

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)

NOVEMBER 2006 UPDATED 25.SEPTEMBER.2007

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	
2006/11/01	14:21:31.4	42.500N	144.500E	33.0N	5.1			SZGRF	
Hokkaido, Japan, region									
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 14:33:16.7	75.9	33.0	0.8	25	5.4		
CLL	e P	Z 14:33:23.1	77.2	34.5	0.7	30	5.5		
NRDL	e P	Z 14:33:23.1	77.2	32.7	0.8	12	5.1		
BRG	e P	Z 14:33:23.5	77.2	35.1	0.9	9	4.9		
FBE	e P	Z 14:33:24.7	77.4	34.7	0.7	19	5.3		
CLZ	e P	Z 14:33:26.5	77.6	32.8	0.8	27	5.4		
IBBN	e P	Z 14:33:28.8	78.1	31.1	0.6	20	5.4		
TANN	e P	Z 14:33:28.4	78.1	34.0	1.0	8	4.8		
WERD	e P	Z 14:33:28.8	78.1	33.9	1.0	11	4.9		
MOX	e P	Z 14:33:29.5	78.2	33.5	1.2	14	4.8		
MANZ	e P	Z 14:33:31.5	78.6	33.7	0.7	9	4.9		
UBBA	e P	Z 14:33:31.2	78.6	32.4	0.6	6	4.8		
ROTZ	e P	Z 14:33:32.6	78.7	33.8	0.9	10	4.8		
GEC2	e P	Z 14:33:32.6	79.0	34.7	1.0	9	4.8		
BUG	e P	Z 14:33:33.3	79.0	30.7					
WET	e P	Z 14:33:34.2	79.0	34.2	0.9	15	5.0		
GRA1	e P	Z 14:33:34.9	79.2	33.1	0.9	37	5.4		
FUR	e P	Z 14:33:41.5	80.4	33.0	0.8	27	5.3		
STU	e P	Z 14:33:43.0	80.6	31.7	0.9	25	5.3		
BFO	e P	Z 14:33:45.6	81.3	31.1	1.4	16	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/01	21:19:52.8	39.580N	40.350E	33.0N	4.7	3.6		SZGRF
Turkey								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	21:24:35.8	21.1	106.0	1.1	23	4.4		
BRG	e P	Z	21:24:40.9	21.6	111.3	1.4	28	4.5		
WET	e P	Z	21:24:41.0	21.7	105.8	1.2	24	4.5		
FBE	e P	Z	21:24:43.9	21.9	110.6	1.9	112	5.0		
ROTZ	e P	Z	21:24:47.5	22.3	106.4	1.4	51	4.8		
CLL	e P	Z	21:24:48.3	22.3	111.0	1.2	37	4.7		
TANN	e P	Z	21:24:48.5	22.3	108.3	1.4	32	4.5		
MANZ	e P	Z	21:24:50.2	22.4	106.8	1.8	47	4.6		
WERD	e P	Z	21:24:50.0	22.4	108.1					
FUR	e P	Z	21:24:50.6	22.5	101.6	1.2	63	5.0		
GRA1	e P	Z	21:24:55.0	22.9	105.1	1.2	102	5.2		
	e L	Z	21:35:47.4			20.8	251		3.6	
MOX	e P	Z	21:24:54.8	22.9	107.7	1.2	14	4.4		
STU	e P	Z	21:25:04.5	24.0	100.8					
CLZ	e P	Z	21:25:05.5	24.0	108.8	1.4	31	4.6		
GTTG	e P	Z	21:25:07.7	24.2	107.7					
BFO	e P	Z	21:25:09.6	24.4	99.0	2.0	44	4.8		
TNS	e P	Z	21:25:12.6	24.7	103.2	2.1	104	5.2		
WLF	e P	Z	21:25:24.3	26.1	99.6	1.2	23	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/02								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	02:56:25.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/02	05:17: 3.3	5.336S	153.675E	47D	5.4			NEIC
New Ireland, Papua New Guinea, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	05:35:57.8	125.6	48.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/02	22:47:31.0	70.700N	2.880E	33.0	4.7	4.5		SZGRF
Norwegian Sea								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z	22:51:45.3	18.5	352.5	2.1	198	5.0		
IBBN	e P	Z	22:51:46.2	18.5	354.9	1.4	47	4.5		
RUE	e P	Z	22:51:49.9	18.9	348.9	1.2	98	4.9		

	e		22:52:53.9								
CLZ	e P	Z	22:51:53.4	19.2	352.5	1.6	145	5.0			
BUG	e P	Z	22:51:55.1	19.4	355.6	1.5	85	4.8			
CLL	e P	Z	22:52:01.0	19.9	350.2	1.4	49	4.5			
UBBA	e P	Z	22:52:03.6	20.2	353.2	1.7	87	4.7			
	e		22:53:08.4								
FBE	e P	Z	22:52:05.4	20.4	350.1	1.4	65	4.7			
	e		22:53:10.2								
MOX	e P	Z	22:52:06.5	20.5	351.7	1.7	76	4.8			
BRG	e P	Z	22:52:06.6	20.5	349.6	1.6	44	4.5			
	e		22:53:11.2								
TNS	e P	Z	22:52:08.5	20.6	354.8	1.6	101	4.9			
WERD	e P	Z	22:52:09.7	20.7	351.2	1.3	32	4.5			
TANN	e P	Z	22:52:10.5	20.8	351.1	1.5	45	4.6			
	e		22:53:14.8								
GUNZ	e P	Z	22:52:11.3	20.8	351.2	1.5	50	4.6			
WERN	e P	Z	22:52:11.4	20.9	351.2	1.4	58	4.7			
GRA1	e P	Z	22:52:17.3	21.4	352.4	1.9	90	4.8			
	e		22:53:21.1								
	e L	Z	23:02:03.3			20.6	2206			4.5	
GRFO	e P	Z	22:52:17.3	21.4	352.4	1.8	79	4.7			
ROTZ	e P	Z	22:52:18.5	21.4	351.6	1.3	35	4.5			
WET	e P	Z	22:52:24.2	22.1	351.2	2.0	94	4.9			
	e		22:53:26.9								
GEC2	e P	Z	22:52:27.9	22.4	350.6	1.0	18	4.5			
	e		22:53:30.5								
BFO	e P	Z	22:52:28.0	22.5	355.3	1.1	26	4.7			
FUR	e P	Z	22:52:33.8	22.9	352.9	1.1	44	4.9			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/02 22:52:42.4 72.160N 1.450E 33.0N 4.7
 Norwegian Sea SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 22:56:58.7	18.6	351.5	1.4	28	4.3		
NRDL	e P	Z 22:57:13.5	20.0	352.3	1.9	116	4.8		
RUE	e P	Z 22:57:18.4	20.4	349.2	1.7	161	5.0		
CLZ	e P	Z 22:57:21.2	20.7	352.3	1.5	97	4.9		
BUG	e P	Z 22:57:22.7	20.9	355.0	1.3	64	4.8		
CLL	e P	Z 22:57:29.0	21.5	350.3	1.3	31	4.6		
UBBA	e P	Z 22:57:32.2	21.7	352.9	1.8	54	4.7		
FBE	e P	Z 22:57:34.0	21.9	350.2	1.4	67	4.9		
MOX	e P	Z 22:57:34.8	22.0	351.7	1.3	49	4.8		
BRG	e P	Z 22:57:34.8	22.0	349.8	1.5	39	4.6		
TNS	e P	Z 22:57:36.7	22.2	354.3	1.3	38	4.7		
TANN	e P	Z 22:57:38.0	22.3	351.1	1.4	45	4.7		
GUNZ	e P	Z 22:57:38.3	22.3	351.2	1.3	33	4.6		

