:04:30.8	9.1	181.9					

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/22 16:48:20.0 16.203S 176.019W 33.0N 5.2 SZGRF
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	17:07:49.5	144.0	10.5					
CLL	e PKPbc	Z	17:07:49.4	144.2	14.9					
BRG	e PKPbc	Z	17:07:51.7	144.4	16.6					
WERD	e PKPbc	Z	17:07:52.5	145.1	14.1					

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GUNZ	e	PKPbc	Z	17:07:52.8	145.2	14.1						
TNS	e	PKPbc	Z	17:07:54.8	145.8	7.6						
GRA1	e	PKPbc	Z	17:07:55.8	146.0	12.5						
	e	L	Z	18:15:14.4			20.6		389		5.2	
WET	e	PKPbc	Z	17:07:56.5	146.3	15.5						
GEC2	e	PKPbc	Z	17:07:56.5	146.4	17.0						
WLF	e	PKPbc	Z	17:07:57.5	146.5	3.8						
STU	e	PKPbc	Z	17:07:59.3	147.2	9.3						
FUR	e	PKPbc	Z	17:08:00.5	147.5	13.1						
BFO	e	PKPbc	Z	17:08:00.2	147.7	7.8						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/22								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z	17:16:07.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/22	18:51:4.9	6.024N	35.992W	33.0N	4.6			SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	19:01:00.8	58.9	238.5	1.0	6	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/22	20:20:34.5	45.500N	148.500E	33.0N	4.8			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e	P	Z	20:32:20.5	75.9	30.4	0.7	9	5.0
BRG	e	P	Z	20:32:21.0	75.9	31.0	0.6	2	4.4
CLZ	e	P	Z	20:32:22.8	76.2	28.8	1.1	8	4.8
MOX	e	P	Z	20:32:26.7	76.9	29.5	0.7	3	4.5
GEC2	e	P	Z	20:32:31.3	77.8	30.6	0.7	5	4.7
WET	e	P	Z	20:32:31.2	77.8	30.1	1.1	10	4.9
GRA1	e	P	Z	20:32:32.0	77.8	29.1	0.8	14	5.1
TNS	e	P	Z	20:32:34.0	78.2	27.4	0.9	7	4.7
FUR	e	P	Z	20:32:39.5	79.2	29.0	0.8	13	5.0
BFO	e	P	Z	20:32:42.8	79.9	27.1	1.1	8	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2005/08/23 06:33:46.2

20.280S

169.750E 270.0N

SZGRF

Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	06:52:46.7	144.0	40.8					
CLL	e PKPbc	Z	06:52:47.0	144.0	39.1					
CLZ	e PKPbc	Z	06:52:49.3	144.6	34.8					
TANN	e PKPbc	Z	06:52:50.0	144.9	39.1					
WERD	e PKPbc	Z	06:52:50.4	145.0	38.8					
GUNZ	e PKPbc	Z	06:52:50.8	145.0	38.9					
IBBN	e PKPbc	Z	06:52:50.5	145.1	30.4					
MOX	e PKPbc	Z	06:52:50.6	145.1	37.6					
GEC2	e PKPbc	Z	06:52:52.4	145.6	42.4					
WET	e PKPbc	Z	06:52:52.7	145.7	40.9					
GRA1	e PKPbc	Z	06:52:53.5	146.0	37.9					
TNS	e PKPbc	Z	06:52:54.9	146.6	33.1					
FUR	e PKPbc	Z	06:52:57.3	147.2	39.4					
STU	e PKPbc	Z	06:52:58.2	147.5	35.6					
WLF	e PKPbc	Z	06:52:59.3	147.8	29.8					
BFO	e PKPbc	Z	06:52:59.6	148.2	34.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/23	18:55:16.5	3.828N	97.857E	28.1	4.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:07:48.5	84.9	90.1	0.9	4	4.6		
	e pP	Z	19:07:56.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	01:30:59.3	22.310S	170.580E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	01:50:32.0	145.0	39.4					
BSEG	e PKPbc	Z	01:50:31.8	145.0	33.0					
BRG	e PKPbc	Z	01:50:35.5	146.1	41.2					
CLL	e PKPbc	Z	01:50:35.7	146.2	39.4					
CLZ	e PKPbc	Z	01:50:37.5	146.8	34.8					
WERD	e PKPbc	Z	01:50:38.3	147.1	39.1					
GUNZ	e PKPbc	Z	01:50:38.9	147.2	39.3					
MOX	e PKPbc	Z	01:50:38.8	147.3	37.9					
GEC2	e PKPbc	Z	01:50:40.3	147.8	42.9					
WET	e PKPbc	Z	01:50:41.4	147.9	41.3					
BUG	e PKPbc	Z	01:50:42.2	148.1	30.2					

GRA1	e	PKPbc	Z	01:50:41.9	148.2	38.2
TNS	e	PKPbc	Z	01:50:43.2	148.8	33.2
FUR	e	PKPbc	Z	01:50:44.6	149.3	39.9
BFO	e	PKPbc	Z	01:50:47.2	150.4	34.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	02:30:7.2	22.330S	170.370E	33.0N				SZGRF

Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	02:49:39.1	145.0	33.4			
BRG	e	PKPbc	Z	02:49:43.2	146.1	41.5			
CLL	e	PKPbc	Z	02:49:41.4	146.1	39.7			
CLZ	e	PKPbc	Z	02:49:44.9	146.7	35.2			
TANN	e	PKPbc	Z	02:49:46.6	147.0	39.7			
IBBN	e	PKPbc	Z	02:49:47.3	147.2	30.7			
MOX	e	PKPbc	Z	02:49:46.7	147.2	38.2			
GEC2	e	PKPbc	Z	02:49:48.4	147.7	43.2			
WET	e	PKPbc	Z	02:49:48.7	147.8	41.7			
BUG	e	PKPbc	Z	02:49:48.9	148.1	30.6			
GRA1	e	PKPbc	Z	02:49:49.4	148.1	38.5			
TNS	e	PKPbc	Z	02:49:50.7	148.7	33.6			
FUR	e	PKPbc	Z	02:49:52.9	149.3	40.2			
STU	e	PKPbc	Z	02:49:53.4	149.6	36.2			
WLF	e	PKPbc	Z	02:49:55.1	150.0	30.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	03:06:24.3	39.319N	24.793E	10.0G		3.9		SZGRF

Aegean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e	P	Z	03:09:19.3	12.4	136.1			
WET	e	P	Z	03:09:27.9	13.0	134.7			
BRG	e	P	Z	03:09:38.8	13.8	142.5			
GUNZ	e	P	Z	03:09:42.8	14.1	136.8			
GRA1	e	P	Z	03:09:44.0	14.1	132.0			
	e	L	Z	03:15:31.9			16.2	825	3.9
CLL	e	P	Z	03:09:47.6	14.5	141.0			
STU	e	P	Z	03:09:49.5	14.6	124.5			
MOX	e	P	Z	03:09:50.2	14.6	135.7			
BFO	e	P	Z	03:09:52.5	14.9	121.2	0.8	7	
TNS	e	P	Z	03:10:06.8	15.9	127.2	1.1	51	
CLZ	e	P	Z	03:10:09.9	16.0	135.7			
NRDL	e	P	Z	03:10:16.0	16.6	136.7	1.3	20	
WLF	e	P	Z	03:10:17.3	16.8	121.0	2.3	114	

BSEG	e P	Z	03:10:27.4	17.6	140.2	1.0	34
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	04:23:59.9	0.763S	96.254E	33.0N	4.7			SZGRF

