

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)

APRIL 2006 UPDATED 22.SEPTEMBER.2006

Please note that local events recorded in Germany are part of the "LOCAL BULLETIN".

(Format description at the end of the bulletin)

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	05:15:31.2	30.020S	176.660W	33.0N		5.6		SZGRF
Kermadec Islands region								
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb MS ML
BSEG	e PKPbc	Z	05:35:31.6	155.6	14.7			
IBBN	e PKPab	Z	05:35:56.5	157.5	10.0			
CLZ	e PKPab	Z	05:35:56.0	157.6	16.1			
BRG	e PKPdf	Z	05:35:25.9	157.7	24.8			
	e PKPab	Z	05:35:56.4					
BUG	e PKPab	Z	05:35:58.9	158.4	9.3			
MOX	e PKPab	Z	05:36:00.0	158.5	19.8			
WERD	e PKPdf	Z	05:35:27.2	158.5	21.6			
	e PKPab	Z	05:35:59.4					
UBBA	e PKPdf	Z	05:35:27.1	158.6	16.0			
MANZ	e PKPdf	Z	05:35:27.3	159.0	21.6			
	e PKPab	Z	05:36:02.6					
TNS	e PKPab	Z	05:36:03.5	159.4	12.7			
GRA1	e PKPdf	Z	05:35:27.6	159.4	19.8			
	e PKPab	Z	05:36:04.3					
	e PP	Z	05:39:45.7					
	e L	Z	06:52:25.2			20.3	868	5.6
WET	e PKPdf	Z	05:35:27.4	159.6	24.2			
	e PKPab	Z	05:36:04.9					
GEC2	e PKPdf	Z	05:35:27.9	159.6	26.5			
	e PKPab	Z	05:36:05.1					
WLF	e PKPab	Z	05:36:08.4	160.2	7.2			
FUR	e PKPab	Z	05:36:10.7	160.9	21.4			
BFO	e PKPdf	Z	05:35:32.0	161.3	13.6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	06:25:45.3	27.880S	177.280W	33.0N				SZGRF

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z 06:45:55.3	153.4	15.1					
RUE	e PKPab	Z 06:45:57.4	154.1	22.8					
IBBN	e PKPab	Z 06:46:04.2	155.3	10.7					
CLZ	e PKPab	Z 06:46:04.2	155.4	16.4					
BRG	e PKPab	Z 06:46:03.6	155.5	24.5					
MOX	e PKPab	Z 06:46:06.6	156.3	19.8					
WERD	e PKPab	Z 06:46:08.1	156.3	21.5					
UBBA	e PKPab	Z 06:46:08.8	156.4	16.3					
TNS	e PKPab	Z 06:46:11.0	157.2	13.2					
GRA1	e PKPab	Z 06:46:12.7	157.2	19.7					
WET	e PKPab	Z 06:46:13.2	157.3	23.9					
STU	e PKPab	Z 06:46:17.6	158.5	15.8					
FUR	e PKPab	Z 06:46:18.5	158.7	21.2					
BFO	e PKPab	Z 06:46:19.0	159.1	14.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	10:02:19.7	22.020N	121.130E	33.0N	6.5	6.4		SZGRF

Taiwan region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 10:14:36.8	81.9	63.1	1.4	366	6.3		
	e S	T 10:24:49.3							
RUE	e P	Z 10:14:40.7	82.6	63.2	1.2	300	6.4		
	e S	T 10:24:56.8							
BRG	e P	Z 10:14:44.0	83.2	63.1	2.0	683	6.5		
	e PP	Z 10:17:54.4							
	e S	T 10:25:03.4							
BSEG	e P	Z 10:14:46.5	83.7	60.7	1.8	428	6.4		
	e PP	Z 10:17:59.5							
	e S	T 10:25:08.7							
GEC2	e P	Z 10:14:49.7	84.3	62.7	1.4	212	6.2		
	e S	T 10:25:14.2							
WERD	e P	Z 10:14:49.7	84.3	61.9	1.9	436	6.4		
WET	e P	Z 10:14:51.7	84.6	62.2	2.0	632	6.5		
	e PP	Z 10:18:06.5							
	e S	T 10:25:16.9							
MOX	e P	Z 10:14:51.2	84.6	61.4	1.9	479	6.4		
	e PP	Z 10:18:07.0							
	e S	T 10:25:18.3							
MANZ	e P	Z 10:14:51.9	84.7	61.7	2.1	674	6.5		
	e S	T 10:25:18.2							

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CLZ	e P	Z	10:14:52.0	84.7	60.5	1.8	647	6.6		
	e S	T	10:25:18.5							
HLG	e P	Z	10:14:52.2	84.8	58.8	1.6	644	6.6		
	e S	T	10:25:21.6							
GRA1	e P	Z	10:14:55.1	85.3	61.0	1.9	993	6.6		
	e PP	Z	10:18:13.5							
	e S	T	10:25:24.6							
	e L	Z	10:58:35.0			20.8	15453		6.4	
UBBA	e P	Z	10:14:55.1	85.4	60.2	2.0	580	6.4		
	e PP	Z	10:18:12.5							
	e S	T	10:25:26.0							
FUR	e P	Z	10:14:58.8	86.0	60.9	2.0	1316	6.7		
	e S	T	10:25:34.0							
BUG	e P	Z	10:15:00.8	86.6	58.1	1.7	557	6.4		
	e S	T	10:25:37.7							
TNS	e P	Z	10:15:01.3	86.6	59.0	2.1	579	6.3		
	e PP	Z	10:18:22.8							
	e S	T	10:25:37.9							
STU	e P	Z	10:15:02.6	86.9	59.4	2.1	534	6.3		
	e PP	Z	10:18:26.4							
	e S	T	10:25:40.1							
BFO	e P	Z	10:15:05.8	87.6	58.8	2.2	429	6.4		
	e PP	Z	10:18:30.6							
	e S	T	10:25:47.2							
WLF	e P	Z	10:15:08.8	88.1	57.2	1.9	670	6.7		
	e S	T	10:25:53.2							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/01 10:34:45.4 2.250N 95.860E 28.9 5.1 SZGRF
 Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	10:47:08.9	83.1	94.4	1.1	21	5.3		
BRG	e P	Z	10:47:09.0	83.2	94.9	1.4	19	5.1		
RUE	e P	Z	10:47:10.3	83.4	94.9	0.8	18	5.4		
WET	e P	Z	10:47:12.0	83.7	93.8	1.5	21	5.2		
WERD	e P	Z	10:47:13.9	84.2	93.5	0.9	6	4.8		
MANZ	e P	Z	10:47:15.0	84.3	93.3	1.1	18	5.2		
MOX	e P	Z	10:47:16.4	84.6	93.0	1.9	46	5.4		
GRA1	e P	Z	10:47:17.8	84.8	92.6	1.4	47	5.5		
	e pP	Z	10:47:26.1							
BSEG	e P	Z	10:47:21.1	85.6	92.3	1.3	16	5.0		
TNS	e P	Z	10:47:26.8	86.6	90.5	1.1	15	5.0		
BFO	e P	Z	10:47:26.4	86.7	90.3	0.8	5	4.6		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	10:40:37.6	39.507N	146.648E	33.0N	5.0			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:52:57.6	82.6	33.1	1.5	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:01:48.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	11:26:38.6	20.640S	168.950E	33.0N				SZGRF

Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERD	e PKPbc	Z 11:46:11.2	145.0	40.3					
IBBN	e PKPbc	Z 11:46:11.5	145.1	31.9					
MANZ	e PKPbc	Z 11:46:12.7	145.4	40.4					
GEC2	e PKPbc	Z 11:46:13.0	145.6	43.8					
GRA1	e PKPbc	Z 11:46:14.9	146.0	39.4					
TNS	e PKPbc	Z 11:46:16.6	146.6	34.6					
STU	e PKPbc	Z 11:46:19.4	147.5	37.1					
WLF	e PKPbc	Z 11:46:20.8	147.9	31.4					
BFO	e PKPbc	Z 11:46:20.8	148.2	36.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	11:29:55.8	29.576S	177.117W	10G	5.1			NEIC

Kermadec Islands, New Zealand

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:50:30.0	159.0	21.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	12:06:36.8	17.060S	173.950W	10A	4.8			NEIC

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z 12:26:17.3	145.0	15.7					

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MOX	e	PKPbc	Z	12:26:20.6	145.6	11.9
WERD	e	PKPbc	Z	12:26:20.4	145.7	13.2
MANZ	e	PKPbc	Z	12:26:20.8	146.2	13.0
TNS	e	PKPbc	Z	12:26:22.8	146.3	6.7
GRA1	e	PKPbc	Z	12:26:24.1	146.6	11.6
GEC2	e	PKPbc	Z	12:26:23.0	147.0	16.2
BFO	e	PKPbc	Z	12:26:27.2	148.2	6.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	13:49:54.8	42.640N	147.563E	41.8	4.1			SZGRF
Off southeast coast of Hokkaido, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:02:01.7	80.1	31.0	1.1	3	4.1		
	e pP	Z 14:02:13.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	16:42:27.0	44.489N	9.828E	10.0G			3.8	SZGRF
Northern Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pn	Z 16:43:13.5	2.8	180.8					3.6
	e Sn	N 16:43:45.8							
WTTA	e Pn	Z 16:43:16.3	3.0	205.1					3.7
	e Sn	N 16:43:51.9							
KBA	e Pn	Z 16:43:23.1	3.6	224.7					3.7
	e Sn	N 16:44:04.5							
OBKA	e Pn	Z 16:43:25.7	3.9	240.3					3.9
	e Sn	N 16:44:11.9							
BFO	e Pn	N 16:43:28.1	4.0	164.4					
	e Sn	E 16:44:13.9							3.7
MOA	e Pn	Z 16:43:36.2	4.6	224.1					3.8
	e Sn	E 16:44:28.0							
ARSA	e Pn	Z 16:43:39.4	4.8	237.2					
WET	e Pn	Z 16:43:42.5	5.1	205.3					3.6
	e Sn	E 16:44:40.1							
GEC2	e Pn	Z 16:43:42.2	5.1	212.8					3.7
	e Sn	N 16:44:39.3							
GRA1	e Sn	E 16:44:44.6	5.3	190.9					3.8
TNS	e Pn	Z 16:43:53.1	5.8	170.2					3.9
	e Sn	N 16:44:56.9							
MOX	e Pn	Z 16:43:57.5	6.3	191.8					3.8
	e Sn	E 16:45:08.0							
CLZ	e Pn	Z 16:44:13.3	7.4	183.0					3.9

Date Origin Time
2006/04/01 17:55:59.6
Kermadec Islands region

Lat Long Depth mb Ms ML Source
29.700S 176.900W 33.0N GSRC

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z	18:15:52.8	157.2	22.7					
	e PKPdif	Z	18:16:03.8			2.0	47			
	e PKPab	Z	18:16:23.9			1.8	51			
	e PP	Z	18:19:58.8							
	e SKKSac	N	18:26:48.1							
	e SKKSdf	Z	18:31:28.7							
	e SS	E	18:39:59.1							
	e LR	Z	19:11:25.6							
	e L	Z	19:36:54.1			18.0	824		5.6	
GRA1	e PKPab	Z	18:16:31.3	159.1	20.1					

Date Origin Time
2006/04/01 20:57:25.7
Tonga Islands region

Lat Long Depth mb Ms ML Source
18.908S 171.976W 33.0N SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	21:16:58.2	144.9	3.8					
RUE	e PKPbc	Z	21:17:01.8	146.1	9.8					
IBBN	e PKPbc	Z	21:17:03.6	146.6	359.5					
CLZ	e PKPbc	Z	21:17:04.4	147.0	4.1					
CLL	i PKPbc	+ Z	21:17:05.3	147.4	8.8	0.9	42			
	e pPKPbc	Z	21:17:28.3							
	e LR	Z	22:11:25.4							
	e L	Z	22:22:08.0			20.0	206		4.9	
BUG	e PKPbc	Z	21:17:05.7	147.5	358.7					
BRG	e PKPbc	Z	21:17:06.2	147.7	10.5					
	e PKPab	Z	21:17:08.9							
UBBA	e PKPbc	Z	21:17:06.0	148.1	3.5					
MOX	e PKPbc	Z	21:17:07.3	148.1	6.4					
	e PKPab	Z	21:17:11.0							
WERD	e PKPbc	Z	21:17:07.8	148.3	7.7					
	e PKPab	Z	21:17:11.5							
TNS	e PKPbc	Z	21:17:09.1	148.7	0.8					
MANZ	e PKPbc	Z	21:17:09.4	148.8	7.5					
GRA1	e PKPbc	Z	21:17:10.4	149.1	5.9					
	e PKPab	Z	21:17:15.1							
	e PP	Z	21:20:41.2							
WET	e PKPbc	Z	21:17:10.3	149.5	9.1					
	e PKPab	Z	21:17:16.0							
GEC2	e PKPbc	Z	21:17:11.3	149.7	10.7					

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STU	e PKPbc	Z	21:17:12.6	150.1	2.2
	e PKPab	Z	21:17:19.3		
BFO	e PKPbc	Z	21:17:13.5	150.6	0.6
FUR	e PKPbc	Z	21:17:13.7	150.6	6.3
	e PKPab	Z	21:17:21.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/01	21:44:33.4	3.810N	126.227E	71.0				NEIC
Talaud Islands, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 21:58:24.1	103.0	67.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/02	00:37:22.0	33.348N	138.466E	33.0N	4.3			SZGRF
Southeast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:49:53.1	84.7	41.9	1.0	4	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/02	05:08:45.4	24.893N	121.170E	33.0N	5.0			SZGRF
Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:21:08.1	83.1	59.2	1.1	11	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/02	05:23:30.3	5.100S	152.600E	70.0N				GSRC
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 05:42:24.1	124.8	49.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/02	06:44:33.0	35.000N	3.600E	10.0G		4.1		NEIC
Northern Algeria								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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DAVA	e Pn	Z	06:47:42.2	13.2	203.2						
WTTA	e Pn	Z	06:47:48.8	13.7	209.0						
OBKA	e Pn	Z	06:47:53.5	14.2	219.5						
MOA	e Pn	Z	06:48:06.6	15.1	215.6						
ARSA	e Pn	Z	06:48:08.6	15.2	220.3						
GRA1	e Pn	Z	06:48:11.8	15.7	203.6						
	e L	Z	06:53:38.3			21.4		1296		4.1	
GEC2	e Pn	Z	06:48:12.9	15.7	212.0						
CLL	e P	Z	06:48:38.8	17.7	206.2	2.2		182			
	e S	Z	06:51:59.6								
	e L	Z	06:54:47.1			20.0		1025		4.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/02 07:22:50.4 38.663N 143.899E 33.0N 5.0
 Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:35:09.0	82.3	35.4	0.9	8	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/02 08:30:41.1 4.600N 94.950E 33.0N 5.4 4.9
 Off west coast of northern Sumatra, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:42:51.7	80.8	94.1	1.8	54	5.3		
GEC2	e P	Z	08:42:52.0	80.8	93.6	1.3	51	5.4		
RUE	e P	Z	08:42:53.2	81.0	94.2	1.8	121	5.6		
WET	e P	Z	08:42:55.1	81.3	93.0	1.6	34	5.1		
CLL	i P	- Z	08:42:55.5	81.4	93.4	1.9	46	5.2		
	e pP	Z	08:43:03.2							
	e (PP)	E	08:46:15.2							
	e S	N	08:53:15.0							
	e L	Z	09:28:00.7			20.0	601		5.0	
WERD	e P	Z	08:42:57.2	81.8	92.7	2.2	60	5.3		
MANZ	e P	Z	08:42:58.1	81.9	92.5	1.2	31	5.3		
MOX	e P	Z	08:42:59.8	82.2	92.2	1.9	56	5.4		
GRA1	e P	Z	08:43:01.2	82.4	91.8	0.9	29	5.4		
	e L	Z	09:26:07.4			21.4	515		4.9	
CLZ	e P	Z	08:43:03.9	83.0	91.4	1.0	14	5.1		
BSEG	e P	Z	08:43:04.3	83.1	91.6	1.9	68	5.6		
TNS	e P	Z	08:43:09.9	84.2	89.7	0.8	15	5.3		
BFO	e P	Z	08:43:09.9	84.3	89.5	2.2	65	5.5		
IBBN	e P	Z	08:43:12.1	84.6	89.4	1.6	75	5.7		
BUG	e P	Z	08:43:13.8	85.0	88.9	1.2	31	5.4		

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WLF e P Z 08:43:17.9 85.7 87.9 1.7 64 5.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/02 09:29:31.3 22.600S 175.300W 33.0N
Tonga Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 09:49:35.9 152.4 13.1

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/02

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 23:20:08.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/03 00:49:47.9 38.068N 21.667E 10.0G 4.0
Greece

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GEC2 e Pn Z 00:52:39.9 12.2 149.0
e Sn E 00:54:51.7
FUR e Pn Z 00:52:46.8 12.6 139.4
e Sn N 00:54:59.8
WET e Pn Z 00:52:46.5 12.8 147.0
MANZ e Pn Z 00:53:00.1 13.7 146.6
GRA1 e Pn Z 00:53:02.4 13.8 143.3
e Sn N 00:55:28.8
e L Z 00:59:45.0 20.1 1328 4.0
BFO e Pn Z 00:53:06.4 14.1 131.8
MOX e Pn Z 00:53:09.0 14.5 146.6
TNS e Pn Z 00:53:23.3 15.4 137.2
e Sn N 00:56:03.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/03 01:36: 9.1 40.097N 146.687E 33.0N 4.6
Off east coast of Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 01:48:26.4 82.0 32.8 1.4 6 4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/03	01:41:23.7	28.845S	178.062W	35G	4.9	4.9		NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 02:01:15.3	156.1	24.5					
	e PKPab	Z 02:01:37.5							
	e pPKPab	Z 02:01:47.9							
	e L	Z 03:12:40.8			22.0	224		4.9	
BRG	e PKPab	Z 02:01:37.7	156.2	26.9					
FBE	e PKPab	Z 02:01:37.8	156.3	25.6					
NEUB	e PKPab	Z 02:01:39.4	156.5	22.1					
TANN	e PKPab	Z 02:01:41.9	157.0	24.2					
WERD	e PKPab	Z 02:01:42.6	157.0	23.9					
MOX	e PKPab	Z 02:01:41.7	157.0	22.2					
WERN	e PKPab	Z 02:01:43.2	157.2	24.2					
GEC2	e PKPab	Z 02:01:47.2	158.1	28.6					
WET	e PKPab	Z 02:01:47.6	158.1	26.5					
GRA1	e PKPab	Z 02:01:47.0	158.0	22.2					
	e pPKPab	Z 02:01:58.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/03	16:04:39.9	14.900S	176.200W	33.0N		4.7		GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 16:24:09.7	143.1	16.5					
MOX	e PKPdf	Z 16:24:10.2	143.7	12.8					
UBBA	e PKPdf	Z 16:24:11.9	143.7	10.2					
MANZ	e PKPdf	Z 16:24:12.8	144.3	13.8					
TNS	e PKPdf	Z 16:24:14.1	144.5	7.7					
GRA1	e PKPdf	Z 16:24:13.9	144.7	12.5					
	e L	Z 17:27:01.5			20.6	138		4.7	
GEC2	e PKPdf	Z 16:24:15.1	145.1	16.9					
WLF	e PKPdf	Z 16:24:15.2	145.2	4.0					
BFO	e PKPdf	Z 16:24:13.1	146.4	7.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/03	19:12:50.1	9.500S	166.100E	33.0N		5.0		GSRC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z 19:31:57.4	131.5	32.7					

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BRG	e	PKP	Z	19:32:01.5	132.7	38.8						
CLZ	e	PKP	Z	19:31:59.8	133.3	33.8						
MOX	e	PKP	Z	19:32:02.3	133.8	36.1						
MANZ	e	PKP	Z	19:32:03.8	134.1	37.1						
GEC2	e	PKP	Z	19:32:04.8	134.4	39.7						
GRA1	e	PKP	Z	19:32:05.1	134.7	36.1						
	e	L	Z	20:35:39.7			21.0		301		5.0	
TNS	e	PKP	Z	19:32:06.6	135.3	32.2						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/03

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:40:29.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/03

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 20:46:51.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/03

21:12:27.9
Southeast of Honshu, Japan

31.373N	139.587E	33.0N	4.8					SZGRF	
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:25:09.7	86.9	42.1	1.4	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/04

02:13:40.7
Mozambique

19.804S	34.978E	33.0N	4.7					SZGRF	
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:25:05.3	72.6	156.6	0.9	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/04

02:30:29.2
Off coast of Jalisco, Mexico

18.450N	107.050W	33.0N	5.2	5.7				SZGRF
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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e S	T 02:54:21.0	90.0	299.3					
	e SS	T 03:00:11.5							
BSEG	e P	Z 02:43:28.2	90.1	302.6	1.1	24	5.4		
	e S	T 02:54:18.3							
TNS	e S	T 02:54:30.2	91.0	301.1					
	e SP	R 02:55:38.7							
	e SS	T 03:00:31.2							
CLZ	e P	Z 02:43:33.5	91.2	302.6	1.4	19	5.2		
UBBA	e S	T 02:54:33.7	91.6	302.3					
	e SS	T 03:00:39.3							
BFO	e P	Z 02:43:33.1	91.9	301.0	1.0	8	5.1		
	e S	T 02:54:36.1							
	e SP	R 02:55:50.1							
STU	e P	Z 02:43:35.7	92.2	301.6	0.8	14	5.5		
	e SS	T 03:00:45.4							
MOX	e P	Z 02:43:39.0	92.5	303.6					
	e S	T 02:54:42.3							
	e SP	R 02:55:57.1							
	e SS	T 03:00:53.3							
RUE	e SP	R 02:55:56.5	92.6	305.4					
GRFO	e SP	R 02:56:03.5	92.8	303.2					
GRA1	e P	Z 02:43:38.8	92.8	303.2	1.0	7	5.0		
	e S	T 02:54:44.7							
	e SP	R 02:56:00.1							
	e SS	T 03:00:59.4							
	e L	Z 03:25:15.6			19.4	2380		5.7	
CLL	e P	Z 02:43:40.8	92.9	304.7	0.8	5	5.0		
	e SS	T 03:00:59.5							
MANZ	e P	Z 02:43:41.7	93.1	303.9	1.0	11	5.2		
	e SP	R 02:56:00.7							
ROTZ	e SP	R 02:56:06.4	93.3	304.0					
	e SS	T 03:01:03.2							
	e S	T 02:54:53.6	93.6	305.4					
BRG	e SP	R 02:56:10.0							
	e SS	T 03:01:04.5							
	e P	Z 02:43:43.2	93.7	303.2	1.1	32	5.6		
	e S	T 02:54:52.7							
FUR	e SP	R 02:56:09.8							
	e SS	T 03:01:06.6							
	e S	T 02:54:55.7	94.0	304.5					
WET	e SP	R 02:56:15.7							
	e S	T 02:54:55.7	94.0	304.5					
GEC2	e SP	R 02:56:23.5	94.6	305.1					
	e S	T 02:54:55.7	94.0	304.5					
	e SS	T 03:01:17.7							

Off west coast of northern Sumatra, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 10:49:34.6	85.1	95.3	1.3	48	5.6		
BRG	e P	Z 10:49:34.6	85.2	95.7	1.6	47	5.5		
RUE	e P	Z 10:49:36.0	85.4	95.7	1.4	86	5.8		
WET	e P	Z 10:49:37.4	85.7	94.7	1.2	31	5.3		
CLL	e P	Z 10:49:37.5	85.8	95.0	1.1	19	5.1		
WERD	e P	Z 10:49:39.5	86.2	94.4	1.0	15	5.1		
ROTZ	e P	Z 10:49:40.1	86.2	94.2	1.1	86	5.8		
MANZ	e P	Z 10:49:40.7	86.2	94.2	1.1	144	6.0		
MOX	e P	Z 10:49:41.7	86.6	93.8	1.5	31	5.2		
GRA1	e P	Z 10:49:43.1	86.8	93.5	1.2	40	5.4		
	e pP	Z 10:49:53.7							
CLZ	e P	Z 10:49:45.7	87.5	92.9	1.4	57	5.5		
BSEG	e P	Z 10:49:46.5	87.6	93.0	1.2	64	5.8		
UBBA	e P	Z 10:49:46.8	87.6	92.6	1.8	48	5.5		
TNS	e P	Z 10:49:51.5	88.6	91.4	1.1	28	5.4		
BFO	e P	Z 10:49:51.0	88.6	91.2	1.1	13	5.1		
IBBN	e P	Z 10:49:54.0	89.1	90.9	1.0	48	5.7		
BUG	e P	Z 10:49:55.4	89.4	90.5	0.8	28	5.6		
WLF	e P	Z 10:49:58.4	90.1	89.6	1.5	59	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/04	19:29:52.7	23.900N	123.620E	33.0N	4.9			SZGRF

Southwestern Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 19:42:16.1	83.1	60.1	0.8	3	4.6		
CLL	e P	Z 19:42:17.8	83.4	59.5	0.8	4	4.7		
GEC2	e P	Z 19:42:22.5	84.3	59.8	1.1	8	4.9		
CLZ	e P	Z 19:42:24.3	84.5	57.6	1.1	8	4.9		
WET	e P	Z 19:42:24.5	84.6	59.2	1.2	6	4.7		
ROTZ	e P	Z 19:42:24.6	84.6	58.7	1.1	22	5.3		
GRA1	e P	Z 19:42:27.5	85.2	58.0	0.9	10	5.0		
BUG	e P	Z 19:42:32.8	86.3	55.2	1.0	15	5.1		
BFO	e P	Z 19:42:38.4	87.5	55.8	1.4	11	5.0		
WLF	e P	Z 19:42:41.0	87.9	54.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/04	20:16:17.8	29.990S	176.570W	33.0G		5.4		SZGRF

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPab	Z 20:36:15.8	157.5	9.8					

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CLL	e PKPdf	Z	20:35:44.9	157.5	22.1				
	e PKPab	Z	20:36:15.3			1.6	40		
	e PP	Z	20:39:51.3						
	e SS	E	20:59:56.4						
	e L	Z	21:47:41.0			22.0	578	5.4	
CLZ	e PKPab	Z	20:36:14.3	157.6	15.9				
BRG	e PKPab	Z	20:36:16.0	157.7	24.6				
BUG	e PKPab	Z	20:36:19.2	158.4	9.0				
MOX	e PP	Z	20:39:57.7	158.5	19.6				
WERD	e PKPab	Z	20:36:19.0	158.5	21.4				
MANZ	e PKPab	Z	20:36:21.3	159.0	21.3				
ROTZ	e PKPab	Z	20:36:22.7	159.1	21.8				
TNS	e PKPab	Z	20:36:23.0	159.4	12.4				
GRA1	e PKPab	Z	20:36:24.0	159.4	19.5				
	e L	Z	21:52:22.0			20.3	579	5.4	
WET	e PKPab	Z	20:36:24.2	159.5	24.0				
GEC2	e PKPab	Z	20:36:24.6	159.6	26.3				
WLF	e PKPab	Z	20:36:27.3	160.2	7.0				
FUR	e PKPab	Z	20:36:30.5	160.9	21.1				
BFO	e PKPab	Z	20:36:31.0	161.3	13.3				
	e PP	Z	20:40:15.4						

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/04 22:05: 9.5 37.945N 21.035E 10.0G 4.8
 Southern Greece SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	22:08:00.3	12.1	151.4					
	e Sn	E	22:10:09.2							
WET	e Pn	Z	22:08:07.4	12.6	149.3					
ROTZ	e Pn	Z	22:08:16.5	13.4	148.5					
	e Sn	N	22:10:39.7							
MANZ	e Pn	Z	22:08:19.6	13.6	148.7					
GRA1	e Pn	Z	22:08:23.4	13.7	145.4					
	e Sn	N	22:10:46.9							
	e L	Z	22:15:04.0			21.2	8344		4.8	
STU	e Sn	N	22:10:51.0	13.8	137.3					
BFO	e Pn	Z	22:08:24.5	13.9	133.7					
MOX	e Pn	Z	22:08:30.4	14.4	148.6					
	e Sn	N	22:11:01.1							
TNS	e Pn	Z	22:08:42.7	15.2	139.1					
	e Sn	E	22:11:23.0							
CLZ	e Pn	Z	22:08:51.0	15.8	147.5					

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/04/04 22:46:29.3 51.611N 31.199W 33.0N 4.3 SZGRF
Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:52:04.9	26.6	290.6	0.8	5	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05	01:20: 8.4	19.280S	176.790W	600.6				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 01:38:38.0	144.9	11.7					
RUE	e PKPbc	Z 01:38:40.6	145.8	17.9					
IBBN	e PKPbc	Z 01:38:43.6	146.8	7.9					
CLZ	e PKPbc	Z 01:38:44.1	147.0	12.5					
	e pPKPbc	Z 01:41:01.1							
CLL	e PKPbc	Z 01:38:43.9	147.1	17.2					
BRG	e PKPbc	Z 01:38:44.9	147.3	19.0					
BUG	e PKPbc	Z 01:38:45.8	147.7	7.2					
MOX	e PKPbc	Z 01:38:46.4	147.9	15.1					
WERD	e PKPbc	Z 01:38:47.2	148.0	16.4					
MANZ	e PKPbc	Z 01:38:48.1	148.5	16.2					
ROTZ	e PKPbc	Z 01:38:48.7	148.7	16.5					
TNS	e PKPbc	Z 01:38:49.0	148.8	9.6					
GRA1	e PKPbc	Z 01:38:49.9	148.9	14.8					
WET	e PKPbc	Z 01:38:50.0	149.1	18.0					
WLF	e PKPbc	Z 01:38:51.1	149.5	5.5					
STU	e PKPbc	Z 01:38:52.4	150.1	11.4					
	e pPKPbc	Z 01:41:09.6							
FUR	e PKPbc	Z 01:38:54.0	150.4	15.5					
BFO	e PKPbc	Z 01:38:53.6	150.7	9.9					
	e pPKPbc	Z 01:41:11.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:31:02.0			0.7	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05	15:40:56.9	21.500S	179.500W	654.8				SZGRF