WERN	e P	Z	22:57:39.2	22.4	351.2	1.2	46	4.8
MANZ	e P	Z	22:57:42.6	22.7	351.6	1.6	21	4.4
GRA1	e P	Z	22:57:45.5	22.9	352.3	1.7	50	4.8
ROTZ	e P	Z	22:57:45.3	22.9	351.6	1.2	32	4.7
WET	e P	Z	22:57:51.1	23.6	351.3	1.3	33	4.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/02	23:54:44.5	15.970N	92.980W	33.0N	5.5			SZGRF

Mexico-Guatemala border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	00:07:10.9	83.6	287.2	1.6	210	6.1		
BUG	e P	Z	00:07:11.2	83.8	287.9	1.5	153	6.0		
IBBN	e P	Z	00:07:12.2	83.8	288.2	1.4	178	6.1		
BSEG	e P	Z	00:07:15.9	84.7	290.0	0.9	78	5.9		
TNS	e P	Z	00:07:16.7	84.9	288.9	1.5	223	6.2		
NRDL	e P	Z	00:07:17.6	85.1	290.0	1.3	75	5.8		
BFO	e P	Z	00:07:19.6	85.4	289.0	1.3	63	5.6		
CLZ	e P	Z	00:07:20.1	85.5	290.2	1.3	88	5.7		
UBBA	e P	Z	00:07:21.0	85.6	290.0	1.7	94	5.6		
STU	e P	Z	00:07:22.1	85.8	289.6	1.0	78	5.8		
MOX	e P	Z	00:07:25.6	86.6	291.2	1.2	31	5.3		
GRA1	e P	Z	00:07:26.8	86.7	291.0	1.2	63	5.6		
WERD	e P	Z	00:07:27.9	87.1	291.8	1.6	43	5.3		
GUNZ	e P	Z	00:07:27.9	87.1	291.8	1.3	28	5.2		
MANZ	e P	Z	00:07:28.5	87.1	291.7	1.5	37	5.3		
CLL	e P	Z	00:07:28.2	87.2	292.3	1.4	22	5.1		
WERN	e P	Z	00:07:28.6	87.2	291.8	1.3	34	5.3		
TANN	e P	Z	00:07:28.6	87.2	291.9	1.3	28	5.2		
ROTZ	e P	Z	00:07:29.3	87.3	291.7	1.4	22	5.1		
FUR	e P	Z	00:07:29.2	87.3	291.1	1.3	68	5.6		
FBE	e P	Z	00:07:30.1	87.5	292.6	1.3	30	5.5		
BRG	e P	Z	00:07:31.7	87.9	293.0	0.9	13	5.2		
WET	e P	Z	00:07:32.2	87.9	292.3	1.5	34	5.5		
GEC2	e P	Z	00:07:34.9	88.5	292.9	1.2	16	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03	00:39:34.0	50.976N	179.570W	33.0N	4.8			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:51:34.6	78.9	6.9	0.9	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03	05:46: 9.2	72.000N	0.740E	33.0N	4.4	3.3		SZGRF

Norwegian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z	05:50:39.1	19.9	351.5					
IBBN	e P	Z	05:50:39.7	19.9	353.6					
CLZ	e P	Z	05:50:47.2	20.6	351.5					
NEUB	e P	Z	05:50:55.3	21.4	350.7	0.5	24	4.8		
CLL	e P	Z	05:50:55.4	21.4	349.6					
FBE	e P	Z	05:50:59.3	21.8	349.5	1.3	27	4.5		
MOX	e P	Z	05:51:00.6	21.9	351.0	1.3	26	4.5		
BRG	e P	Z	05:51:01.3	21.9	349.1	1.5	24	4.4		
TNS	e P	Z	05:51:02.5	22.1	353.7					
WERD	e P	Z	05:51:03.4	22.2	350.5	1.2	15	4.3		
TANN	e P	Z	05:51:05.6	22.2	350.4	1.3	20	4.4		
GUNZ	e P	Z	05:51:05.5	22.3	350.6	1.0	11	4.2		
WERN	e P	Z	05:51:06.8	22.3	350.6	1.0	20	4.5		
GRA1	e P	Z	05:51:10.7	22.8	351.7	0.8	7	4.2		
	e L	Z	06:00:19.3			19.9	122		3.3	
ROTZ	e P	Z	05:51:10.2	22.8	350.9	1.0	12	4.4		
WET	e P	Z	05:51:18.1	23.5	350.6	0.9	7	4.2		
GEC2	e P	Z	05:51:21.9	23.9	350.1	0.9	8	4.2		
BFO	e P	Z	05:51:21.1	23.9	354.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03	10:50:42.7	36.178N	20.193E	33.0G				SZGRF

Central Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	10:53:58.8	13.5	157.0					
	e pP	E	10:54:36.4							
WET	e P	Z	10:54:05.4	14.0	154.9					
ROTZ	e P	Z	10:54:16.0	14.8	153.9					
BFO	e P	Z	10:54:16.6	15.0	140.0					
	e pP	Z	10:54:26.6							
MANZ	e P	Z	10:54:19.1	15.0	154.0					
GRA1	e P	Z	10:54:17.9	15.0	150.9					
	e pP	Z	10:54:28.7							
WERD	e P	Z	10:54:24.5	15.4	155.3					
	e pP	Z	10:54:33.0							
FBE	e pP	Z	10:54:35.7	15.5	159.0					
MOX	e P	Z	10:54:27.5	15.7	153.6					
	e pP	Z	10:54:36.4							
UBBA	e P	Z	10:54:37.6	16.4	149.5					
TNS	e P	Z	10:54:38.0	16.4	144.4					
CLZ	e P	Z	10:54:50.0	17.1	152.2					

NRDL	e P	Z	10:54:57.1	17.8	152.5
BSEG	e P	Z	10:55:14.1	19.0	154.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03	14:43:29.9	22.107N	92.953E	33.0N	4.8			SZGRF

India-Bangladesh border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:54:26.8	68.1	81.2	1.0	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03	19:32: 5.0	38.095N	24.525E	10.0G	4.0			SZGRF

Aegean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 19:35:23.0	13.3	140.0					
WET	e P	Z 19:35:29.9	13.9	138.5					
MANZ	e P	Z 19:35:39.4	14.8	138.6					
GRA1	e P	Z 19:35:42.8	15.0	135.6					
TANN	e P	Z 19:35:43.0	15.0	140.6					
FBE	e P	Z 19:35:42.7	15.1	144.1					
CLL	e P	Z 19:35:48.4	15.5	144.0					
MOX	e P	Z 19:35:47.1	15.5	139.0					
TNS	e P	Z 19:36:00.7	16.7	130.5					
WLF	e P	Z 19:36:09.6	17.5	124.4					
BSEG	e P	Z 19:36:20.4	18.6	142.7	0.9	10	4.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/03								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 21:10:40.5							
	e Sn	E 21:10:56.8							
WET	e Pn	Z 21:10:44.4							
	e Sn	E 21:11:04.1							