Southwest of Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:36:44.0	87.4	94.3	0.9	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	04:56:38.0	21.000S	178.100W	365.0N				NEIR-M

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	05:15:46.3	150.4	17.8					
	e		05:15:55.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	10:15:11.4	39.670N	143.090E	33.0N	6.0			SZGRF

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	10:26:53.0	77.9	37.5	1.3	148	6.0		
BSEG	e P	Z	10:26:53.5	78.0	35.3	1.2	178	6.1		
BRG	e P	Z	10:26:59.4	79.1	37.4	1.5	200	5.9		
CLL	e P	Z	10:26:59.2	79.1	36.8	1.2	108	5.7		
	e pP	Z	10:27:09.0							
	e S	N	10:37:00.3							
	e SS	E	10:42:17.3							
CLZ	e P	Z	10:27:02.7	79.7	35.1	1.4	351	6.1		
WERD	e P	Z	10:27:04.7	80.1	36.3	1.3	56	5.3		
GUNZ	e P	Z	10:27:05.1	80.2	36.3	1.3	65	5.4		
IBBN	e P	Z	10:27:05.1	80.2	33.3	1.3	263	6.1		
MOX	e P	Z	10:27:05.1	80.2	35.8	1.5	210	6.0		
GEC2	e P	Z	10:27:08.0	80.8	37.1	1.5	124	5.7		
WET	e P	Z	10:27:09.4	80.9	36.5	1.5	228	6.0		
BUG	e P	Z	10:27:09.6	81.1	32.9	1.4	142	5.8		
GRA1	e P	Z	10:27:10.5	81.1	35.5	1.3	366	6.3		
	e	Z	10:27:50.5							
	e	Z	10:28:08.3							
TNS	e P	Z	10:27:13.1	81.7	33.6	1.4	94	5.7		
FUR	e P	Z	10:27:16.6	82.3	35.4	1.3	364	6.4		
STU	e P	Z	10:27:17.8	82.6	34.0	1.4	256	6.3		

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WLF	e P	Z	10:27:20.0	83.0	32.0	1.6	382	6.4
BFO	e P	Z	10:27:21.3	83.3	33.4	1.4	381	6.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	10:15:33.9	38.540N	142.857E	55D	5.8			NEIR-M
Near the east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 10:27:38.6	80.4	37.6	1.2	236	6.1		
	e	10:27:48.8							
	e sP	Z 10:27:59.4							
	e PP	Z 10:30:43.7							
	e PPP	Z 10:32:26.8							
	e PPPP	Z 10:33:46.2							
	e S	E 10:37:44.8							
	e SP	Z 10:38:25.6							
	e SS	E 10:42:40.1							
	e SSS	N 10:46:28.4							
	e L	Z 11:06:20.4			18.0	21776		6.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	14:52:23.8	36.491N	142.226E	23.2	5.2			SZGRF
Off east coast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:04:48.9	83.6	37.6	1.1	18	5.2		
	e pP	Z 15:04:55.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	16:58:23.8			N	4.1			SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:03:29.3			1.0	7	4.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	17:15:12.4			N		4.7		SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e S	Z 17:34:12.2							
	e L	Z 18:03:38.2			20.5	561		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/24	22:32:44.4	39.830N	79.750E	33.0N	5.3	4.4		SZGRF

Southern Xinjiang, China

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:41:04.8	45.9	77.1	1.2	25	5.1		
CLL	e P	Z	22:41:07.7	46.4	76.9	1.2	29	5.3		
GEC2	e P	Z	22:41:09.5	46.6	75.1	1.2	35	5.4		
TANN	e P	Z	22:41:12.3	47.0	75.8	1.9	44	5.3		
WET	e P	Z	22:41:13.4	47.0	74.9	1.5	31	5.2		
MOX	e P	Z	22:41:15.5	47.4	75.4	1.5	34	5.3		
BSEG	e P	Z	22:41:16.9	47.4	77.5	1.3	56	5.5		
CLZ	e P	Z	22:41:19.5	47.9	75.7	1.3	26	5.2		
GRA1	e P	Z	22:41:20.6	47.9	74.4	1.0	42	5.5		
	e L	Z	23:02:47.1			21.5	424		4.4	
FUR	e P	Z	22:41:24.1	48.3	73.1	0.5	34	5.7		
IBBN	e P	Z	22:41:31.1	49.3	74.4	0.6	24	5.4		
STU	e P	Z	22:41:32.0	49.4	72.4	0.9	21	5.1		
TNS	e P	Z	22:41:32.4	49.5	73.1	1.9	56	5.2		
BUG	e P	Z	22:41:34.6	49.8	73.4	1.4	35	5.1		
BFO	e P	Z	22:41:35.9	50.1	71.5	1.5	30	5.0		
WLF	e P	Z	22:41:44.4	51.1	71.3	1.0	25	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/25	00:48: 4.6	15.700S	172.000W	33.0N		5.0		GSRC-M

Samoa Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e PKP	Z	01:07:36.9	144.9	6.1					
WERD	e PKP	Z	01:07:39.3	145.1	7.3					
GUNZ	e PKP	Z	01:07:38.5	145.2	7.3					
TNS	e PKP	Z	01:07:40.7	145.5	0.8					
GRA1	e PKP	Z	01:07:41.7	145.9	5.5					
	e L	Z	02:15:38.3			20.1	267		5.0	
WLF	e PKP	Z	01:07:42.1	146.0	356.8					
WET	e PKP	Z	01:07:42.5	146.3	8.5					
GEC2	e PKP	Z	01:07:43.2	146.5	10.0					
STU	e PKP	Z	01:07:45.0	146.9	2.1					
BFO	e PKP	Z	01:07:45.7	147.4	0.6					
FUR	e PKP	Z	01:07:44.9	147.4	5.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/25	15:35:31.5	55.143N	165.443E	33.0N	4.7			SZGRF

Komandorsky Islands, Russia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:46:58.2	73.0	15.1	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/25	15:57:43.9	39.350N	143.560E	24.9	5.0			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 16:09:45.6	78.4	35.1	1.3	19	5.0		
BRG	e P	Z 16:09:51.4	79.6	37.3	1.3	14	4.7		
CLL	e P	Z 16:09:51.2	79.6	36.7	1.0	16	4.9		
CLZ	e P	Z 16:09:54.8	80.1	34.9	1.9	59	5.2		
WERD	e P	Z 16:09:56.6	80.5	36.1	2.0	25	4.9		
GUNZ	e P	Z 16:09:57.1	80.6	36.1	1.8	24	4.9		
MOX	e P	Z 16:09:57.5	80.6	35.7	1.5	19	4.9		
GEC2	e P	Z 16:10:00.4	81.3	36.9	1.3	10	4.8		
WET	e P	Z 16:10:01.4	81.4	36.4	1.5	16	4.9		
BUG	e P	Z 16:10:01.3	81.5	32.7					
GRA1	e P	Z 16:10:02.7	81.6	35.3	1.1	34	5.4		
	e pP	Z 16:10:09.9							
TNS	e P	Z 16:10:05.2	82.1	33.4	0.8	5	4.7		
BFO	e P	Z 16:10:13.6	83.8	33.2	1.3	22	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/25								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:58:56.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/25	21:08:13.2	37.220N	79.510E	19.7	5.6	5.9		SZGRF