Fiji Islands region

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Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	15:59:25.8	146.7	16.8					
RUE	e pPKPbc	Z	15:59:27.8	147.4	23.4					
CLL	e PKPdf	Z	15:59:27.1	148.6	22.8					
	i PKPbc	+ Z	15:59:31.2			0.8	20			
	e PKPab	Z	15:59:36.5							
	e pPKPbc	Z	16:01:49.2							
IBBN	e PKPbc	Z	15:59:31.3	148.7	13.1					
CLZ	e PKPbc	Z	15:59:30.2	148.7	17.9					
	e pPKPbc	Z	16:01:57.1							
BRG	e PKPbc	Z	15:59:31.8	148.8	24.7					
MOX	e PKPbc	Z	15:59:33.2	149.6	20.7					
BUG	e PKPbc	Z	15:59:33.8	149.6	12.5					
WERD	e PKPbc	Z	15:59:33.7	149.6	22.1					
MANZ	e PKPbc	Z	15:59:34.7	150.1	22.0					
ROTZ	e PKPbc	Z	15:59:35.3	150.3	22.4					
GRA1	e PKPbc	Z	15:59:35.9	150.6	20.6					
	e pPKP	Z	16:02:05.1							
TNS	e PKPbc	Z	15:59:36.0	150.6	15.2					
	e pPKPbc	Z	16:02:03.3							
WET	e PKPbc	Z	15:59:36.2	150.7	24.0					
WLF	e PKPbc	Z	15:59:38.3	151.5	11.1					
	e pPKPbc	Z	16:02:08.1							
BFO	e PKPbc	Z	15:59:39.8	152.4	15.9					
	e pPKPbc	Z	16:02:07.3							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/05 18:35:28.1 4.8 SZGRF
 Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	18:47:35.8			2.1	29	4.8		
BRG	e P	Z	18:47:18.1							
GRA1	e P	Z	18:47:26.4			1.0	6	4.5		
MANZ	e P	Z	18:47:23.2			1.0	19	5.2		
MOX	e P	Z	18:47:26.1			1.0	3	4.4		
ROTZ	e P	Z	18:47:23.5			1.2	30	5.3		
STU	e P	Z	18:47:33.6							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/05 19:03:55.3 29.300S 177.800W 170.0N 4.7 GSRC
 Kermadec Islands, New Zealand

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	19:24:09.0	158.5	21.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05	21:30:43.3	29.500S	177.300W	33.0N				GSRC

Kermadec Islands, New Zealand

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z	21:50:57.1	154.9	15.8					
RUE	e PKPab	Z	21:51:01.3	155.6	23.9					
IBBN	e PKPab	Z	21:51:05.9	156.9	11.3					
CLZ	e PKPab	Z	21:51:06.9	156.9	17.3					
BRG	e PKPab	Z	21:51:06.5	157.0	25.8					
MOX	e PKPab	Z	21:51:09.9	157.8	20.9					
WERD	e PKPab	Z	21:51:11.1	157.8	22.6					
ROTZ	e PKPab	Z	21:51:13.9	158.5	23.1					
GRA1	e PKPab	Z	21:51:15.0	158.8	20.9					
TNS	e PKPab	Z	21:51:14.6	158.8	14.0					
WET	e PKPab	Z	21:51:15.3	158.9	25.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05	22:50: 8.0				4.7			SZGRF

Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z	23:09:44.6			1.2	6	4.7		
	e pPKPab	Z	23:10:08.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/05	23:58:44.2	34.260N	167.420E	33.0N	5.2			SZGRF

North Pacific Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	00:11:40.6	89.6	18.8	1.1	20	5.3		
CLL	e P	Z	00:11:48.5	91.5	20.9	0.9	9	5.1		
CLZ	e P	Z	00:11:49.4	91.6	18.8	1.0	11	5.2		
IBBN	e P	Z	00:11:49.9	91.6	16.7	0.7	18	5.5		
BRG	e P	Z	00:11:50.4	91.7	21.7	1.3	16	5.2		
MOX	e P	Z	00:11:53.4	92.5	19.8	1.2	10	5.1		
WERD	e P	Z	00:11:54.4	92.5	20.4	1.0	7	5.0		
MANZ	e P	Z	00:11:55.9	93.0	20.2	1.2	25	5.5		
ROTZ	e P	Z	00:11:56.6	93.1	20.3	1.4	41	5.7		
GRA1	e P	Z	00:11:58.4	93.4	19.5	1.1	14	5.2		
TNS	e P	Z	00:11:57.8	93.5	17.3	1.0	9	5.1		
WET	e P	Z	00:11:58.9	93.6	20.9	1.4	18	5.2		

GEC2	e P	Z	00:11:58.7	93.7	21.5	1.3	8	4.9
FUR	e P	Z	00:12:04.6	94.9	19.6	1.0	16	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/06	04:43:11.1	51.634N	171.622W	33.0G	4.5			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:55:10.2	78.6	1.8	0.9	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/06	04:57:39.8	18.560S	177.150W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z 05:17:15.8	146.2	12.9					
CLL	e PKPbc	Z 05:17:16.5	146.3	17.5					
BRG	e PKPbc	Z 05:17:17.4	146.5	19.3					
WERD	e PKPbc	Z 05:17:19.7	147.2	16.7					
MANZ	e PKPbc	Z 05:17:21.1	147.7	16.6					
ROTZ	e PKPbc	Z 05:17:21.5	147.9	16.9					
TNS	e PKPbc	Z 05:17:21.6	148.0	10.1					
GRA1	e PKPbc	Z 05:17:22.4	148.2	15.2					
WET	e PKPbc	Z 05:17:22.6	148.4	18.3					
GEC2	e PKPbc	Z 05:17:22.5	148.5	20.0					
WLF	e PKPbc	Z 05:17:24.2	148.8	6.0					
BFO	e PKPbc	Z 05:17:26.1	149.9	10.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/06	12:03:7.2	24.748N	70.215E	33.0N	5.1			SZGRF

India-Pakistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 12:11:56.4	49.8	97.7	1.1	18	5.0		
BRG	e P	Z 12:11:58.7	50.0	99.5	1.2	23	5.1		
RUE	e P	Z 12:12:02.0	50.4	100.7	0.6	20	5.3		
WET	e P	Z 12:12:01.2	50.4	97.2	1.4	16	4.8		
ROTZ	e P	Z 12:12:05.4	50.9	97.2	1.2	74	5.6		
WERD	e P	Z 12:12:05.3	50.9	97.8					
MANZ	e P	Z 12:12:06.7	51.0	97.3	1.1	71	5.6		
MOX	e P	Z 12:12:09.2	51.4	97.4	1.0	20	5.1		
GRA1	e P	Z 12:12:10.3	51.5	96.3	1.5	71	5.5		
CLZ	e P	Z 12:12:16.0	52.3	97.3	1.1	13	4.9		

UBBA	e P	Z	12:12:16.7	52.4	96.2	1.3	12	4.8
BSEG	e P	Z	12:12:18.1	52.7	98.8	1.1	29	5.2
STU	e P	Z	12:12:17.8	52.8	94.0	1.1	21	5.1
BFO	e P	Z	12:12:21.9	53.3	93.0	1.1	8	4.7
TNS	e P	Z	12:12:21.6	53.4	94.5	1.1	15	4.9
IBBN	e P	Z	12:12:28.2	54.0	95.4	0.8	20	5.2
BUG	e P	Z	12:12:28.9	54.2	94.4			
WLF	e P	Z	12:12:33.6	54.8	92.2	1.1	18	5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/06

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 12:37:15.4							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/06 17:09:54.8 49.470N 150.660E 33.0N 5.5 4.5
Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 17:21:14.6	71.3	26.0	0.9	35	5.4		
CLL	e P	Z 17:21:23.6	73.0	27.2	0.9	85	5.8		
BRG	e P	Z 17:21:24.4	73.1	27.8	1.0	22	5.1		
CLZ	e P	Z 17:21:25.8	73.2	25.7	1.0	62	5.7		
IBBN	e P	Z 17:21:26.7	73.5	24.1	0.9	43	5.6		
WERD	e P	Z 17:21:29.6	73.9	26.7	1.0	24	5.3		
MOX	e P	Z 17:21:29.6	73.9	26.3					
BUG	e P	Z 17:21:31.8	74.4	23.7	1.0	38	5.5		
MANZ	e P	Z 17:21:32.3	74.4	26.5					
ROTZ	e P	Z 17:21:33.7	74.6	26.6					
GRA1	e P	Z 17:21:35.6	74.9	26.0	0.9	86	5.9		
	e L	Z 17:59:04.1			19.2	218		4.5	
WET	e P	Z 17:21:35.7	74.9	26.9	0.9	36	5.5		
GEC2	e P	Z 17:21:35.3	74.9	27.3	0.9	16	5.1		
TNS	e P	Z 17:21:36.7	75.2	24.3	0.9	40	5.6		
FUR	e P	Z 17:21:43.0	76.3	25.8	1.0	68	5.6		
WLF	e P	Z 17:21:43.8	76.3	22.9	0.9	18	5.1		
STU	e P	Z 17:21:43.8	76.3	24.6	0.9	51	5.5		
BFO	e P	Z 17:21:46.2	77.0	24.1	1.0	39	5.4		

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/06 17:59: 2.4 21.300N 71.710E 23.6 5.9 5.0
Southern India

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	18:08:19.8	53.2	99.5	1.4	178	5.8		
	e S	T	18:15:50.8							
BRG	e P	Z	18:08:21.7	53.5	101.2	1.1	189	6.0		
	e S	T	18:15:54.7							
WET	e P	Z	18:08:23.6	53.8	99.1	1.4	64	5.4		
	e S	T	18:15:59.1							
RUE	e P	Z	18:08:24.9	53.9	102.2	1.6	284	6.0		
	e S	T	18:15:59.2							
CLL	e P	Z	18:08:26.2	54.1	100.7	1.6	159	5.8		
ROTZ	e P	Z	18:08:28.1	54.4	98.9	1.4	620	6.5		
WERD	e P	Z	18:08:28.1	54.4	99.5	1.3	114	5.8		
FUR	e P	Z	18:08:30.7	54.7	97.0	1.0	102	5.8		
MOX	e P	Z	18:08:31.8	54.9	99.1	1.1	188	6.1		
GRA1	e P	Z	18:08:32.8	55.0	98.1	1.3	353	6.2		
	e pP	Z	18:08:39.2							
	e S	T	18:16:16.2							
CLZ	e L	Z	18:36:50.1	55.8	98.8	1.4	1128	5.9	5.0	
	e P	Z	18:08:38.7							
	e S	Z	18:16:24.0							
UBBA	e P	Z	18:08:39.8	55.9	97.8	1.7	242	6.0		
	e S	T	18:16:28.6							
STU	e P	Z	18:08:40.7	56.2	95.8	1.1	136	5.9		
BSEG	e P	Z	18:08:41.8	56.2	100.2	1.5	190	5.9		
BFO	e P	Z	18:08:44.1	56.7	94.8	1.0	25	5.2		
TNS	e P	Z	18:08:46.1	56.8	96.2	1.4	223	6.0		
	e S	T	18:16:40.4							
IBBN	e P	Z	18:08:51.3	57.5	96.9	1.4	248	6.0		
BUG	e P	Z	18:08:51.8	57.7	96.0	1.6	246	6.0		
	e S	T	18:16:48.5							
WLF	e P	Z	18:08:55.6	58.2	94.0	1.3	125	5.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/07 07:35:43.9 44.444N 9.738E 10.0G 3.6 SZGRF
 Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pn	Z	07:36:30.6	2.8	182.0					3.7
	e Sn	E	07:37:03.3							
WTTA	e Pn	Z	07:36:33.6	3.1	205.8					3.6
	e Sn	E	07:37:09.5							
KBA	e Pn	Z	07:36:40.1	3.6	225.0					3.4
	e Sn	N	07:37:23.0							
OBKA	e Sn	N	07:37:30.0	4.0	240.3					3.7
BFO	e Pn	Z	07:36:45.0	4.0	165.5					3.7
	e Sn	N	07:37:31.6							

	e SS	T	09:12:38.6		
	e SSS	T	09:17:55.0		
GEC2	e PKPbc	Z	08:50:19.6	145.0	28.7
	e SSS	T	09:17:50.4		
TNS	e PKPbc	Z	08:50:22.9	145.1	19.4
	e SS	T	09:12:39.4		
WLF	e PKPbc	Z	08:50:24.6	146.1	15.9
	e SSS	T	09:18:27.3		
STU	e PKPbc	Z	08:50:25.0	146.3	21.4
	e SS	T	09:12:52.7		
FUR	e PKPbc	Z	08:50:24.1	146.3	25.2
BFO	e PKPbc	Z	08:50:27.0	146.9	20.2
	e SS	T	09:13:00.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/07	14:01:17.5	44.397N	9.931E	10.0G			3.6	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	14:02:20.0	4.1	163.7					3.6
	e Sn	N	14:03:06.3							
GEC2	e Pn	Z	14:02:33.9	5.1	211.6					3.5
	e Sn	N	14:03:32.1							
TNS	e Pn	Z	14:02:44.6	5.9	169.7					3.7
	e Sn	N	14:03:50.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/07	15:00:12.9	46.460N	149.400E	82.3	5.5			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	15:11:40.9	73.8	28.0	0.9	69	5.7		
RUE	e P	Z	15:11:41.7	74.0	30.1	1.2	141	5.9		
CLL	e P	Z	15:11:48.4	75.3	29.4	1.1	112	5.9		
BRG	e P	Z	15:11:49.1	75.4	30.0	1.2	45	5.5		
CLZ	e P	Z	15:11:51.1	75.6	27.8	1.3	140	5.9		
IBBN	e P	Z	15:11:52.4	75.9	26.2	0.9	74	5.8		
WERD	e P	Z	15:11:54.3	76.3	28.9	1.1	27	5.3		
MOX	e P	Z	15:11:54.5	76.3	28.5	1.0	29	5.4		
UBBA	e P	Z	15:11:57.2	76.6	27.4	1.5	53	5.4		
	e pP	Z	15:12:18.0							
MANZ	e P	Z	15:11:57.1	76.7	28.7	1.0	21	5.2		
BUG	e P	Z	15:11:57.4	76.8	25.7	1.4	80	5.6		
	e pP	Z	15:12:19.3							
ROTZ	e P	Z	15:11:58.3	76.9	28.7	1.1	32	5.4		

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Thu Apr 23 08:38:25 2020

23

	e pP	Z	15:12:20.1							
GEC2	e P	Z	15:11:59.6	77.2	29.6	0.9	17	5.2		
	e pP	Z	15:12:21.4							
WET	e P	Z	15:12:00.1	77.2	29.1	1.0	41	5.5		
	e pP	Z	15:12:21.8							
GRA1	e P	Z	15:12:00.4	77.2	28.1	1.2	78	5.7		
TNS	e P	Z	15:12:01.9	77.6	26.4	1.1	34	5.4		
FUR	e P	Z	15:12:08.0	78.6	28.0	0.9	57	5.6		
STU	e P	Z	15:12:07.7	78.7	26.7	1.2	39	5.3		
WLF	e P	Z	15:12:08.4	78.7	24.9	1.0	41	5.4		
BFO	e P	Z	15:12:11.1	79.3	26.1	1.1	69	5.5		
	e pP	Z	15:12:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/07	19:58:45.5	23.650S	173.400W	10.0N				SZGRF

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 20:18:34.6	149.6	6.7					
RUE	e PKPbc	Z 20:18:38.0	150.7	13.5					
IBBN	e PKPbc	Z 20:18:39.8	151.3	2.2					
CLZ	e PKPbc	Z 20:18:40.6	151.7	7.3					
BRG	e PKPbc	Z 20:18:41.3	152.2	14.5					
BUG	e PKPbc	Z 20:18:41.4	152.2	1.3					
	e PKPab	Z 20:18:50.5							
MOX	e PKPbc	Z 20:18:42.4	152.7	10.1					
MANZ	e PKPbc	Z 20:18:43.6	153.3	11.3					
	e PKPab	Z 20:18:55.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/08	01:59:20.6	4.440N	95.327E	33.0N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:11:41.9	82.8	91.6	1.0	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/08								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:20:05.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/08	08:04:0.3	23.297S	179.052E	33.0G				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	08:22:47.9	148.2	19.9					
	e PKPab	Z	08:22:53.1							
RUE	e PKPbc	Z	08:22:49.7	148.7	26.7					
CLL	e PKPbc	Z	08:22:52.4	150.0	26.3					
BRG	e PKPbc	Z	08:22:52.7	150.1	28.3					
CLZ	e PKPbc	Z	08:22:53.0	150.2	21.2					
	e PKPab	Z	08:23:01.3							
IBBN	e PKPbc	Z	08:22:53.3	150.2	16.3					
	e PKPab	Z	08:23:02.0							
WERD	e PKPbc	Z	08:22:54.8	151.0	25.7					
	e PKPab	Z	08:23:04.8							
MOX	e PKPbc	Z	08:22:53.4	151.0	24.3					
	e PKPab	Z	08:23:04.6							
BUG	e PKPbc	Z	08:22:54.8	151.2	15.8					
UBBA	e PKPbc	Z	08:22:55.1	151.2	21.2					
MANZ	e PKPbc	Z	08:22:55.8	151.4	25.7					
ROTZ	e PKPbc	Z	08:22:56.1	151.6	26.1					
	e PKPab	Z	08:23:08.0							
GRA1	e PKPbc	Z	08:22:57.2	151.9	24.3					
WET	e PKPbc	Z	08:22:56.7	152.0	27.8					
	e PKPab	Z	08:23:09.5							
GEC2	e PKPbc	Z	08:22:56.2	152.0	29.6					
	e PKPab	Z	08:23:09.1							
TNS	e PKPbc	Z	08:22:57.2	152.1	18.7					
	e PKPab	Z	08:23:09.2							
WLF	e PKPbc	Z	08:22:59.9	153.1	14.5					
	e PKPab	Z	08:23:13.5							
STU	e PKPab	Z	08:23:14.3	153.3	21.1					
BFO	e PKPab	Z	08:23:17.1	153.9	19.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/08	22:03:22.4	1.090N	16.400W	33.0G	5.1	4.5		SZGRF

North of Ascension Island

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	22:12:24.6	51.8	212.1	0.9	19	5.0		
WLF	e PP	Z	22:14:23.6	52.3	209.0					
STU	e P	Z	22:12:29.7	52.5	213.0	0.8	17	5.0		
FUR	e P	Z	22:12:31.8	52.8	215.7	0.9	44	5.4		
	e PP	Z	22:14:30.0							
TNS	e P	Z	22:12:36.7	53.5	211.5	0.8	33	5.3		

	e PP	Z	22:14:36.8							
GRA1	e P	Z	22:12:40.6	54.0	215.0	0.8	20	5.2		
	e		22:12:45.8							
	e		22:12:53.8							
	e PP	Z	22:14:41.7							
	e L	Z	22:34:09.5			22.0	466		4.5	
BUG	e P	Z	22:12:41.3	54.2	209.7	0.8	15	5.1		
WET	e P	Z	22:12:41.8	54.2	217.1	0.9	24	5.2		
	e		22:12:55.7							
	e PP	Z	22:14:43.7							
GEC2	e P	Z	22:12:42.7	54.3	218.1	0.9	24	5.2		
	e PP	Z	22:14:45.1							
ROTZ	e P	Z	22:12:43.4	54.4	216.0	1.6	30	5.1		
UBBA	e P	Z	22:12:43.9	54.5	213.1	1.5	31	5.1		
	e PP	Z	22:14:47.1							
MANZ	e P	Z	22:12:44.5	54.6	215.8	0.9	13	5.0		
	e		22:12:59.0							
	e PP	Z	22:14:47.1							
MOX	e P	Z	22:12:47.2	54.9	215.0	0.9	22	5.2		
WERD	e P	Z	22:12:47.6	55.0	215.9	0.7	11	5.0		
IBBN	e P	Z	22:12:47.6	55.1	209.9	1.7	68	5.4		
CLZ	e PP	Z	22:14:54.4	55.5	213.1					
CLL	e P	Z	22:12:54.0	56.0	216.3	1.8	36	5.1		
	e PP	Z	22:14:59.4							
BRG	e P	Z	22:12:54.3	56.0	217.5	0.9	10	4.9		
	e		22:13:08.7							
	e PP	Z	22:14:59.8							
RUE	e P	Z	22:13:03.7	57.2	216.7	0.8	28	5.3		
	e PP	Z	22:15:10.4							
BSEG	e PP	Z	22:15:10.1	57.2	212.3					

Date 2006/04/09 Origin Time 00:37:18.1 Lat 42.680N Long 142.390E Depth 61.5 mb 4.7 Ms ML Source SZGRF
 Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	00:48:55.4	75.0	34.4	1.1	15	4.9		
CLL	e P	Z	00:49:01.1	76.3	35.8	0.9	7	4.8		
CLZ	e P	Z	00:49:04.8	76.8	34.1	0.8	6	4.8		
WERD	e P	Z	00:49:07.3	77.2	35.2	0.8	3	4.4		
IBBN	e P	Z	00:49:07.4	77.3	32.4	1.0	16	5.1		
MANZ	e P	Z	00:49:10.0	77.7	35.0	1.1	5	4.5		
UBBA	e P	Z	00:49:10.4	77.7	33.8	2.1	53	5.3		
ROTZ	e P	Z	00:49:10.8	77.8	35.1	1.0	4	4.4		
GEC2	e P	Z	00:49:11.2	78.0	35.9	0.8	1	4.2		
BUG	e P	Z	00:49:12.3	78.1	32.0	0.7	6	4.8		
GRA1	e P	Z	00:49:12.9	78.2	34.4	1.0	16	5.0		

	e pP	Z	00:49:29.9								
TNS	e P	Z	00:49:15.4	78.8	32.7	1.5		13	4.7		
FUR	e P	Z	00:49:19.6	79.5	34.3	0.8		8	4.8		
STU	e P	Z	00:49:21.0	79.7	33.0	0.9		10	4.8		
BFO	e P	Z	00:49:24.6	80.4	32.4	1.2		6	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:29:13.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	11:06:15.7	12.710S	13.500W	33.0N	4.8			SZGRF
Southern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 11:16:44.9	64.0	203.8	0.9	7	4.9		
STU	e P	Z 11:16:49.4	64.7	204.6					
WLF	e P	Z 11:16:49.6	64.7	201.3	1.1	8	4.9		
FUR	e P	Z 11:16:49.6	64.7	206.9	0.7	9	5.1		
TNS	e P	Z 11:16:55.8	65.8	203.6					
GRA1	e P	Z 11:16:58.3	66.1	206.5	1.3	7	4.7		
GEC2	e P	Z 11:16:58.0	66.1	209.2					
ROTZ	e P	Z 11:17:00.9	66.4	207.5	1.1	7	4.8		
MANZ	e P	Z 11:17:01.6	66.6	207.3	1.1	6	4.7		
UBBA	e P	Z 11:17:02.8	66.8	205.0	1.5	12	4.9		
MOX	e P	Z 11:17:04.6	67.0	206.7	0.9	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	14:58:15.0	19.030S	170.080E	33.0G				SZGRF
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERD	e PKPbc	Z 15:17:12.5	144.0	37.4					
IBBN	e PKPbc	Z 15:17:12.9	144.0	29.2					
MOX	e PKPbc	Z 15:17:12.6	144.1	36.3					
MANZ	e PKPbc	Z 15:17:13.9	144.4	37.5					
UBBA	e PKPbc	Z 15:17:14.3	144.5	33.7					
ROTZ	e PKPbc	Z 15:17:14.6	144.5	37.9					
GEC2	e PKPbc	Z 15:17:14.8	144.6	40.9					
BUG	e PKPbc	Z 15:17:15.5	144.9	29.1					
GRA1	e PKPbc	Z 15:17:15.9	145.0	36.5					

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TNS	e	PKPbc	Z	15:17:17.6	145.5	31.8
FUR	e	PKPbc	Z	15:17:20.4	146.2	37.9
STU	e	PKPbc	Z	15:17:20.6	146.5	34.1
WLF	e	PKPbc	Z	15:17:21.9	146.8	28.5
BFO	e	PKPbc	Z	15:17:22.2	147.2	33.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	16:27:47.0	13.100N	89.200W	70.0N	5.0			GSRC
El Salvador								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 16:40:08.0	83.5	282.6	1.3	19	5.2		
TNS	e P	Z 16:40:13.3	84.8	284.2	1.1	10	4.9		
BFO	e P	Z 16:40:16.0	85.2	284.3	1.8	24	5.1		
CLZ	e P	Z 16:40:17.5	85.5	285.6	1.8	27	5.2		
UBBA	e P	Z 16:40:17.9	85.6	285.3					
STU	e P	Z 16:40:17.5	85.6	284.9	0.5	9	5.3		
MOX	e P	Z 16:40:22.4	86.6	286.6	1.2	9	4.8		
GRA1	e P	Z 16:40:22.0	86.6	286.3	1.2	17	5.1		
WERD	e P	Z 16:40:25.3	87.1	287.1	1.1	8	4.7		
	e PP	Z 16:44:09.1							
ROTZ	e P	Z 16:40:25.2	87.2	287.1	1.8	19	4.9		
CLL	e P	Z 16:40:25.8	87.2	287.6	0.9	8	4.8		
	e PP	Z 16:44:09.4							
BRG	e P	Z 16:40:29.4	87.9	288.4	1.3	11	5.0		
GEC2	e P	Z 16:40:30.3	88.4	288.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	18:28:15.4	29.981N	128.900E	33.0N	5.0	5.1		SZGRF
Northwest of Ryukyu Islands, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:40:38.1	83.1	50.6	1.3	13	5.0		
	e L	Z 19:21:52.8			18.8	738		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	20:51: 1.2	18.240S	69.970W	33.0G	5.3	5.4		SZGRF
Northern Chile								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z 21:04:13.8	95.2	247.8	1.2	38	5.6		
	e PP	Z 21:08:10.9							
	e SP	Z 21:16:50.6							