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

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKP	Z 02:30:27.0							

CLL	e	PKP	Z	02:30:26.7
FBE	e	PKP	Z	02:30:27.2
GRA1	e	PKP	Z	02:30:29.8
GUNZ	e	PKP	Z	02:30:29.7
MOX	e	PKP	Z	02:30:29.0
NEUB	e	PKP	Z	02:30:27.6
ROTZ	e	PKP	Z	02:30:30.4
TANN	e	PKP	Z	02:30:28.8
WERD	e	PKP	Z	02:30:29.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/04	06:19:0.9	5.900N	126.100E	67.0				NEIC
Mindanao, Philippine Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 06:32:43.4	101.1	66.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05	00:37:37.3	47.142N	0.069W	10.0G			4.0	SZGRF
France								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pn	Z 00:38:49.7	4.8	240.9					4.0
	e Sg	N 00:40:09.9							
BFO	e Pn	Z 00:39:01.4	5.8	261.3					
	e Sg	N 00:40:38.6							
TNS	e Pn	Z 00:39:10.8	6.4	244.5					
FUR	e Sg	N 00:41:40.5	7.7	266.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 02:59:43.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05	03:13:50.7	19.500S	177.500W	33.0G				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z 03:33:17.3	145.0	12.9					

NRDL	e	PKPbc	Z	03:33:18.9	146.5	13.1
IBBN	e	PKPbc	Z	03:33:22.9	146.9	9.1
CLZ	e	PKPbc	Z	03:33:24.5	147.1	13.7
CLL	e	PKPbc	Z	03:33:24.0	147.1	18.5
BRG	e	PKPbc	Z	03:33:23.9	147.3	20.3
FBE	e	PKPbc	Z	03:33:25.2	147.4	19.3
MOX	e	PKPbc	Z	03:33:26.6	148.0	16.4
WERD	e	PKPbc	Z	03:33:26.2	148.1	17.7
TANN	e	PKPbc	Z	03:33:26.2	148.1	18.0
GUNZ	e	PKPbc	Z	03:33:26.9	148.2	17.8
WERN	e	PKPbc	Z	03:33:26.1	148.2	17.9
MANZ	e	PKPbc	Z	03:33:28.4	148.6	17.6
ROTZ	e	PKPbc	Z	03:33:27.8	148.8	17.8
TNS	e	PKPbc	Z	03:33:29.2	148.9	10.9
GRA1	e	PKPbc	Z	03:33:30.0	149.0	16.1
GEC2	e	PKPbc	Z	03:33:30.1	149.3	21.0
WLF	e	PKPbc	Z	03:33:30.5	149.7	6.8
FUR	e	PKPbc	Z	03:33:32.9	150.5	17.0
BFO	e	PKPbc	Z	03:33:33.8	150.8	11.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05	09:59:31.5	40.497N	29.798W	33.0N	4.7	4.1		SZGRF

Azores Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:05:37.1	30.0	268.0	1.7	24	4.7		
	e L	Z 10:15:36.4			21.4	470		4.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05	10:05:31.5	0.562S	23.996W	33.0N	4.8	4.3		SZGRF

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:15:25.6	58.6	222.5	1.5	16	4.8		
	e L	Z 10:37:33.8			22.0	273		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/05	17:15:0.3	39.782N	13.803E	450.0G	5.2			SZGRF

Tyrrhenian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 17:17:01.5	8.6	166.9	0.7	139	5.2		
	e Sn	E 17:18:39.1							

GEC2	e Pn	Z	17:17:05.8	9.1	179.5	0.6	29	4.6
	e Sn	N	17:18:49.4					
WET	e Pn	Z	17:17:10.0	9.4	175.6	0.8	67	4.9
	e Sn	E	17:18:55.2					
BFO	e Pn	Z	17:17:10.0	9.4	153.3	0.5	42	4.9
STU	e Pn	Z	17:17:13.1	9.6	158.2	0.6	74	5.1
ROTZ	e Pn	Z	17:17:17.7	10.0	173.0	0.8	68	4.9
GRA1	e Pn	Z	17:17:18.1	10.1	168.6	0.8	298	5.6
	e Sn	E	17:19:11.2					
MANZ	e Pn	Z	17:17:20.9	10.3	172.7	0.7	80	5.1
WERN	e Pn	Z	17:17:24.4	10.6	174.0	0.7	97	5.1
GUNZ	e Pn	Z	17:17:25.5	10.6	173.9	0.7	355	5.7
TANN	e Pn	Z	17:17:25.8	10.7	174.4	0.9	204	5.4
WERD	e Pn	Z	17:17:26.4	10.7	173.8	0.9	204	5.3
MOX	e Pn	Z	17:17:29.0	11.0	171.1	0.9	313	5.5
BRG	e Pn	Z	17:17:30.3	11.1	180.6	0.6	53	4.9
TNS	e Pn	Z	17:17:30.0	11.1	158.1	1.2	281	5.4
FBE	e Pn	Z	17:17:31.0	11.1	178.2	0.7	133	5.3
WLF	e Pn	Z	17:17:31.2	11.3	148.4	0.7	87	5.1
	e Sn	E	17:19:35.9					
UBBA	e Pn	Z	17:17:32.7	11.4	165.0	0.6	43	5.0
CLL	e Pn	Z	17:17:35.3	11.5	176.9	0.8	144	5.3
CLZ	e Pn	Z	17:17:43.1	12.3	167.5	0.8	59	5.1
BUG	e Pn	Z	17:17:46.5	12.5	156.2	0.7	62	5.2
NRDL	e Pn	Z	17:17:48.9	13.0	167.2	0.9	67	5.1
IBBN	e Pn	Z	17:17:52.6	13.2	159.2	1.9	673	5.7
BSEG	e Pn	Z	17:18:04.3	14.3	169.1	0.9	166	5.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/05 20:06:40.3 37.576N 49.740E 33.0N 4.8 3.8 ML SZGRF
 Caspian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:12:46.1	30.0	99.0	1.1	16	4.8		
	e L	Z 20:26:51.1			18.9	223		3.8	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/06 01:19:56.1 24.190N 94.500E 101.9 5.3 ML SZGRF
 Myanmar-India border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 01:30:30.2	65.6	81.0	0.6	13	5.4		
FBE	e P	Z 01:30:32.7	66.0	80.6	1.4	42	5.5		
GEC2	e P	Z 01:30:33.2	66.1	79.9	1.2	26	5.3		
	e pP	Z 01:30:58.6							