Southern Xinjiang, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 21:16:46.3	47.2	81.5	1.1	77	5.7		
BRG	e P	Z 21:16:47.5	47.4	80.1	1.0	94	5.9		
	e PcP	Z 21:18:17.3							
CLL	i P	+ Z 21:16:51.1	47.9	79.9	1.0	66	5.7		
	e pP	Z 21:16:56.5							
	e sP	Z 21:16:58.3							
	e PP	Z 21:18:44.1							

	e S	N	21:23:52.5								
	e SS	N	21:27:29.8								
	e SSS	E	21:28:25.2								
	e LR	Z	21:34:40.8								
	e L	Z	21:38:56.4			22.0	2843		5.2		
GEC2	e P	Z	21:16:51.7	47.9	78.2	1.0	86		5.8		
	e PcP	Z	21:18:18.8								
WET	e P	Z	21:16:55.3	48.4	77.9	1.0	63		5.6		
WERD	e P	Z	21:16:55.9	48.5	78.7	1.0	50		5.5		
	e PcP	Z	21:18:20.7								
GUNZ	e P	Z	21:16:56.0	48.5	78.6	1.0	62		5.6		
	e PcP	Z	21:18:21.2								
	e PP	Z	21:18:49.6								
MOX	e P	Z	21:16:58.9	48.9	78.4	1.0	54		5.5		
	e PcP	Z	21:18:22.3								
BSEG	e P	Z	21:17:00.7	49.0	80.3	1.0	98		5.8		
	e PcP	Z	21:18:23.8								
	e PP	Z	21:18:54.9								
GRA1	e P	Z	21:17:03.1	49.3	77.3	1.0	136		5.9		
	e pP	Z	21:17:08.4								
	e PP	Z	21:18:56.4								
	e L	Z	21:39:53.0			15.9	10502		5.9		
CLZ	e P	Z	21:17:03.2	49.4	78.5	1.1	67		5.5		
	e PcP	Z	21:18:24.7								
	e PP	Z	21:18:56.2								
FUR	e P	Z	21:17:05.1	49.6	76.1	0.9	210		6.0		
STU	e P	Z	21:17:13.8	50.8	75.3	1.0	93		5.7		
	e PcP	Z	21:18:28.6								
IBBN	e P	Z	21:17:14.3	50.9	77.1	1.1	85		5.6		
TNS	e P	Z	21:17:14.6	50.9	76.0	1.0	35		5.3		
	e PcP	Z	21:18:30.2								
BUG	e P	Z	21:17:18.0	51.4	76.1	1.0	59		5.5		
	e PcP	Z	21:18:31.4								
	e PP	Z	21:19:13.7								
BFO	e P	Z	21:17:18.3	51.5	74.4	1.0	33		5.2		
WLF	e P	Z	21:17:26.6	52.5	74.1	1.0	118		5.8		

Date 2005/08/25 Origin Time 22:29: 4.0 Lat 38.190N Long 142.600E Depth 30.2 mb 5.3 Ms 5.1 ML Source SZGRF
 Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 22:41:08.3	79.0	38.6	1.1	31	5.2		
BSEG	e P	Z 22:41:08.6	79.1	36.3	1.1	29	5.2		
BRG	e P	Z 22:41:14.3	80.2	38.5	1.2	22	5.1		
CLL	e P	Z 22:41:14.3	80.2	37.9	1.1	38	5.3		
CLZ	e P	Z 22:41:17.9	80.8	36.1	1.2	41	5.3		

WERD	e P	Z	22:41:19.7	81.2	37.3	1.3	14	4.9		
GUNZ	e P	Z	22:41:20.0	81.3	37.4	1.2	20	5.1		
MOX	e P	Z	22:41:20.2	81.3	36.9	1.5	22	5.1		
GEC2	e P	Z	22:41:23.2	81.9	38.2	1.2	13	4.9		
WET	e P	Z	22:41:24.1	82.0	37.6	1.3	19	5.1		
GRA1	e P	Z	22:41:25.4	82.2	36.5	1.2	51	5.6		
	e pP	Z	22:41:34.2							
	e L	Z	23:21:41.7			17.2	674		5.1	
BUG	e P	Z	22:41:25.0	82.2	33.9	1.3	24	5.3		
TNS	e P	Z	22:41:28.4	82.8	34.6	1.0	11	5.0		
FUR	e P	Z	22:41:31.6	83.4	36.5	1.1	46	5.6		
STU	e P	Z	22:41:32.7	83.7	35.1	0.9	25	5.5		
WLF	e P	Z	22:41:35.0	84.1	33.0	1.8	109	5.8		
BFO	e P	Z	22:41:36.1	84.4	34.4	1.1	39	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/25 23:09:22.3 23.040S 179.510W 547.9 mb Ms ML SZGRF
 South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	23:28:01.0	148.2	17.4					
	e PKPbc	Z	23:28:06.2							
	e PKPab	Z	23:28:11.8							
RUE	e PKPbc	Z	23:28:07.6	148.9	24.1					
	e pPKPbc	Z	23:30:15.6							
CLL	e PKPdf	Z	23:28:04.2	150.1	23.6					
	e PKPbc	Z	23:28:10.5							
	e pPKPdf	Z	23:30:14.3							
	e pPKPbc	Z	23:30:17.8							
IBBN	e PKPbc	Z	23:28:10.9	150.2	13.6					
	e PKPab	Z	23:28:18.6							
CLZ	e PKPdf	Z	23:28:04.0	150.2	18.5					
	e PKPbc	Z	23:28:11.0							
	e pPKPdf	Z	23:30:15.0							
	e pPKPbc	Z	23:30:19.2							
BRG	e PKPdf	Z	23:28:04.4	150.3	25.6					
	e PKPbc	Z	23:28:11.0							
	e PKPab	Z	23:28:18.4							
	e pPKPdf	Z	23:30:14.8							
	e pPKPbc	Z	23:30:18.2							
MOX	e PKPdf	Z	23:28:05.2	151.1	21.5					
	e PKPbc	Z	23:28:12.6							
	e PKPab	Z	23:28:23.5							
	e pPKPbc	Z	23:30:21.0							
WERD	e PKPdf	Z	23:28:05.6	151.1	22.9					
	e PKPbc	Z	23:28:12.8							
	e PKPab	Z	23:28:23.8							