BFO	e Pdiff	Z	21:04:16.1	96.1	249.3	1.1	6	5.0
	e PP	Z	21:08:17.7					
	e SP	Z	21:16:59.6					
BUG	e Pdiff	Z	21:04:19.7	96.5	248.8	1.2	29	5.5
	e PP	Z	21:08:21.3					
	e SP	Z	21:17:04.9					
STU	e Pdiff	Z	21:04:20.5	96.8	249.9	1.0	18	5.4
	e PP	Z	21:08:21.8					
	e SP	Z	21:17:06.8					
TNS	e Pdiff	Z	21:04:20.6	96.8	249.6	1.2	22	5.4
	e PP	Z	21:08:23.1					
	e SP	Z	21:17:08.1					
IBBN	e Pdiff	Z	21:04:22.9	97.1	249.3	0.8	22	5.6
	e PP	Z	21:08:26.4					
	e SP	Z	21:17:11.4					
FUR	e PP	Z	21:08:30.7	97.9	251.4			
	e SP	Z	21:17:17.2					
HLG	e PP	Z	21:08:30.2	97.9	249.6			
	e SP	Z	21:17:18.5					
UBBA	e Pdiff	Z	21:04:26.4	97.9	250.8	1.4	16	5.2
	e PP	Z	21:08:31.2					
	e SP	Z	21:17:21.1					
GRFO	e PP	Z	21:08:34.1	98.3	251.5			
	e SP	Z	21:17:25.3					
GRA1	e Pdiff	Z	21:04:27.5	98.3	251.5	1.1	18	5.5
	e PP	Z	21:08:34.0					
	e S	T	21:16:00.9					
	e SP	Z	21:17:25.3					
	e SS	T	21:22:51.4					
	e L	Z	21:45:59.5			21.8	1335	5.4
CLZ	e Pdiff	Z	21:04:28.3	98.5	251.2	1.1	22	5.6
	e PP	Z	21:08:36.6					
	e SP	Z	21:17:26.9					
MOX	e Pdiff	Z	21:04:29.1	98.9	252.0	1.0	3	4.8
	e PP	Z	21:08:38.0					
	e SP	Z	21:17:30.8					
ROTZ	e PP	Z	21:08:38.8	98.9	252.3			
	e SP	Z	21:17:32.0					
MANZ	e Pdiff	Z	21:04:30.0	98.9	252.2	1.2	13	5.3
	e PP	Z	21:08:39.6					
	e SP	Z	21:17:31.7					
BSEG	e Pdiff	Z	21:04:31.1	99.1	251.5	1.0	10	5.4
	e PP	Z	21:08:39.6					
	e SP	Z	21:17:31.2					
GEC2	e PP	Z	21:08:42.6	99.6	253.2			
	e SP	Z	21:17:36.1					
CLL	e Pdiff	Z	21:04:34.7	99.9	253.1	1.4	12	
	e pPdiff	Z	21:04:45.7					
	e PP	Z	21:08:42.7					

	e pPP	Z	21:08:53.3								
	e sPP	Z	21:08:57.6								
	e SKSac	R	21:15:23.4								
	e Sdiff	T	21:16:13.4								
	e PS	R	21:17:57.1								
	e SS	T	21:23:16.7								
	e SSS	T	21:27:07.3								
	e L	Z	21:46:58.7			22.0	2336			5.7	
BRG	e PP	Z	21:08:49.5	100.3	253.7						
	e SP	Z	21:17:46.4								
RUE	e PP	Z	21:08:51.2	100.7	253.9						
	e SP	Z	21:17:50.1								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	23:27: 6.2	34.440N	28.064E	10.0G	5.0	4.5		SZGRF
Eastern Mediterranean Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e P	Z	23:31:21.0	18.6	131.5	1.0	116	5.1		
ROTZ	e P	Z	23:31:29.4	19.2	136.8	0.8	67	4.9		
BRG	e P	Z	23:31:31.9	19.4	142.6	0.9	46	4.7		
MANZ	e P	Z	23:31:32.1	19.4	137.1	1.5	174	5.1		
GRA1	e P	Z	23:31:34.5	19.6	134.7	1.2	219	5.3		
	e L	Z	23:40:36.0			18.7	2288		4.5	
WERD	e P	Z	23:31:34.8	19.7	138.4	1.0	80	4.9		
STU	e P	Z	23:31:38.2	20.0	128.8	0.7	90	5.1		
CLL	i P	Z	23:31:38.8	20.1	141.4	1.5	256	5.2		
	e PP	Z	23:31:51.7							
	e S	E	23:35:16.9							
	e SS	E	23:35:26.7							
	e L	Z	23:40:14.5			20.0	1535		4.3	
MOX	e P	Z	23:31:40.9	20.1	137.3	1.5	245	5.2		
BFO	e P	Z	23:31:40.8	20.2	126.2	1.3	62	4.7		
RUE	e P	Z	23:31:45.8	20.7	144.9	0.8	145	5.4		
UBBA	e P	Z	23:31:49.4	21.0	134.4	1.3	33	4.5		
TNS	e P	Z	23:31:51.7	21.3	130.3	0.9	162	5.4		
CLZ	e P	Z	23:31:54.0	21.5	137.0	0.8	23	4.7		
WLF	e P	Z	23:31:59.0	22.1	125.2	0.8	50	5.0		
BUG	e P	Z	23:32:07.8	22.7	130.5	1.0	80	5.2		
BSEG	e P	Z	23:32:11.3	23.1	140.2	0.9	37	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/09	23:48:19.2	5.600S	147.883E	181D	5.1			NEIC
Eastern New Guinea, Papua New Guinea, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	00:06:48.2	120.7	51.5					
BRG	e PKPdf	Z	00:06:49.2	120.7	56.6					
CLL	e PKPdf	Z	00:06:49.1	121.0	55.4					
WERD	e PKPdf	Z	00:06:50.9	121.8	55.2					
GEC2	e PKPdf	Z	00:06:51.0	122.0	57.4					
CLZ	e PKPdf	Z	00:06:50.6	122.0	52.5					
MOX	e PKPdf	Z	00:06:51.2	122.1	54.4					
MANZ	e PKPdf	Z	00:06:52.0	122.2	55.2					
GRA1	e PKPdf	Z	00:06:52.6	122.8	54.5					
FUR	e PKPdf	Z	00:06:54.8	123.7	55.4					
TNS	e PKPdf	Z	00:06:54.8	123.9	51.4					
STU	e PKPdf	Z	00:06:56.2	124.4	52.9					
BFO	e PKPdf	Z	00:06:56.9	125.2	52.3					
WLF	e PKPdf	Z	00:06:57.0	125.4	49.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	00:16:47.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	00:21:25.2	37.023N	140.424E	75.0	4.8			SZGRF
Eastern Honshu, Japan								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:33:38.9	82.4	38.6	1.3	9	4.8		
	e pP	Z	00:33:59.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	02:36:37.3	0.296S	100.623E	89.7	4.9			SZGRF
Southern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:49:33.1	89.8	90.6	1.0	8	4.9		
	e		02:49:57.0			1.0	8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	04:06: 9.6	8.237N	71.724W	33.0N	4.7			SZGRF
Venezuela								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	04:17:53.3	75.9	266.1	1.3	19	5.1		
BFO	e P	Z	04:18:01.0	77.3	268.1	1.2	6	4.6		
TNS	e P	Z	04:18:02.2	77.4	267.8	0.9	8	4.8		
CLZ	e P	Z	04:18:06.4	78.7	268.9	0.9	9	4.8		
BSEG	e P	Z	04:18:08.7	78.7	268.5	0.7	9	4.9		
GRA1	e P	Z	04:18:10.7	79.2	270.0	0.6	6	4.8		
MOX	e P	Z	04:18:14.7	79.4	270.1	1.3	8	4.6		
MANZ	e P	Z	04:18:15.7	79.7	270.6	1.0	5	4.4		
WERD	e P	Z	04:18:15.5	79.9	270.7	1.7	13	4.6		
GEC2	e P	Z	04:18:18.8	80.8	272.0	1.1	6	4.5		
BRG	e P	Z	04:18:21.4	80.9	271.9	0.8	3	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	06:26:13.0	7.715N	37.428W	13.6	4.9	5.0		SZGRF

Central Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	06:35:47.8	55.5	236.0	0.9	12	4.9		
BFO	e P	Z	06:35:50.9	55.9	239.0	1.5	32	5.1		
	e S	Z	06:43:43.2							
STU	e P	Z	06:35:55.3	56.7	239.6	0.4	11	5.2		
	e S	Z	06:43:52.4							
TNS	e P	Z	06:35:59.3	57.0	238.0	1.1	10	4.8		
	e S	R	06:43:56.7							
BUG	e S	R	06:44:02.3	57.0	236.2					
FUR	e P	Z	06:36:00.5	57.6	241.9	0.6	16	5.2		
UBBA	e P	Z	06:36:06.5	58.2	239.2					
	e S	R	06:44:13.4							
GRA1	e P	Z	06:36:07.4	58.3	241.0	0.8	14	5.0		
	e pP	Z	06:36:11.4							
	e		06:36:17.5							
	e S	R	06:44:13.1							
	e L	Z	06:56:38.9			20.2	1065		5.0	
ROTZ	e P	Z	06:36:11.2	58.9	241.9	1.1	8	4.6		
	e S	R	06:44:20.1							
CLZ	e S	R	06:44:31.1	58.9	239.0					
MANZ	e P	Z	06:36:12.2	58.9	241.7					
MOX	e P	Z	06:36:13.2	59.0	240.9	1.9	31	5.0		
	e S	R	06:44:22.4							
WERD	e P	Z	06:36:14.4	59.2	241.6	1.2	10	4.7		
GEC2	e P	Z	06:36:13.8	59.3	243.8	1.7	15	4.8		
	e S	R	06:44:22.9							
CLL	e P	Z	06:36:19.7	60.0	241.8					
	e S	N	06:44:32.3							
	e ScS	E	06:46:14.4							

	e SS	E	06:48:35.6								
	e SSS	N	06:51:06.4								
	e LR	Z	06:53:56.7								
	e L	Z	06:57:33.8			20.0	2020			5.3	
BRG	e S	R	06:44:38.4	60.4	243.0						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 08:36:08.6							
	e Sn	N 08:36:42.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	11:25:58.9	43.940N	145.690E	122.1	5.1	4.2		SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:37:29.1	75.0	31.6	1.0	26	5.2		
RUE	e P	Z 11:37:29.9	75.1	33.7	0.6	16	5.2		
CLL	i P	+ Z 11:37:36.2	76.3	33.0	0.9	35	5.5		
	e PcP	Z 11:37:48.4							
	e pP	Z 11:38:06.9							
	e LR	Z 12:02:46.2							
	e L	Z 12:15:12.5			20.0	110		4.2	
BRG	e P	Z 11:37:36.8	76.4	33.6	0.8	10	5.0		
CLZ	e P	Z 11:37:39.2	76.7	31.3	1.0	31	5.4		
IBBN	e P	Z 11:37:41.3	77.2	29.7	0.6	26	5.5		
	e pP	Z 11:38:12.0							
WERD	e P	Z 11:37:42.0	77.3	32.4	1.1	11	4.9		
MOX	e P	Z 11:37:42.1	77.4	32.0	1.0	11	4.9		
UBBA	e P	Z 11:37:44.1	77.7	31.0	0.9	8	4.8		
	e pP	Z 11:38:14.7							
MANZ	e P	Z 11:37:44.5	77.7	32.3	1.0	7	4.8		
ROTZ	e P	Z 11:37:45.6	77.9	32.3	1.1	19	5.1		
	e pP	Z 11:38:16.3							
BUG	e P	Z 11:37:46.1	78.1	29.2	0.9	32	5.4		
GEC2	e P	Z 11:37:46.4	78.1	33.2	1.0	10	4.9		
WET	e P	Z 11:37:47.2	78.2	32.7	1.0	24	5.2		
GRA1	e P	Z 11:37:47.8	78.3	31.7	1.0	46	5.4		
	e pP	Z 11:38:18.6							
TNS	e P	Z 11:37:50.0	78.8	29.9	1.1	20	5.0		
FUR	e P	Z 11:37:54.8	79.6	31.5	0.8	35	5.3		
STU	e P	Z 11:37:55.3	79.8	30.2	0.8	24	5.2		
WLF	e P	Z 11:37:57.0	80.0	28.3	0.6	14	5.0		

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BFO e P Z 11:37:59.1 80.4 29.6 1.1 19 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/10

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 12:23:48.6

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/10 12:17:51.4 22.230S 170.700E 33.0N
Southeast of Loyalty Islands SZGRF

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG e PKPbc Z 12:37:24.3 145.0 32.8
BRG e PKPbc Z 12:37:27.2 146.1 40.9
CLL e PKPbc Z 12:37:27.2 146.2 39.1
CLZ e PKPbc Z 12:37:28.9 146.7 34.6
WERD e PKPbc Z 12:37:31.2 147.1 38.9
MOX e PKPbc Z 12:37:31.4 147.2 37.6
MANZ e PKPbc Z 12:37:32.5 147.6 39.0
ROTZ e PKPbc Z 12:37:31.8 147.7 39.4
GEC2 e PKPbc Z 12:37:32.0 147.7 42.7
WET e PKPbc Z 12:37:33.5 147.9 41.1
GRA1 e PKPbc Z 12:37:33.0 148.1 37.9
BFO e PKPbc Z 12:37:39.4 150.4 34.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/10 13:36:33.5 13.140N 41.780E 33.0N 4.7
Ethiopia SZGRF

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GEC2 e P Z 13:44:26.2 42.6 137.3 1.4 30 4.8
WET e P Z 13:44:30.5 43.1 136.5
ROTZ e P Z 13:44:36.6 43.9 136.1 1.1 8 4.4
BRG e P Z 13:44:37.4 44.0 139.1
MANZ e P Z 13:44:37.9 44.1 136.2 1.3 16 4.6
GRA1 e P Z 13:44:39.5 44.3 134.8 0.6 8 4.6
WERD e P Z 13:44:40.7 44.3 136.7 1.1 19 4.7
CLL e P Z 13:44:43.5 44.7 138.2 0.8 7 4.6
BFO e P Z 13:44:44.0 44.8 130.3 1.5 20 4.8
MOX e P Z 13:44:43.5 44.8 136.0 1.3 12 4.7
TNS e P Z 13:44:53.4 46.0 131.9 0.9 9 4.8
BSEG e P Z 13:45:06.9 47.7 136.6 1.1 14 5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	14:17:59.9	16.102S	175.269W	33.0N				SZGRF
Tonga Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z	14:37:19.0	141.9	8.7					
CLL	e PKPab	Z	14:37:26.9	144.2	13.7					
BRG	e PKPab	Z	14:37:28.6	144.5	15.3					
MOX	e PKPab	Z	14:37:31.2	145.0	11.6					
WERD	e PKPab	Z	14:37:32.2	145.1	12.8					
MANZ	e PKPab	Z	14:37:33.3	145.6	12.6					
TNS	e PKPab	Z	14:37:33.6	145.7	6.4					
ROTZ	e PKPab	Z	14:37:34.9	145.8	12.8					
GRA1	e PKPab	Z	14:37:36.5	146.0	11.2					
WET	e PKPab	Z	14:37:37.0	146.3	14.2					
GEC2	e PKPab	Z	14:37:37.2	146.4	15.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	19:03:37.7	43.642N	13.516E	10.0G			4.0	SZGRF
Central Italy								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pn	Z	19:04:24.3	3.0	194.6					4.2
KBA	e Pn	Z	19:04:31.4	3.4	177.9					4.0
WTTA	e Pn	Z	19:04:37.0	3.9	159.3					4.4
ARSA	e Pn	Z	19:04:36.5	3.9	202.0					3.7
	e Sn	E	19:05:19.8							
MOA	e Pn	Z	19:04:42.2	4.2	187.4					3.9
	e Sn	E	19:05:30.4							
DAVA	e Pn	Z	19:04:45.2	4.4	143.7					4.0
	e Sn	N	19:05:36.2							
FUR	e Pn	Z	19:04:48.9	4.8	160.2					4.3
GEC2	e Pn	Z	19:04:54.4	5.2	181.5					
	e Sn	N	19:05:51.6							
WET	e Pn	Z	19:04:58.3	5.5	175.2					
	e Sn	E	19:05:58.0							
BFO	e Pn	Z	19:05:03.5	5.9	140.6					
ROTZ	e Pn	Z	19:05:07.4	6.2	171.2					
	e Sn	E	19:06:12.7							
GRA1	e Sn	N	19:06:14.6	6.3	164.6					
MANZ	e Pn	Z	19:05:10.9	6.4	170.8					
	e Sn	N	19:06:18.3							
WERN	e Pn	Z	19:05:14.3	6.7	172.9					
	e Sn	N	19:06:26.3							

TANN	e Pn	Z	19:05:16.1	6.8	173.6
	e Sn	E	19:06:26.9		
WERD	e Pn	Z	19:05:16.6	6.9	172.6
	e Sn	N	19:06:30.6		
MOX	e Pn	Z	19:05:19.4	7.1	168.8
	e Sn	N	19:06:35.2		
BRG	e Sn	N	19:06:40.2	7.2	182.5
FBE	e Sn	E	19:06:40.1	7.3	179.1
CLL	e Pn	Z	19:05:27.4	7.7	177.2
	e Sn	E	19:06:48.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	21:21:25.6	37.466N	20.714E	10.0G		3.5		SZGRF
Ionian Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pn	Z	21:23:48.2	10.1	151.0					
ARSA	e Pn	Z	21:23:55.9	10.5	156.8					
	e Sn	Z	21:25:45.1							
KBA	e Pn	Z	21:24:01.5	11.0	147.9					
	e Sn	N	21:25:56.6							
MOA	e Pn	Z	21:24:07.7	11.4	153.2					
	e Sn	E	21:26:05.1							
WTTA	e Pn	Z	21:24:13.7	11.9	142.4					
	e Sn	N	21:26:18.2							
GEC2	e Pn	Z	21:24:23.2	12.5	153.3					
	e Sn	N	21:26:31.0							
WET	e Sn	E	21:26:42.6	13.0	151.2					
ROTZ	e Sn	N	21:27:00.8	13.7	150.4					
MANZ	e Sn	Z	21:27:06.8	14.0	150.5					
GRA1	e Sn	N	21:27:06.7	14.0	147.2					
	e L	Z	21:31:23.1			20.3	416		3.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/10	22:05:41.0	21.930N	69.350E	33.0N	5.0			SZGRF
Southern India								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	22:14:41.6	51.3	101.0	1.4	19	4.8		
BRG	e P	Z	22:14:44.0	51.5	102.8	1.3	33	5.1		
RUE	e P	Z	22:14:46.6	52.0	103.8	0.6	12	5.0		
CLL	e P	Z	22:14:48.4	52.2	102.3	1.4	20	4.8		
ROTZ	e P	Z	22:14:50.4	52.4	100.4	1.3	18	4.8		
WERD	e P	Z	22:14:50.7	52.5	101.0	1.3	14	4.8		
MANZ	e P	Z	22:14:51.3	52.5	100.5	1.4	26	5.0		

FUR	e P	Z	22:14:51.8	52.7	98.4	0.7	9	4.8
MOX	e P	Z	22:14:54.4	52.9	100.5	1.2	31	5.1
GRA1	e P	Z	22:14:55.1	53.0	99.5	0.9	13	4.9
CLZ	e P	Z	22:15:01.2	53.9	100.3	1.0	19	5.1
UBBA	e P	Z	22:15:02.2	54.0	99.3			
STU	e P	Z	22:15:02.6	54.2	97.2	0.9	18	5.1
BSEG	e P	Z	22:15:03.8	54.3	101.8	1.4	21	5.0
BFO	e P	Z	22:15:06.5	54.7	96.1	1.2	11	4.7
TNS	e P	Z	22:15:09.0	54.9	97.6	1.2	20	5.0
IBBN	e P	Z	22:15:13.3	55.6	98.4	0.7	26	5.4
BUG	e P	Z	22:15:14.6	55.8	97.4	1.1	33	5.3
WLF	e P	Z	22:15:18.7	56.3	95.3	1.0	12	4.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/10 23:12:43.8 45.398N 16.010E 10.0G 3.1 SZGRF
 Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pn	N	23:13:09.6	1.5	137.0					
	e Sn	N	23:13:29.5							3.3
ARSA	e Pn	Z	23:13:14.6	1.9	169.5					
MOA	e Pn	Z	23:13:27.5	2.7	153.3					2.9
	e Sn	N	23:13:59.6							
WET	e Pn	Z	23:13:49.2	4.3	149.3					3.0
	e Sn	N	23:14:35.3							
ROTZ	e Pn	Z	23:13:58.0	5.1	148.2					
	e Sn	N	23:14:53.1							
MANZ	e Pn	Z	23:14:01.1	5.3	148.7					
	e Sn	E	23:14:57.4							
TANN	e Pn	Z	23:14:06.3	5.6	153.3					
WERD	e Pn	Z	23:14:06.6	5.6	152.4					
MOX	e Pn	Z	23:14:11.4	6.0	149.1					
	e Sn	N	23:15:16.6							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/10

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	23:21:15.6							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/11 00:02:45.5 37.811N 20.881E 10.0G 4.8 SZGRF
 Ionian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	00:05:37.0	12.2	152.1					
	e Sn	N	00:07:48.4							
FUR	e Pn	Z	00:05:39.7	12.5	142.4					
	e Sn	N	00:07:54.9							
WET	e Pn	Z	00:05:43.5	12.7	150.0					
	e Sn	E	00:08:00.5							
ROTZ	e Pn	Z	00:05:54.5	13.5	149.2					
MANZ	e Pn	Z	00:05:58.4	13.7	149.4					
GRA1	e Pn	Z	00:05:56.5	13.8	146.1					
	e Sn	N	00:08:24.3							
	e L	Z	00:12:42.3			20.0	8404		4.8	
BFO	e Pn	Z	00:06:01.6	13.9	134.5					
BRG	e Pn	Z	00:06:01.0	14.0	156.7					
WERD	e Pn	Z	00:06:04.9	14.0	150.9					
MOX	e Pn	Z	00:06:08.1	14.4	149.3					
	e Sn	N	00:08:38.1							
CLL	e Pn	Z	00:06:10.9	14.6	154.6					
TNS	e Pn	Z	00:06:20.7	15.3	139.7					
	e Sn	E	00:09:00.0							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/11

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:06:04.0							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/11

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	02:04:49.8							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/11 07:09: 1.9
Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	07:27:36.6	146.9	17.3					
	e pPKPbc	Z	07:29:56.0							
CLL	e PKPbc	Z	07:27:41.1	148.8	23.3					
	e PKPab	Z	07:27:47.9							

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CLZ	e	PKPbc	Z	07:27:41.7	148.9	18.4
BRG	e	PKPbc	Z	07:27:41.8	148.9	25.2
	e	PKPab	Z	07:27:49.0		
MOX	e	PKPbc	Z	07:27:43.1	149.7	21.3
	e	PKPab	Z	07:27:51.9		
WERD	e	PKPbc	Z	07:27:43.6	149.7	22.7
BUG	e	PKPbc	Z	07:27:43.9	149.8	13.0
UBBA	e	PKPbc	Z	07:27:43.6	149.9	18.3
MANZ	e	PKPbc	Z	07:27:45.0	150.2	22.6
ROTZ	e	PKPbc	Z	07:27:44.9	150.4	22.9
GRA1	e	PKPbc	Z	07:27:46.1	150.7	21.2
TNS	e	PKPbc	Z	07:27:46.1	150.8	15.8
WET	e	PKPbc	Z	07:27:46.0	150.8	24.6
	e	PKPab	Z	07:27:57.1		
GEC2	e	PKPbc	Z	07:27:45.8	150.8	26.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/11	08:46:5.4	34.457N	139.763E	33.0G	5.0			SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 08:58:17.9	81.4	40.1	0.9	13	5.1		
CLL	e P	Z 08:58:22.6	82.4	41.8					
CLZ	e P	Z 08:58:26.4	83.0	39.9	1.1	14	5.1		
WERD	e P	Z 08:58:29.0	83.3	41.2	1.2	8	4.8		
MANZ	e P	Z 08:58:31.5	83.7	41.1	1.0	7	4.9		
ROTZ	e P	Z 08:58:31.6	83.8	41.1	1.3	17	5.1		
GEC2	e P	Z 08:58:30.8	83.9	42.1	1.0	8	4.9		
GRA1	e P	Z 08:58:34.5	84.3	40.4	0.9	12	5.2		
BUG	e P	Z 08:58:34.8	84.5	37.6	0.9	6	4.9		
TNS	e P	Z 08:58:37.3	85.0	38.4	1.0	8	4.9		
BFO	e P	Z 08:58:45.6	86.6	38.3	1.1	13	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/11	17:29:29.4	37.603N	20.895E	10.0G		4.7		SZGRF

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 17:32:23.1	12.4	152.5					
	e Sn	E 17:34:35.9							
FUR	e Sn	E 17:34:41.4	12.7	142.9					
WET	e Pn	Z 17:32:31.0	12.9	150.4					
	e Sn	N 17:34:50.1							
ROTZ	e Pn	Z 17:32:42.1	13.7	149.6					
MANZ	e Pn	Z 17:32:43.6	13.9	149.7					

GRA1	e Pn	Z	17:32:46.9	13.9	146.5				
	e L	Z	17:39:00.4			21.0	6733	4.7	
BFO	e Pn	Z	17:32:48.3	14.1	134.9				
MOX	e Pn	Z	17:32:54.7	14.6	149.6				
TNS	e Pn	Z	17:33:04.1	15.4	140.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/12	01:06:58.0	56.340N	164.250E	32.8	5.7	5.8		SZGRF
Komandorsky Islands, Russia, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	01:17:47.8	66.6	17.1	1.6	229	6.2		
BSEG	e P	Z	01:17:54.7	67.7	15.3	1.6	85	5.7		
RUE	e P	Z	01:17:59.5	68.5	17.1	1.6	115	5.8		
IBBN	e P	Z	01:18:06.7	69.6	13.6	1.9	233	6.1		
CLZ	e P	Z	01:18:07.3	69.7	15.1	1.8	162	6.0		
CLL	e P	Z	01:18:06.8	69.8	16.5	1.3	42	5.4		
	e pP	Z	01:18:16.1							
	e sP	Z	01:18:20.1							
	e PP	Z	01:20:44.9							
	e S	R	01:27:19.4							
	e PS	T	01:27:51.1							
	e SS	T	01:31:55.4							
	e SSS	T	01:35:15.6							
	e LQ	T	01:37:24.5							
	e LR	Z	01:40:31.1							
	e L	Z	01:51:11.2			22.0	4303		5.7	
BRG	e P	Z	01:18:08.5	70.0	17.0	1.3	34	5.4		
BUG	e P	Z	01:18:12.0	70.6	13.3	1.8	131	5.8		
MOX	e P	Z	01:18:12.7	70.6	15.7	1.4	66	5.6		
WERD	e P	Z	01:18:13.2	70.7	16.0	1.8	112	5.7		
UBBA	e P	Z	01:18:13.3	70.7	14.8	1.9	99	5.6		
MANZ	e P	Z	01:18:16.2	71.2	15.9	1.5	47	5.4		
ROTZ	e P	Z	01:18:17.7	71.4	15.9	1.9	124	5.7		
TNS	e P	Z	01:18:18.4	71.6	13.9	2.1	86	5.5		
GRA1	e P	Z	01:18:19.1	71.6	15.4	1.4	120	5.8		
	e pP	Z	01:18:28.5							
	e sP	Z	01:18:32.1							
	e PP	Z	01:20:50.0							
	e S	R	01:27:38.6							
	e SS	R	01:32:19.8							
	e L	Z	01:51:57.7			20.6	5481		5.8	
WET	e P	Z	01:18:20.5	71.9	16.2	1.5	90	5.7		
GEC2	e P	Z	01:18:21.0	72.0	16.7	1.5	59	5.5		
WLF	e P	Z	01:18:23.9	72.4	12.5	1.5	41	5.3		
STU	e P	Z	01:18:25.8	72.9	14.2	1.7	71	5.5		
FUR	e P	Z	01:18:27.5	73.1	15.3	1.4	84	5.7		

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BFO e P Z 01:18:29.1 73.4 13.6 1.7 67 5.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/12 05:36:58.0 20.045N 122.042E 33.0N 4.8
Philippine Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 05:49:42.2 87.4 61.5 0.9 5 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/12 14:39: 2.8 1.061N 96.679E 33.0G 5.0
Off west coast of northern Sumatra, Indonesia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GEC2 e P Z 14:51:33.1 84.6 94.6 1.1 14 5.1
BRG e P Z 14:51:33.4 84.6 95.0 1.2 11 5.0
WET e P Z 14:51:35.8 85.1 94.0 1.1 12 5.0
CLL e P Z 14:51:36.2 85.2 94.3 1.2 11 4.9
WERD e P Z 14:51:37.4 85.6 93.7 0.9 5 4.6
ROTZ e P Z 14:51:38.6 85.6 93.5 1.0 9 4.8
MANZ e P Z 14:51:39.3 85.7 93.5 1.0 13 5.0
MOX e P Z 14:51:41.5 86.1 93.1 1.3 13 4.9
GRA1 e P Z 14:51:41.5 86.3 92.8 0.9 13 5.0
BSEG e P Z 14:51:45.5 87.0 92.3 1.1 17 5.1
IBBN e P Z 14:51:52.8 88.5 90.2 0.6 14 5.3

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/12 16:52: 3.7 37.691N 20.834E 10.0G 5.0
Ionian Sea

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GEC2 e Pn Z 16:54:55.7 12.3 152.5
FUR e Pn Z 16:55:00.1 12.6 142.9
e Sn E 16:57:14.3
WET e Pn Z 16:55:03.2 12.8 150.4
ROTZ e Pn Z 16:55:14.0 13.6 149.6
MANZ e Pn Z 16:55:18.4 13.8 149.8
GRA1 e Pn Z 16:55:17.5 13.8 146.5
e L Z 17:02:02.3 20.9 12133 5.0
STU e Pn Z 16:55:19.0 13.9 138.4
e Sn E 16:57:47.7
BFO e Pn Z 16:55:21.1 14.0 134.9
BRG e Pn Z 16:55:20.5 14.1 157.0

WERD	e Pn	Z	16:55:21.2	14.1	151.3
MOX	e Pn	Z	16:55:27.1	14.5	149.6
CLL	e Pn	Z	16:55:31.2	14.7	154.9
TNS	e Pn	Z	16:55:39.5	15.3	140.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/12								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:31:22.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/12	22:30:21.1	47.706N	26.505W	33.0N	4.6	4.2		SZGRF
Northern Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:35:39.7	24.7	280.0	1.7	22	4.6		
	e L	Z 22:44:20.0			21.9	773		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/13	04:27:27.5	42.808N	143.092E	33.0N	5.6			SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 04:39:07.1	75.2	33.9	0.9	69	5.7		
CLL	i P	+ Z 04:39:13.4	76.4	35.3	0.9	72	5.8		
	e sP	Z 04:39:27.8							
	e (S)	N 04:49:34.6							
	e LR	Z 05:06:26.7							
	e L	Z 05:16:04.3			22.0	1109		5.1	
BRG	e P	Z 04:39:13.7	76.4	35.8	1.1	33	5.4		
CLZ	e P	Z 04:39:16.9	76.9	33.6	1.0	79	5.8		
TANN	e P	Z 04:39:18.9	77.3	34.8					
IBBN	e P	Z 04:39:19.4	77.4	31.9	1.0	96	5.9		
MOX	e P	Z 04:39:19.5	77.4	34.3	1.1	31	5.3		
ROTZ	e P	Z 04:39:22.9	78.0	34.5	2.5	227	5.9		
GEC2	e P	Z 04:39:23.3	78.2	35.4	1.0	19	5.2		
WET	e P	Z 04:39:24.2	78.2	34.9	1.1	47	5.4		
BUG	e P	Z 04:39:23.7	78.3	31.5	1.0	61	5.6		
GRA1	e P	Z 04:39:25.2	78.4	33.9	1.0	95	5.8		
TNS	e P	Z 04:39:27.7	78.9	32.1					
FUR	e P	Z 04:39:32.1	79.6	33.8	0.9	74	5.6		
STU	e P	Z 04:39:33.1	79.9	32.5	0.9	59	5.5		