CLL	e P	Z	01:30:33.0	66.2	80.5	0.5	10	5.3
WET	e P	Z	01:30:36.5	66.6	79.5	1.3	22	5.2
TANN	e P	Z	01:30:36.5	66.7	79.7	0.7	7	5.0
WERN	e P	Z	01:30:37.3	66.7	79.6	1.1	10	5.0
GUNZ	e P	Z	01:30:37.1	66.7	79.6	0.7	13	5.3
WERD	e P	Z	01:30:36.9	66.7	79.6	1.3	20	5.2
ROTZ	e P	Z	01:30:39.0	66.9	79.3	0.5	24	5.6
	e pP	Z	01:31:04.2					
MANZ	e P	Z	01:30:38.9	67.0	79.3	1.1	8	4.9
MOX	e P	Z	01:30:39.5	67.1	79.2	1.6	18	5.0
	e pP	Z	01:31:05.7					
BSEG	e P	Z	01:30:41.0	67.3	79.6	0.9	35	5.6
GRA1	e P	Z	01:30:42.7	67.6	78.5	0.8	13	5.2
CLZ	e P	Z	01:30:43.1	67.7	78.8	0.6	21	5.5
FUR	e P	Z	01:30:44.4	67.8	78.0	0.7	22	5.5
STU	e P	Z	01:30:51.8	69.1	76.8	1.2	40	5.5
TNS	e P	Z	01:30:52.4	69.2	76.8	0.9	10	5.1
BFO	e P	Z	01:30:55.3	69.7	76.0	1.4	22	5.1
WLF	e P	Z	01:31:02.6	70.8	74.9	1.1	47	5.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/06 04:38:40.9 19.210S 177.740W 33.0N SZGRF
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z 04:58:12.3	144.7	13.2					
RUE	e PKPbc	Z 04:58:15.3	145.5	19.5					
IBBN	e PKPbc	Z 04:58:19.1	146.6	9.5					
CLZ	e PKPbc	Z 04:58:19.4	146.8	14.1					
CLL	e PKPbc	Z 04:58:19.2	146.8	18.8					
BRG	e PKPbc	Z 04:58:20.0	147.0	20.6					
FBE	e PKPbc	Z 04:58:20.5	147.1	19.5					
	e PKPab	Z 04:58:22.1							
MOX	e PKPbc	Z 04:58:21.7	147.7	16.7					
WERD	e PKPbc	Z 04:58:22.0	147.8	18.0					
TANN	e PKPbc	Z 04:58:22.1	147.8	18.3					
	e PKPab	Z 04:58:24.5							
GUNZ	e PKPbc	Z 04:58:22.5	147.8	18.1					
	e PKPab	Z 04:58:25.0							
WERN	e PKPbc	Z 04:58:22.7	147.9	18.2					
	e PKPab	Z 04:58:25.3							
MANZ	e PKPbc	Z 04:58:23.7	148.2	17.9					
ROTZ	e PKPbc	Z 04:58:24.1	148.4	18.2					
TNS	e PKPbc	Z 04:58:24.4	148.6	11.3					
	e PKPab	Z 04:58:28.1							
GRA1	e PKPbc	Z 04:58:24.8	148.7	16.4					
WET	e PKPbc	Z 04:58:24.8	148.9	19.7					

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GEC2	e	PKPbc	Z	04:58:25.3	149.0	21.3
WLF	e	PKPbc	Z	04:58:27.0	149.4	7.2
STU	e	PKPbc	Z	04:58:27.9	149.9	13.1
	e	PKPab	Z	04:58:33.7		
FUR	e	PKPbc	Z	04:58:28.4	150.1	17.3
	e	PKPab	Z	04:58:34.8		
BFO	e	PKPbc	Z	04:58:28.7	150.5	11.7
	e	PKPab	Z	04:58:35.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/06	20:56:49.4	5.488S	146.619E	112.0G				NEIC
Eastern New Guinea, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKPdf	Z	21:15:32.0	122.1	55.6			
	e	PP	Z	21:17:12.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	06:07: 8.3	4.269N	32.558W	33.0N	4.9			SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	06:17:01.6	58.5	234.0	1.7	20	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	06:15:12.1	4.399N	32.467W	33.0N	4.7			SZGRF
Central Mid-Atlantic Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z	06:25:04.3	58.3	234.0	1.9	17	4.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	06:23:42.1	23.501S	178.629W	553.7				SZGRF
South of Fiji Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z	06:42:27.5	148.8	16.0			
	e	PKPab	Z	06:42:33.2					
RUE	e	PKPbc	Z	06:42:28.8	149.5	22.9			
CLL	e	PKPbc	Z	06:42:31.8	150.8	22.3			

	e PKPab	Z	06:42:40.8		
	e pPKPbc	Z	06:44:40.3		
IBBN	e PKPbc	Z	06:42:32.2	150.8	12.1
	e PKPab	Z	06:42:41.5		
	e pPKPbc	Z	06:44:40.7		
CLZ	e PKPdf	Z	06:42:26.0	150.8	17.1
	e PKPbc	Z	06:42:32.2		
	e PKPab	Z	06:42:41.1		
BRG	e PKPdf	Z	06:42:26.1	150.9	24.3
	e PKPbc	Z	06:42:32.3		
	e PKPab	Z	06:42:41.8		
	e pPKPbc	Z	06:44:40.9		
FBE	e PKPdf	Z	06:42:26.6	151.1	23.2
	e PKPbc	Z	06:42:32.7		
	e PKPab	Z	06:42:42.4		
BUG	e PKPbc	Z	06:42:34.0	151.7	11.5
MOX	e PKPbc	Z	06:42:33.8	151.7	20.1
	e PKPab	Z	06:42:45.0		
	e pPKPbc	Z	06:44:42.7		
TANN	e PKPdf	Z	06:42:27.4	151.7	21.9
	e PKPbc	Z	06:42:34.0		
	e PKPab	Z	06:42:45.0		
	e pPKPbc	Z	06:44:42.6		
WERD	e PKPbc	Z	06:42:33.9	151.7	21.6
	e PKPab	Z	06:42:45.0		
	e pPKPbc	Z	06:44:42.7		
GUNZ	e PKPdf	Z	06:42:27.6	151.8	21.7
	e PKPbc	Z	06:42:34.4		
	e PKPab	Z	06:42:45.4		
	e pPKPbc	Z	06:44:43.2		
UBBA	e PKPdf	Z	06:42:27.1	151.9	17.0
	e PKPbc	Z	06:42:34.1		
	e PKPab	Z	06:42:45.3		
WERN	e PKPbc	Z	06:42:34.6	151.9	21.8
	e PKPab	Z	06:42:45.8		
	e pPKPbc	Z	06:44:43.4		
MANZ	e PKPdf	Z	06:42:28.2	152.2	21.5
	e PKPbc	Z	06:42:35.4		
	e PKPab	Z	06:42:47.4		
ROTZ	e PKPbc	Z	06:42:35.5	152.4	21.8
	e PKPab	Z	06:42:48.2		
GRA1	e PKPbc	Z	06:42:36.3	152.7	20.0
	e PKPab	Z	06:42:49.6		
TNS	e PKPbc	Z	06:42:36.5	152.7	14.3
	e PKPab	Z	06:42:49.2		
WET	e PKPdf	Z	06:42:28.8	152.8	23.6
	e PKPbc	Z	06:42:36.3		
	e PKPab	Z	06:42:49.7		
GEC2	e PKPbc	Z	06:42:36.2	152.9	25.4

	e	PKPab	Z	06:42:49.8				
WLF	e	PKPdf	Z	06:42:30.6	153.6	9.9		
	e	PKPbc	Z	06:42:38.7				
	e	PKPab	Z	06:42:53.3				
FUR	e	PKPab	Z	06:42:55.5	154.1	21.2		
BFO	e	PKPdf	Z	06:42:31.1	154.6	15.0		
	e	PKPbc	Z	06:42:40.0				
	e	PKPab	Z	06:42:57.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	08:34: 8.6	26.380S	11.203W	33.0N	5.1			SZGRF