	e pPKPdf	Z	23:30:16.8		
BUG	e PKPbc	Z	23:28:12.5	151.1	13.0
	e PKPab	Z	23:28:24.3		
	e pPKPbc	Z	23:30:20.7		
GUNZ	e PKPdf	Z	23:28:06.1	151.2	23.0
	e PKPbc	Z	23:28:13.0		
	e PKPab	Z	23:28:24.2		
	e pPKPdf	Z	23:30:16.5		
GRA1	e PKPbc	Z	23:28:14.6	152.0	21.4
TNS	e PKPbc	Z	23:28:15.1	152.1	15.8
	e PKPab	Z	23:28:28.2		
	e pPKPdf	Z	23:30:18.9		
WET	e pPKPbc	Z	23:30:23.2		
	e PKPdf	Z	23:28:06.8	152.1	25.0
	e PKPbc	Z	23:28:14.8		
WLF	e PKPab	Z	23:28:28.6		
	e PKPbc	Z	23:28:17.1	153.0	11.5
	e pPKPdf	Z	23:30:20.6		
STU	e pPKPbc	Z	23:30:25.7		
	e PKPdf	Z	23:28:09.0	153.4	18.1
	e PKPbc	Z	23:28:17.9		
FUR	e PKPab	Z	23:28:33.8		
	e pPKPbc	Z	23:30:26.1		
	e PKPdf	Z	23:28:08.8	153.5	22.7
BFO	e PKPab	Z	23:28:34.3		
	e PKPbc	Z	23:28:18.7	154.0	16.6
	e PKPab	Z	23:28:35.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/26 00:36:42.9 3.960N 96.050E 33.0N 4.9
 Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	00:48:59.2	82.0	93.6	1.0	6	4.7		
GEC2	e P	Z	00:48:59.8	82.0	93.2	0.9	14	5.1		
WET	e P	Z	00:49:02.5	82.5	92.6	1.0	8	4.9		
CLL	e P	Z	00:49:02.6	82.6	93.0	0.9	6	4.8		
GRA1	e P	Z	00:49:08.5	83.6	91.4	1.0	12	5.1		
CLZ	e P	Z	00:49:11.3	84.2	90.9	1.2	10	4.9		
BFO	e P	Z	00:49:17.6	85.5	89.1	1.1	9	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/26 07:45:24.2 36.970N 71.450E 33.0G 5.3
 Afghanistan-Tajikistan border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:53:18.0	42.5	86.0	1.3	73	5.2		
RUE	e P	Z	07:53:17.6	42.5	87.7	1.4	83	5.3		
GEC2	e P	Z	07:53:21.0	42.8	83.7	1.2	19	4.7		
CLL	i P	+ Z	07:53:21.9	43.1	85.8	1.2	44	5.1		
	e pP	Z	07:53:46.4							
	e sP	Z	07:53:56.9							
	e PcP	Z	07:55:07.0							
	e S	E	07:59:45.1							
	e LR	Z	08:06:17.6							
	e L	Z	08:14:08.9			18.0	154		4.0	
GUNZ	e P	Z	07:53:26.6	43.6	84.3	1.2	35	5.0		
WERD	e P	Z	07:53:26.5	43.6	84.4	1.2	31	4.9		
MOX	e P	Z	07:53:30.2	44.0	84.1	1.2	43	5.2		
GRA1	e P	Z	07:53:33.8	44.3	82.9	1.5	117	5.6		
BSEG	e P	Z	07:53:34.4	44.5	86.5	1.4	81	5.5		
FUR	e P	Z	07:53:34.4	44.5	81.4	1.6	130	5.6		
CLZ	e P	Z	07:53:35.2	44.6	84.5	1.3	78	5.5		
NRDL	e P	Z	07:53:36.1	44.7	84.9	1.3	64	5.4		
STU	e P	Z	07:53:44.4	45.8	80.6	1.1	39	5.3		
TNS	e P	Z	07:53:46.3	46.0	81.5	1.1	24	5.2		
IBBN	e P	Z	07:53:47.5	46.2	83.0	1.3	104	5.8		
BFO	e P	Z	07:53:48.4	46.4	79.7	1.1	18	5.1		
BUG	e P	Z	07:53:51.1	46.6	81.9	1.2	54	5.5		
WLF	e P	Z	07:53:58.8	47.6	79.5	1.1	57	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/26 11:01:24.6 39.970N 74.910E 33.0N 4.6
 Southern Xinjiang, China

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:09:21.4	42.9	80.1	0.8	10	4.6		
CLL	e P	Z	11:09:25.1	43.4	79.9	0.6	8	4.6		
GEC2	e P	Z	11:09:25.5	43.4	77.8	0.9	10	4.5		
WET	e P	Z	11:09:29.2	43.9	77.6	0.8	5	4.3		
WERD	e P	Z	11:09:30.0	44.0	78.6	0.9	6	4.4		
GUNZ	e P	Z	11:09:30.0	44.0	78.5	0.8	6	4.4		
MOX	e P	Z	11:09:32.8	44.3	78.4	0.6	5	4.4		
BSEG	e P	Z	11:09:34.9	44.5	80.8	0.8	13	4.9		
GRA1	e P	Z	11:09:37.2	44.8	77.2	0.9	18	5.0		
NRDL	e P	Z	11:09:37.5	44.9	79.2	0.9	9	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/26 15:52:29.0 45.021N 17.288E 10.0G
 Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pn	Z 15:53:07.8	2.4	126.9					
ARSA	e Pn	Z 15:53:10.0	2.5	150.6					
MOA	e Pn	E 15:53:24.2	3.5	142.5					
	e Sn	N 15:54:04.7							3.0
GEC2	e Pn	Z 15:53:38.1	4.5	146.0					3.1
	e Sn	N 15:54:29.3							
WET	e Pn	Z 15:53:45.4	5.1	142.3					
	e Sn	N 15:54:41.2							
TANN	e Pn	Z 15:54:02.0	6.3	147.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/26	16:39:44.9	8.710N	92.053E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:51:37.3	77.4	91.3	0.9	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/26	18:16:31.9	12.870N	51.330E	33.0N	5.9	5.7		SZGRF

Eastern Gulf of Aden

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:25:03.5	47.5	126.1	1.7	151	5.6		
WET	e P	Z 18:25:07.9	48.1	125.5	2.2	183	5.7		
	e S	T 18:32:04.3							
FUR	e P	Z 18:25:11.3	48.4	123.0	2.2	775	6.4		
BRG	e P	Z 18:25:11.7	48.6	127.9	1.5	144	5.8		
	e S	T 18:32:13.1							
GUNZ	e P	Z 18:25:16.3	49.1	125.7	1.5	244	6.0		
WERD	e P	Z 18:25:16.5	49.2	125.8	1.5	172	6.0		
GRA1	e P	Z 18:25:17.2	49.3	124.1	1.4	155	6.0		
	e L	Z 18:45:56.8			21.4	7618		5.7	
GRFO	e P	Z 18:25:17.3	49.3	124.1	1.4	134	5.9		
CLL	e P	Z 18:25:16.6	49.3	127.1	2.2	435	6.2		
	e PP	Z 18:27:14.0							
	e PPP	Z 18:28:03.7							
	e S	E 18:32:19.7							
	e ScS	N 18:35:15.8							
	e SS	E 18:36:05.1							
	e LR	Z 18:40:15.9							
	e L	Z 18:47:54.0			22.0	9028		5.7	
MOX	e P	Z 18:25:20.3	49.6	125.2	1.6	178	5.9		
	e S	T 18:32:28.3							

RUE	e P	Z	18:25:19.7	49.7	128.8	1.4	277	6.2
STU	e P	Z	18:25:22.2	49.9	121.3	1.9	121	5.7
	e S	T	18:32:28.5					
BFO	e P	Z	18:25:25.3	50.2	120.0	1.3	165	6.0
CLZ	e P	Z	18:25:30.5	50.9	124.6	1.7	242	6.1
	e S	T	18:32:45.6					
TNS	e P	Z	18:25:31.3	51.1	121.5	2.0	166	5.7
	e S	T	18:32:46.1					
NRDL	e P	Z	18:25:34.5	51.5	124.8	1.9	346	6.1
	e S	T	18:32:53.8					
WLF	e P	Z	18:25:39.7	52.1	118.8	1.3	103	5.6
BSEG	e P	Z	18:25:39.1	52.2	125.9	1.8	134	5.6
	e S	T	18:33:01.6					
BUG	e P	Z	18:25:41.3	52.3	121.1	1.5	99	5.5
	e S	T	18:33:06.4					
IBBN	e P	Z	18:25:43.0	52.5	122.2	1.7	201	5.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/26 18:50:59.7 40.014N 142.488E 33.0N 4.8
 Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:03:09.3	80.6	35.7	0.9	10	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/27