BFO e P Z 04:39:36.3 80.6 31.9 1.5 70 5.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/13 08:35:58.1 56.926N 164.375E 33.0N 5.4
 Komandorsky Islands, Russia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 08:46:49.0	67.1	15.0	1.1	35	5.5		
IBBN	e P	Z 08:47:01.3	69.1	13.4					
CLZ	e P	- Z 08:47:01.7	69.2	14.8	1.2	62	5.6		
CLL	e P	Z 08:47:01.3	69.2	16.2	1.3	48	5.5		
BRG	e P	Z 08:47:03.0	69.5	16.7	1.5	34	5.3		
BUG	e P	Z 08:47:06.4	70.0	13.1	1.0	42	5.5		
MOX	e P	Z 08:47:07.1	70.1	15.4	1.2	35	5.3		
TANN	e P	Z 08:47:07.8	70.2	15.8					
ROTZ	e P	Z 08:47:12.1	70.9	15.6					
TNS	e P	Z 08:47:12.7	71.0	13.6	1.2	30	5.3		
GRA1	e P	Z 08:47:13.5	71.1	15.1	1.4	90	5.7		
WET	e P	Z 08:47:14.9	71.3	16.0	1.2	49	5.5		
GEC2	e P	Z 08:47:15.4	71.5	16.4	1.3	32	5.3		
STU	e P	Z 08:47:20.5	72.3	13.9					
FUR	e P	Z 08:47:22.2	72.6	15.0	0.9	35	5.5		
BFO	e P	Z 08:47:23.4	72.9	13.4	1.0	24	5.3		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/13 21:24:58.3 45.296N 148.814E 33.0N 5.2
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:36:54.4	78.1	29.0	0.8	17	5.2		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/13 22:05:46.5 54.952N 164.790E 33.0N 5.2
 Komandorsky Islands, Russia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:17:13.6	73.0	15.5	1.4	29	5.2		
	e	22:17:26.2			1.6	45			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/13 23:25:22.3 35.909N 19.361E 33.0N
 SZGRF

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:28:57.4	15.0	153.7	1.2	35			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/14	03:30: 8.4	23.450S	178.370W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 03:49:51.1	148.8	15.5					
	e PKPbc	Z 03:49:55.2							
	e PKPab	Z 03:49:57.9							
IBBN	e PKPbc	Z 03:49:59.4	150.8	11.6					
	e pPKPab	Z 03:50:12.0							
CLL	e PKPbc	Z 03:49:59.7	150.8	21.8					
	e PKPab	Z 03:50:06.8							
	e pPKPab	Z 03:50:11.9							
CLZ	e PKPbc	Z 03:49:59.7	150.8	16.6					
	e PKPab	Z 03:50:07.3							
	e pPKPab	Z 03:50:12.2							
BRG	e PKPdf	Z 03:49:55.1	151.0	23.8					
	e PKPbc	Z 03:50:00.0							
	e PKPab	Z 03:50:06.8							
	e pPKPab	Z 03:50:13.0							
BUG	e PKPbc	Z 03:50:01.5	151.7	11.0					
MOX	e PKPbc	Z 03:50:01.8	151.7	19.6					
TANN	e PKPbc	Z 03:50:02.1	151.7	21.4					
ROTZ	e PKPbc	Z 03:50:03.6	152.4	21.3					
GRA1	e pPKPab	Z 03:50:20.1	152.7	19.5					
	e PP	Z 03:53:52.2							
TNS	e PKPbc	Z 03:50:04.1	152.7	13.7					
WET	e pPKPbc	Z 03:50:10.6	152.8	23.1					
WLF	e PKPbc	Z 03:50:06.4	153.5	9.3					
	e pPKPab	Z 03:50:23.8							
FUR	e pPKPab	Z 03:50:26.7	154.1	20.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/14	03:42:58.0	47.688N	152.977E	33.0N	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 03:54:37.3	75.2	26.6					
BRG	e P	Z 03:54:37.6	75.4	27.1	1.0	16	5.1		
CLZ	e P	Z 03:54:39.1	75.5	25.0	1.8	105	5.7		

IBBN	e P	Z	03:54:40.0	75.7	23.3				
TANN	e P	Z	03:54:42.8	76.2	26.2				
MOX	e P	Z	03:54:42.6	76.2	25.6	1.4	22	5.1	
BUG	e P	Z	03:54:44.9	76.6	22.9	1.3	31	5.3	
ROTZ	e P	Z	03:54:46.4	76.8	25.9				
GRA1	e P	Z	03:54:49.0	77.2	25.3	1.8	119	5.7	
WET	e P	Z	03:54:49.0	77.2	26.3	1.4	34	5.3	
GEC2	e P	Z	03:54:48.6	77.2	26.8	1.7	22	5.0	
TNS	e P	Z	03:54:49.9	77.4	23.6	1.2	24	5.2	
FUR	e P	Z	03:54:56.2	78.5	25.2	1.4	49	5.4	
STU	e P	Z	03:54:56.1	78.6	23.9				
BFO	e P	Z	03:54:59.3	79.2	23.4	1.4	32	5.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/14 09:27:39.7 34.476N 90.029E 10.4 5.7 5.3
 Qinghai, China SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:37:12.1	55.7	75.7	0.8	51	5.6		
CLL	i P	Z	09:37:14.7	56.1	75.4	1.0	57	5.6		
	e PP	Z	09:39:17.7							
	e PPP	Z	09:40:33.1							
	e S	R	09:45:01.2							
	e SS	R	09:48:50.0							
	e SSS	Z	09:51:00.2							
	e LQ	T	09:52:40.2							
	e LR	Z	09:54:23.2							
	e L	Z	10:05:10.9			20.0	3169		5.4	
GEC2	e P	Z	09:37:17.5	56.3	74.3	1.2	67	5.6		
TANN	e P	Z	09:37:19.6	56.7	74.5					
WET	e P	Z	09:37:20.5	56.8	73.9	1.0	36	5.4		
ROTZ	e P	Z	09:37:22.6	57.0	73.9					
BSEG	e P	Z	09:37:22.2	57.0	75.2	0.9	64	5.6		
MOX	e P	Z	09:37:22.7	57.1	74.0	1.8	108	5.6		
CLZ	e P	Z	09:37:25.9	57.6	73.9	1.0	91	5.8		
GRA1	e P	Z	09:37:27.0	57.6	73.2	0.9	120	5.9		
	e pP	Z	09:37:29.9							
	e S	E	09:45:24.7							
	e L	Z	10:03:42.4			18.1	2214		5.3	
FUR	e P	Z	09:37:30.0	58.1	72.3	0.9	100	5.8		
UBBA	e P	Z	09:37:29.1	58.1	73.1					
IBBN	e P	Z	09:37:35.4	59.0	72.4					
STU	e P	Z	09:37:37.4	59.2	71.4					
TNS	e P	Z	09:37:37.3	59.2	71.7	1.9	136	5.7		
BUG	e P	Z	09:37:39.5	59.5	71.6	1.6	134	5.7		
BFO	e P	Z	09:37:41.9	59.9	70.6	1.3	93	5.7		
WLF	e P	Z	09:37:48.7	60.8	69.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/14	10:26:3.9	8.677N	94.046E	40.0G	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:38:02.6	78.8	89.8	0.9	9	4.8		
	e pP	Z 10:38:14.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/14	17:07:39.4	47.082N	152.906E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:19:33.0	77.7	25.6	0.7	12	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/14	18:41:36.9	21.327S	34.905E	33.0N	5.4			SZGRF

Mozambique

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e P	Z 18:53:01.7	72.6	157.0	1.2	130	5.9		
GEC2	e P	Z 18:53:01.6	72.7	159.3	1.4	44	5.4		
WET	e P	Z 18:53:04.1	73.2	158.6	1.3	22	5.1		
BFO	e P	Z 18:53:06.5	73.6	154.3	1.9	32	5.1		
STU	e P	Z 18:53:08.1	73.8	155.1					
ROTZ	e P	Z 18:53:08.9	73.9	158.0					
GRA1	e P	Z 18:53:10.0	74.1	157.1	1.3	105	5.7		
TANN	e P	Z 18:53:12.3	74.4	158.3					
BRG	e P	Z 18:53:12.2	74.5	159.8	1.6	28	5.1		
MOX	e P	Z 18:53:14.4	74.8	157.6	1.4	39	5.3		
CLL	e P	Z 18:53:16.2	75.1	158.9	1.8	110	5.6		
	e PcP	Z 18:53:30.0							
	e LR	Z 19:21:19.7							
	e L	Z 19:28:06.5			20.0	405		4.7	
TNS	e P	Z 18:53:16.9	75.3	154.6	1.1	25	5.2		
WLF	e P	Z 18:53:17.6	75.4	152.4					
CLZ	e P	Z 18:53:22.8	76.3	156.5	1.7	34	5.2		
BUG	e P	Z 18:53:25.4	76.7	153.6					
IBBN	e P	Z 18:53:29.1	77.3	154.2					
BSEG	e P	Z 18:53:33.5	78.2	156.7	1.5	103	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/15	09:38:50.3	51.157N	157.525E	33.0N	5.1			SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:50:29.6	75.1	21.1	1.1	23	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 20:55:53.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/15	21:15:18.6	37.602N	20.586E	33.0G		4.1		SZGRF

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 21:18:08.4	12.3	153.5					
FUR	e Pn	Z 21:18:12.5	12.6	143.9					
	e Sn	N 21:20:25.7							
WET	e Pn	Z 21:18:14.9	12.8	151.4					
ROTZ	e Pn	Z 21:18:26.1	13.6	150.5					
GRA1	e Pn	Z 21:18:30.0	13.8	147.4					
	e L	Z 21:25:23.2			19.2	1772		4.2	
STU	e Pn	Z 21:18:29.6	13.9	139.3					
	e Sn	N 21:20:56.3							
TANN	e Pn	Z 21:18:33.6	14.1	152.6					
BRG	e Pn	Z 21:18:33.3	14.1	157.9					
MOX	e Pn	Z 21:18:39.2	14.5	150.5					
CLL	e Pn	Z 21:18:44.3	14.7	155.7					
TNS	e Pn	Z 21:18:49.3	15.3	140.9					
	e Sn	N 21:21:31.7							
WLF	e Pn	Z 21:19:00.4	15.9	133.9					
CLZ	e Pn	Z 21:19:02.0	15.9	149.2					
	e L	Z 21:25:50.5			20.8	1271		4.1	
BUG	e Pn	Z 21:19:11.4	16.7	140.6					
IBBN	e Pn	Z 21:19:16.9	17.2	143.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/15	22:40:54.3	22.693N	122.195E	18.1	5.8	6.0		SZGRF

Taiwan region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	Z	22:53:17.6	83.3	61.9	1.7	121	5.9		
	e pP	Z	22:53:23.0							
CLL	i P	+ Z	22:53:19.3	83.6	61.3	1.5	56	5.6		
	e		22:53:24.3			1.6	111			
	e PP	Z	22:56:31.9							
	e PPP	Z	22:58:23.7							
	e PPPP	Z	22:59:56.5							
	e S	N	23:03:36.4							
	e SP	Z	23:04:29.0							
	e SS	E	23:09:00.8							
	e SSS	E	23:12:33.4							
	e LR	Z	23:21:25.0							
	e L	Z	23:35:20.8			18.0	17917		6.5	
BSEG	e P	Z	22:53:20.1	83.7	59.5	1.7	81	5.7		
TANN	e P	Z	22:53:23.0	84.3	60.8					
GEC2	e P	Z	22:53:23.3	84.4	61.5	1.3	65	5.7		
MOX	e P	Z	22:53:24.7	84.7	60.2					
WET	e P	Z	22:53:25.3	84.7	61.0					
CLZ	e P	Z	22:53:25.6	84.8	59.3	0.9	55	5.8		
	e pP	Z	22:53:30.7							
ROTZ	e P	Z	22:53:25.8	84.8	60.5					
	e pP	Z	22:53:31.0							
GRA1	e P	Z	22:53:28.7	85.4	59.8					
	e pP	Z	22:53:33.7							
	e PP	Z	22:56:43.5							
	e S	E	23:03:48.8							
	e L	Z	23:35:02.4			20.6	6268		6.0	
UBBA	e P	Z	22:53:29.7	85.5	59.0					
IBBN	e P	Z	22:53:30.8	85.9	57.4	1.5	157	5.9		
FUR	e P	Z	22:53:32.4	86.1	59.7	1.2	140	6.0		
	e pP	Z	22:53:37.7							
BUG	e P	Z	22:53:34.3	86.6	56.9					
TNS	e P	Z	22:53:34.8	86.6	57.8					
STU	e P	Z	22:53:36.2	87.0	58.3					
BFO	e P	Z	22:53:39.5	87.7	57.6	2.3	157	5.9		
WLF	e P	Z	22:53:42.3	88.2	56.0					

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/15 23:49:52.1 32.460S 73.350W 25.3 5.6
Off coast of central Chile SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PP	Z	00:08:42.3	108.6	241.8					
STU	e PP	Z	00:08:47.5	109.4	242.5					
BUG	e PP	Z	00:08:49.5	109.5	242.0					

./2006/bul0604.txt

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TNS	e PP	Z	00:08:50.4	109.6	242.4						
IBBN	e PP	Z	00:08:53.7	110.2	242.6						
FUR	e Pdiff	Z	00:04:20.4	110.3	243.6						
	e PP	Z	00:08:55.9								
GRC2	e PP	Z	00:08:57.8	110.7	243.9						
UBBA	e PP	Z	00:08:59.1	110.8	243.7						
GRA1	e PP	Z	00:08:59.8	111.0	244.1						
	e L	Z	00:49:46.7			22.0	1844			5.6	
CLZ	e PP	Z	00:09:03.3	111.4	244.3						
ROTZ	e PP	Z	00:09:04.3	111.6	244.8						
MOX	e PP	Z	00:09:04.7	111.6	244.7						
WET	e PP	Z	00:09:05.2	111.7	245.0						
TANN	e PP	Z	00:09:07.5	112.0	245.2						
GEC2	e PP	Z	00:09:08.0	112.1	245.4						
CLL	e PKiKP	Z	00:08:44.7	112.7	245.9						
	e PP	Z	00:09:11.5								
	e PS	E	00:18:42.9								
	e SS	N	00:24:37.5								
	e SSS	E	00:29:05.7								
	e LR	Z	00:42:39.2								
	e L	Z	00:53:10.9			20.0	3647			5.9	
BRG	e PP	Z	00:09:15.1	113.0	246.3						

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/16 03:23:52.8 51.388N 175.314W 33.0N 5.0
 Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:35:52.6	78.8	4.2	1.1	17	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/16 11:48:10.0 30.050N 139.460E 455.5 5.3
 Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 12:00:45.3	85.2	42.3	0.8	22	5.3		
	e pP	Z 12:02:27.9							
BRG	e P	Z 12:00:48.2	85.9	44.9	0.8	23	5.4		
	e pP	Z 12:02:31.3							
CLL	i P	Z 12:00:48.7	86.0	44.3	0.9	29	5.4		
	e pP	Z 12:02:32.9							
	e sP	Z 12:03:24.3							
	e PP	Z 12:04:14.6							
	e PPP	Z 12:06:16.2							
	e S	E 12:10:41.9							

	e sS	N	12:13:35.7							
	e SS	E	12:16:30.7							
	e sSS	E	12:19:22.5							
	e SSS	N	12:19:50.0							
	e SSSS	E	12:23:26.1							
	e L	Z	12:43:18.8			18.0	402		4.9	
CLZ	e P	Z	12:00:52.8	86.8	42.3	0.9	15	5.1		
	e pP	Z	12:02:37.0							
TANN	e P	Z	12:00:53.2	86.9	43.8					
MOX	e P	Z	12:00:54.0	87.1	43.2	0.9	9	4.9		
IBBN	e P	Z	12:00:55.8	87.5	40.3					
	e pP	Z	12:02:38.1							
GEC2	e P	Z	12:00:55.6	87.5	44.7	0.7	16	5.4		
ROTZ	e P	Z	12:00:56.5	87.5	43.6					
WET	e P	Z	12:00:56.7	87.6	44.1					
UBBA	e P	Z	12:00:57.6	87.7	42.0					
GRA1	e P	Z	12:00:58.7	88.0	42.9	1.1	24	5.4		
	e pP	Z	12:02:39.9							
BUG	e P	Z	12:00:59.6	88.3	39.9					
TNS	e P	Z	12:01:01.8	88.8	40.8	0.8	6	4.9		
FUR	e P	Z	12:01:03.6	89.1	42.9	0.7	61	6.0		
STU	e P	Z	12:01:05.6	89.5	41.3					
WLF	e P	Z	12:01:09.0	90.1	39.0					
BFO	e P	Z	12:01:08.8	90.3	40.7					

Date 2006/04/16
 Origin Time 15:49:04.8
 Lat 27.880N
 Long 51.730E
 Depth 33.0N
 mb 5.0
 Ms
 ML
 Source SZGRF
 Persian Gulf

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	15:56:03.6	35.9		1.1	5	4.2		
WET	e P	Z	15:56:08.7	36.5		0.8	5	4.3		
BRG	e P	Z	15:56:08.4	36.6		0.8	6	4.3		
ROTZ	e P	Z	15:56:14.3	37.2		0.9	7	4.3		
CLL	i P	Z	15:56:14.5	37.3		1.1	7	4.3		
	e pP	Z	15:56:18.6							
	e PP	Z	15:57:48.6							
	e PcP	Z	15:58:16.9							
	e L	Z	16:14:56.1			20.0	198		4.0	
GRA1	e P	Z	15:56:19.0	37.7		1.0	14	4.7		
CLZ	e P	Z	15:56:28.9	39.0		1.1	14	4.5		
BFO	e P	Z	15:56:29.8	39.1		1.2	8	4.2		
TNS	e P	Z	15:56:35.0	39.6		1.4	16	4.4		
IBBN	e P	Z	15:56:44.1	40.7		1.7	38	4.8		
BUG	e P	Z	15:56:43.3	40.7		1.5	20	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/16	17:46:20.0	4.060N	125.060E	205.3	5.3			SZGRF
Talaud Islands, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z	17:59:39.0	99.9	70.8	0.9	22	5.5		
	e pPdiff	Z	18:00:30.0							
CLL	i Pdiff	+ Z	17:59:40.5	100.3	70.0	0.9	10			
	e pPdiff	Z	18:00:31.1							
	e sPdiff	Z	18:00:48.4							
	e PP	Z	18:03:40.8							
	e SKSac	E	18:09:58.4							
	e PS	N	18:12:51.0							
	e PPS	E	18:13:41.9							
	e PKKPbc	Z	18:15:57.8							
	e L	Z	18:48:18.1			20.0	377		4.9	
GEC2	e Pdiff	Z	17:59:42.6	100.7	71.0	1.0	15	5.3		
BSEG	e Pdiff	Z	17:59:43.4	100.9	67.3	0.9	21	5.5		
TANN	e Pdiff	Z	17:59:43.6	100.9	69.7					
WET	e Pdiff	Z	17:59:44.7	101.1	70.3	1.1	9	5.0		
ROTZ	e Pdiff	Z	17:59:45.9	101.3	69.6					
MOX	e Pdiff	Z	17:59:45.5	101.4	69.0	1.0	13	5.2		
CLZ	e Pdiff	Z	17:59:47.3	101.6	67.7	0.9	19	5.5		
GRA1	e Pdiff	Z	17:59:48.5	101.9	68.8	1.2	12	5.2		
	e PP	Z	18:04:01.9							
	e L	Z	18:48:46.7			19.8	298			
IBBN	e Pdiff	Z	17:59:52.9	102.9	65.4					
BUG	e Pdiff	Z	17:59:55.6	103.6	65.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/16	21:15: 4.3	44.069N	11.991E	10.0G			4.7	SZGRF
Northern Italy								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	21:16:05.8	4.1	172.8					4.8
GEC2	e Pn	Z	21:16:15.8	4.9	194.5					
BFO	e Pn	Z	21:16:15.9	5.0	147.9					4.4
	e Sn	E	21:17:09.1							
STU	e Pn	Z	21:16:18.4	5.1	156.7					4.8
	e Sn	N	21:17:14.2							
WET	e Pn	Z	21:16:17.9	5.1	187.2					
	e Sn	N	21:17:14.4							
GRA1	e Sn	N	21:17:26.5	5.6	174.4					
TANN	e Pn	Z	21:16:35.0	6.4	183.1					
MOX	e Pn	Z	21:16:37.3	6.6	177.6					

	e Sn	N	21:17:49.0								
TNS	e Pn	Z	21:16:39.0	6.6	157.3						
WLF	e Pn	Z	21:16:42.5	6.9	142.3						
	e Sn	E	21:17:56.9								
BRG	e Pn	Z	21:16:42.7	6.9	191.7						
	e Sn	N	21:17:58.1								
CLL	e Pn	Z	21:16:47.4	7.3	185.8						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17	02:44: 7.8	39.551N	17.350E	33.0G		4.4		SZGRF

Southern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:46:23.3	9.7	163.0					
	e Sn	N 02:48:06.3							
FUR	e Pn	Z 02:46:23.4	9.7	150.9					
	e Sn	N 02:48:05.8							
	e L	Z 02:51:52.9			16.0	3007		4.2	
WET	e Pn	Z 02:46:28.8	10.1	160.0					
	e Sn	N 02:48:15.6							
BFO	e Pn	Z 02:46:39.9	10.9	140.3					
	e Sn	N 02:48:35.7							
	e L	Z 02:52:25.2			16.5	3822		4.4	
STU	e Pn	Z 02:46:40.0	10.9	144.7					
GRA1	e L	Z 02:52:57.5	11.0	154.5	15.1	3303		4.4	
TANN	e Pn	Z 02:46:46.4	11.4	160.6					
MOX	e Pn	Z 02:46:51.5	11.8	157.9					
	e L	Z 02:53:34.8			14.7	3604		4.5	
CLL	e Pn	Z 02:46:57.6	12.1	163.9					
TNS	e Pn	Z 02:47:01.2	12.4	146.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17	03:04:55.8	42.766N	141.895E	33.0N	4.8			SZGRF

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:16:51.1	78.0	34.7	0.9	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17	08:54:46.3	37.638N	20.889E	33.0G		4.0		SZGRF

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GEC2	e Pn	Z	08:57:36.8	12.4	152.4			
	e Sn	E	08:59:48.9					
WET	e Pn	Z	08:57:44.2	12.9	150.3			
	e Sn	Z	09:00:01.1					
	e L	Z	09:03:52.4			16.6	1838	4.2
GRC3	e Pn	Z	08:57:49.4	13.1	145.6			
GRC2	e Pn	Z	08:57:49.9	13.2	144.9			
GRC1	e Pn	E	08:57:50.3	13.2	145.7			
	e Pn	N	08:57:51.2					
	e Pn	Z	08:57:51.2					
GRB2	e Pn	Z	08:57:52.6	13.4	146.8			
GRB1	e Pn	Z	08:57:54.3	13.5	147.0			
GRB4	e Pn	Z	08:57:55.0	13.6	146.9			
GRA2	e Pn	Z	08:57:57.6	13.8	146.7			
GRA1	e Pn	Z	08:57:59.5	13.9	146.4			
	e L	Z	09:04:42.0			18.0	914	3.9
BFO	e Pn	Z	08:58:01.5	14.1	134.9			
	e Sn	N	09:00:28.7					
MOX	e Pn	Z	08:58:07.4	14.6	149.5			
	e L	Z	09:04:54.1			19.0	1045	4.0
TNS	e Pn	Z	08:58:19.2	15.4	140.0			
	e Sn	N	09:01:00.7					
CLZ	e L	Z	09:05:55.8	16.0	148.4	16.7	1137	4.1
BSEG	e L	Z	09:06:22.7	17.8	151.7	18.4	449	3.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/17 09:42:20.4 35.887N 20.582E 33.0G
 Central Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	09:45:33.9	13.9	156.2					
	e Sn	E	09:48:00.1							
FUR	e Sn	E	09:48:05.5	14.1	147.4					
WET	e Pn	Z	09:45:39.8	14.4	154.1					
	e Sn	Z	09:48:12.5							
ROTZ	e Pn	Z	09:45:50.8	15.2	153.2					
	e Sn	N	09:48:26.4							
STU	e Pn	Z	09:45:52.4	15.4	142.8					
BFO	e Pn	Z	09:45:51.9	15.4	139.6					
GRA1	e Sn	N	09:48:34.4	15.4	150.2					
BRG	e Pn	Z	09:45:58.3	15.7	159.8					
MOX	e Pn	Z	09:46:03.9	16.1	152.9					
	e Sn	N	09:48:49.3							
TNS	e Pn	Z	09:46:13.2	16.8	143.9					
BUG	e Pn	Z	09:46:31.2	18.2	143.4					
IBBN	e Pn	Z	09:46:38.7	18.8	146.0					
BSEG	e Pn	Z	09:46:46.5	19.4	154.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17	13:06:10.5	18.653S	178.745W	33.0N				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 13:25:41.2	144.0	14.7					
IBBN	e PKPbc	Z 13:25:47.3	146.0	11.1					
CLZ	e PKPbc	Z 13:25:47.7	146.0	15.6					
CLL	e PKPbc	Z 13:25:47.4	146.1	20.2					
MOX	e PKPbc	Z 13:25:50.0	147.0	18.2					
ROTZ	e PKPbc	Z 13:25:52.0	147.7	19.7					
GRA1	e PKPbc	Z 13:25:52.8	147.9	18.0					
GEC2	e PKPbc	Z 13:25:53.1	148.2	22.8					
WLF	e PKPbc	Z 13:25:55.2	148.7	9.0					
STU	e PKPbc	Z 13:25:56.0	149.2	14.8					
FUR	e PKPbc	Z 13:25:56.3	149.4	18.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 20:22:27.4							
BRG	e Pn	Z 20:22:10.6							
BSEG	e Pn	Z 20:22:53.9							
CLZ	e Pn	Z 20:22:35.8							
GEC2	e Pn	Z 20:21:57.1							
GRA1	e Pn	Z 20:22:16.4							
MOX	e Pn	Z 20:22:21.2							
ROTZ	e Pn	Z 20:22:09.9							
TANN	e Pn	Z 20:22:18.0							
TNS	e Pn	Z 20:22:37.1							
WET	e Pn	Z 20:22:03.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/17	21:43: 1.0	43.750N	10.179E	10.0G			4.4	SZGRF
Central Italy								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 21:44:09.4	4.5	190.2					4.6
BFO	e Pn	Z 21:44:12.1	4.8	163.7					4.1
STU	e Sn	E 21:45:11.9	5.1	171.9					4.5
GEC2	e Pn	Z 21:44:24.0	5.6	206.8					

	e Sn	N	21:45:27.9					
WET	e Pn	Z	21:44:24.8	5.7	200.0			4.3
	e Sn	N	21:45:28.4					
GRA1	e Pn	Z	21:44:30.2	6.0	187.2			4.6
TNS	e Pn	Z	21:44:37.6	6.6	169.0			
	e Sn	N	21:45:50.7					
TANN	e Pn	Z	21:44:41.0	6.8	194.0			
MOX	e Pn	Z	21:44:42.0	7.0	188.6			
BRG	e Pn	Z	21:44:49.8	7.6	201.1			
CLL	e Pn	Z	21:44:53.1	7.8	195.2			
CLZ	e Pn	Z	21:44:56.7	8.1	181.0			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/17 23:50: 0.2 11.810S 166.760E 33.0N 6.0 SZGRF
 Santa Cruz Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	00:09:12.4	133.9	32.9					
	e PP	Z	00:11:45.0							
BRG	e PKPdf	Z	00:09:15.5	135.1	39.3					
	e PP	Z	00:11:52.8							
CLL	e PKPpre	Z	00:09:06.2	135.1	37.8					
	e PKPdf	Z	00:09:18.4							
	e pPKPdf	Z	00:09:37.2							
	e PP	Z	00:11:56.5							
	e sPP	Z	00:12:25.8							
	e SKPab	Z	00:12:48.7							
	e PKSab	Z	00:12:56.4							
	e PPS	N	00:24:00.3							
	e SS	N	00:29:56.8							
	e SSS	N	00:34:52.7							
	e LR	Z	00:55:40.6							
	e L	Z	01:13:52.9			20.0	3807		6.1	
CLZ	e PKPdf	Z	00:09:17.8	135.6	34.1					
	e PP	Z	00:11:56.2							
TANN	e PP	Z	00:11:58.7	136.0	37.7					
IBBN	e PP	Z	00:11:58.3	136.1	30.4					
MOX	e PKPdf	Z	00:09:19.2	136.2	36.5					
	e PP	Z	00:11:59.4							
UBBA	e PP	Z	00:12:02.9	136.6	34.2					
GEC2	e PKPdf	Z	00:09:20.2	136.7	40.3					
	e PP	Z	00:12:02.6							
WET	e PKPdf	Z	00:09:21.0	136.9	39.1					
	e PP	Z	00:12:03.7							
BUG	e PP	Z	00:12:04.1	137.0	30.2					
GRA1	e PKPdf	Z	00:09:21.3	137.1	36.5					
	e PP	Z	00:12:04.7							

	e	PKS	Z	00:12:56.0							
	e	L	Z	01:12:39.6			21.1	3336	6.0		
TNS	e	PKPdf	Z	00:09:22.8	137.7	32.5					
	e	PP	Z	00:12:08.4							
FUR	e	PP	Z	00:12:12.2	138.3	37.6					
STU	e	PP	Z	00:12:14.2	138.6	34.4					
BFO	e	PKPdf	Z	00:09:25.1	139.3	33.5					
	e	PP	Z	00:12:18.4							