Southern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 08:45:56.9	76.7	197.9	1.3	21	5.1		
WLF	e P	Z 08:46:02.1	77.6	195.9	1.8	80	5.6		
GEC2	e P	Z 08:46:06.7	78.5	202.6	2.2	47	5.2		
WET	e P	Z 08:46:07.2	78.5	201.9	1.4	26	5.2		
TNS	e P	Z 08:46:07.2	78.6	197.9	1.5	24	5.1		
GRA1	e P	Z 08:46:07.7	78.6	200.4	1.6	47	5.4		
ROTZ	e P	Z 08:46:09.4	78.9	201.3	2.2	82	5.4		
MANZ	e P	Z 08:46:10.4	79.1	201.2	1.4	17	4.9		
UBBA	e P	Z 08:46:12.4	79.4	199.2	1.6	26	5.0		
WERN	e P	Z 08:46:12.3	79.5	201.4	2.5	92	5.4		
GUNZ	e P	Z 08:46:12.9	79.5	201.3	1.2	15	4.9		
WERD	e P	Z 08:46:12.8	79.6	201.3	1.5	23	5.0		
TANN	e P	Z 08:46:13.0	79.6	201.4	1.7	35	5.1		
MOX	e P	Z 08:46:12.8	79.6	200.7	0.9	9	4.8		
FBE	e P	Z 08:46:16.8	80.3	202.2	2.3	72	5.2		
BRG	e P	Z 08:46:17.3	80.4	202.7	1.8	26	4.8		
CLZ	e P	Z 08:46:18.5	80.5	199.5	1.8	38	5.0		
CLL	e P	Z 08:46:18.3	80.6	201.9	2.1	50	5.1		
BSEG	e P	Z 08:46:28.3	82.4	199.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	09:16: 4.3	5.900S	151.100E	72.0				NEIC

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPdf	Z 09:34:56.8	120.7	51.0					
WERD	e PKPdf	Z 09:34:54.1	123.8	52.0					
GUNZ	e PKPdf	Z 09:34:54.5	123.8	52.1					
GEC2	e PKPdf	Z 09:34:55.1	124.0	54.3					
WET	e PKPdf	Z 09:34:55.5	124.3	53.3					
GRA1	e PKPdf	Z 09:34:56.8	124.8	51.3					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/07 11:13:36.0 35.878N 18.134E 25.0G
 Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pn	Z 11:16:54.1	14.7	157.4	0.7	3			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/07 12:31:42.1 23.960N 64.330E 33.0N 5.3
 Off coast of Pakistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 12:40:07.6	46.6	103.5	1.7	78	5.6		
BRG	e P	Z 12:40:10.4	46.9	105.5	1.3	22	5.1		
WET	e P	Z 12:40:11.4	47.2	103.0	1.7	37	5.2		
FBE	e P	Z 12:40:13.7	47.3	105.0	1.5	46	5.4		
RUE	e P	Z 12:40:14.9	47.5	106.8	0.4	31	5.7		
CLL	e P	Z 12:40:15.9	47.6	105.0	1.4	84	5.7		
ROTZ	e P	Z 12:40:16.7	47.7	103.0	1.8	48	5.3		
WERN	e P	Z 12:40:17.1	47.8	103.6	1.4	30	5.2		
GUNZ	e P	Z 12:40:17.2	47.8	103.6	1.7	23	5.0		
MANZ	e P	Z 12:40:17.8	47.9	103.1	1.1	13	5.0		
MOX	e P	Z 12:40:21.0	48.3	103.2	1.7	64	5.5		
GRA1	e P	Z 12:40:21.8	48.4	102.0	1.7	123	5.8		
CLZ	e P	Z 12:40:29.2	49.3	103.1	1.5	82	5.5		
UBBA	e P	Z 12:40:29.5	49.3	101.9	1.3	24	5.1		
STU	e P	Z 12:40:29.6	49.5	99.5	0.7	19	5.1		
NRDL	e P	Z 12:40:29.5	49.7	103.4	1.2	50	5.3		
BSEG	e P	Z 12:40:33.0	49.9	104.8					
BFO	e P	Z 12:40:33.3	50.0	98.4	1.8	25	4.8		
TNS	e P	Z 12:40:36.0	50.2	100.1	1.5	68	5.4		
IBBN	e P	Z 12:40:41.8	51.0	101.1	1.1	97	5.6		
BUG	e P	Z 12:40:43.2	51.2	100.0	1.1	52	5.4		
WLF	e P	Z 12:40:46.5	51.6	97.7	1.2	28	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/07 13:25:36.9 21.700S 68.300W 125.0
 Chile-Bolivia border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 13:39:06.7	99.9	248.1					
	e Sdiff	N 13:50:36.6							

e SS E 13:57:28.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/07	17:38:36.7	6.530S	153.440E	33.0N		6.5		SZGRF
New Britain, Papua New Guinea, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PP	Z	17:59:03.8	122.3	48.9					
	e		18:16:14.4							
RUE	e PKPdf	Z	17:57:29.3	123.5	50.4					
	e PP	Z	17:59:11.8							
	e SP	R	18:09:00.3							
	e		18:16:25.6							
BSEG	e PKPdf	Z	17:57:30.8	124.0	46.0					
	e PP	Z	17:59:16.5							
	e SP	R	18:09:06.2							
	e		18:16:36.8							
BRG	e PKPdf	Z	17:57:31.0	124.4	51.4					
	e PP	Z	17:59:18.3							
	e SP	R	18:09:10.1							
	e		18:16:38.6							
CLL	e PKPdf	Z	17:57:31.2	124.6	50.2	1.1	65			
	e PP	Z	17:59:15.7							
	e PPP	Z	18:01:55.4							
	e SKKSac	N	18:06:11.8							
	e PKKPbc	Z	18:07:23.3							
	e PS	N	18:09:11.8							
	e PPS	Z	18:10:35.8							
	e SS	E	18:16:17.0							
	e SSS	N	18:20:43.5							
	e LR	Z	18:37:49.6							
	e L	Z	18:50:58.6			22.0	19180		6.7	
FBE	e PKPdf	Z	17:57:31.6	124.7	50.8					
HLG	e PP	Z	17:59:21.5	124.9	43.2					
NRDL	e		18:16:47.3	125.1	46.5					
TANN	e PKPdf	Z	17:57:33.1	125.4	50.1					
	e PP	Z	17:59:25.5							
	e SP	R	18:09:19.4							
	e		18:16:52.9							
CLZ	e PKPdf	Z	17:57:33.6	125.5	47.1					
	e PP	Z	17:59:27.3							
	e SP	R	18:09:19.4							
	e		18:16:54.2							
WERD	e PKPdf	Z	17:57:33.1	125.5	50.0					
GUNZ	e PKPdf	Z	17:57:33.4	125.5	50.0					
WERN	e PKPdf	Z	17:57:33.4	125.5	50.1					
MOX	e PKPdf	Z	17:57:33.5	125.7	49.1					