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:37:37.1							

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/27 03:59:27.8 46.515N 152.965E 33.0N 4.6
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:11:24.7	78.2	25.8	0.9	6	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/27 05:05:25.1 36.520N 70.820E 264.2 5.0
 Hindu Kush, Afghanistan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:12:54.5	42.4	87.0	0.6	28	5.2		
RUE	e P	Z	05:12:54.3	42.4	88.7	0.8	29	5.0		
GEC2	e P	Z	05:12:56.5	42.7	84.7	1.0	9	4.4		
CLL	e P	Z	05:12:58.7	42.9	86.8	0.7	13	4.7		
GUNZ	e P	Z	05:13:03.2	43.4	85.3	0.9	13	4.7		
WERD	e P	Z	05:13:03.1	43.4	85.4	0.8	11	4.6		
MOX	e P	Z	05:13:06.6	43.9	85.1	0.6	13	4.8		
GRA1	e P	Z	05:13:09.9	44.2	83.8	0.7	20	5.0		
	e pP	Z	05:14:05.2							
FUR	e P	Z	05:13:10.3	44.4	82.3	0.6	22	5.1		
BSEG	e P	Z	05:13:11.0	44.4	87.5	0.8	29	5.3		
CLZ	e P	Z	05:13:11.8	44.5	85.4	0.8	14	4.9		
NRDL	e P	Z	05:13:12.7	44.6	85.9	0.9	20	5.1		
STU	e P	Z	05:13:20.2	45.6	81.6	0.6	16	5.2		
TNS	e P	Z	05:13:22.4	45.9	82.5	1.1	10	4.8		
IBBN	e P	Z	05:13:23.9	46.1	84.0	0.8	37	5.5		
BFO	e P	Z	05:13:24.5	46.3	80.6	0.6	5	4.7		
BUG	e P	Z	05:13:27.0	46.5	82.8	1.1	31	5.3		
WLF	e P	Z	05:13:34.9	47.5	80.4	1.3	34	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/27	06:46:48.1	44.320N	145.540E	33.0N	5.1			SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	06:58:26.4	74.6	31.5	0.9	33	5.4		
RUE	e P	Z	06:58:27.0	74.7	33.6	0.7	27	5.4		
NRDL	e P	Z	06:58:33.5	75.9	31.2	0.9	14	5.1		
CLL	e P	Z	06:58:33.5	75.9	32.9	0.8	42	5.6		
BRG	e P	Z	06:58:34.0	76.0	33.5	0.9	10	4.9		
CLZ	e P	Z	06:58:36.5	76.4	31.3	0.8	26	5.4		
IBBN	e P	Z	06:58:38.3	76.8	29.6	0.7	31	5.5		
WERD	e P	Z	06:58:39.2	76.9	32.4	0.8	7	4.9		
GUNZ	e P	Z	06:58:39.6	77.0	32.4	0.7	10	5.0		
MOX	e P	Z	06:58:39.5	77.0	31.9	0.8	8	4.9		
BUG	e P	Z	06:58:43.2	77.7	29.2	0.8	14	5.1		
GEC2	e P	Z	06:58:44.1	77.8	33.1	0.8	5	4.7		
WET	e P	Z	06:58:44.7	77.8	32.6	1.0	17	5.1		
GRA1	e P	Z	06:58:45.2	77.9	31.6	1.0	36	5.5		
TNS	e P	Z	06:58:47.3	78.4	29.8	0.7	11	5.0		
FUR	e P	Z	06:58:52.1	79.2	31.4	1.2	33	5.1		
STU	e P	Z	06:58:52.9	79.4	30.2	0.7	16	5.0		
WLF	e P	Z	06:58:55.0	79.6	28.3	1.2	17	4.9		
BFO	e P	Z	06:58:56.2	80.0	29.6	0.9	10	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/27	10:58:2.6	5.700N	125.700E	172.0G				NEIR-M

Mindanao, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e Pdiff	Z 11:11:21.2	98.5	69.0					
BRG	e Pdiff	Z 11:11:23.0	99.0	69.3					
BSEG	e Pdiff	Z 11:11:27.2	99.8	65.8					
WERD	e Pdiff	Z 11:11:28.1	100.1	68.1					
WET	e Pdiff	Z 11:11:29.3	100.2	68.7					
MOX	e Pdiff	Z 11:11:30.0	100.4	67.5					
NRDL	e Pdiff	Z 11:11:30.7	100.5	65.9					
CLZ	e Pdiff	Z 11:11:30.8	100.7	66.2					
GRA1	e Pdiff	Z 11:11:32.3	101.0	67.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/27	17:40:12.9	30.700S	59.900E	33.0N	5.2			GSRC-M

Southwest Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:53:16.0	91.3	139.8	1.9	24	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/27	18:38:19.7	6.290N	82.010W	10.0G	5.7	5.9		SZGRF

South of Panama

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 18:50:50.9	84.0	272.7	1.0	104	6.0		
BUG	e P	Z 18:50:53.6	84.6	273.4	1.6	85	5.7		
	e S	T 19:01:21.3							
IBBN	e P	Z 18:50:54.9	84.9	273.7	1.0	46	5.6		
TNS	e P	Z 18:50:58.0	85.5	274.4	1.4	68	5.7		
BFO	e P	Z 18:50:58.0	85.5	274.4	1.1	50	5.6		
	e S	T 19:01:29.2							
STU	e P	Z 18:51:00.9	86.1	275.1	1.2	72	5.8		
BSEG	e P	Z 18:51:01.8	86.3	275.6	1.4	43	5.5		
	e S	T 19:01:38.0							
NRDL	e P	Z 18:51:02.4	86.3	275.5	1.4	64	5.7		
CLZ	e P	Z 18:51:03.4	86.5	275.8	1.1	72	5.8		
	e S	T 19:01:41.1							
GRA1	e P	Z 18:51:07.3	87.3	276.5	1.0	47	5.6		
	e L	Z 19:24:11.1			21.6	5449		5.9	
MOX	e P	Z 18:51:07.8	87.4	276.8	1.1	34	5.4		
FUR	e P	Z 18:51:08.4	87.5	276.6	2.3	296	6.0		

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TANN	e P	Z	18:51:10.7	88.0	277.4	1.1	53	5.6		
	e S	T	19:01:55.7							
CLL	e P	Z	18:51:12.0	88.2	277.8	1.1	47	5.7		
	e PP	Z	18:54:35.8							
	e PPP	Z	18:56:30.8							
	e PPPP	Z	18:58:09.2							
	e SKSac	E	19:01:39.5							
	e S	E	19:01:57.6							
	e PS	E	19:03:05.7							
	e PPS	Z	19:03:18.2							
	e SS	N	19:07:45.7							
	e LQ	T	19:15:08.5							
	e LR	Z	19:19:16.1							
	e L	Z	19:23:51.6			22.0	2877		5.6	
WET	e P	Z	18:51:12.9	88.4	277.8	1.1	58	5.6		
BRG	e P	Z	18:51:14.8	88.9	278.6	1.2	36	5.6		
GEC2	e P	Z	18:51:15.5	89.0	278.4	1.0	26	5.5		
	e S	T	19:02:05.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/27	22:03:3.9	53.427N	2.724E	10.0G			3.2	SZGRF

North Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
HLG	e Pn	Z 22:03:52.7	3.1	258.2					
	e Sn	E 22:04:32.1							
IBBN	e Pn	Z 22:03:54.5	3.2	292.2					
BUG	e Pn	Z 22:03:56.9	3.4	307.4					3.1
BSEG	e Pn	Z 22:04:11.6	4.5	266.6					3.2
	e Sn	N 22:05:03.4							
TNS	e Pn	Z 22:04:15.2	4.8	314.4					
CLZ	e Pn	Z 22:04:17.6	4.9	291.9					
	e Sn	N 22:05:11.8							
BFO	e Pn	Z 22:04:33.4	6.2	327.4					
GRA1	e Pn	Z 22:04:39.4	6.5	308.5					
GRA3	e Pn	Z 22:04:39.4	6.5	307.8					
GRA4	e Pn	Z 22:04:42.5	6.7	308.8					
GRC2	e Pn	Z 22:04:48.1	7.1	313.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	01:17:26.4	44.638N	158.187E	33.0N	4.2			SZGRF

North Pacific Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:29:40.2	81.4	23.1	0.9	2	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	03:36:30.1	34.859N	140.598E	33.0N	4.8			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:48:59.1	84.3	39.6	0.9	5	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	04:43:40.1	4.990N	94.250E	53.3	5.5			SZGRF

Off west coast of northern Sumatra, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:55:43.9	80.0	94.4	1.3	47	5.3		
GEC2	e P	Z	04:55:44.2	80.0	93.8	1.0	84	5.6		
	e pP	Z	04:55:59.3							
WET	e P	Z	04:55:47.1	80.6	93.3	1.1	49	5.4		
CLL	i P	+ Z	04:55:47.0	80.6	93.7	1.4	41	5.2		
	e sP	Z	04:56:01.7							
	e PP	Z	04:58:41.9							
	e S	N	05:05:46.4							
	e PPS	E	05:06:56.6							
	e SS	E	05:11:09.4							
	e L	Z	05:38:11.6			22.0	171		4.4	
GUNZ	e P	Z	04:55:49.2	81.0	93.0	1.2	36	5.3		
WERD	e P	Z	04:55:49.1	81.0	93.0	1.2	30	5.2		
MOX	e P	Z	04:55:51.6	81.5	92.5	1.5	42	5.3		
FUR	e P	Z	04:55:52.0	81.6	91.9	1.3	72	5.6		
GRA1	e P	Z	04:55:53.2	81.7	92.1	1.1	62	5.7		
	e pP	Z	04:56:08.6							
CLZ	e P	Z	04:55:55.8	82.3	91.7	1.3	56	5.5		
BSEG	e P	Z	04:55:56.5	82.4	92.0	1.2	53	5.5		
NRDL	e P	Z	04:55:57.2	82.5	91.6	1.5	79	5.6		
STU	e P	Z	04:55:59.5	83.0	90.4	1.5	46	5.5		
TNS	e P	Z	04:56:02.2	83.5	90.0	1.0	28	5.4		
BFO	e P	Z	04:56:02.1	83.6	89.7	0.9	25	5.4		
IBBN	e P	Z	04:56:04.3	83.9	89.7	1.4	71	5.7		
	e pP	Z	04:56:19.6							
BUG	e P	Z	04:56:05.8	84.2	89.2	1.6	96	5.8		
WLF	e P	Z	04:56:10.1	85.0	88.2	1.4	50	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	05:34:45.5	2.075N	96.317E	33.0N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:47:10.7	83.6	94.2	1.3	15	5.1		
WET	e P	Z 05:47:13.2	84.1	93.6	1.2	10	4.9		
WERD	e P	Z 05:47:15.3	84.6	93.3	1.1	6	4.7		
MOX	e P	Z 05:47:17.6	85.0	92.8	1.5	7	4.7		
GRA1	e P	Z 05:47:19.2	85.2	92.4	1.4	22	5.2		
BSEG	e P	Z 05:47:22.7	86.0	92.0	1.1	10	4.9		
TNS	e P	Z 05:47:28.0	87.0	90.3	1.7	20	5.0		
IBBN	e P	Z 05:47:29.8	87.5	89.9	1.0	17	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 07:06:13.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	12:04:19.7	26.551N	128.469E	33.0N	4.5			SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:16:55.4	85.6	52.9	1.3	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	13:13:51.0	25.431N	89.132E	33.0N	4.7			SZGRF

India-Bangladesh border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:24:16.8	63.3	81.4	1.1	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	14:09:22.1	4.547N	94.474E	33.0N	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 14:21:30.6	80.5	94.5	0.9	8	4.7		
GEC2	e P	Z 14:21:30.7	80.5	94.0	0.9	15	5.0		
WET	e P	Z 14:21:34.2	81.1	93.4	1.0	7	4.7		
CLL	e P	Z 14:21:34.2	81.1	93.8	0.8	7	4.7		

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GUNZ	e P	Z	14:21:35.9	81.5	93.2	1.0	6	4.6
WERD	e P	Z	14:21:36.2	81.5	93.1	1.2	9	4.8
GRA1	e P	Z	14:21:40.1	82.2	92.2	0.9	14	5.1
CLZ	e P	Z	14:21:42.8	82.8	91.8	0.8	9	5.0
BSEG	e P	Z	14:21:43.0	82.9	92.0	0.9	15	5.2
NRDL	e P	Z	14:21:43.9	83.0	91.7	2.0	46	5.4
TNS	e P	Z	14:21:48.9	84.0	90.1	0.8	5	4.8
BFO	e P	Z	14:21:49.1	84.0	89.8	1.0	7	4.9
IBBN	e P	Z	14:21:51.4	84.4	89.8	0.8	14	5.2
BUG	e P	Z	14:21:53.1	84.7	89.3	1.7	35	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:49:04.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/28	18:51:14.8	25.780N	131.660E	33.0N	5.0			SZGRF
Southeast of Ryukyu Islands, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 19:03:52.3	85.7	50.5	1.0	26	5.3		
BRG	e P	Z 19:03:52.5	85.8	53.1	1.4	19	5.0		
CLL	e P	Z 19:03:53.7	86.0	52.4	1.0	17	5.1		
TANN	e P	Z 19:03:58.2	86.8	51.9	1.4	8	4.7		
GEC2	e P	Z 19:03:59.3	87.2	52.8	1.2	10	4.8		
IBBN	e P	Z 19:04:02.5	87.9	48.4	0.7	4	4.8		
GRA1	e P	Z 19:04:02.9	87.9	51.0	1.3	14	5.1		
WLF	e P	Z 19:04:14.9	90.4	47.1	0.9	10	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/29	09:38:46.0	35.890N	12.100W	33.0N	4.8			SZGRF
Azores-Cape St. Vincent Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 09:43:06.3	19.1	230.8	0.9	70	4.9		
STU	e P	Z 09:43:20.3	20.2	238.4	0.8	42	4.7		
TNS	e P	Z 09:43:23.0	20.6	233.8	1.2	18	4.3		
IBBN	e P	Z 09:43:34.4	21.6	228.4	1.0	79	5.1		
GRA1	e P	Z 09:43:35.9	21.8	239.6	0.9	63	5.1		
WET	e P	Z 09:43:43.7	22.5	243.3	1.1	52	5.0		
MOX	e P	Z 09:43:43.5	22.5	238.2	1.3	21	4.5		