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/18 03:54:35.4 37.619N 22.263E 33.0G 3.7
 Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 03:57:32.4	12.8	147.9					
	e L	Z 04:02:51.7			18.8	582		3.6	
WET	e Pn	Z 03:57:40.2	13.4	146.0					
	e L	Z 04:03:21.2			20.0	636		3.7	
GRA1	e Pn	Z 03:57:57.5	14.4	142.5					
	e L	Z 04:04:31.9			18.6	581		3.7	
BRG	e Pn	Z 03:57:55.1	14.5	152.8					
TANN	e Pn	Z 03:57:56.2	14.6	147.6					
	e L	Z 04:03:58.7			18.7	678		3.8	
STU	e Pn	Z 03:58:00.4	14.6	134.8					
BFO	e Pn	Z 03:57:57.9	14.7	131.4					
MOX	e Pn	Z 03:58:04.3	15.1	145.7					
	e L	Z 04:04:14.0			20.1	560		3.7	
CLL	e Pn	Z 03:58:05.2	15.2	150.9					
UBBA	e Pn	Z 03:58:15.8	15.8	141.9					
TNS	e Pn	Z 03:58:17.2	16.0	136.7					
CLZ	e Pn	Z 03:58:22.8	16.5	144.9					
	e L	Z 04:05:06.7			21.7	478		3.7	
WLF	e Pn	Z 03:58:25.2	16.7	130.1					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/18 10:38:33.5 43.376N 143.731E 33.0N 4.8
 Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:50:29.6	78.1	33.2	0.9	7	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/18 12:59:43.2 46.680N 146.140E 33.0N 5.3
 SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	13:11:10.2	72.6	30.1					
CLL	e P	Z	13:11:17.8	74.1	31.4	0.9	47	5.5		
BRG	e P	Z	13:11:18.4	74.1	31.9	1.2	15	4.9		
IBBN	e P	Z	13:11:22.6	74.8	28.2					
TANN	e P	Z	13:11:23.6	75.0	30.9					
MOX	e P	Z	13:11:24.1	75.1	30.4	1.1	15	4.9		
ROTZ	e P	Z	13:11:27.7	75.6	30.7					
BUG	e P	Z	13:11:27.7	75.7	27.8					
GEC2	e P	Z	13:11:28.8	75.9	31.5	0.6	12	5.2		
WET	i P	Z	13:11:29.5	76.0	31.0	1.1	31	5.3		
GRA1	e P	Z	13:11:30.0	76.0	30.0	0.7	37	5.6		
TNS	e P	Z	13:11:32.0	76.4	28.4	0.9	19	5.2		
FUR	e P	Z	13:11:37.1	77.3	29.9	0.8	45	5.7		
STU	e P	Z	13:11:37.6	77.5	28.7	1.0	38	5.5		
BFO	e P	Z	13:11:41.2	78.1	28.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/18	19:18:59.0	42.282N	17.640E	10.0G				SZGRF

Adriatic Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	19:20:42.6	7.1	155.8					
	e Sn	N	19:22:00.2							
WET	e Pn	Z	19:20:48.0	7.6	152.4					
ROTZ	e Pn	Z	19:20:58.6	8.4	151.3					
TANN	e Pn	Z	19:21:06.4	8.9	154.4					
BFO	e Pn	Z	19:21:06.0	8.9	129.3					
MOX	e Pn	Z	19:21:12.9	9.3	151.4					
TNS	e Pn	Z	19:21:24.5	10.2	137.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	03:02:47.5	22.930S	178.850W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	03:22:29.8	148.2	16.2					
CLL	e PKPbc	Z	03:22:35.1	150.2	22.4					
	e PKPab	Z	03:22:41.0							
CLZ	e PKPbc	Z	03:22:35.3	150.2	17.3					
	e PKPab	Z	03:22:41.4							
BRG	e PKPbc	Z	03:22:35.8	150.3	24.3					
	e PKPab	Z	03:22:42.0							

MOX	e PKPbc	Z	03:22:37.6	151.1	20.3
	e PKPab	Z	03:22:45.1		
WERD	e PKPbc	Z	03:22:37.7	151.1	21.7
	e PKPab	Z	03:22:45.4		
MANZ	e PKPbc	Z	03:22:38.9	151.6	21.6
	e PKPab	Z	03:22:47.2		
ROTZ	e PKPbc	Z	03:22:39.4	151.8	21.9
GRA1	e PKPbc	Z	03:22:39.6	152.1	20.1
	e PKPab	Z	03:22:49.8		
TNS	e PKPbc	Z	03:22:39.9	152.1	14.5
	e PKPab	Z	03:22:49.3		
WET	e PKPbc	Z	03:22:40.4	152.2	23.7
	e PKPab	Z	03:22:50.0		
GEC2	e PKPbc	Z	03:22:40.0	152.2	25.5
	e PKPab	Z	03:22:50.0		
WLF	e PKPbc	Z	03:22:42.4	153.0	10.2
STU	e PKPbc	Z	03:22:42.9	153.4	16.7
BFO	e PKPbc	Z	03:22:43.7	154.0	15.2
	e PKPab	Z	03:22:56.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	03:24:43.0	54.890N	166.710E	49.5	5.2	4.3		SZGRF
Komandorsky Islands, Russia, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	03:35:48.5	69.5	14.2	1.1	36	5.4		
	e pP	Z	03:36:01.3							
RUE	e P	Z	03:35:53.5	70.3	16.1	1.2	35	5.4		
	e sP	Z	03:36:12.0							
IBBN	e P	Z	03:36:00.2	71.4	12.6	1.5	67	5.6		
CLZ	e P	Z	03:36:00.8	71.5	14.1	1.2	42	5.4		
	e pP	Z	03:36:13.8							
	e sP	Z	03:36:19.5							
	e PP	Z	03:38:40.0							
CLL	e P	Z	03:36:00.6	71.6	15.6	1.2	34	5.3		
	e PP	Z	03:38:41.1							
BRG	e P	Z	03:36:02.3	71.8	16.1	1.2	21	5.2		
BUG	e P	Z	03:36:05.3	72.3	12.2	1.0	20	5.2		
MOX	e P	Z	03:36:06.0	72.4	14.7	1.2	20	5.1		
	e sP	Z	03:36:25.2							
	e PP	Z	03:38:47.7							
WERD	e P	Z	03:36:06.5	72.5	15.1	1.1	27	5.3		
MANZ	e P	Z	03:36:09.4	73.0	14.9	1.1	16	5.1		
	e PP	Z	03:38:53.3							
ROTZ	e P	Z	03:36:10.9	73.2	15.0	1.2	24	5.1		
	e sP	Z	03:36:28.9							
	e PP	Z	03:38:55.2							

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TNS	e P	Z	03:36:11.3	73.3	12.8	1.0	13	4.9	
	e pP	Z	03:36:26.2						
GRA1	e P	Z	03:36:12.3	73.4	14.4	1.4	71	5.5	
	e L	Z	04:10:42.2			21.5	188		4.3
WET	e P	Z	03:36:13.8	73.7	15.3	1.2	29	5.2	
	e pP	Z	03:36:28.9						
	e sP	Z	03:36:32.3						
GEC2	e P	Z	03:36:14.3	73.8	15.8	1.1	16	4.9	
	e pP	Z	03:36:28.4						
WLF	e P	Z	03:36:16.6	74.2	11.5	1.3	23	5.0	
STU	e P	Z	03:36:19.0	74.6	13.2	1.0	21	5.1	
FUR	e P	Z	03:36:20.8	74.9	14.3	1.1	31	5.3	
BFO	e P	Z	03:36:22.2	75.2	12.7	0.9	14	5.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/19 05:39:46.8 G 4.6 SZGRF
 Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	05:44:43.8			0.6	34	4.7		
BRG	e P	Z	05:44:31.9			0.8	8	4.0		
CLL	e P	Z	05:44:38.8			0.8	25	4.4		
	e pP	Z	05:45:04.5							
	e S	N	05:47:58.1							
	e sS	N	05:48:34.2							
CLZ	e P	Z	05:44:54.4			1.2	26	4.5		
FUR	e P	Z	05:44:23.1			1.3	108	4.9		
GEC2	e P	Z	05:44:15.0			0.9	28	4.4		
GRA1	e P	Z	05:44:34.8			1.4	81	4.8		
IBBN	e P	Z	05:45:10.4			0.5	19	4.9		
MANZ	e P	Z	05:44:32.5			1.2	38	4.5		
MOX	e P	Z	05:44:40.0			1.1	31	4.5		
ROTZ	e P	Z	05:44:30.1			1.1	31	4.5		
RUE	e P	Z	05:44:45.6			0.9	39	4.8		
STU	e P	Z	05:44:39.6			0.7	99	5.1		
TNS	e P	Z	05:44:53.2			0.8	49	4.9		
WERD	e P	Z	05:44:35.3			1.1	33	4.5		
WET	e P	Z	05:44:21.7			1.0	34	4.5		
WLF	e P	Z	05:45:02.5			0.8	22	4.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/19

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:10:26.1			0.8	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	12:13:40.8	20.470S	177.340W	33.0G				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	12:32:19.2	146.0	12.9					
CLZ	e PKPbc	Z	12:32:24.6	148.1	13.7					
CLL	i PKPbc	Z	12:32:24.5	148.1	18.6	0.9	26			
	e PKPab	Z	12:32:29.0			0.8	8			
	e pPKPab	Z	12:34:42.8							
	e SKPdf	Z	12:34:59.0							
BRG	e PKPbc	Z	12:32:25.2	148.3	20.4					
	e PKPab	Z	12:32:30.1							
BUG	e PKPbc	Z	12:32:26.6	148.8	8.4					
WERD	e PKPbc	Z	12:32:27.1	149.1	17.8					
	e PKPab	Z	12:32:33.5							
MANZ	e PKPbc	Z	12:32:28.5	149.5	17.7					
ROTZ	e PKPbc	Z	12:32:28.6	149.7	18.0					
	e PKPab	Z	12:32:36.5							
TNS	e PKPbc	Z	12:32:29.1	149.9	10.9					
	e PKPab	Z	12:32:37.0							
GRA1	e PKPbc	Z	12:32:29.6	150.0	16.2					
WET	e PKPbc	Z	12:32:29.6	150.2	19.5					
	e PKPab	Z	12:32:38.4							
GEC2	e PKPbc	Z	12:32:29.7	150.3	21.2					
WLF	e PKPbc	Z	12:32:31.5	150.7	6.7					
BFO	e PKPbc	Z	12:32:33.1	151.8	11.3					
	e PKPab	Z	12:32:44.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	15:16:32.7	37.790N	20.470E	33.0G		4.9		SZGRF
Ionian Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	15:19:19.0	12.1	153.6					
	e Sn	E	15:21:29.9							
	e L	Z	15:25:17.3			15.9	9675		4.9	
WET	e Pn	Z	15:19:27.7	12.6	151.4					
	e Sn	E	15:21:40.7							
ROTZ	e Pn	Z	15:19:37.4	13.4	150.6					
	e Sn	E	15:21:59.4							
MANZ	e Pn	Z	15:19:40.9	13.6	150.7					
	e Sn	N	15:22:03.3							
GRA1	e Pn	Z	15:19:39.2	13.6	147.4					

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	e Sn	N	15:22:04.4								
	e L	Z	15:27:03.0			14.8	7226	4.9			
BFO	e Pn	Z	15:19:44.0	13.7	135.6						
WERD	e Pn	Z	15:19:47.9	13.9	152.2						
MOX	e Pn	Z	15:19:50.2	14.3	150.5						
UBBA	e Pn	Z	15:20:01.4	15.0	146.3						
TNS	e Pn	Z	15:20:02.5	15.1	140.8						
	e Sn	N	15:22:39.5								
WLF	e Pn	Z	15:20:10.2	15.7	133.7						
CLZ	e Pn	Z	15:20:10.6	15.7	149.3						
	e L	Z	15:27:37.6			15.9	7412	5.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	15:30: 7.3	20.888S	173.336W	15.0N				SZGRF
Tonga Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	15:49:48.9	146.8	6.2					
RUE	e PKPbc	Z	15:49:51.8	147.9	12.6					
IBBN	e PKPbc	Z	15:49:53.7	148.6	2.0					
CLZ	e PKPbc	Z	15:49:54.6	148.9	6.7					
CLL	e PKPbc	Z	15:49:54.9	149.2	11.6					
BUG	e PKPbc	Z	15:49:55.7	149.4	1.1					
BRG	e PKPbc	Z	15:49:55.7	149.5	13.5					
UBBA	e PKPbc	Z	15:49:56.5	150.0	6.2					
MOX	e PKPbc	Z	15:49:57.1	150.0	9.3					
WERD	e PKPbc	Z	15:49:57.3	150.1	10.6					
MANZ	e PKPbc	Z	15:49:58.8	150.6	10.4					
TNS	e PKPbc	Z	15:49:58.7	150.6	3.4					
ROTZ	e PKPbc	Z	15:49:59.1	150.8	10.7					
GRA1	e PKPbc	Z	15:49:59.5	151.0	8.8					
WLF	e PKPbc	Z	15:50:00.7	151.2	359.0					
WET	e PKPbc	Z	15:50:00.1	151.3	12.2					
GEC2	e PKPbc	Z	15:50:00.4	151.5	13.9					
STU	e PKPbc	Z	15:50:02.2	152.0	5.0					
FUR	e PKPbc	Z	15:50:03.1	152.5	9.4					
BFO	e PKPbc	Z	15:50:02.8	152.5	3.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	17:49: 4.0	27.073S	71.225W	14	5.2			NEIC
Offshore Atacama, Chile								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pdiff	Z	18:03:24.5	107.2	248.2					
	e PP	Z	18:07:47.4							

e SKSac	E	18:14:07.5							
e SKKSac	N	18:14:42.5							
e Sdiff	N	18:15:31.3							
e PS	E	18:17:12.9							
e SS	N	18:22:57.3							
e LR	Z	18:40:35.1							
e L	Z	18:48:33.6				22.0		851	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	20:36:44.8	2.220N	93.810E	33.0N	5.6	5.7		SZGRF

Off west coast of northern Sumatra, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	20:49:01.1	81.8	96.0	1.6	187	6.0		
	e S	T	20:59:12.9							
BRG	e P	Z	20:49:01.3	81.9	96.5	1.0	42	5.5		
	e S	T	20:59:13.4							
RUE	e P	Z	20:49:02.8	82.2	96.6	0.9	98	5.9		
	e S	T	20:59:16.2							
WET	e P	Z	20:49:04.3	82.4	95.4	1.0	29	5.4		
	e S	T	20:59:18.7							
CLL	i P	+ Z	20:49:04.7	82.5	95.8	1.3	55	5.5		
	e pP	Z	20:49:12.7							
	e sP	Z	20:49:16.4							
	e PP	Z	20:52:14.8							
	e PPP	Z	20:54:04.7							
	e S	E	20:59:15.9							
	e PS	E	21:00:08.5							
	e PPS	N	21:00:26.0							
	e SS	E	21:04:39.7							
	e SSS	E	21:08:07.9							
	e SSSS	N	21:10:33.1							
	e LR	Z	21:15:51.3							
	e L	Z	21:30:58.1			20.0	3897		5.8	
WERD	e P	Z	20:49:06.3	82.9	95.2	0.9	24	5.4		
ROTZ	e P	Z	20:49:06.9	82.9	95.0	1.0	28	5.4		
	e S	T	20:59:23.7							
MANZ	e P	Z	20:49:07.4	83.0	94.9	1.0	52	5.7		
	e S	T	20:59:24.5							
MOX	e P	Z	20:49:08.7	83.3	94.6	1.1	28	5.4		
	e S	T	20:59:28.1							
FUR	e P	Z	20:49:08.9	83.4	94.1	1.4	58	5.6		
	e S	T	20:59:27.0							
GRA1	e P	Z	20:49:10.0	83.5	94.2	1.0	53	5.7		
	e S	T	20:59:30.0							
	e SS	R	21:04:54.2							
	e L	Z	21:27:36.1			22.0	3438		5.7	

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CLZ	e P	Z	20:49:13.1	84.2	93.8	0.9	41	5.7
	e S	T	20:59:36.7					
UBBA	e P	Z	20:49:13.9	84.4	93.4	0.8	14	5.2
	e S	T	20:59:38.4					
BSEG	e P	Z	20:49:14.0	84.4	94.0	1.0	34	5.5
	e S	T	20:59:38.2					
STU	e P	Z	20:49:15.8	84.8	92.6			
	e S	T	20:59:42.8					
TNS	e P	Z	20:49:19.0	85.3	92.1	0.9	44	5.7
	e S	T	20:59:48.0					
BFO	e P	Z	20:49:18.8	85.3	91.9	1.0	16	5.2
	e S	T	20:59:48.2					
IBBN	e P	Z	20:49:21.4	85.8	91.8			
BUG	e P	Z	20:49:22.7	86.1	91.3	1.0	41	5.5
	e S	T	20:59:55.5					
WLF	e P	Z	20:49:27.0	86.8	90.3	1.2	47	5.5
	e S	T	21:00:02.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/19	21:05:39.8	31.279N	90.593E	17.7	5.2			SZGRF

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 21:15:32.6	58.2	78.1	0.8	10	4.9		
CLL	e P	Z 21:15:35.6	58.7	77.8	1.5	28	5.1		
GEC2	e P	Z 21:15:36.8	58.8	76.8	1.1	26	5.2		
WET	e P	Z 21:15:40.1	59.2	76.4	1.5	26	5.0		
WERD	e P	Z 21:15:39.8	59.3	76.8	1.0	13	4.9		
ROTZ	e P	Z 21:15:42.5	59.5	76.3	1.2	40	5.3		
MANZ	e P	Z 21:15:42.2	59.5	76.4	1.4	23	5.0		
MOX	e P	Z 21:15:43.0	59.7	76.4	1.4	29	5.1		
BSEG	e P	Z 21:15:43.1	59.7	77.4	0.9	26	5.2		
CLZ	e P	Z 21:15:46.1	60.1	76.2	1.2	41	5.3		
GRA1	e P	Z 21:15:46.6	60.1	75.6	1.3	36	5.2		
	e pP	Z 21:15:51.5							
FUR	e P	Z 21:15:49.2	60.5	74.8	0.9	39	5.2		
STU	e P	Z 21:15:57.0	61.7	73.8	1.1	38	5.5		
TNS	e P	Z 21:15:56.9	61.7	74.0	1.0	21	5.3		
BFO	e P	Z 21:16:00.8	62.3	73.0	1.6	32	5.2		
WLF	e P	Z 21:16:08.1	63.3	72.2	1.2	59	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	23:24:59.3	60.270N	166.250E	33.0N	7.1	7.7		SZGRF

Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	23:35:26.9	63.2	14.6	1.2	2621	7.3		
BSEG	e P	Z	23:35:33.6	64.2	13.0	1.6	1900	7.1		
HLG	e P	Z	23:35:34.0	64.3	11.7	1.3	1839	7.2		
	e S	T	23:44:13.2							
RUE	e P	Z	23:35:39.3	65.1	14.6	1.9	3117	7.2		
	e S	T	23:44:22.5							
IBBN	e P	Z	23:35:45.8	66.1	11.5	1.4	2905	7.3		
CLZ	e P	Z	23:35:46.9	66.2	12.8	1.2	1713	7.2		
	e S	T	23:44:35.3							
CLL	i P	+ Z	23:35:47.1	66.4	14.1	1.4	855	6.8		
	e pP	Z	23:35:52.8							
	e sP	Z	23:35:56.3							
	e PP	Z	23:38:16.7							
	e S	E	23:44:36.7							
	e ScS	Z	23:45:50.3							
	e SS	E	23:49:01.2							
	e SSS	E	23:52:07.4							
	e SSSS	Z	23:52:51.9							
	e LR	Z	23:56:09.2							
	e L	Z	00:02:29.6			22.0	404625		7.6	
	e PKPPKPdf	Z	00:04:23.5							
	e PKPPKPab	Z	00:04:30.6							
BRG	e P	Z	23:35:48.9	66.6	14.5	1.4	1071	6.9		
	e PP	Z	23:38:17.4							
BUG	e P	Z	23:35:51.3	67.0	11.1	1.4	2157	7.2		
	e S	T	23:44:46.1							
MOX	e P	Z	23:35:52.8	67.2	13.3	1.5	1674	7.0		
WERD	e P	Z	23:35:53.5	67.3	13.7	1.6	1843	7.1		
MANZ	e P	Z	23:35:56.5	67.8	13.5	1.6	1387	6.9		
	e S	T	23:44:54.7							
ROTZ	e P	Z	23:35:58.1	68.0	13.5	1.5	1552	7.0		
TNS	e P	Z	23:35:58.2	68.1	11.7	1.5	1159	6.9		
	e S	T	23:44:58.6							
GRA1	e P	Z	23:35:59.5	68.2	13.0	1.6	3054	7.3		
WET	e P	Z	23:36:01.2	68.5	13.8	1.7	2107	7.1		
WLF	e P	Z	23:36:03.6	68.9	10.4	1.7	2200	7.1		
	e S	T	23:45:09.2							
STU	e P	Z	23:36:06.2	69.4	11.9	1.3	642	6.6		
	e S	T	23:45:13.5							
FUR	e P	Z	23:36:08.4	69.7	12.9	1.5	1722	7.0		
BFO	e P	Z	23:36:09.5	69.9	11.4	1.1	543	6.6		
	e S	T	23:45:19.1							
GRA1	e L	Z	00:01:29.1	68.2	13.0	26.7	636059		7.7	
	e PKPPKP	Z	00:04:14.9							

2006/04/20 00:10:12.9
Central Mediterranean Sea

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:13:48.0			0.9	8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	07:52:55.8	37.700N	20.900E	7.0G	4.1			THE

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z 07:56:06.9	12.8	150.2					
ROTZ	e P	Z 07:56:16.4	13.6	149.4					
MANZ	e P	Z 07:56:19.6	13.8	149.5	0.8	6	3.9		
GRA1	e P	Z 07:56:20.8	13.9	146.3	0.7	20	4.5		
BFO	e P	Z 07:56:22.0	14.0	134.7	1.4	9	3.8		
WERD	e P	Z 07:56:23.8	14.1	151.1	0.6	8	4.1		
MOX	e P	Z 07:56:28.3	14.5	149.4	0.6	4	3.9		
CLL	e P	Z 07:56:29.9	14.7	154.6	0.7	10	4.1		
UBBA	e P	Z 07:56:35.1	15.2	145.3	1.0	7	4.0		
TNS	e P	Z 07:56:37.1	15.4	139.9	1.4	18	4.2		
CLZ	e P	Z 07:56:44.0	16.0	148.3	1.7	43	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	10:39:40.1	17.800S	168.400E	100.0N				GSRC

Vanuatu Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKP	Z 10:58:59.0	141.8	35.2					
WERD	e PKP	Z 10:58:57.9	142.2	39.0					
ROTZ	e PKP	Z 10:58:59.0	142.8	39.4					
UBBA	e PKP	Z 10:59:00.2	142.8	35.4					
GEC2	e PKP	Z 10:58:59.4	142.8	42.3					
WET	e PKP	Z 10:58:59.6	142.9	40.9					
BUG	e PKP	Z 10:59:03.8	143.2	30.9					
GRA1	e PKP	Z 10:59:01.4	143.2	38.1					
TNS	e PKP	Z 10:59:03.3	143.8	33.6					
STU	e PKP	Z 10:59:06.1	144.7	35.8					
WLF	e PKP	Z 10:59:07.8	145.1	30.5					
BFO	e PKP	Z 10:59:08.0	145.4	34.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	17:50:43.7	35.410N	140.205E	33.0N	5.3	5.5		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 18:02:52.6	80.5	41.7	0.9	32	5.3		
	e S	T 18:12:58.4							
BSEG	e P	Z 18:02:54.0	80.8	39.3	1.1	27	5.2		
BRG	e P	Z 18:02:58.4	81.6	41.6					
	e S	T 18:13:11.5							
CLL	e P	Z 18:02:59.1	81.7	41.0	1.0	17	5.1		
	e pP	Z 18:03:05.7							
	e sP	Z 18:03:08.8							
	e PP	Z 18:06:08.4							
	e S	N 18:13:13.6							
	e PS	N 18:14:11.2							
	e SS	E 18:18:31.6							
	e SSS	N 18:22:00.6							
	e SSSS	E 18:24:37.4							
	e LR	Z 18:29:50.4							
	e L	Z 18:38:25.3							
CLZ	e P	Z 18:03:02.5	82.4	39.2	1.3	29	5.3		
	e S	T 18:13:17.0							
WERD	e P	Z 18:03:03.8	82.6	40.4	1.2	12	5.0		
MOX	e P	Z 18:03:04.4	82.8	40.0	1.9	40	5.3		
	e S	T 18:13:22.6							
IBBN	e P	Z 18:03:05.4	83.0	37.3	0.9	12	5.2		
MANZ	e P	Z 18:03:06.2	83.1	40.2	1.2	11	5.0		
	e S	T 18:13:26.9							
ROTZ	e P	Z 18:03:07.1	83.2	40.3	1.4	56	5.6		
	e S	T 18:13:27.1							
GEC2	e P	Z 18:03:06.7	83.3	41.3	1.4	18	5.1		
	e S	T 18:13:27.7							
UBBA	e P	Z 18:03:07.0	83.3	38.8					
	e S	T 18:13:27.5							
WET	e P	Z 18:03:07.8	83.4	40.7					
	e S	T 18:13:29.5							
GRA1	e P	Z 18:03:09.5	83.7	39.6	1.1	49	5.6		
	e S	T 18:13:32.0							
	e L	Z 18:47:52.7							
BUG	e P	Z 18:03:09.8	83.9	36.9					
TNS	e P	Z 18:03:12.7	84.4	37.7	1.5	22	5.2		
FUR	e P	Z 18:03:14.9	84.8	39.5	0.6	20	5.5		
	e S	T 18:13:42.8							
STU	e P	Z 18:03:16.6	85.2	38.1	0.7	14	5.2		
	e S	T 18:13:47.1							
WLF	e P	Z 18:03:19.6	85.7	36.0	1.5	36	5.3		
	e S	T 18:13:51.3							
BFO	e P	Z 18:03:20.0	85.9	37.5	1.9	60	5.4		
	e S	T 18:13:52.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	20:43:16.2	18.700S	168.900E	33.0N				EMSC
Vanuatu Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WERD	e PKP	Z 21:02:44.9	143.2	38.9					
MOX	e PKP	Z 21:02:44.7	143.3	37.8					
MANZ	e PKP	Z 21:02:45.7	143.6	39.0					
ROTZ	e PKP	Z 21:02:46.7	143.8	39.4					
UBBA	e PKP	Z 21:02:46.4	143.8	35.3					
GEC2	e PKP	Z 21:02:46.7	143.8	42.3					
WET	e PKP	Z 21:02:47.6	144.0	40.9					
GRA1	e PKP	Z 21:02:48.3	144.2	38.0					
TNS	e PKP	Z 21:02:50.2	144.8	33.4					
WLF	e PKP	Z 21:02:53.9	146.1	30.2					
BFO	e PKP	Z 21:02:54.2	146.4	34.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	23:38:58.9	63.016N	172.604E	33.0N	5.5			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:49:44.6	66.3	9.1	1.3	40	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	23:41:32.7				4.7			SZGRF
Bering Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:52:54.8			0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/20	23:57:31.2	60.694N	167.715E	33.0N	5.0			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:08:27.5	68.0	12.2	0.8	7	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/04/21 00:06: 6.8
Eastern Siberia, Russia

59.432N 170.823E 33.0N 4.9 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:17:13.2	69.6	10.9	0.9	8	4.9		

Date Origin Time
2006/04/21 00:08:21.2
Eastern Siberia, Russia

Lat Long Depth mb Ms ML Source
62.127N 168.575E 33.0N 4.6 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:19:09.5	66.7	11.3	0.7	3	4.6		

Date Origin Time
2006/04/21 00:14:52.0
Eastern Siberia, Russia

Lat Long Depth mb Ms ML Source
60.057N 168.340E 33.0N 4.5 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:25:52.7	68.7	12.0	0.8	3	4.5		

Date Origin Time
2006/04/21 00:28:54.5
Eastern Siberia, Russia

Lat Long Depth mb Ms ML Source
60.609N 169.005E 33.0N 4.7 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:39:52.4	68.3	11.5	0.8	4	4.7		