	e	PP	Z	17:59:28.4				
	e	SP	R	18:09:21.5				
	e			18:16:56.1				
GEC2	e	PKPdf	Z	17:57:33.5	125.8	52.3		
	e	PP	Z	17:59:28.1				
	e	SP	R	18:09:22.4				
	e			18:16:56.1				
MANZ	e	PKPdf	Z	17:57:34.1	125.9	50.0		
	e	PP	Z	17:59:28.8				
	e	SP	R	18:09:24.1				
	e			18:16:59.2				
ROTZ	e	PKPdf	Z	17:57:34.1	126.0	50.2		
	e	PP	Z	17:59:29.5				
	e	SP	R	18:09:24.1				
	e			18:17:01.7				
WET	e	PKPdf	Z	17:57:34.2	126.0	51.3		
	e	PP	Z	17:59:29.5				
	e	SP	R	18:09:25.8				
	e			18:17:02.3				
IBBN	e	PKPdf	Z	17:57:35.1	126.3	44.0		
	e	PP	Z	17:59:32.0				
	e	SP	R	18:09:24.9				
	e			18:17:02.3				
UBBA	e	PKPdf	Z	17:57:34.8	126.3	47.3		
	e	PP	Z	17:59:32.4				
	e	SP	R	18:09:25.8				
	e			18:17:04.1				
GRA1	e	PKPdf	Z	17:57:35.1	126.5	49.2		
	e	PP	Z	17:59:33.5				
	e	SP	R	18:09:29.2				
	e			18:17:07.3				
	e	L	Z	18:52:48.7			19.4	9517 6.5
GRFO	e	PP	Z	17:59:33.5	126.5	49.2		
BUG	e	PKPdf	Z	17:57:36.5	127.1	43.9		
	e	PP	Z	17:59:37.1				
	e	SP	R	18:09:31.7				
TNS	e	PKPdf	Z	17:57:37.2	127.4	45.9		
	e	PP	Z	17:59:39.6				
	e			18:17:23.4				
FUR	e	PKPdf	Z	17:57:36.8	127.5	50.1		
	e	PP	Z	17:59:38.2				
	e	SP	R	18:09:37.7				
	e			18:17:21.6				
STU	e	PKPdf	Z	17:57:38.2	128.1	47.5		
	e	PP	Z	17:59:42.9				
	e			18:17:28.4				
BFO	e	PKPdf	Z	17:57:39.2	128.8	46.8		
	e	PP	Z	17:59:48.3				
	e			18:17:36.5				

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WLF	e PKPdf	Z	17:57:40.7	128.9	43.6
	e PP	Z	17:59:49.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z	00:23:43.0							
BSEG	e PKPdf	Z	00:23:43.0							
CLL	e PKPdf	Z	00:23:43.5							
CLZ	e PKPdf	Z	00:23:45.4							
FBE	e PKPdf	Z	00:23:43.7							
GEC2	e PKPdf	Z	00:23:45.3							
GRA1	e PKPdf	Z	00:23:47.1							
GUNZ	e PKPdf	Z	00:23:45.9							
MANZ	e PKPdf	Z	00:23:46.2							
MOX	e PKPdf	Z	00:23:46.0							
STU	e PKPdf	Z	00:23:50.9							
TANN	e PKPdf	Z	00:23:45.0							
TNS	e PKPdf	Z	00:23:49.8							
WERD	e PKPdf	Z	00:23:45.3							
WERN	e PKPdf	Z	00:23:46.0							
WET	e PKPdf	Z	00:23:46.2							
WLF	e PKPdf	Z	00:23:52.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	02:21:32.0	43.511N	76.291E	19.8	4.6			SZGRF
Lake Issyk-Kul, Kyrgyzstan, region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:29:34.2	43.7	72.1	1.2	16	4.6		
	e pP	Z	02:29:39.5			1.5	17			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	02:57:26.6	22.230S	175.680W	33.0N				SZGRF
Tonga Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	03:17:08.7	148.0	10.5					
CLZ	e PKPbc	Z	03:17:14.7	150.0	11.3					
CLL	e PKPbc	Z	03:17:14.0	150.1	16.3					
	e PKPab	Z	03:17:19.9							
BRG	e PKPbc	Z	03:17:14.2	150.4	18.3					

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	e	PKPab	Z	03:17:21.2					
FBE	e	PKPbc	Z	03:17:15.2	150.5	17.1			
	e	PKPab	Z	03:17:21.7					
MOX	e	PKPbc	Z	03:17:16.0	151.0	14.0			
	e	PKPab	Z	03:17:24.0					
WERD	e	PKPbc	Z	03:17:16.7	151.1	15.4			
TANN	e	PKPbc	Z	03:17:16.3	151.1	15.7			
GUNZ	e	PKPbc	Z	03:17:16.9	151.2	15.5			
WERN	e	PKPbc	Z	03:17:16.9	151.2	15.6			
	e	PKPab	Z	03:17:25.4					
MANZ	e	PKPbc	Z	03:17:17.8	151.6	15.3			
ROTZ	e	PKPbc	Z	03:17:18.3	151.8	15.6			
TNS	e	PKPbc	Z	03:17:18.3	151.8	8.1			
	e	PKPab	Z	03:17:26.8					
GRA1	e	PKPbc	Z	03:17:18.9	152.0	13.7			
	e	PKPab	Z	03:17:26.8					
GEC2	e	PKPbc	Z	03:17:19.2	152.4	19.0			
WLF	e	PKPbc	Z	03:17:21.0	152.5	3.7			
	e	PKPab	Z	03:17:30.4					
STU	e	PKPbc	Z	03:17:21.8	153.2	10.0			
BFO	e	PKPbc	Z	03:17:22.3	153.7	8.4			
	e	PKPab	Z	03:17:35.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	04:32:35.3	31.000N	30.750E	10.0G	4.4			SZGRF
Egypt								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	04:37:30.4	22.0	137.9	0.9	13	4.3		
WET	e P	Z	04:37:35.8	22.6	136.8	1.0	7	4.2		
ROTZ	e P	Z	04:37:43.0	23.4	136.5	0.8	5	4.2		
MANZ	e P	Z	04:37:45.2	23.6	136.7	1.1	10	4.2		
WERN	e P	Z	04:37:46.5	23.7	137.7	1.1	13	4.4		
GRA1	e P	Z	04:37:46.8	23.7	134.6	0.7	14	4.6		
STU	e P	Z	04:37:51.2	24.1	129.6	0.8	24	4.8		
CLL	e P	Z	04:37:51.4	24.2	140.3	0.8	9	4.4		
MOX	e P	Z	04:37:52.5	24.2	136.8	0.9	11	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	06:37:33.3	21.450S	177.380W	33.0G				SZGRF
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	06:56:19.5	147.0	13.2					
RUE	e PKPbc	Z	06:56:21.3	147.8	19.8					