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CLZ	e P	Z	09:43:44.6	22.6	233.8	1.3	41	4.8		
GEC2	e P	Z	09:43:47.5	22.9	245.1	1.0	82	5.2		
CLL	e P	Z	09:43:55.0	23.7	239.1					
	e S	N	09:48:05.0							
	e L	Z	09:50:38.1			20.0	136		3.4	
BSEG	e P	Z	09:43:56.8	23.8	229.9	1.4	76	5.0		
BRG	e P	Z	09:43:58.1	23.9	241.3	0.9	9	4.3		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/29 14:44:31.5 8.378N 93.520E 33.0N 5.0
 Nicobar Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:56:30.6	78.6	90.4	1.2	18	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/29 17:40:16.2 0.592S 97.660E 33.0N 5.0
 Southwest of Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:53:04.1	88.1	93.1	1.2	10	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/30 04:24: 9.1 63.370N 144.490W 33.0N 5.3
 Central Alaska, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 04:34:22.2	61.1	347.4	1.3	42	5.1		
IBBN	e P	Z 04:34:30.7	62.3	346.4	1.0	41	5.5		
NRDL	e P	Z 04:34:31.3	62.4	347.5	1.1	34	5.4		
BUG	e P	Z 04:34:35.5	63.1	346.2	1.0	31	5.4		
CLZ	e P	Z 04:34:36.3	63.1	347.7	1.0	49	5.6		
CLL	e P	Z 04:34:41.2	64.0	349.0	1.0	24	5.4		
TNS	e P	Z 04:34:44.4	64.4	346.9	1.2	22	5.3		
MOX	e P	Z 04:34:44.6	64.4	348.4	0.9	28	5.5		
BRG	e P	Z 04:34:44.8	64.5	349.5	1.0	22	5.3		
WLF	e P	Z 04:34:46.0	64.6	345.9	1.2	34	5.4		
TANN	e P	Z 04:34:46.9	64.8	348.8	1.0	17	5.2		
GRA1	e P	Z 04:34:50.6	65.3	348.3	1.3	22	5.2		
WET	e P	Z 04:34:55.6	66.1	349.1	1.1	28	5.4		
BFO	e P	Z 04:34:55.9	66.3	347.1	1.1	16	5.1		
GEC2	e P	Z 04:34:58.0	66.5	349.5	1.1	13	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	BSEG	e Pg	Z 10:42:14.0					1.4
	CLZ	e Pn	Z 10:42:43.2					
		e Sg	N 10:43:16.9					
	HLG	e Pg	Z 10:42:24.8					
		e Sg	N 10:42:43.3					
	NRDL	e Pg	Z 10:42:34.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	14:02:44.5	15.270N	60.231W	33.0N	4.8			SZGRF
Leeward Islands								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 14:13:31.1	66.5	266.0	1.0	6	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	17:34:22.7	80.969N	25.462W	33.0N	4.4			SZGRF
Near north coast of Kalaallit Nunaat								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 17:40:58.8	33.4	350.2	0.9	4	4.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	17:48:31.0	39.490N	143.100E	33.0N	5.1			SZGRF
Off east coast of Honshu, Japan								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	BSEG	e P	Z 18:00:29.3	78.1	35.4	1.1	20	5.2
	BRG	e P	Z 18:00:35.2	79.3	37.5	1.2	16	4.8
	CLL	e P	Z 18:00:35.0	79.3	36.9	1.1	29	5.1
	NRDL	e P	Z 18:00:35.9	79.4	35.1	1.1	12	4.7
	CLZ	e P	Z 18:00:38.6	79.8	35.2	1.2	26	5.0
	TANN	e P	Z 18:00:40.4	80.2	36.5	1.5	17	4.8
	IBBN	e P	Z 18:00:41.0	80.4	33.4	1.4	45	5.3
	MOX	e P	Z 18:00:41.0	80.4	35.9	1.5	22	5.0
	GEC2	e P	Z 18:00:44.3	81.0	37.1	1.2	10	4.7
	WET	e P	Z 18:00:45.2	81.1	36.6	1.2	14	4.9
	BUG	e P	Z 18:00:45.4	81.2	33.0	1.0	17	5.1

GRA1	e P	Z	18:00:46.3	81.3	35.5	1.0	34	5.4
TNS	e P	Z	18:00:48.9	81.9	33.7	1.1	10	4.8
FUR	e P	Z	18:00:52.4	82.5	35.5	1.5	70	5.7
STU	e P	Z	18:00:54.0	82.8	34.1	1.1	22	5.3
WLF	e P	Z	18:00:55.9	83.1	32.0	1.5	23	5.2
BFO	e P	Z	18:00:57.1	83.5	33.5	1.3	38	5.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2005/08/30 18:10:43.9 38.150N 143.780E 33.0N 5.9 6.3
 Off east coast of Honshu, Japan SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	18:22:41.4	78.0	37.7	1.1	272	6.3		
RUE	e P	Z	18:22:49.5	79.5	37.8	1.1	217	6.1		
BSEG	e P	Z	18:22:49.8	79.6	35.5	1.0	178	6.0		
	e PP	Z	18:25:49.1							
	e S	R	18:32:52.8							
BRG	e P	Z	18:22:55.7	80.7	37.7	1.1	126	5.7		
	e S	T	18:33:03.0							
CLL	e P	Z	18:22:55.3	80.7	37.1	1.0	184	6.1		
	e		18:23:05.2							
	e PP	Z	18:26:00.4							
	e PPP	Z	18:27:38.6							
	e PPPP	Z	18:29:06.4							
	e S	E	18:33:02.6							
	e PS	N	18:33:42.5							
	e PPS	N	18:34:07.5							
	e SS	N	18:38:19.4							
	e SSS	N	18:41:42.1							
	e L	Z	19:02:20.4			18.0	18882		6.5	
NRDL	e P	Z	18:22:56.1	80.8	35.2	1.2	88	5.6		
CLZ	e P	Z	18:22:58.7	81.3	35.3	1.2	185	5.9		
WERD	e P	Z	18:23:01.0	81.7	36.5	1.3	92	5.7		
MOX	e P	Z	18:23:01.4	81.8	36.1	1.2	114	5.8		
IBBN	e P	Z	18:23:01.4	81.8	33.5	1.1	146	5.9		
GEC2	e P	Z	18:23:04.7	82.4	37.4	1.2	73	5.6		
WET	e P	Z	18:23:05.3	82.5	36.8	1.2	117	5.8		
BUG	e P	Z	18:23:07.4	82.7	33.1	1.1	94	5.8		
GRA1	e P	Z	18:23:06.8	82.7	35.7	1.1	269	6.3		
	e PP	Z	18:26:17.7							
	e S	T	18:33:24.5							
	e L	Z	19:05:02.3			19.9	12595		6.3	
GRFO	e P	Z	18:23:06.8	82.7	35.7	1.1	231	6.2		
TNS	e P	Z	18:23:09.4	83.3	33.8	1.3	86	5.7		
FUR	e P	Z	18:23:12.9	83.9	35.7	1.1	233	6.3		
STU	e P	Z	18:23:14.0	84.2	34.3	1.2	152	6.1		
	e S	T	18:33:39.7							