Date Origin Time
2006/04/21 00:32:31.8
Eastern Siberia, Russia

Lat Long Depth mb Ms ML Source
60.294N 167.471E 33.0N 4.8 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 00:43:04.1	64.3	12.3	0.8	6	4.8		
IBBN	e P	Z 00:43:17.0	66.2	10.8	1.1	34	5.5		
CLZ	e P	Z 00:43:17.7	66.4	12.2	1.0	17	5.2		
CLL	e P	Z 00:43:17.9	66.5	13.5	0.9	8	4.9		
BUG	e P	Z 00:43:22.5	67.1	10.5	0.9	9	5.0		
MOX	e P	Z 00:43:23.7	67.4	12.7	0.9	5	4.7		
TANN	e P	Z 00:43:24.1	67.5	13.1	0.9	3	4.5		
ROTZ	e P	Z 00:43:29.5	68.1	12.9	0.8	4	4.7		
TNS	e P	Z 00:43:28.3	68.2	11.0	0.9	3	4.6		

GRA1	e P	Z	00:43:30.4	68.3	12.4	0.9	5	4.8
WET	e P	Z	00:43:32.2	68.6	13.2	0.9	4	4.6
GEC2	e P	Z	00:43:32.6	68.8	13.6	0.9	3	4.5
WLF	e P	Z	00:43:34.2	69.0	9.8	0.9	7	4.9
BFO	e P	Z	00:43:39.7	70.1	10.8	0.9	4	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	00:41:51.1	60.080N	169.510E	33.0N	4.6			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:52:52.6	68.8	11.4	0.9	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	00:51: 7.2	60.258N	169.577E	33.0N	5.7			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:02:07.7	68.7	11.3	1.0	46	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	01:30:10.9	60.903N	165.294E	33.0N	4.5			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:41:03.8	67.5	13.3	0.8	3	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	01:44: 5.9	59.820N	165.970E	33.0N	5.2			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 01:54:42.7	64.6	13.3	1.1	24	5.3		
IBBN	e P	Z 01:54:55.1	66.5	11.7	1.1	35	5.5		
CLZ	e P	Z 01:54:56.0	66.6	13.1	1.1	37	5.5		
CLL	e P	Z 01:54:56.0	66.7	14.4	1.1	26	5.4		
BRG	e P	Z 01:54:57.9	67.0	14.8	1.5	17	5.0		
BUG	e P	Z 01:55:00.7	67.4	11.4	1.0	20	5.3		
MOX	e P	Z 01:55:01.7	67.6	13.6	0.9	12	5.1		
UBBA	e P	Z 01:55:02.1	67.7	12.8					
TANN	e P	Z 01:55:02.4	67.7	14.0	1.6	29	5.3		

ROTZ	e P	Z	01:55:06.9	68.4	13.8	1.3	16	5.1
TNS	e P	Z	01:55:07.1	68.5	11.9	1.1	16	5.1
GRA1	e P	Z	01:55:08.5	68.6	13.3	0.9	17	5.3
WET	e P	Z	01:55:10.0	68.9	14.1	1.0	14	5.2
GEC2	e P	Z	01:55:10.8	69.0	14.5	0.9	10	5.0
FUR	e P	Z	01:55:17.6	70.1	13.2			
BFO	e P	Z	01:55:18.5	70.3	11.7	1.0	13	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	02:33:49.2	61.530N	164.390E	13.4	5.1			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 02:44:17.7	62.7	13.6	1.2	21	5.1		
IBBN	e P	Z 02:44:31.0	64.7	12.1					
CLZ	e P	Z 02:44:31.5	64.8	13.3	1.2	29	5.4		
CLL	e P	Z 02:44:32.5	64.9	14.6	1.1	17	5.2		
BRG	e P	Z 02:44:33.1	65.1	15.0	1.4	10	4.8		
BUG	e P	Z 02:44:36.3	65.6	11.7	1.1	23	5.3		
MOX	e P	Z 02:44:37.5	65.7	13.8	1.1	15	5.1		
TANN	e P	Z 02:44:38.0	65.8	14.2	1.6	16	5.0		
ROTZ	e P	Z 02:44:42.7	66.5	14.0	1.2	13	5.0		
TNS	e P	Z 02:44:42.5	66.6	12.2	1.3	12	5.0		
GRA1	e P	Z 02:44:44.2	66.7	13.5	1.4	38	5.5		
	e pP	Z 02:44:48.0							
WET	e P	Z 02:44:45.6	67.0	14.3	1.2	14	5.1		
GEC2	e P	Z 02:44:46.7	67.1	14.7	0.9	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	02:43:52.6	60.984N	167.594E	33.0N	4.6			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:54:47.1	67.7	12.1	0.8	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	03:05: 9.9	59.439N	166.621E	33.0N	4.6			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:16:12.7	69.0	13.1	0.8	4	4.6		

	e	PKPPKPbc	Z	05:12:06.9							
UBBA	e	P	Z	04:43:38.4	67.5	13.5	1.7	342	6.3		
TANN	e	P	Z	04:43:38.9	67.6	14.7	1.6	375	6.4		
	e	S	T	04:52:37.0							
	e	PKPPKPbc	Z	05:12:06.9							
ROTZ	e	P	Z	04:43:43.4	68.2	14.5	1.6	410	6.4		
	e	S	T	04:52:45.5							
TNS	e	P	Z	04:43:43.7	68.4	12.6	1.3	202	6.2		
	e	S	T	04:52:46.8							
	e	PKPPKPbc	Z	05:12:00.9							
GRA1	e	P	Z	04:43:44.8	68.5	14.0	1.6	611	6.6		
	e	pP	Z	04:43:50.4							
	e	PP	Z	04:46:11.4							
	e	S	T	04:52:48.3							
	e	L	Z	05:15:50.1			19.5	3637		5.6	
WET	e	P	Z	04:43:46.6	68.7	14.8	1.5	406	6.4		
	e	S	T	04:52:52.2							
	e	PKPPKPbc	Z	05:12:05.2							
GEC2	e	P	Z	04:43:47.2	68.9	15.2	1.5	281	6.3		
	e	S	T	04:52:53.1							
	e	PKPPKPbc	Z	05:12:03.2							
WLF	e	P	Z	04:43:49.1	69.2	11.4	1.4	332	6.3		
	e	S	T	04:52:58.1							
STU	e	P	Z	04:43:51.6	69.7	12.9	1.3	178	6.1		
	e	S	T	04:53:02.7							
FUR	e	P	Z	04:43:53.6	69.9	13.9	1.3	265	6.2		
	e	S	T	04:53:05.0							
BFO	e	P	Z	04:43:54.9	70.2	12.4	1.5	278	6.2		
	e	S	T	04:53:09.0							
	e	PKPPKPbc	Z	05:11:56.1							

Date 2006/04/21 Origin Time 06:55:35.4 Lat 19.160S Long 178.310W Depth 33.0N mb Ms ML Source SZGRF
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 07:15:07.0	144.6	14.2					
CLZ	e	PKPbc	Z 07:15:13.6	146.6	15.0					
CLL	e	PKPbc	Z 07:15:13.4	146.6	19.7					
BRG	e	PKPbc	Z 07:15:14.3	146.8	21.5					
MOX	e	PKPbc	Z 07:15:15.6	147.5	17.7					
TANN	e	PKPbc	Z 07:15:16.3	147.6	19.2					
ROTZ	e	PKPbc	Z 07:15:18.2	148.3	19.1					
TNS	e	PKPbc	Z 07:15:18.7	148.5	12.3					
GRA1	e	PKPbc	Z 07:15:19.3	148.5	17.4					
WET	e	PKPbc	Z 07:15:19.4	148.7	20.7					
GEC2	e	PKPbc	Z 07:15:19.6	148.8	22.3					

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WLF	e	PKPbc	Z	07:15:21.2	149.3	8.3			
STU	e	PKPbc	Z	07:15:22.4	149.8	14.2			
BFO	e	PKPbc	Z	07:15:23.1	150.3	12.8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	07:32:27.3	61.128N	167.563E	33.0N	4.6			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:43:20.9	67.6	12.1	0.9	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	07:40: 5.3	60.670N	164.870E	16.4	5.2	4.6		SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 07:50:38.2	63.6	13.6	1.1	20	5.3		
IBBN	e P	Z 07:50:50.6	65.5	12.1	0.8	22	5.5		
CLZ	e P	Z 07:50:51.5	65.6	13.4	1.0	30	5.5		
CLL	e P	Z 07:50:51.5	65.8	14.7	1.1	19	5.2		
	e pP	Z 07:50:56.1							
	e PP	Z 07:53:18.4							
	e S	N 07:59:39.1							
	e L	Z 08:18:24.0			22.0	309		4.5	
BRG	e P	Z 07:50:53.1	66.0	15.1	1.4	13	5.0		
BUG	e P	Z 07:50:56.5	66.5	11.7	0.9	20	5.4		
MOX	e P	Z 07:50:57.4	66.6	13.9	1.3	17	5.1		
UBBA	e P	Z 07:50:57.7	66.7	13.1	1.2	11	5.0		
TANN	e P	Z 07:50:58.2	66.7	14.3	1.6	20	5.1		
ROTZ	e P	Z 07:51:02.5	67.4	14.1	1.2	13	5.0		
TNS	e P	Z 07:51:02.7	67.5	12.2	1.4	23	5.2		
GRA1	e P	Z 07:51:04.0	67.6	13.6	0.8	16	5.3		
	e pP	Z 07:51:08.6							
	e L	Z 08:23:16.8			21.6	397		4.6	
WET	e P	Z 07:51:05.8	67.9	14.4	1.1	12	5.1		
GEC2	e P	Z 07:51:06.6	68.0	14.8	1.0	9	5.0		
WLF	e P	Z 07:51:08.2	68.3	11.0	1.1	23	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	08:59:17.4				4.7			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	09:10:20.2				0.7	3	4.7
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	09:46:10.8	30.300N	95.340E	33.0N				SZGRF

Xizang

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:56:28.8	61.8	75.7	0.9	5	4.7		
GEC2	e P	Z	09:56:33.7	62.5	74.5	1.3	16	5.0		
TANN	e P	Z	09:56:36.4	62.8	74.4	1.4	11	4.8		
WET	e P	Z	09:56:37.1	62.9	74.1	1.5	15	4.9		
ROTZ	e P	Z	09:56:39.0	63.1	73.9	1.4	20	5.1		
MOX	e P	Z	09:56:39.2	63.3	73.9	0.7	3	4.6		
CLZ	e P	Z	09:56:42.3	63.7	73.7	1.4	19	5.2		
GRA1	e P	Z	09:56:43.1	63.8	73.2	1.4	27	5.3		
TNS	e P	Z	09:56:52.6	65.3	71.6	1.4	17	5.1		
BFO	e P	Z	09:56:56.8	66.0	70.7	1.4	15	5.0		
WLF	e P	Z	09:57:04.4	66.9	69.8	1.2	33	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	11:14:24.0	61.731N	165.770E	33.0N	5.9	5.7		SZGRF

Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	11:24:46.2	62.7	12.8	1.1	81	5.8		
	e S	R	11:33:20.8							
IBBN	e P	Z	11:24:58.5	64.6	11.3	1.4	247	6.3		
	e S	R	11:33:45.1							
CLZ	e P	Z	11:24:59.6	64.8	12.6	1.2	185	6.2		
	e S	R	11:33:44.5							
CLL	i P	+ Z	11:24:59.6	64.9	13.8	1.2	54	5.7		
	e PP	Z	11:27:26.7							
	e PPP	Z	11:28:58.5							
	e S	E	11:33:46.5							
	e SS	N	11:38:06.5							
	e SSS	E	11:41:11.7							
	e SSSS	Z	11:42:01.7							
	e LQ	T	11:42:54.4							
	e LR	Z	11:45:55.1							
	e PKPPKP	Z	11:53:40.4							
	e L	Z	11:55:56.0			18.0	8048		6.0	
BRG	e P	Z	11:25:01.6	65.2	14.3	1.3	51	5.6		
	e S	R	11:33:48.3							
BUG	e P	Z	11:25:04.1	65.5	11.0	1.2	113	6.0		
	e S	R	11:33:54.2							

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MOX	e P	Z	11:25:05.7	65.7	13.1	1.2	72	5.8
	e S	R	11:33:56.5					
UBBA	e P	Z	11:25:05.9	65.8	12.3	1.9	161	5.9
	e S	R	11:33:57.6					
TANN	e P	Z	11:25:06.5	65.9	13.5	1.8	202	6.1
	e S	R	11:33:58.9					
ROTZ	e P	Z	11:25:10.9	66.5	13.3	2.2	281	6.1
	e S	R	11:34:05.7					
TNS	e P	Z	11:25:11.0	66.6	11.5	1.5	107	5.8
	e S	R	11:34:09.1					
GRA1	e P	Z	11:25:12.3	66.7	12.8	1.2	150	6.1
	e PP	Z	11:27:39.1					
	e S	R	11:34:10.5					
	e L	Z	11:55:51.8			20.3	4277	5.7
WET	e P	Z	11:25:14.1	67.0	13.6	1.2	94	5.9
	e S	T	11:34:11.3					
GEC2	e P	Z	11:25:14.8	67.2	13.9	1.2	62	5.7
	e S	R	11:34:14.8					
WLF	e P	Z	11:25:16.3	67.4	10.3	1.3	128	6.0
	e S	R	11:34:19.0					
STU	e S	R	11:34:21.6	67.9	11.7			
BFO	e P	Z	11:25:22.3	68.5	11.3	1.1	63	5.7
	e S	T	11:34:27.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	11:19:52.5	61.123N	166.370E	14.0	5.1			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:30:45.0	67.4	12.7	1.1	14	5.1		
	e pP	Z 11:30:49.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	15:50:24.3	14.805S	173.882W	10G	5.0			NEIC
Samoa Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 16:09:58.4	142.6	10.9					
MANZ	e PKPdf	Z 16:10:01.3	144.0	9.8					
ROTZ	e PKPdf	Z 16:10:01.7	144.2	10.0					
GRA1	e PKPdf	Z 16:10:02.2	144.4	8.4					
WLF	e PKPdf	Z 16:10:03.2	144.6	359.9					
WET	e PKPdf	Z 16:10:03.5	144.7	11.3					
GEC2	e PKPdf	Z 16:10:03.7	144.9	12.7					
BFO	e PKPdf	Z 16:10:06.8	145.9	3.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	16:17:17.2	59.948N	166.624E	33.0N	5.0			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:28:17.1	68.6	12.9	0.6	7	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	16:48:23.4	61.138N	166.682E	33.0N	4.8			SZGRF
Eastern Siberia, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:59:16.1	67.4	12.5	0.9	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	19:03: 3.3	18.400S	177.900W	490.0N				NEIC
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z 19:21:41.0	143.9	13.3					
IBBN	e PKP	Z 19:21:47.1	145.8	9.6					
CLZ	e PKP	Z 19:21:45.7	145.9	14.1					
CLL	e PKP	Z 19:21:47.7	146.0	18.7					
BRG	e PKP	Z 19:21:48.4	146.2	20.5					
BUG	e PKP	Z 19:21:49.5	146.7	9.0					
MOX	e PKP	Z 19:21:49.6	146.9	16.7					
TANN	e PKP	Z 19:21:50.4	146.9	18.2					
ROTZ	e PKP	Z 19:21:51.3	147.6	18.1					
TNS	e PKP	Z 19:21:52.0	147.8	11.3					
GRA1	e PKP	Z 19:21:53.2	147.9	16.4					
WET	e PKP	Z 19:21:53.2	148.0	19.6					
GEC2	e PKP	Z 19:21:53.3	148.1	21.2					
WLF	e PKP	Z 19:21:55.1	148.6	7.4					
BFO	e PKP	Z 19:21:57.3	149.6	11.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/21	20:29:13.2	36.674N	70.774E	33.0N	3.9			SZGRF
Hindu Kush, Afghanistan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 20:37:18.4 44.1 83.7 0.8 2 3.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/21 20:50:0.3 59.960N 166.550E 33.0N 5.4 4.2
Eastern Siberia, Russia

Table with columns: Sta, Phase, Time, Dist, BAz, T[s], A[nm], mb, MS, ML. Rows include stations like BSEG, IBBN, CLZ, CLL, BRG, BUG, MOX, TANN, ROTZ, TNS, GRA1, WET, GEC2, WLF, STU, FUR, BFO.

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/21 21:06:22.4 60.833N 167.158E 33.0N 4.6
Eastern Siberia, Russia

Table with columns: Sta, Phase, Time, Dist, BAz, T[s], A[nm], mb, MS, ML. Row for station GRA1.

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/21 23:36:21.3 61.129N 168.362E 33.0N 5.0
Eastern Siberia, Russia

Table with columns: Sta, Phase, Time, Dist, BAz, T[s], A[nm], mb, MS, ML. Row for station GRA1.

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/04/22 05:02:46.1
Northern Italy

44.840N 9.150E 10.0G

3.1 SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
DAVA	e Pn	Z	05:03:28.2	2.5	192.0					3.0
WTTA	e Pn	Z	05:03:34.4	3.0	216.3					3.3
	e Sn	N	05:04:09.5							
BFO	e Pn	Z	05:03:41.6	3.5	170.5					3.1
	e Sn	N	05:04:20.9							
KBA	e Pn	Z	05:03:43.0	3.7	234.0					
MOA	e Pn	Z	05:03:55.0	4.6	231.4					
ARSA	e Pn	Z	05:04:00.3	5.0	243.7					

Date Origin Time
2006/04/22 06:23:41.6
Tonga Islands region

Lat Long Depth
17.270S 172.410W 28.1

mb Ms ML Source
5.5 SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	06:43:16.4	145.4	4.7					
CLL	e PKPbc	Z	06:43:17.1	145.7	9.2					
BRG	e PKPbc	Z	06:43:18.5	146.0	10.9					
MOX	e PKPbc	Z	06:43:19.6	146.5	7.0					
	e pPKPbc	Z	06:43:27.9							
WERD	e PKPbc	Z	06:43:20.3	146.6	8.2					
MANZ	e PKPbc	Z	06:43:21.8	147.1	8.0					
ROTZ	e PKPbc	Z	06:43:22.5	147.3	8.2					
	e pPKPbc	Z	06:43:30.7							
GRA1	e PKPbc	Z	06:43:22.7	147.4	6.5					
	e L	Z	08:05:26.5			19.6	812		5.5	
WLF	e PKPbc	Z	06:43:23.3	147.6	357.4					
GEC2	e PKPbc	Z	06:43:24.2	148.0	11.1					
	e pPKPbc	Z	06:43:32.9							
STU	e PKPbc	Z	06:43:25.3	148.5	2.9					
BFO	e PKPbc	Z	06:43:26.4	148.9	1.4					

Date Origin Time
2006/04/22 06:41:33.1
Eastern Siberia, Russia

Lat Long Depth
61.123N 166.370E 33.0N

mb Ms ML Source
5.0 SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:52:25.6	67.4	12.7	0.9	10	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/04/22 07:21:57.2
Eastern Siberia, Russia

60.740N

164.970E

16.5

5.9

5.0

SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	07:32:23.0	62.5	15.2	1.2	288	6.3		
BSEG	e P	Z	07:32:29.9	63.6	13.5	1.0	81	5.9		
RUE	e P	Z	07:32:35.4	64.5	15.1	1.3	123	6.0		
IBBN	e P	Z	07:32:41.9	65.5	12.0	1.4	243	6.3		
CLZ	e P	Z	07:32:43.0	65.6	13.3	1.2	222	6.3		
	e pP	Z	07:32:47.7							
	e S	T	07:41:30.5							
CLL	i P	+ Z	07:32:43.4	65.7	14.6	1.1	114	6.0		
	e pP	Z	07:32:48.2							
	e PP	Z	07:35:09.1							
	e S	E	07:41:31.1							
	e PS	N	07:41:57.3							
	e SSS	E	07:48:59.0							
	e L	Z	07:59:23.0			22.0	880		4.9	
BRG	e P	Z	07:32:44.9	66.0	15.0	1.4	68	5.7		
	e S	T	07:41:34.4							
BUG	e P	Z	07:32:47.4	66.4	11.7	1.4	147	6.0		
MOX	e P	Z	07:32:48.9	66.6	13.8	1.4	118	5.9		
WERD	e P	Z	07:32:49.6	66.7	14.1	1.2	107	6.0		
MANZ	e P	Z	07:32:52.6	67.1	14.0	1.2	66	5.7		
ROTZ	e P	Z	07:32:54.2	67.3	14.0	1.3	92	5.8		
TNS	e P	Z	07:32:54.2	67.4	12.2	1.2	64	5.7		
GRA1	e P	Z	07:32:55.6	67.6	13.5	1.4	195	6.1		
	e pP	Z	07:33:00.2							
	e S	T	07:41:55.2							
	e L	Z	08:05:26.5			19.6	812		5.0	
GRFO	e P	Z	07:32:55.6	67.6	13.5	1.4	158	6.0		
WET	e P	Z	07:32:57.4	67.8	14.3	1.2	107	5.9		
	e pP	Z	07:33:02.0							
	e S	T	07:41:57.1							
GEC2	e P	Z	07:32:58.1	68.0	14.7	1.4	85	5.8		
WLF	e P	Z	07:32:59.6	68.3	11.0	1.4	105	5.9		
	e S	T	07:42:03.2							
STU	e P	Z	07:33:02.2	68.8	12.4	1.1	54	5.7		
FUR	e P	Z	07:33:04.5	69.0	13.4	1.4	129	6.0		
BFO	e P	Z	07:33:05.6	69.3	12.0	1.3	101	5.8		
	e S	T	07:42:14.6							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/22 14:36:28.4 4.5 SZGRF
Sea of Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	14:48:11.1			1.0	4	4.5			
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/22	16:48:16.7	45.855N	10.533E	10.0G			2.6	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WTTA	e Pn	Z 16:48:46.3	1.6	208.7					2.7
	e Sn	N 16:49:06.3							
KBA	e Pn	Z 16:48:53.8	2.3	238.7					2.5
	e Sn	N 16:49:23.5							
MOA	e Pn	Z 16:49:08.0	3.2	233.4					
GEC2	e Pn	Z 16:49:13.0	3.7	216.9					2.7
	e Sn	N 16:49:55.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/22	22:16:24.6	37.703N	21.023E	2.0G				THE

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:19:50.4	13.9	145.9	1.0	25			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/22	22:23:52.9	60.674N	165.266E	33.0N	4.6			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:34:47.1	67.7	13.4	0.8	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/22	23:23:15.4	5.190N	97.340E	28.8	5.2			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 23:35:31.9	81.8	91.8					
GEC2	e P	Z 23:35:32.8	81.9	91.4	1.2	39	5.4		
RUE	e P	Z 23:35:33.2	82.0	91.9	1.3	47	5.5		
CLL	e P	Z 23:35:34.9	82.4	91.2	1.1	15	5.0		
WET	e P	Z 23:35:35.2	82.5	90.8	1.2	21	5.1		
ROTZ	e P	Z 23:35:38.0	82.9	90.4	1.2	20	5.2		
MANZ	e P	Z 23:35:38.9	83.0	90.3	1.0	25	5.4		

	e pP	Z	23:35:46.9						
FUR	e pP	Z	23:35:48.5	83.5	89.5				
GRA1	e P	Z	23:35:41.6	83.5	89.6	1.2	30	5.4	
CLZ	e P	Z	23:35:44.0	84.0	89.2	0.9	19	5.3	
	e pP	Z	23:35:52.8						
BSEG	e P	Z	23:35:43.7	84.1	89.3	1.3	26	5.3	
TNS	e P	Z	23:35:50.0	85.3	87.5	1.1	15	5.1	
BFO	e P	Z	23:35:50.6	85.5	87.3	1.2	14	5.0	
WLF	e P	Z	23:35:57.5	86.8	85.7	1.3	26	5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	01:39: 9.4	59.000N	167.250E	11.0	5.1			SZGRF
Eastern Siberia, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	01:49:53.2	65.5	12.8	1.0	12	5.1		
CLZ	e P	Z	01:50:06.7	67.6	12.6	1.1	31	5.5		
CLL	e P	Z	01:50:06.5	67.7	14.0	1.2	18	5.2		
BUG	e P	Z	01:50:11.0	68.4	10.9	1.0	13	5.1		
MOX	e P	Z	01:50:12.7	68.6	13.2	1.0	9	5.0		
TANN	e P	Z	01:50:13.4	68.7	13.6	1.3	12	4.9		
ROTZ	e P	Z	01:50:17.2	69.3	13.4	1.3	12	4.9		
TNS	e P	Z	01:50:17.9	69.4	11.5	1.2	18	5.1		
GRA1	e P	Z	01:50:19.1	69.6	12.9	1.3	24	5.2		
	e pP	Z	01:50:22.2							
WET	e P	Z	01:50:20.9	69.8	13.7	1.2	15	5.0		
GEC2	e P	Z	01:50:21.2	70.0	14.1	0.9	7	4.8		
WLF	e P	Z	01:50:23.2	70.2	10.2	1.1	14	5.0		
BFO	e P	Z	01:50:28.7	71.3	11.3	1.0	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	05:31:56.9	44.530N	6.950W	10.0G				SZGRF
North Atlantic Ocean								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	05:34:23.8	10.3	245.0					
	e S	E	05:36:25.2							
BFO	e P	Z	05:34:35.3	11.2	255.8					
	e S	N	05:36:46.1							
BUG	e P	Z	05:34:43.5	11.7	239.5					
TNS	e P	Z	05:34:43.8	11.8	247.2					
	e S	N	05:37:02.6							
GRA1	e P	Z	05:35:06.0	13.4	254.2					
MOX	e P	Z	05:35:12.3	13.9	251.1					
ROTZ	e P	Z	05:35:14.9	14.0	255.4					

WET	e P	Z	05:35:19.2	14.3	258.7
TANN	e P	Z	05:35:18.3	14.3	253.3
BSEG	e P	Z	05:35:23.1	14.6	237.0
GEC2	e P	Z	05:35:25.8	14.8	260.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	10:15:18.8	2.000N	96.520E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 10:27:44.2	83.8	94.5	1.3	10	4.9		
GEC2	e P	Z 10:27:44.9	83.8	94.1	1.3	20	5.2		
WET	e P	Z 10:27:47.6	84.3	93.5	0.9	6	4.8		
CLL	e P	Z 10:27:47.3	84.4	93.8	1.0	6	4.8		
TANN	e P	Z 10:27:49.7	84.7	93.3	1.6	13	4.9		
ROTZ	e P	Z 10:27:49.7	84.8	93.1	1.1	8	4.8		
MOX	e P	Z 10:27:51.8	85.2	92.7	1.2	6	4.7		
GRA1	e P	Z 10:27:53.2	85.4	92.3	1.4	20	5.2		
CLZ	e P	Z 10:27:56.1	86.0	91.8	1.5	20	5.0		
BSEG	e P	Z 10:27:56.8	86.1	91.9	1.0	10	4.9		
TNS	e P	Z 10:28:01.9	87.2	90.2	1.0	7	4.7		
BFO	e P	Z 10:28:01.9	87.3	90.0	1.2	5	4.5		
IBBN	e P	Z 10:28:03.4	87.7	89.8	1.1	19	5.3		
BUG	e P	Z 10:28:05.7	88.0	89.3	0.9	6	4.9		
WLF	e P	Z 10:28:09.0	88.7	88.4	1.6	26	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	14:42:38.0	37.000N	15.000E	24.0G				INGV

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:45:47.1	13.0	166.5	0.9	7			
	e pP	Z 14:45:53.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	16:21:37.6	46.040N	13.586E	10.0N			3.0	SZGRF

Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pg	Z 16:21:51.8	0.8	235.2					2.7
	e Sg	N 16:22:04.0							
KBA	e Pg	Z 16:21:56.8	1.1	170.8					2.6
	e Sg	N 16:22:11.9							

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ARSA	e Pg	Z	16:22:09.9	1.8	228.4				2.2
WTTA	e Pg	Z	16:22:10.3	1.8	131.7				3.1
	e Sg	N	16:22:35.4						
MOA	e Pn	Z	16:22:10.3	1.9	194.6				2.5
FUR	e Pn	Z	16:22:21.2	2.6	142.6				3.5
GEC2	e Pn	Z	16:22:22.8	2.8	181.6				3.1
	e Sn	N	16:22:57.7						
WET	e Pn	Z	16:22:27.0	3.1	171.0				3.1
	e Sn	N	16:23:03.8						
GRA1	e Sn	N	16:23:23.6	4.0	155.6				3.6
BFO	e Pn	Z	16:22:42.3	4.2	120.7				
TANN	e Pn	Z	16:22:44.6	4.4	169.9				3.3
MOX	e Pn	Z	16:22:49.6	4.8	163.4				3.4
	e Sn	N	16:23:42.4						
CLL	e Pn	Z	16:22:55.7	5.3	175.6				
TNS	e Pn	Z	16:22:58.2	5.4	138.7				3.5
	e Sn	N	16:23:57.8						
CLZ	e Pn	Z	16:23:08.5	6.2	158.8				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	16:46:5.2	37.127N	22.593E	10.0G	4.1			SZGRF
Southern Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 16:49:22.9	13.4	147.8	1.8	11			
WET	e P	Z 16:49:30.5	13.9	146.0	1.5	12			
MANZ	e P	Z 16:49:42.3	14.9	145.7	1.1	5			
GRA1	e P	Z 16:49:43.0	15.0	142.6	1.2	23			
WERD	e P	Z 16:49:45.8	15.2	147.2	1.4	11			
MOX	e P	Z 16:49:49.7	15.6	145.7	1.2	8			
CLL	e P	Z 16:49:49.9	15.7	150.7	1.5	15	3.9		
UBBA	e P	Z 16:49:57.8	16.4	141.9	0.4	5			
TNS	e P	Z 16:49:58.3	16.6	136.9	2.2	72			
GTTN	e P	Z 16:50:05.1	17.0	143.3	0.8	5			
CLZ	e P	Z 16:50:05.4	17.1	144.9	2.0	63	4.4		
WLF	e P	Z 16:50:07.5	17.2	130.4	1.3	23			
BUG	e P	Z 16:50:13.4	18.0	136.9	1.4	15	3.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	20:12:40.3	1.698N	97.156E	33.0N	4.3			SZGRF
Northern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:25:18.1	86.1	92.0	0.9	2	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/23	23:26:55.2	60.880N	167.250E	33.0N	5.2			SZGRF

Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	23:37:26.4	63.7	12.3	0.9	12	5.1		
IBBN	e P	Z	23:37:39.0	65.6	10.8	0.9	17	5.3		
CLZ	e P	Z	23:37:39.8	65.8	12.1	1.2	35	5.4		
CLL	e P	Z	23:37:40.1	65.9	13.4	1.1	28	5.4		
BRG	e P	Z	23:37:42.1	66.2	13.8	1.1	13	5.1		
MOX	e P	Z	23:37:45.7	66.8	12.6	1.0	16	5.2		
UBBA	e P	Z	23:37:45.9	66.8	11.8	1.6	18	5.1		
TANN	e P	Z	23:37:46.2	66.9	13.0	1.4	21	5.2		
ROTZ	e P	Z	23:37:51.0	67.5	12.8	1.2	20	5.2		
GRA1	e P	Z	23:37:52.7	67.8	12.3	1.3	28	5.3		
WET	e P	Z	23:37:54.4	68.1	13.1	1.1	27	5.4		
GEC2	e P	Z	23:37:55.4	68.2	13.5	1.0	15	5.2		
WLF	e P	Z	23:37:56.3	68.4	9.8	1.0	9	5.0		
FUR	e P	Z	23:38:01.6	69.2	12.2	1.3	35	5.3		
BFO	e P	Z	23:38:02.4	69.5	10.8	1.2	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	04:28: 4.5	38.671N	139.513E	33.0G	5.0			SZGRF

Near west coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	04:39:57.9	77.6	38.3	1.0	24	5.3		
BRG	e P	Z	04:40:02.9	78.6	40.4	0.9	11	4.9		
CLL	e P	Z	04:40:03.0	78.6	39.8	0.9	24	5.2		
CLZ	e P	Z	04:40:07.1	79.2	38.1	1.1	28	5.1		
WERD	e P	Z	04:40:08.3	79.6	39.2	1.4	16	4.8		
GTTN	e P	Z	04:40:08.9	79.6	37.7	1.2	12	4.7		
MOX	e P	Z	04:40:09.2	79.7	38.8	1.2	18	4.8		
IBBN	e P	Z	04:40:09.9	79.8	36.3	1.2	32	5.1		
MANZ	e P	Z	04:40:11.2	80.0	39.0	0.9	10	4.8		
ROTZ	e P	Z	04:40:11.7	80.1	39.1	1.5	32	5.0		
UBBA	e P	Z	04:40:11.5	80.2	37.7	1.6	24	4.9		
GEC2	e P	Z	04:40:11.7	80.2	40.0	1.0	8	4.7		
WET	e P	Z	04:40:12.6	80.3	39.5	1.1	15	4.9		
GRA1	e P	Z	04:40:14.1	80.6	38.4	1.0	43	5.4		
BUG	e P	Z	04:40:14.5	80.7	35.8	1.2	20	5.0		
TNS	e P	Z	04:40:17.4	81.3	36.6	1.1	10	4.8		
FUR	e P	Z	04:40:20.7	81.8	38.3	0.8	38	5.6		
STU	e P	Z	04:40:22.0	82.1	36.9	1.1	27	5.3		
BFO	e P	Z	04:40:25.5	82.8	36.3	1.1	28	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	09:47:44.9	13.974N	91.372W	33.0N	4.7			SZGRF

Near coast of Guatemala

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:00:28.7	87.3	288.5	1.0	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	11:48: 7.2	44.099N	9.134E	10.0G			3.6	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 11:49:11.5	4.3	172.2					3.6
	e Sn	N 11:49:59.4							
GEC2	e Pn	Z 11:49:31.2	5.7	215.2					
	e Sn	N 11:50:34.5							
TNS	e Pn	Z 11:49:37.7	6.1	175.4					
	e Sn	N 11:50:46.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	15:16:45.6	82.160N	110.750E	33.0N	4.9	3.9		SZGRF

North of Severnaya Zemlya

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	i P	Z 15:24:05.4	38.2	12.5	1.0	35	5.0		
CLZ	i P	Z 15:24:22.3	40.2	12.0	1.1	55	5.1		
CLL	e P	Z 15:24:23.0	40.4	12.0	1.0	38	5.1		
	e pP	Z 15:24:26.0							
	e PP	Z 15:25:58.3							
	e PcP	Z 15:26:19.1							
	e (S)	N 15:30:46.3							
	e LR	Z 15:36:11.0							
	e L	Z 15:41:32.1			22.0	175		3.9	
GTTN	i P	Z 15:24:25.4	40.5	11.9	1.2	45	5.1		
BRG	i P	Z 15:24:25.5	40.7	12.0	1.2	26	4.8		
BUG	i P	Z 15:24:28.3	41.0	11.7	1.3	60	5.2		
MOX	i P	Z 15:24:30.1	41.2	11.8	1.1	34	5.0		
UBBA	i P	Z 15:24:30.5	41.3	11.7	1.5	28	4.8		
WERD	i P	Z 15:24:31.1	41.3	11.8	1.2	42	5.1		
MANZ	i P	Z 15:24:35.2	41.8	11.7	1.1	23	4.8		
ROTZ	i P	Z 15:24:37.0	42.0	11.6	1.1	34	5.0		
TNS	i P	Z 15:24:37.1	42.0	11.5	1.4	27	4.8		

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GRA1	e P	Z	15:24:38.7	42.2	11.6	1.2	48	5.1		
	e L	Z	15:42:26.0			22.0	173		3.9	
WET	i P	Z	15:24:41.2	42.5	11.5	1.1	21	4.8		
GEC2	i P	Z	15:24:42.9	42.7	11.5	1.1	30	4.9		
WLF	i P	Z	15:24:43.8	42.9	11.2	0.8	12	4.7		
STU	i P	Z	15:24:48.0	43.4	11.2	0.8	27	5.0		
BFO	i P	Z	15:24:51.8	43.9	11.1	1.3	20	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	15:28:56.4	52.503N	167.998W	33.0N	5.1			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:40:50.8	77.8	359.5	1.1	17	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	16:28: 7.5	20.151S	177.904W	33.0N				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 16:47:42.9	145.6	13.8					
CLZ	e PKPbc	Z 16:47:48.6	147.7	14.6					
CLL	e PKPbc	Z 16:47:48.2	147.7	19.4					
BRG	e PKPbc	Z 16:47:49.0	147.9	21.3					
MOX	e PKPbc	Z 16:47:50.7	148.6	17.3					
WERD	e PKPbc	Z 16:47:50.9	148.6	18.7					
MANZ	e PKPbc	Z 16:47:52.1	149.1	18.5					
ROTZ	e PKPbc	Z 16:47:52.6	149.3	18.8					
TNS	e PKPbc	Z 16:47:53.0	149.5	11.8					
GRA1	e PKPbc	Z 16:47:53.4	149.6	17.1					
GEC2	e PKPbc	Z 16:47:53.9	149.8	22.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/24	17:02: 6.7	82.420N	108.230E	33.0N	5.3	4.3		SZGRF

North of Severnaya Zemlya

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 17:09:13.5	36.8	12.7	1.2	222	5.8		
BSEG	e P	Z 17:09:21.8	37.8	12.3	1.2	77	5.3		
RUE	e P	Z 17:09:29.6	38.7	12.1	1.0	57	5.2		
IBBN	e P	Z 17:09:37.4	39.7	11.7	1.6	98	5.2		
CLZ	e P	Z 17:09:39.1	39.8	11.8	1.2	134	5.4		
CLL	e P	Z 17:09:39.0	40.0	11.8	1.1	83	5.4		

	e PP	Z	17:11:17.5									
	e PPP	Z	17:11:47.0									
	e S	E	17:16:01.9									
	e SS	E	17:19:05.8									
	e LR	Z	17:21:49.7									
	e L	Z	17:26:37.9			22.0		495			4.3	
GTTN	e P	Z	17:09:41.7	40.1	11.7	1.4		124		5.4		
BRG	e P	Z	17:09:42.2	40.3	11.7	1.4		64		5.1		
BUG	e P	Z	17:09:44.9	40.6	11.5	1.6		189		5.6		
MOX	e P	Z	17:09:46.9	40.8	11.6	1.8		220		5.6		
UBBA	e P	Z	17:09:47.0	40.8	11.5	1.5		79		5.2		
WERD	e P	Z	17:09:47.8	40.9	11.6	1.2		97		5.4		
MANZ	e P	Z	17:09:51.9	41.4	11.4	1.4		56		5.1		
ROTZ	e P	Z	17:09:53.8	41.6	11.4	1.2		79		5.3		
TNS	e P	Z	17:09:53.7	41.6	11.3	1.1		32		5.0		
GRA1	e P	Z	17:09:55.4	41.8	11.3	1.4		144		5.5		
	e L	Z	17:27:54.3			21.4		418			4.3	
GRFO	e P	Z	17:09:55.4	41.8	11.3	1.4		124		5.4		
WET	e P	Z	17:09:58.0	42.1	11.3	1.1		40		5.0		
GEC2	e P	Z	17:09:59.4	42.3	11.3	1.5		96		5.3		
WLF	e P	Z	17:10:00.5	42.5	11.0	1.8		99		5.2		
STU	e P	Z	17:10:04.2	43.0	11.0	1.3		110		5.4		
FUR	e P	Z	17:10:07.1	43.3	11.0	1.9		203		5.5		
BFO	e P	Z	17:10:08.5	43.5	10.9	1.6		76		5.2		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/24

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 17:29:06.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/24 21:10:26.0 12.813N 89.408W 33.0N 4.5 SZGRF
 Off coast of central America

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 21:23:08.2 87.0 286.3 1.1 5 4.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/24 21:16:15.0 16.940S 174.080W 33.0N SZGRF
 Tonga Islands

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

CLZ	e	PKPbc	Z	21:34:38.5	144.9	7.4
CLL	e	PKPbc	Z	21:34:38.8	145.2	11.9
GTTN	e	PKPbc	Z	21:34:39.3	145.2	6.8
BRG	e	PKPbc	Z	21:34:40.1	145.5	13.6
BUG	e	PKPbc	Z	21:34:39.7	145.5	2.3
MOX	e	PKPbc	Z	21:34:41.8	146.0	9.8
WERD	e	PKPbc	Z	21:34:42.3	146.1	11.0
MANZ	e	PKPbc	Z	21:34:44.2	146.6	10.8
TNS	e	PKPbc	Z	21:34:44.3	146.7	4.4
ROTZ	e	PKPbc	Z	21:34:44.9	146.8	11.0
GRA1	e	PKPbc	Z	21:34:45.6	147.0	9.3
WLF	e	PKPbc	Z	21:34:46.2	147.3	0.4
WET	e	PKPbc	Z	21:34:46.5	147.3	12.4
GEC2	e	PKPbc	Z	21:34:46.6	147.5	13.9
STU	e	PKPbc	Z	21:34:48.1	148.1	5.9
FUR	e	PKPbc	Z	21:34:49.3	148.5	9.8
BFO	e	PKPbc	Z	21:34:49.4	148.5	4.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/24

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPbc Z 22:59:44.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/25 04:26:55.0 52.853N 170.749E 33.0N 4.4
Near Islands, Aleutian Islands, United States

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 04:38:39.3 76.0 12.6 0.7 2 4.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/25 05:38: 9.9 19.962S 170.496E 33.0N
Vanuatu Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BRG e PKPbc Z 05:57:39.7 144.0 39.5
CLL e PKPbc Z 05:57:39.1 144.0 37.8
CLZ e PKPbc Z 05:57:41.2 144.5 33.4
TANN e PKPbc Z 05:57:43.1 144.9 37.7
IBBN e PKPbc Z 05:57:42.9 145.0 29.1
MOX e PKPbc Z 05:57:43.2 145.1 36.3
ROTZ e PKPbc Z 05:57:45.0 145.6 37.9

GEC2	e	PKPbc	Z	05:57:44.8	145.6	41.0
WET	e	PKPbc	Z	05:57:45.4	145.8	39.5
GRA1	e	PKPbc	Z	05:57:45.7	146.0	36.5
BFO	e	PKPbc	Z	05:57:55.5	148.2	33.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/25	12:22:44.3	60.588N	164.728E	33.0N	4.9			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:33:38.5	67.7	13.7	0.9	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/25	15:13:26.8	15.100S	177.100W	400.0N				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:32:19.1	144.7	14.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/25	16:58:21.2	43.886N	149.785E	33.0N	4.6			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:10:25.9	79.7	29.0	1.0	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/25	18:26:19.0	1.610N	96.400E	33.0N	5.6	6.1		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:38:46.6	84.0	94.5	0.9	52	5.6		
	e S	T 18:49:08.9							
BRG	e P	Z 18:38:46.3	84.0	94.8	1.0	25	5.3		
	e S	T 18:49:07.5							
RUE	e P	Z 18:38:47.4	84.2	94.9	0.8	62	5.8		
	e S	T 18:49:10.5							
WET	e P	Z 18:38:49.2	84.5	93.9	1.0	41	5.5		
	e S	T 18:49:13.9							
CLL	e P	Z 18:38:49.3	84.6	94.2	1.0	37	5.6		
	e pP	Z 18:38:55.3							

	e sP	Z	18:38:58.8								
	e PP	Z	18:42:09.7								
	e PPP	Z	18:44:02.2								
	e S	N	18:49:14.3								
	e SS	N	18:54:59.0								
	e SSS	N	18:58:17.9								
	e SSSS	N	19:01:22.1								
	e PKPPKPdf	Z	19:05:04.6								
	e L	Z	19:24:06.9			22.0	7831		6.1		
RGN	e P	Z	18:38:49.8	84.7	94.7	1.2	106		5.8		
WERD	e P	Z	18:38:51.3	85.0	93.5	0.8	24		5.4		
ROTZ	e P	Z	18:38:52.0	85.0	93.4	0.9	46		5.6		
	e S	T	18:49:21.0								
MANZ	e P	Z	18:38:52.5	85.1	93.3	0.9	73		5.8		
	e S	T	18:49:21.4								
MOX	e P	Z	18:38:53.6	85.4	93.0	1.1	34		5.4		
	e S	T	18:49:24.9								
FUR	e P	Z	18:38:53.8	85.5	92.6	0.8	35		5.8		
	e S	T	18:49:21.9								
GRA1	e P	Z	18:38:55.1	85.7	92.6	1.0	82		6.0		
	e S	T	18:49:27.1								
	e L	Z	19:24:44.4			21.1	8500		6.1		
CLZ	e P	Z	18:38:57.8	86.3	92.1	1.0	40		5.7		
	e S	T	18:49:30.6								
BSEG	e P	Z	18:38:58.4	86.4	92.2	1.0	51		5.8		
	e S	T	18:49:31.9								
GTTN	e P	Z	18:38:58.9	86.5	91.8	0.8	29		5.5		
STU	e P	Z	18:39:00.8	86.9	91.0	0.8	16		5.3		
	e S	T	18:49:36.9								
TNS	e P	Z	18:39:03.7	87.5	90.5	1.0	40		5.6		
	e S	T	18:49:42.8								
BFO	e P	Z	18:39:03.4	87.5	90.4	1.0	24		5.4		
	e S	T	18:49:42.8								
HLG	e P	Z	18:39:05.4	87.8	90.3	1.0	32		5.5		
	e S	T	18:49:47.0								
IBBN	e P	Z	18:39:05.8	87.9	90.1	0.9	85		6.0		
	e S	T	18:49:46.7								
BUG	e P	Z	18:39:07.2	88.2	89.7	0.9	71		5.9		
	e S	T	18:49:49.9								
WLF	e P	Z	18:39:11.3	88.9	88.8	1.0	38		5.7		
	e S	T	18:49:58.2								

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/26 01:46: 4.0 57.600S 146.900E 10.0N
 West of Macquarie Island

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

CLL	e PKPdf	Z	02:05:55.4	152.9	121.6						
	e PKPbc	Z	02:06:01.1								
	e PKPab	Z	02:06:13.7								
	e PP	Z	02:09:50.3								
	e PPP	Z	02:13:17.6								
	e SKSP	Z	02:20:06.5								
	e PPS	E	02:22:49.8								
	e SS	E	02:29:24.9								
	e SSS	E	02:36:12.0								
	e SSSS	N	02:39:41.9								
	e LR	Z	03:00:02.3								
	e L	Z	03:30:50.6			20.0	3272		6.1		
GRA1	e PKP	Z	02:05:56.8	153.1	124.1						
	e PP	Z	02:09:54.4								
	e L	Z	03:29:10.3			21.2	3118		6.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:43:42.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	05:55:55.0	42.286N	142.576E	33.0N	4.6			SZGRF
Hokkaido, Japan, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:07:54.1	78.6	34.5	1.0	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	11:11: 0.8	46.500N	149.500E	33.0N	5.0			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:22:32.6	73.8	27.9	1.0	12	4.9		
CLL	e P	Z 11:22:41.2	75.3	29.3	0.9	26	5.3		
BRG	e P	Z 11:22:41.6	75.4	29.9	1.0	8	4.8		
CLZ	e P	Z 11:22:43.3	75.6	27.7	1.2	26	5.2		
IBBN	e P	Z 11:22:44.7	75.9	26.1	0.7	28	5.5		
GTTN	e P	Z 11:22:45.3	76.0	27.4	1.2	19	5.1		
WERD	e P	Z 11:22:46.8	76.2	28.8	1.1	10	4.8		
MOX	e P	Z 11:22:46.6	76.3	28.4	1.1	13	4.9		
UBBA	e P	Z 11:22:48.6	76.6	27.4	0.8	5	4.7		

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MANZ	e P	Z	11:22:49.7	76.7	28.6	1.2	11	4.9
BUG	e P	Z	11:22:50.0	76.8	25.7	0.6	13	5.3
ROTZ	e P	Z	11:22:50.7	76.9	28.6	0.9	11	5.0
GEC2	e P	Z	11:22:52.2	77.2	29.5	1.3	13	4.9
GRA1	e P	Z	11:22:52.7	77.2	28.0	1.3	45	5.4
TNS	e P	Z	11:22:54.0	77.6	26.3	1.0	14	5.0
FUR	e P	Z	11:22:59.9	78.6	27.9	0.7	28	5.4
WLF	e P	Z	11:23:01.0	78.7	24.8	1.1	10	4.7
BFO	e P	Z	11:23:03.3	79.3	26.1	1.1	8	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	11:10:12.8	23.880S	179.520W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	11:30:02.0	150.9	24.1					
	e PKPab	Z	11:30:09.3							
CLZ	e PKPbc	Z	11:30:02.2	151.0	18.9					
	e PKPbc	Z	11:30:02.6	151.1	26.1					
BRG	e PKPab	Z	11:30:10.1							
	e PKPbc	Z	11:30:03.2	151.2	25.0					
FBE	e PKPbc	Z	11:30:10.6							
	e PKPbc	Z	11:30:03.2	151.3	21.9					
NEUB	e PKPab	Z	11:30:11.3							
	e PKPbc	Z	11:30:03.2	151.4	18.3					
GTTN	e PKPbc	Z	11:30:03.2	151.4	18.3					
MOX	e PKPbc	Z	11:30:04.1	151.9	22.0					
	e PKPab	Z	11:30:13.3							
TANN	e PKPbc	Z	11:30:04.8	151.9	23.8					
	e PKPab	Z	11:30:13.6							
WERD	e PKPbc	Z	11:30:04.8	151.9	23.4					
WERN	e PKPbc	Z	11:30:05.1	152.0	23.7					
	e PKPab	Z	11:30:14.6							
MANZ	e PKPbc	Z	11:30:05.7	152.4	23.4					
GEC2	e PKPbc	Z	11:30:07.1	153.0	27.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	14:10:33.4	42.200N	142.700E	33.0N	5.1			SZGRF
Hokkaido, Japan, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	14:22:17.1	75.6	36.5	0.7	18	5.2		
BSEG	e P	Z	14:22:17.3	75.6	34.4	0.9	18	5.1		
CLL	e P	Z	14:22:23.6	76.8	35.8	0.9	22	5.3		
BRG	e P	Z	14:22:23.7	76.8	36.4	1.0	7	4.7		
CLZ	e P	Z	14:22:26.8	77.3	34.2	0.7	20	5.4		

GTTN	e P	Z	14:22:28.9	77.7	33.8	0.8	15	5.2
WERD	e P	Z	14:22:29.1	77.7	35.3	0.8	6	4.8
IBBN	e P	Z	14:22:29.5	77.8	32.4	0.5	21	5.5
MOX	e P	Z	14:22:29.6	77.8	34.8	0.8	9	4.9
MANZ	e P	Z	14:22:31.8	78.2	35.1	1.0	8	4.8
ROTZ	e P	Z	14:22:32.9	78.3	35.1	0.9	9	4.9
GEC2	e P	Z	14:22:33.4	78.5	36.0	1.0	6	4.7
BUG	e P	Z	14:22:34.2	78.7	32.0	0.9	22	5.2
GRA1	e P	Z	14:22:35.2	78.8	34.5	0.8	30	5.3
TNS	e P	Z	14:22:37.6	79.3	32.7	0.8	9	4.8
STU	e P	Z	14:22:43.6	80.3	33.0	0.7	22	5.2
BFO	e P	Z	14:22:46.5	80.9	32.4	1.5	18	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	16:37:9.9	61.474N	164.118E	33.0N	5.0			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:47:58.2	66.7	13.7	1.6	15	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/26	16:38:52.3	4.290N	96.150E	73.2	5.5			SZGRF

Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 16:51:03.1	81.8	93.3	0.9	25	5.3		
GEC2	e P	Z 16:51:03.3	81.8	92.9	1.0	45	5.6		
RUE	e P	Z 16:51:04.0	82.0	93.4	0.9	106	6.0		
CLL	e P	Z 16:51:05.7	82.4	92.7	1.0	24	5.3		
	e sP	Z 16:51:34.1							
WERD	e P	Z 16:51:08.1	82.8	92.0	1.0	19	5.3		
ROTZ	e P	Z 16:51:09.0	82.8	91.8	1.0	27	5.4		
MANZ	e P	Z 16:51:09.3	82.9	91.8	1.1	41	5.6		
MOX	e P	Z 16:51:10.4	83.2	91.5	0.9	16	5.2		
	e sP	Z 16:51:38.6							
GRA1	e P	Z 16:51:12.0	83.4	91.1	1.0	42	5.6		
	e pP	Z 16:51:31.5							
CLZ	e P	Z 16:51:14.8	84.0	90.7	1.0	52	5.7		
BSEG	e P	Z 16:51:15.0	84.1	90.8	0.9	61	5.8		
	e pP	Z 16:51:34.5							
	e sP	Z 16:51:42.9							
UBBA	e P	Z 16:51:15.5	84.2	90.3	1.6	17	5.0		
GTTN	e P	Z 16:51:15.8	84.3	90.3					
	e sP	Z 16:51:43.9							
TNS	e P	Z 16:51:21.0	85.2	89.0	1.0	26	5.4		

	e pP	Z	16:51:40.6							
	e sP	Z	16:51:48.9							
BFO	e P	Z	16:51:20.7	85.3	88.8	0.9		22	5.4	
	e pP	Z	16:51:40.8							
	e sP	Z	16:51:49.3							
IBBN	e P	Z	16:51:23.1	85.6	88.6	0.9		70	5.8	
	e pP	Z	16:51:41.9							
BUG	e P	Z	16:51:24.4	85.9	88.2	1.0		54	5.6	
WLF	e P	Z	16:51:28.5	86.7	87.2	1.2		30	5.3	

Date 2006/04/27
 Origin Time 04:18:38.0
 Lat 1.450N
 Long 30.320E
 Depth 33.0N
 mb 5.3
 Ms 4.4
 ML
 Source SZGRF
 Uganda

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	04:27:24.9	49.5	157.9	1.8	107	5.6		
FUR	e P	Z	04:27:24.2	49.5	154.6	1.2	77	5.6		
BFO	e P	Z	04:27:32.3	50.6	151.0	1.1	28	5.1		
STU	e P	Z	04:27:33.5	50.7	152.2	1.4	42	5.2		
ROTZ	e P	Z	04:27:33.6	50.7	156.3	1.1	24	5.0		
GRFO	e P	Z	04:27:35.1	50.9	155.1	1.8	100	5.4		
	e L	Z	04:52:40.3			18.6	327		4.4	
MANZ	e P	Z	04:27:35.5	51.0	156.3	1.1	31	5.1		
WERD	e P	Z	04:27:38.5	51.3	156.7	1.6	70	5.3		
BRG	e P	Z	04:27:37.9	51.3	158.8	1.7	48	5.2		
MOX	e P	Z	04:27:40.8	51.7	155.9	1.3	25	5.0		
CLL	e P	Z	04:27:42.4	51.9	157.8	1.4	33	5.1		
TNS	e P	Z	04:27:44.6	52.2	151.9	1.1	60	5.4		
WLF	e P	Z	04:27:46.3	52.4	148.9	1.5	75	5.4		
RUE	e P	Z	04:27:49.2	52.9	159.1	1.3	90	5.5		
GTTN	e P	Z	04:27:50.4	52.9	154.2	1.1	82	5.6		
CLZ	e P	Z	04:27:51.5	53.1	154.8	1.4	43	5.2		
BUG	e P	Z	04:27:55.4	53.6	150.9	1.3	93	5.5		
IBBN	e P	Z	04:28:00.2	54.2	151.8	1.4	46	5.3		
RGN	e P	Z	04:28:04.7	54.9	159.1					
BSEG	e P	Z	04:28:05.4	55.0	155.3	1.4	112	5.7		
HLG	e P	Z	04:28:11.1	55.9	152.5					

Date 2006/04/27
 Origin Time 14:48:25.9
 Lat 6.200S
 Long 147.700E
 Depth 90.0N
 mb
 Ms
 ML
 Source NEIC
 Eastern New Guinea, Papua New Guinea, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	15:07:11.3	123.3	55.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/27	16:35:27.4	24.800S	106.000W	33.0N				GSRC

Easter Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 16:54:26.0	126.0	273.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/27	17:54:37.6	0.178S	31.427E	33.0N	4.4			SZGRF

Lake Victoria region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:03:49.9	52.8	154.3	0.8	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/27	19:13: 6.7	17.740S	173.350W	76.3				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GTTN	e PKPbc	Z 19:32:37.5	146.1	5.7					
MOX	e PKPbc	Z 19:32:40.0	146.9	8.7					
WERD	e PKPbc	Z 19:32:39.8	147.0	9.9					
MANZ	e PKPbc	Z 19:32:41.8	147.5	9.7					
TNS	e PKPbc	Z 19:32:41.6	147.5	3.2					
	e pPKPbc	Z 19:33:02.9							
ROTZ	e PKPbc	Z 19:32:42.0	147.7	9.9					
	e pPKPbc	Z 19:33:03.4							
GRA1	e PKPbc	Z 19:32:42.9	147.8	8.2					
	e pPKPbc	Z 19:33:04.2							
WLF	e PKPbc	Z 19:32:43.5	148.1	359.1					
	e pPKPbc	Z 19:33:05.2							
BFO	e PKPbc	Z 19:32:46.4	149.4	3.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/27	19:40: 5.7	60.950N	168.069E	33.0N	4.7			SZGRF

Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:51:00.7	67.8	11.9	1.6	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/27	23:39:18.2				4.9			SZGRF

Southwest of Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:52:40.2			1.0	5	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	03:41:44.2	46.142N	154.134E	33.0N	4.4			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:53:44.7	78.9	25.2	1.2	5	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	04:19:45.5	27.702N	127.963E	33.0N	4.7			SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:32:15.2	84.4	52.6	1.2	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	07:22:48.6	4.610N	31.750W	33.0N	5.1	4.6		SZGRF

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 07:32:19.6	55.5	231.2	1.3	18	4.9		
TNS	e P	Z 07:32:28.7	56.7	230.3	1.1	13	4.9		
FUR	e P	Z 07:32:30.3	56.9	234.3	0.4	22	5.5		
BUG	e P	Z 07:32:30.5	56.9	228.5					
IBBN	e P	Z 07:32:34.9	57.7	228.6	0.8	11	5.0		
GRA1	e P	Z 07:32:36.2	57.8	233.4	0.9	24	5.2		
	e L	Z 07:53:23.5			21.5	470		4.6	
UBBA	e P	Z 07:32:36.7	57.9	231.6					
ROTZ	e P	Z 07:32:40.0	58.3	234.4	1.3	18	5.0		
MOX	e P	Z 07:32:41.8	58.6	233.3	1.8	53	5.3		
GEC2	e P	Z 07:32:41.7	58.6	236.3	1.7	32	5.1		
CLZ	e P	Z 07:32:42.3	58.7	231.5	0.8	8	4.8		
TANN	e P	Z 07:32:43.8	58.9	234.3	1.4	49	5.3		
CLL	e P	Z 07:32:49.2	59.7	234.4	1.7	33	5.1		
	e PP	Z 07:34:50.7							
	e S	E 07:41:12.3							

	e (SSS)	E	07:47:58.8								
	e LR	Z	07:50:08.3								
	e L	Z	07:57:30.8			18.0	499		4.7		
BRG	e P	Z	07:32:51.1	59.9	235.5	1.6	30		5.1		
BSEG	e P	Z	07:32:51.7	60.0	230.5	1.5	43		5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	08:59:59.4	56.069N	159.268W	33.0N	4.8			SZGRF