NRDL	e	PKPbc	Z	06:56:20.9	148.4	13.4
IBBN	e	PKPbc	Z	06:56:24.6	148.9	9.3
CLZ	e	PKPdf	Z	06:56:19.6	149.0	14.1
	e	PKPbc	Z	06:56:24.9		
CLL	e	PKPdf	Z	06:56:20.0	149.1	19.0
	e	PKPbc	Z	06:56:24.5		
BRG	e	PKPdf	Z	06:56:20.2	149.3	21.0
	e	PKPbc	Z	06:56:25.1		
	e	PKPab	Z	06:56:31.1		
FBE	e	PKPbc	Z	06:56:25.5	149.4	19.9
	e	PKPab	Z	06:56:31.8		
BUG	e	PKPbc	Z	06:56:26.5	149.8	8.6
MOX	e	PKPdf	Z	06:56:21.3	150.0	16.9
	e	PKPbc	Z	06:56:26.8		
	e	PKPab	Z	06:56:34.1		
TANN	e	PKPbc	Z	06:56:27.0	150.0	18.6
	e	PKPab	Z	06:56:34.6		
WERD	e	PKPbc	Z	06:56:26.9	150.0	18.3
	e	PKPab	Z	06:56:34.6		
UBBA	e	PKPbc	Z	06:56:26.9	150.1	13.9
GUNZ	e	PKPbc	Z	06:56:27.3	150.1	18.4
WERN	e	PKPbc	Z	06:56:27.5	150.2	18.5
	e	PKPab	Z	06:56:35.5		
MANZ	e	PKPbc	Z	06:56:28.3	150.5	18.2
ROTZ	e	PKPbc	Z	06:56:28.6	150.7	18.5
TNS	e	PKPbc	Z	06:56:29.9	150.9	11.2
	e	PKPab	Z	06:56:38.2		
GRA1	e	PKPbc	Z	06:56:28.9	150.9	16.7
	e	PKPab	Z	06:56:39.0		
WET	e	PKPbc	Z	06:56:29.5	151.1	20.1
	e	PKPab	Z	06:56:39.4		
GEC2	e	PKPbc	Z	06:56:29.5	151.2	21.8
WLF	e	PKPbc	Z	06:56:31.5	151.6	6.9
STU	e	PKPbc	Z	06:56:31.9	152.2	13.2
FUR	e	PKPbc	Z	06:56:32.1	152.4	17.6
	e	PKPab	Z	06:56:45.0		
BFO	e	PKPbc	Z	06:56:33.0	152.7	11.7
	e	PKPab	Z	06:56:46.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	08:22:38.8	48.000N	153.250E	42.5	5.4	4.5		SZGRF
Kuril Islands, Russia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	08:34:06.9	73.4	24.9	1.2	44	5.4		
RUE	e P	Z	08:34:09.5	73.8	26.9	1.1	100	5.7		
CLL	e P	Z	08:34:15.9	75.0	26.3	1.0	84	5.7		

	e pP	Z	08:34:29.5								
BRG	e P	Z	08:34:16.7	75.1	26.8	1.1	30	5.3			
CLZ	e P	Z	08:34:18.1	75.2	24.7	1.3	85	5.7			
FBE	e P	Z	08:34:17.7	75.3	26.5	1.0	51	5.6			
IBBN	e P	Z	08:34:19.0	75.5	23.1	1.6	87	5.6			
TANN	e P	Z	08:34:21.9	76.0	25.8	1.2	25	5.2			
WERD	e P	Z	08:34:22.0	76.0	25.8	1.1	33	5.4			
MOX	e P	Z	08:34:22.0	76.0	25.3	1.1	36	5.4			
GUNZ	e P	Z	08:34:22.5	76.1	25.8	1.0	33	5.4			
WERN	e P	Z	08:34:22.8	76.1	25.8	0.9	36	5.5			
UBBA	e P	Z	08:34:23.5	76.3	24.3	1.6	50	5.4			
BUG	e P	Z	08:34:24.1	76.4	22.7	1.5	45	5.4			
MANZ	e P	Z	08:34:24.8	76.5	25.6	1.0	21	5.2			
	e pP	Z	08:34:38.3								
ROTZ	e P	Z	08:34:26.0	76.6	25.6						
GRA1	e P	Z	08:34:28.0	77.0	25.0	1.2	83	5.7			
	e L	Z	09:11:42.3			21.5	246		4.5		
WET	e P	Z	08:34:28.1	77.0	26.0	1.1	44	5.5			
	e sP	Z	08:34:41.4								
GEC2	e P	Z	08:34:27.8	77.0	26.5	1.0	18	5.1			
TNS	e P	Z	08:34:29.0	77.2	23.3	1.1	26	5.3			
WLF	e P	Z	08:34:35.4	78.3	21.8	1.2	25	5.1			
FUR	e P	Z	08:34:35.4	78.3	24.9	1.2	56	5.5			
STU	e P	Z	08:34:35.2	78.4	23.6	1.1	27	5.2			
BFO	e P	Z	08:34:38.7	79.0	23.1	1.1	24	5.1			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/08 14:57: 0.7 48.220N 153.050E 33.0N 5.6 5.4 SZGRF
 Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	15:08:23.9	71.8	27.0	1.0	174	6.1		
BSEG	e P	Z	15:08:31.8	73.1	24.9	1.4	63	5.6		
RUE	e P	Z	15:08:33.9	73.5	27.0					
CLL	e P	Z	15:08:41.4	74.8	26.3	1.5	117	5.8		
	e PP	Z	15:11:36.2							
	e S	E	15:18:33.5							
	e SSS	N	15:26:51.6							
	e L	Z	15:45:11.3			20.0	2412		5.5	
BRG	e P	Z	15:08:41.6	74.9	26.9	1.2	40	5.3		
CLZ	e P	Z	15:08:42.9	75.0	24.7	1.4	100	5.7		
FBE	e P	Z	15:08:42.5	75.0	26.5	1.2	60	5.5		
IBBN	e P	Z	15:08:43.8	75.2	23.1	2.6	414	6.1		
TANN	e P	Z	15:08:46.9	75.7	25.9	1.8	72	5.5		
WERD	e P	Z	15:08:46.8	75.7	25.8	1.9	130	5.7		
MOX	e P	Z	15:08:46.8	75.7	25.4	1.3	54	5.5		