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WLF	e P	Z	18:23:15.9	84.6	32.2	1.3	131	6.0
	e S	T	18:33:42.4					
BFO	e P	Z	18:23:17.4	84.9	33.6	1.2	186	6.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	20:33:19.4	71.770N	1.100W	33.0N	4.8	4.0		SZGRF
Jan Mayen Island region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 20:37:32.3	18.3	345.6	1.1	118	4.9		
BSEG	e P	Z 20:37:34.2	18.5	348.7	1.3	43	4.5		
NRDL	e P	Z 20:37:49.5	19.9	349.7	2.4	248	5.0		
RUE	e P	Z 20:37:54.5	20.4	346.7	2.0	270	5.1		
CLZ	e P	Z 20:37:57.0	20.6	349.8	1.4	83	4.9		
BUG	e P	Z 20:37:57.7	20.7	352.6	1.3	54	4.7		
CLL	e P	Z 20:38:05.4	21.4	347.9	1.5	49	4.6		
MOX	e P	Z 20:38:10.8	21.9	349.4	1.4	52	4.8		
BRG	e P	Z 20:38:11.2	22.0	347.5	1.6	64	4.8		
TNS	e P	Z 20:38:12.2	22.0	352.0	2.0	172	5.1		
WERD	e P	Z 20:38:13.5	22.2	348.9	1.3	25	4.5		
WLF	e P	Z 20:38:15.9	22.4	354.0	1.2	37	4.7		
GRA1	e P	Z 20:38:19.9	22.8	350.1	1.1	27	4.7		
	e L	Z 20:46:46.2			21.1	598		4.0	
STU	e P	Z 20:38:27.6	23.5	351.9	1.2	38	4.8		
WET	e P	Z 20:38:28.2	23.5	349.1	2.3	86	4.9		
BFO	e P	Z 20:38:30.6	23.8	352.7	1.5	37	4.7		
GEC2	e P	Z 20:38:31.7	23.9	348.6	1.5	26	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	20:53:55.3	71.850N	0.560W	33.0G	4.9	4.2		SZGRF
Jan Mayen Island region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 20:58:05.2	18.3	346.2	1.3	240	5.2		
BSEG	e P	Z 20:58:08.9	18.5	349.3	1.2	48	4.6		
RUE	e P	Z 20:58:28.8	20.4	347.2	2.0	323	5.2		
CLZ	e P	Z 20:58:30.9	20.6	350.3	1.5	140	5.1		
BUG	e P	Z 20:58:32.2	20.7	353.1	1.4	60	4.7		
CLL	e P	Z 20:58:39.1	21.4	348.5	1.2	37	4.6		
MOX	e P	Z 20:58:44.6	21.9	349.9	1.5	113	5.1		
BRG	e P	Z 20:58:45.0	22.0	348.0	1.8	88	4.9		
TNS	e P	Z 20:58:46.0	22.0	352.5	1.9	206	5.2		
WERD	e P	Z 20:58:47.6	22.2	349.4	1.5	62	4.8		
WLF	e P	Z 20:58:49.6	22.4	354.5	1.2	48	4.8		
GRA1	e P	Z 20:58:55.3	22.8	350.6	1.5	77	5.0		

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	e L	Z	21:07:08.3				21.7	1000		4.2
STU	e P	Z	20:59:01.8	23.5	352.4	1.3		57	4.9	
WET	e P	Z	20:59:02.2	23.5	349.5	2.2		72	4.8	
BFO	e P	Z	20:59:04.7	23.9	353.2	1.3		23	4.6	
GEC2	e P	Z	20:59:06.2	23.9	349.1	1.6		26	4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/30	20:59:14.4	1.490S	98.290E	33.0N	5.3			SZGRF

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:11:58.8	87.6	95.1	1.5	37	5.5		
BRG	e P	Z 21:11:59.1	87.6	95.3	1.7	39	5.5		
RUE	e P	Z 21:12:00.1	87.8	95.3	1.3	75	5.9		
WET	e P	Z 21:12:01.7	88.1	94.4	1.7	36	5.4		
CLL	e P	Z 21:12:01.7	88.2	94.6	1.5	30	5.4		
WERD	e P	Z 21:12:03.5	88.6	94.0	1.1	9	4.9		
MOX	e P	Z 21:12:06.0	89.0	93.5	1.5	21	5.2		
FUR	e P	Z 21:12:06.1	89.1	93.2	1.1	18	5.2		
GRA1	e P	Z 21:12:07.4	89.2	93.2	1.8	71	5.6		
CLZ	e P	Z 21:12:09.9	89.9	92.6	1.9	46	5.4		
BSEG	e P	Z 21:12:10.5	90.0	92.5	1.6	22	5.1		
STU	e P	Z 21:12:12.6	90.5	91.7	1.5	18	5.2		
TNS	e P	Z 21:12:15.1	91.0	91.1	1.1	17	5.3		
WLF	e P	Z 21:12:22.3	92.5	89.3	1.3	10	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/31	07:20:16.6	5.390N	96.160E	33.0N	5.1			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 07:32:28.5	80.9	92.6	0.7	7	4.8		
GEC2	e P	Z 07:32:28.6	81.0	92.1	0.9	12	4.9		
CLL	e P	Z 07:32:31.2	81.5	92.0	1.2	7	4.7		
WET	e P	Z 07:32:31.4	81.5	91.5	0.8	8	4.9		
ROTZ	e P	Z 07:32:34.5	82.0	91.1	1.1	55	5.6		
MOX	e P	Z 07:32:36.0	82.4	90.8					
GRA1	e P	Z 07:32:37.5	82.6	90.4	0.9	14	5.2		
CLZ	e P	Z 07:32:39.9	83.2	90.0	0.9	14	5.2		
BSEG	e P	Z 07:32:40.4	83.2	90.2	0.9	16	5.2		
NRDL	e P	Z 07:32:40.6	83.3	89.8	0.9	9	5.0		
BFO	e P	Z 07:32:46.9	84.5	88.0	0.9	11	5.1		
IBBN	e P	Z 07:32:48.6	84.8	88.0	1.4	44	5.5		
BUG	e P	Z 07:32:50.2	85.1	87.5	1.0	19	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/31	08:18:27.0	15.143S	65.961E	33.0N	4.8			SZGRF

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:30:37.3	80.7	127.0	1.5	17	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/31	12:45:54.9	37.690N	67.730E	33.0N	4.7	4.4		SZGRF

Afghanistan-Tajikistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 12:53:24.5	39.7	87.9	1.1	20	4.7		
GEC2	e P	Z 12:53:26.4	40.0	85.3	1.3	10	4.3		
CLL	e P	Z 12:53:28.8	40.3	87.7	0.9	10	4.5		
WET	e P	Z 12:53:30.7	40.5	85.1	2.0	16	4.4		
WERD	e P	Z 12:53:33.2	40.8	86.2	1.3	14	4.5		
ROTZ	e P	Z 12:53:34.7	40.9	85.4	1.2	95	5.4		
MOX	e P	Z 12:53:36.9	41.2	85.9	1.3	19	4.7		
GRA1	e P	Z 12:53:40.3	41.5	84.6	0.9	18	4.8		
	e L	Z 13:15:52.4			19.2	533		4.4	
GRFO	e P	Z 12:53:40.3	41.5	84.6	0.9	15	4.7		
BSEG	e P	Z 12:53:42.3	41.8	88.7	1.1	19	4.7		
CLZ	e P	Z 12:53:42.5	41.9	86.4	1.7	35	4.8		
NRDL	e P	Z 12:53:43.7	42.0	86.9	0.9	14	4.7		
TNS	e P	Z 12:53:53.4	43.2	83.2	1.0	8	4.4		
IBBN	e P	Z 12:53:55.0	43.5	85.0	0.8	38	5.2		
WLF	e P	Z 12:54:05.7	44.8	81.1	1.1	37	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/08/31	19:05:15.7	29.191N	130.647E	33.0N	4.8			SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	- Z 19:17:35.9	82.9	51.3	1.1	28	5.4		
	e pP	Z 19:17:46.7							
	e sP	Z 19:17:50.5							
	e PP	Z 19:20:48.9							
	e L	Z 19:57:21.6			20.0	130		4.3	
GRA1	e P	Z 19:17:46.0	84.6	49.8	1.2	7	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