Alaska Peninsula, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:11:31.8	73.9	354.5	1.2	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	09:05:30.7	24.175N	121.916E	33.0N	5.2			SZGRF

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 09:17:49.4	82.5	60.6					
	e PP	Z 09:21:00.5							
	e PPP	Z 09:22:44.1							
	e S	E 09:28:04.6							
	e SS	E 09:33:35.0							
	e SSS	Z 09:37:13.8							
	e L	Z 09:58:28.4			18.0	2275		5.6	
GRA1	e P	Z 09:17:58.3	84.0	59.1	1.3	20	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/28	13:41:59.7	77.830N	9.910E	33.0N	4.5			SZGRF

Svalbard, Norway, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:47:12.5	23.9	359.8	1.9	66	4.9		
IBBN	e P	Z 13:47:26.1	25.5	1.1	0.7	9	4.6		
CLL	e P	Z 13:47:35.8	26.5	358.5	0.7	3	4.3		
BRG	e P	Z 13:47:39.4	27.0	358.1	0.9	4	4.2		
MOX	e P	Z 13:47:41.8	27.2	359.2	1.2	10	4.5		
TANN	e P	Z 13:47:42.6	27.4	358.8					
TNS	e P	Z 13:47:45.1	27.6	0.7	1.0	7	4.4		
ROTZ	e P	Z 13:47:49.9	28.1	359.0	1.1	5	4.2		
GRA1	e P	Z 13:47:50.4	28.1	359.4	0.9	10	4.7		
GEC2	e P	Z 13:47:58.6	29.0	358.4	1.6	13	4.6		
STU	e P	Z 13:47:59.0	29.1	0.3	0.4	11	5.2		

BFO e P Z 13:48:02.3 29.5 0.7 0.9 4 4.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/28 14:58:40.3 60.387N 166.697E 15.4 4.9 SZGRF
Eastern Siberia, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 15:09:37.6 68.2 12.8 1.0 8 4.9
e pP Z 15:09:41.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/28 18:01:26.7 41.560N 80.990E 33.0N 5.4 4.2 SZGRF
Southern Xinjiang, China

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
RGN e P Z 18:09:41.8 45.1 77.5 1.1 109 5.7
RUE e P Z 18:09:42.7 45.4 75.8 1.2 51 5.4
BRG e P Z 18:09:45.6 45.7 74.4 0.9 27 5.2
CLL i P + Z 18:09:48.8 46.1 74.2 0.9 57 5.6
e PPP Z 18:12:10.9
e S R 18:16:34.9
e (SS) Z 18:20:02.8
e LQ T 18:24:12.4
e L Z 18:32:51.0 18.0 199 4.1
GEC2 e P Z 18:09:51.8 46.4 72.4 0.9 18 5.2
WERD e P Z 18:09:54.3 46.8 73.0 1.0 29 5.4
BSEG e P Z 18:09:57.1 47.0 74.9 1.1 39 5.4
MANZ e P Z 18:09:56.7 47.0 72.5 1.2 27 5.2
ROTZ e P Z 18:09:57.0 47.0 72.4 1.3 28 5.2
MOX e P Z 18:09:57.2 47.1 72.8 1.0 36 5.4
CLZ e P Z 18:10:00.3 47.5 73.1 1.1 31 5.3
GRA1 e P Z 18:10:02.0 47.7 71.7 0.9 79 5.8
e L Z 18:33:20.6 18.1 252 4.2
GTTN e P Z 18:10:03.0 47.9 72.6 1.0 78 5.8
FUR e P Z 18:10:05.5 48.1 70.5 1.0 80 5.8
IBBN e P Z 18:10:10.9 48.9 71.9 1.2 52 5.5
TNS e P Z 18:10:13.1 49.2 70.6 1.2 20 5.0
STU e P Z 18:10:13.4 49.2 69.8 0.8 25 5.3
BUG e P Z 18:10:15.5 49.5 70.8 1.1 29 5.1
BFO e P Z 18:10:18.4 49.9 69.0 1.1 32 5.2
WLF e P Z 18:10:25.4 50.8 68.8 1.0 37 5.3

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/04/29 04:06:13.2 11.275S 118.459E 30.0G 5.3 NEIC
South of Sumbawa, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
CLL	e Pdiff	Z 04:20:33.4	108.4	85.1						
	e PKiKP	Z 04:24:42.6								
	e PP	Z 04:25:05.5								
	e PPP	Z 04:27:33.0								
	e SP	Z 04:34:22.2								
	e PPS	Z 04:35:23.8								
	e SS	E 04:40:15.1								
GRA1	e L	Z 05:15:43.0			20.0	747		5.3		
	e Pdiff	Z 04:20:38.6	109.7	84.2						
	e PP	Z 04:25:11.3								
	e SP	R 04:34:39.7								
	e SS	T 04:40:34.7								
	e L	Z 05:17:22.2				22.0	821		5.3	

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/29 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:09:21.2							
	e pP	Z 10:09:27.8							

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/29 10:28:41.8 5.258N 94.911E 33.0N 4.5 SZGRF
Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:40:58.5	81.9	91.4	1.0	4	4.5		

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/29 12:58: 4.7 44.962N 11.970E 10.0G 3.0 SZGRF
Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WTTA	e Pn	Z 12:58:43.0	2.3	174.1					3.1
	e Sn	E 12:59:11.0							
KBA	e Pn	Z 12:58:42.2	2.3	204.8					2.8
	e Sn	E 12:59:10.7							
OBKA	e Pn	Z 12:58:42.3	2.4	230.2					2.8

DAVA	e Pn	Z	12:58:48.7	2.7	147.3						3.1
	e Sn	N	12:59:21.8								
MOA	e Pn	Z	12:58:55.5	3.3	209.6						3.0
	e Sn	N	12:59:34.3								
ARSA	e Pn	Z	12:58:55.7	3.4	228.4						
GEC2	e Pn	Z	12:59:04.8	4.1	197.6						3.2
	e Sn	N	12:59:50.1								
BFO	e Pn	Z	12:59:06.7	4.2	142.1						3.0
	e Sn	N	12:59:52.5								
GRA1	e Sn	E	13:00:05.1	4.8	173.6						3.2
MOX	e Sn	N	13:00:27.3	5.7	177.5						
BRG	e Sn	N	13:00:36.6	6.1	193.3						

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/29 12:57:57.6 60.692N 167.233E 33.0N 4.9 4.7
 Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	13:08:33.6	64.9	14.0	0.8	16	5.3		
IBBN	e P	Z	13:08:40.5	65.8	10.8	0.7	12	5.2		
CLZ	e P	Z	13:08:40.8	65.9	12.2	1.3	22	5.2		
CLL	e P	Z	13:08:41.2	66.1	13.5	1.1	13	5.1		
	e pP	Z	13:08:48.7							
	e		13:08:56.5							
	e PcP	Z	13:09:12.5							
	e S	E	13:17:28.7							
	e SSS	E	13:24:59.6							
	e L	Z	13:37:09.3			22.0	410		4.6	
GTTN	e P	Z	13:08:43.3	66.3	11.9	1.3	11	4.9		
BRG	e P	Z	13:08:43.0	66.4	13.9	1.2	7	4.8		
MOX	e P	Z	13:08:46.9	67.0	12.7	0.8	5	4.8		
WERD	e P	Z	13:08:47.6	67.0	13.0	0.9	9	5.0		
MANZ	e P	Z	13:08:50.8	67.5	12.9	1.0	5	4.6		
ROTZ	e P	Z	13:08:51.8	67.7	12.9	1.2	9	4.8		
TNS	e P	Z	13:08:52.9	67.8	11.0	1.5	13	4.8		
GRA1	e P	Z	13:08:53.5	67.9	12.4	0.8	9	4.9		
	e x	Z	13:09:11.6							
	e L	Z	13:40:49.3			20.4	403		4.7	
GEC2	e P	Z	13:08:55.5	68.4	13.6	1.1	8	4.7		
STU	e P	Z	13:09:00.4	69.1	11.3	0.4	7	5.1		
BFO	e P	Z	13:09:03.2	69.7	10.8	1.2	11	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/29 16:58:7.8 60.118N 165.820E 14.5 6.5 6.5
 Eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	17:08:36.1	63.3	14.9	1.3	978	6.9		
BSEG	e P	Z	17:08:43.8	64.3	13.3	1.3	465	6.6		
HLG	e P	Z	17:08:43.1	64.3	12.0	1.1	625	6.7		
RUE	e P	Z	17:08:48.4	65.2	14.9	1.4	503	6.6		
IBBN	e P	Z	17:08:54.9	66.2	11.7	1.3	987	6.9		
CLZ	e P	Z	17:08:56.0	66.3	13.1	1.4	894	6.8		
CLL	e P	Z	17:08:56.3	66.4	14.4	1.4	484	6.5		
	e pP	Z	17:09:00.5							
	e PP	Z	17:11:24.7							
	e S	E	17:17:51.0							
	e ScS	E	17:18:54.1							
	e SS	N	17:22:09.7							
	e SSS	E	17:25:20.9							
	e LR	Z	17:29:45.9							
	e PKPPKPdf	Z	17:37:25.2							
	e PKPPKpab	Z	17:37:31.5							
	e L	Z	17:39:00.2			22.0	27650		6.4	
GTTN	e P	Z	17:08:57.8	66.7	12.8	1.4	431	6.5		
BRG	e P	Z	17:08:58.0	66.7	14.8	1.6	334	6.3		
BUG	e P	Z	17:09:00.4	67.1	11.4	1.4	654	6.7		
MOX	e P	Z	17:09:01.9	67.3	13.6	1.2	336	6.4		
UBBA	e P	Z	17:09:02.2	67.4	12.8	1.7	548	6.5		
WERD	e P	Z	17:09:02.6	67.4	13.9	1.4	538	6.6		
MANZ	e P	Z	17:09:05.7	67.9	13.8	1.3	279	6.3		
ROTZ	e P	Z	17:09:07.2	68.1	13.8	1.5	485	6.5		
TNS	e P	Z	17:09:07.3	68.2	11.9	1.4	388	6.4		
	e pP	Z	17:09:11.4							
GRA1	e P	Z	17:09:08.5	68.3	13.3	1.4	634	6.7		
	e PP	Z	17:11:39.1							
	e S	R	17:18:11.5							
	e SS	R	17:22:42.9							
	e P'P'df	Z	17:37:23.1							
	e L	Z	17:41:25.8			22.0	27989		6.5	
GRFO	e P	Z	17:09:08.5	68.3	13.3	1.4	562	6.6		
GEC2	e P	Z	17:09:11.1	68.7	14.5	1.4	282	6.3		
WLF	e P	Z	17:09:12.5	69.0	10.7	1.4	546	6.6		
STU	e P	Z	17:09:15.2	69.5	12.2	1.4	341	6.3		
FUR	e P	Z	17:09:17.4	69.8	13.2	1.6	689	6.5		
BFO	e P	Z	17:09:18.5	70.0	11.7	1.3	380	6.4		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/29 17:08:48.6 1.576N 96.718E 33.0N 5.2
 Off west coast of northern Sumatra, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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Thu Apr 23 08:38:25 2020

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GRA1 e P Z 17:21:25.5 85.9 92.4 1.0 19 5.2

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/29 20:57:39.1 27.150S 26.983E 33.0N 4.8
South Africa

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 21:09:35.2 78.1 165.7 1.1 9 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/29 23:42:38.6 60.257N 166.315E 33.0N 5.2 4.8
Eastern Siberia, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
CLL e P Z 23:53:23.9 66.7 14.1 1.4 27 5.3
e PcP Z 23:53:53.1
e PP N 23:55:50.6
e SS N 00:06:38.3
e LR Z 00:14:14.1
e L Z 00:21:16.1 22.0 632 4.8
GRA1 e P Z 23:53:36.4 68.2 13.0 1.6 27 5.2
e L Z 00:23:03.8 21.9 557 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30 00:01:29.0 36.829N 135.734E 33.0N 4.4
Sea of Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 00:13:38.5 80.6 42.0 0.9 4 4.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30 00:10: 6.1 8.674S 91.206E 33.0N 4.6
South Indian Ocean

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 00:23:03.6 90.2 103.2 1.2 5 4.6

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30 00:43:12.5 43.980N 102.100E 33.0N 5.7 5.7
SZGRF

Mongolia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	00:52:41.9	54.9	61.5	12.8				
RUE	e P	Z	00:52:47.3	55.7	60.5	1.5	195	5.9		
BRG	e P	Z	00:52:52.4	56.4	59.7	1.4	80	5.6		
	e PcP	Z	00:53:48.9							
CLL	i P	+ Z	00:52:54.1	56.7	59.4	0.7	47	5.6		
	e sP	Z	00:53:09.1							
	e PP	Z	00:54:58.2							
	e PPP	E	00:56:16.6							
	e S	N	01:00:46.5							
	e SS	E	01:04:37.3							
	e SSS	Z	01:07:04.2							
	e LR	Z	01:12:28.5							
	e L	Z	01:19:49.4			20.0	7353		5.8	
BSEG	e P	Z	00:52:56.3	56.8	59.3	1.8	180	5.8		
WERD	e P	Z	00:53:00.3	57.5	58.5	1.7	86	5.5		
GEC2	e P	Z	00:53:01.0	57.6	58.4	1.5	62	5.4		
	e PcP	Z	00:53:53.7							
MOX	e P	Z	00:53:02.2	57.8	58.3	1.3	84	5.6		
CLZ	e P	Z	00:53:02.8	57.8	58.2	1.3	108	5.7		
MANZ	e P	Z	00:53:03.3	57.9	58.2	1.7	85	5.5		
ROTZ	e P	T	00:53:01.8	57.9	58.1					
	e P	Z	00:53:03.7			1.5	98	5.6		
	e PcP	Z	00:53:55.0							
GTTN	e P	Z	00:53:05.3	58.2	57.8	0.9	88	5.8		
GRA1	e P	Z	00:53:07.9	58.5	57.5	1.2	166	5.9		
	e PcP	Z	00:53:57.3							
	e PP	Z	00:55:14.3							
	e L	Z	01:20:46.0			21.2	5829		5.7	
GRFO	e P	Z	00:53:07.9	58.5	57.5					
UBBA	e P	Z	00:53:07.4	58.6	57.4	2.0	128	5.6		
IBBN	e P	Z	00:53:09.8	58.9	56.9	0.8	43	5.5		
FUR	e P	Z	00:53:13.4	59.3	56.8	1.3	144	5.8		
	e PcP	Z	00:54:01.2							
BUG	e P	Z	00:53:15.3	59.7	56.2					
TNS	e P	Z	00:53:15.9	59.7	56.3	1.5	94	5.6		
STU	e P	Z	00:53:18.4	60.1	56.0	1.3	95	5.7		
BFO	e P	Z	00:53:23.0	60.8	55.3	1.3	55	5.2		
WLF	e P	Z	00:53:26.7	61.2	54.7	1.7	113	5.4		

Date 2006/04/30 Origin Time 03:08:56.3 Lat 13.345N Long 48.780E Depth 33.0N mb 4.9 Ms ML Source SZGRF
 Eastern Gulf of Aden

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GEC2	e P	Z	03:17:15.4	45.7	128.7	1.3	14	4.8
BRG	e P	Z	03:17:24.1	46.9	130.4	1.2	13	4.9
ROTZ	e P	Z	03:17:25.6	47.1	127.7	1.2	9	4.8
WERD	e P	Z	03:17:28.8	47.5	128.3	1.2	19	5.1
GRA1	e P	Z	03:17:28.9	47.5	126.5	1.2	16	5.0
CLL	e P	Z	03:17:29.9	47.7	129.7	1.2	13	4.9
MOX	e P	Z	03:17:32.5	47.9	127.6	1.6	25	5.1
BFO	e P	Z	03:17:35.6	48.3	122.3	1.2	18	5.1
CLZ	e P	Z	03:17:42.7	49.3	127.1	0.9	11	4.9
GTTN	e P	Z	03:17:42.9	49.3	126.4	1.4	15	4.8
TNS	e P	Z	03:17:44.8	49.3	123.8	1.4	14	4.8
WLF	e P	Z	03:17:50.2	50.3	121.0	0.9	14	4.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 07:23:07.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30 07:27:53.9 22.039S 178.169W 33.0N SZGRF
South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 07:47:35.3	147.5	14.7					
RUE	e PKPbc	Z 07:47:36.0	148.2	21.4					
IBBN	e PKPbc	Z 07:47:39.5	149.4	10.8					
CLL	e PKPbc	Z 07:47:39.5	149.5	20.7					
	e PKPab	Z 07:47:44.1							
CLZ	e PKPbc	Z 07:47:39.4	149.5	15.7					
BRG	e PKPbc	Z 07:47:40.0	149.7	22.6					
	e PKPab	Z 07:47:45.0							
GTTN	e PKPbc	Z 07:47:40.4	149.8	15.1					
BUG	e PKPbc	Z 07:47:41.5	150.3	10.2					
MOX	e PKPbc	Z 07:47:41.8	150.4	18.6					
WERD	e PKPbc	Z 07:47:42.0	150.4	20.0					
MANZ	e PKPbc	Z 07:47:43.4	150.9	19.9					
ROTZ	e PKPbc	Z 07:47:43.7	151.1	20.2					
TNS	e PKPbc	Z 07:47:44.2	151.3	12.9					
	e PKPab	Z 07:47:51.8							
GRA1	e PKPbc	Z 07:47:44.3	151.4	18.4					
GEC2	e PKPbc	Z 07:47:44.5	151.6	23.6					
WLF	e PKPbc	Z 07:47:46.6	152.2	8.6					
STU	e PKPbc	Z 07:47:47.2	152.6	15.0					
FUR	e PKPbc	Z 07:47:47.6	152.8	19.4					

BFO	e PKPbc	Z	07:47:48.7	153.2	13.5
	e PKPab	Z	07:47:59.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/30	07:52: 7.2	5.680N	94.890E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:04:22.0	81.6	91.1	1.2	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/04/30	08:17:36.9	15.174S	167.343E	144.0G		5.5		NEIC

Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z	08:36:35.1	137.2	39.2					
BSEG	e PKPdf	Z	08:36:36.4	137.3	33.7					
BRG	e PKPdf	Z	08:36:37.3	138.4	40.6					
CLL	e PKPpre	Z	08:36:37.0	138.4	39.0					
	e PKPdf	Z	08:36:45.7			1.1	33			
	e pPKPdf	Z	08:37:23.5							
	e sPKPdf	Z	08:37:42.0							
	e PP	Z	08:39:37.5							
	e pPP	Z	08:40:13.1							
	e sPP	Z	08:40:30.5							
	e SS	E	08:57:41.9							
	e sSS	E	08:58:46.8							
	e SSS	E	09:02:49.3							
	e LR	Z	09:22:53.0							
	e L	Z	09:42:04.4			20.0	970		5.5	
CLZ	e PKPdf	Z	08:36:38.7	139.0	35.1					
WERD	e PKPdf	Z	08:36:39.2	139.4	38.7					
GTTN	e PKPdf	Z	08:36:39.2	139.4	34.8					
IBBN	e PKPdf	Z	08:36:39.3	139.5	31.2					
MOX	e PKPdf	Z	08:36:39.4	139.5	37.6					
MANZ	e PKPdf	Z	08:36:40.3	139.8	38.8					
ROTZ	e PKPdf	Z	08:36:40.5	139.9	39.1					
UBBA	e PKPdf	Z	08:36:40.2	140.0	35.3					
GEC2	e PKPdf	Z	08:36:40.4	140.0	41.8					
BUG	e PKPdf	Z	08:36:40.8	140.4	31.0					
GRA1	e PKPdf	Z	08:36:41.3	140.4	37.8					
GRFO	e PKPdf	Z	08:36:41.3	140.4	37.8					
TNS	e PKPdf	Z	08:36:42.6	141.0	33.5					
STU	e PKPdf	Z	08:36:45.9	141.9	35.6					
WLF	e PKPdf	Z	08:36:41.8	142.3	30.6					

BFO e PKPdf Z 08:36:43.8 142.6 34.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 14:16:22.2 5.339N 95.477E 33.0N 4.5
 Northern Sumatera, Indonesia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 14:28:40.4 82.2 90.9 0.9 4 4.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 14:52:14.5 19.829S 177.939W 526 4.3
 Fiji region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 CLL e PKPbc Z 15:10:58.3 147.4 19.4 0.8 22
 e pPKPbc Z 15:13:11.1
 e SKPbc Z 15:13:47.0
 TNS e PKPbc Z 15:11:03.0 149.3 8.9
 GRA1 e PKPbc Z 15:11:04.2 149.5 14.2
 STU e PKPbc Z 15:11:06.1 150.7 10.8
 FUR e PKPbc Z 15:11:07.4 150.9 15.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 15:08:41.6 16.550S 172.480W 33.0N 5.2
 Samoa Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GTTN e PKPbc Z 15:28:13.5 144.9 4.1
 BRG e PKPbc Z 15:28:15.4 145.3 10.9
 UBBA e PKPbc Z 15:28:15.5 145.7 4.2
 MOX e PKPbc Z 15:28:15.8 145.7 7.0
 CLL e PKPdf Z 15:28:15.8 145.0 9.2
 e PP Z 15:31:34.6
 e PKSdf Z 15:31:45.3
 e PPPP Z 15:36:45.3
 e SSS E 15:55:38.1
 e L Z 16:36:04.5 20.0 458 5.2
 WERD e PKPbc Z 15:28:17.2 145.9 8.2
 TNS e PKPbc Z 15:28:18.2 146.3 1.6
 MANZ e PKPbc Z 15:28:18.8 146.4 8.0
 ROTZ e PKPbc Z 15:28:19.6 146.6 8.2
 GRA1 e PKPbc Z 15:28:20.4 146.7 6.5
 e L Z 16:34:00.9 20.9 395 5.2

GRFO	e	PKPbc	Z	15:28:19.8	146.7	6.5
WLF	e	PKPbc	Z	15:28:21.2	146.9	357.6
GEC2	e	PKPbc	Z	15:28:21.4	147.3	11.0
STU	e	PKPbc	Z	15:28:22.7	147.8	3.0
BFO	e	PKPbc	Z	15:28:24.0	148.2	1.5
FUR	e	PKPbc	Z	15:28:26.6	148.2	6.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 19:17:15.2 26.799S 70.651W 7.0G 6.8
 Near coast of northern Chile

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z 19:31:15.5	102.2	242.8					
	e PP	Z 19:35:19.7							
BFO	e Pdiff	Z 19:31:18.0	102.9	244.0					
	e PP	Z 19:35:24.2							
STU	e Pdiff	Z 19:31:21.6	103.6	244.7					
	e PP	Z 19:35:29.4							
BUG	e Pdiff	Z 19:31:21.1	103.7	243.9					
	e PP	Z 19:35:30.5							
TNS	e Pdiff	Z 19:31:22.5	103.8	244.5					
	e PP	Z 19:35:31.0							
IBBN	e PP	Z 19:35:35.3	104.3	244.5					
FUR	e Pdiff	Z 19:31:26.6	104.6	246.0					
	e PP	Z 19:35:36.5							
HLG	e PP	Z 19:35:41.1	105.2	245.0					
GRA1	e Pdiff	Z 19:31:28.6	105.2	246.3					
	e PP	Z 19:35:41.0							
	e SKSac	R 19:42:13.1							
	e Sdiff	T 19:43:29.0							
	e SP	R 19:45:11.4							
	e SS	T 19:51:02.4							
	e L	Z 20:20:31.3			18.2	23967		6.8	
GTTN	e PP	Z 19:35:42.0	105.2	245.9					
CLZ	e PP	Z 19:35:44.8	105.6	246.2					
MOX	e Pdiff	Z 19:31:30.8	105.8	246.8					
	e PP	Z 19:35:45.5							
ROTZ	e Pdiff	Z 19:31:32.0	105.8	247.0					
	e PP	Z 19:35:45.6							
MANZ	e Pdiff	Z 19:31:32.2	105.8	247.0					
	e PP	Z 19:35:45.8							
GEC2	e PP	Z 19:35:48.7	106.4	247.8					
BSEG	e PP	Z 19:35:49.7	106.4	246.8					
CLL	e Pdiff	Z 19:31:36.0	106.9	248.0	2.5	61			
	e PKiKP	Z 19:35:39.8							
	e PP	Z 19:35:55.2							
	e SKSac	E 19:42:18.4							

	e Sdiff	N	19:43:33.5								
	e PS	E	19:45:23.9								
	e PPS	Z	19:46:17.6								
	e PKKPbc	Z	19:46:55.7								
	e PKKPab	Z	19:47:15.1								
	e SS	N	19:51:06.4								
	e SSS	N	19:54:58.9								
	e LR	Z	20:08:27.9								
	e L	Z	20:16:26.1					22.0	16444		6.5
BRG	e Pdifff	Z	19:31:37.6	107.3	248.5						
	e PP	Z	19:35:56.3								
RUE	e PP	Z	19:35:59.7	107.7	248.9						
RGN	e PP	Z	19:36:03.4	108.2	249.2						

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 19:33:22.5 15.802S 172.145W 33.0N
 Samoa Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	19:52:47.5	141.8	3.8					
IBBN	e PKPbc	Z	19:52:49.4	143.5	359.8					
CLZ	e PKPbc	Z	19:52:50.9	143.9	4.1					
GTTN	e PKPbc	Z	19:52:51.7	144.2	3.5					
CLL	e PKPbc	Z	19:52:52.0	144.3	8.5					
BUG	e PKPbc	Z	19:52:52.2	144.4	359.0					
BRG	e PKPbc	Z	19:52:53.1	144.6	10.1					
MOX	e PKPbc	Z	19:52:54.5	145.0	6.3					
WERD	e PKPbc	Z	19:52:55.0	145.2	7.5					
TNS	e PKPbc	Z	19:52:56.8	145.6	1.0					
MANZ	e PKPbc	Z	19:52:57.0	145.6	7.3					
ROTZ	e PKPbc	Z	19:52:57.8	145.9	7.5					
GRA1	e PKPbc	Z	19:52:58.4	146.0	5.8					
WLF	e PKPbc	Z	19:52:59.0	146.1	357.1					
GEC2	e PKPbc	Z	19:53:00.0	146.6	10.3					
STU	e PKPbc	Z	19:53:01.7	147.0	2.4					
BFO	e PKPbc	Z	19:53:02.8	147.5	0.8					
FUR	e PKPbc	Z	19:53:03.0	147.5	6.1					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/04/30 21:40:58.7 27.022S 69.861W 10.0G
 Northern Chile

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PP	Z	21:59:13.7	102.6	243.3					
STU	e PP	Z	21:59:28.4	103.3	244.0					

TNS	e PP	Z	21:59:18.6	103.5	243.8				
FUR	e PP	Z	21:59:23.8	104.3	245.3				
GRA1	e PP	Z	21:59:30.2	104.9	245.6				
	e SKSac	R	22:05:53.1						
	e Sdiff	T	22:07:08.1						
	e PS	R	22:08:45.6						
	e SS	T	22:14:37.9						
	e L	Z	22:44:15.5			18.5	22732		6.7
GTTN	e PP	Z	21:59:40.0	104.9	245.2				
CLZ	e PP	Z	21:59:32.4	105.3	245.5				
ROTZ	e PP	Z	21:59:33.1	105.5	246.3				
MOX	e PP	Z	21:59:33.0	105.5	246.1				
MANZ	e PP	Z	21:59:34.9	105.5	246.3				
GEC2	e PP	Z	21:59:38.1	106.0	247.1				
BSEG	e PP	Z	21:59:44.6	106.1	246.0				
CLL	e Pdiff	Z	21:55:18.9	106.6	247.3				
	e PKiKP	Z	21:59:25.9						
	e PP	Z	21:59:43.7						
	e PPP	Z	22:02:01.3						
	e SKSac	N	22:05:57.4						
	e Sdiff	N	22:07:10.5						
	e PS	E	22:09:06.4						
	e SS	N	22:14:55.6						
	e SSS	N	22:18:49.1						
	e SSSS	N	22:22:22.8						
	e LR	Z	22:32:46.8						
	e L	Z	22:40:23.9			22.0	16248		6.5
BRG	e PP	Z	21:59:37.4	107.0	247.8				
RUE	e PP	Z	21:59:47.4	107.5	248.2				

Date Origin Time Lat Long Depth mb Ms ML Source
2006/04/30 23:04:20.1 60.543N 167.893E 14.8 5.1 SZGRF
Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:15:17.5	68.2	12.1	1.0	12	5.1		
	e pP	Z 23:15:21.7			1.0	12			

Format description

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

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

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

EPICENTER LINES:

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

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

COMMENT LINE:

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

REGION LINE:

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

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase
	e - emergent
	i - impulsive
	w - weak
	ISC phase code
	Component where the phase was picked
Time	Arrival time of the reported phase
Dist	Distance from the epicenter location with the highest priority to the station in kilometer
BAz	Backazimuth from the epicenter location with the highest priority to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude

ML

Local Richter magnitude