GUNZ	e P	Z	15:08:47.4	75.8	25.8	2.2	147	5.7	
WERN	e P	Z	15:08:47.6	75.9	25.8	1.0	33	5.4	
UBBA	e P	Z	15:08:48.4	76.0	24.4	1.9	107	5.7	
BUG	e P	Z	15:08:48.9	76.1	22.7	1.5	66	5.5	
MANZ	e P	Z	15:08:49.6	76.2	25.6	1.1	31	5.3	
ROTZ	e P	Z	15:08:50.8	76.4	25.7	1.4	61	5.5	
GRA1	e P	Z	15:08:52.8	76.7	25.0	1.2	98	5.8	
	e L	Z	15:46:09.4			20.5	2047		5.4
WET	e P	Z	15:08:52.9	76.7	26.0	2.5	303	6.0	
GEC2	e P	Z	15:08:52.6	76.8	26.5				
TNS	e P	Z	15:08:53.9	77.0	23.3	1.7	75	5.5	
WLF	e P	Z	15:09:00.1	78.0	21.8	1.7	79	5.6	
FUR	e P	Z	15:09:00.2	78.1	24.9	1.4	76	5.6	
STU	e P	Z	15:09:00.1	78.1	23.7	1.5	70	5.6	
BFO	e P	Z	15:09:03.5	78.7	23.1	1.5	43	5.2	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/08 17:18:37.4 15.560N 98.910W 33.0N 5.2 4.5
 Off coast of Guerrero, Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z	17:31:23.3	87.5	292.5	1.2	49	5.7		
WLF	e P	Z	17:31:22.6	87.6	291.4	1.3	42	5.6		
BSEG	e P	Z	17:31:26.4	88.3	294.5	0.9	15	5.3		
TNS	e P	Z	17:31:28.6	88.7	293.1	0.9	20	5.3		
CLZ	e P	Z	17:31:31.0	89.2	294.6	0.9	6	4.8		
UBBA	e P	Z	17:31:31.7	89.4	294.3	1.8	26	5.1		
BFO	e P	Z	17:31:31.6	89.4	293.1	1.2	9	4.9		
STU	e P	Z	17:31:34.0	89.7	293.7	0.9	15	5.2		
MOX	e P	Z	17:31:36.3	90.4	295.5	0.9	6	5.0		
GRA1	e P	Z	17:31:37.9	90.6	295.2	1.5	22	5.3		
	e L	Z	18:06:45.7			21.8	186		4.5	
WERD	e P	Z	17:31:38.4	90.9	296.1	1.2	11	5.1		
CLL	e P	Z	17:31:38.8	90.9	296.6	0.7	7	5.1		
GUNZ	e P	Z	17:31:38.8	90.9	296.1	1.0	10	5.1		
MANZ	e P	Z	17:31:39.0	91.0	295.9	1.0	7	5.0		
TANN	e P	Z	17:31:39.4	91.0	296.2	1.1	13	5.2		
WERN	e P	Z	17:31:39.4	91.0	296.1	1.2	16	5.2		
ROTZ	e P	Z	17:31:39.8	91.1	296.0	1.3	10	5.0		
FBE	e P	Z	17:31:40.3	91.3	296.9	1.0	13	5.2		
BRG	e P	Z	17:31:42.0	91.6	297.4	0.9	14	5.3		
WET	e P	Z	17:31:43.0	91.8	296.5	1.1	10	5.1		
GEC2	e P	Z	17:31:45.3	92.4	297.1	1.0	6	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/11/08 20:47:36.2

48.200N

152.760E

33.0G

5.6

SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:59:05.5	73.0	25.1	1.7	141	5.8		
RUE	e P	Z	20:59:07.5	73.4	27.2	1.4	127	5.8		
CLL	e P	Z	20:59:14.2	74.7	26.5	1.2	84	5.7		
BRG	e P	Z	20:59:15.2	74.8	27.0	1.6	67	5.4		
CLZ	e P	Z	20:59:16.5	74.9	24.9	1.5	133	5.7		
FBE	e P	Z	20:59:16.1	75.0	26.7	1.5	99	5.6		
IBBN	e P	Z	20:59:17.4	75.2	23.3	1.3	72	5.6		
TANN	e P	Z	20:59:20.4	75.7	26.1	1.9	95	5.6		
WERD	e P	Z	20:59:20.4	75.7	26.0	1.7	80	5.6		
MOX	e P	Z	20:59:20.4	75.7	25.6	1.6	71	5.6		
GUNZ	e P	Z	20:59:20.9	75.7	26.0	1.7	87	5.6		
WERN	e P	Z	20:59:21.2	75.8	26.0	1.3	50	5.5		
UBBA	e P	Z	20:59:21.9	76.0	24.6	2.0	117	5.7		
BUG	e P	Z	20:59:22.5	76.1	22.9	1.9	123	5.7		
MANZ	e P	Z	20:59:23.2	76.1	25.8	1.6	50	5.4		
ROTZ	e P	Z	20:59:24.3	76.3	25.8	1.5	69	5.6		
GRA1	e P	Z	20:59:26.3	76.7	25.2	1.5	133	5.8		
WET	e P	Z	20:59:26.5	76.7	26.2	1.5	78	5.6		
GEC2	e P	Z	20:59:26.2	76.7	26.7	1.8	53	5.4		
TNS	e P	Z	20:59:27.4	76.9	23.5	1.8	98	5.6		
WLF	e P	Z	20:59:33.9	78.0	22.0	1.6	62	5.5		
FUR	e P	Z	20:59:33.8	78.0	25.1	2.0	157	5.8		
STU	e P	Z	20:59:33.5	78.0	23.9	1.7	65	5.5		
BFO	e P	Z	20:59:36.9	78.7	23.3	1.8	58	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	20:50:48.1	48.660N	151.940E	33.0N	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	21:02:13.9	72.4	25.5	1.0	25	5.3		
RUE	e P	Z	21:02:15.9	72.8	27.5	0.9	43	5.6		
CLL	e P	Z	21:02:22.7	74.1	26.8	0.9	60	5.6		
BRG	e P	Z	21:02:23.5	74.2	27.3	1.0	21	5.1		
CLZ	e P	Z	21:02:25.1	74.3	25.2	1.0	38	5.4		
FBE	e P	Z	21:02:24.5	74.3	27.0	0.9	34	5.4		
IBBN	e P	Z	21:02:26.0	74.5	23.6	1.1	42	5.4		
TANN	e P	Z	21:02:28.6	75.0	26.4	0.9	10	4.8		
WERD	e P	Z	21:02:28.7	75.0	26.3	1.0	20	5.1		
MOX	e P	Z	21:02:28.9	75.0	25.9	1.0	25	5.2		
GUNZ	e P	Z	21:02:29.3	75.1	26.3	0.9	25	5.3		
WERN	e P	Z	21:02:29.6	75.1	26.3	0.8	31	5.4		
UBBA	e P	Z	21:02:30.2	75.3	24.9	1.0	11	5.0		

BUG	e P	Z	21:02:31.0	75.5	23.2	1.0	25	5.3
MANZ	e P	Z	21:02:31.5	75.5	26.1	0.9	15	5.1
ROTZ	e P	Z	21:02:32.9	75.7	26.1	0.9	25	5.3
GRA1	e P	Z	21:02:34.8	76.0	25.5	0.9	54	5.7
WET	e P	Z	21:02:35.0	76.0	26.5	0.9	26	5.4
GEC2	e P	Z	21:02:34.4	76.1	27.0	0.9	11	5.0
TNS	e P	Z	21:02:36.1	76.3	23.9	0.9	25	5.3
FUR	e P	Z	21:02:42.3	77.4	25.4	1.0	41	5.5
STU	e P	Z	21:02:42.2	77.4	24.2	0.9	22	5.3
BFO	e P	Z	21:02:45.5	78.0	23.6	1.0	23	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/08	23:15:50.4	1.645S	27.347W	33.0N	4.4	4.0		SZGRF
South Atlantic Ocean								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:26:01.5	61.1	225.4	1.3	9	4.4		
	e L	Z 23:48:17.3			20.9	127		4.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/09	00:01:33.9	47.163N	152.695E	33.0N	5.1			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:13:27.0	77.6	25.7	0.9	14	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/09	02:26:25.2	47.076N	153.852E	33.0N	5.1	4.4		SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 02:38:08.3	76.0	26.3	0.8	43	5.6		
BRG	e P	Z 02:38:09.5	76.2	26.9	0.9	12	5.0		
CLZ	e P	Z 02:38:10.4	76.3	24.7	1.1	27	5.3		
FBE	e P	Z 02:38:11.0	76.3	26.5	0.9	26	5.4		
IBBN	e P	Z 02:38:12.0	76.5	23.0	1.3	43	5.4		
TANN	e P	Z 02:38:15.2	77.0	25.9	0.9	8	4.9		
WERD	e P	Z 02:38:14.7	77.0	25.8	0.9	14	5.1		
MOX	e P	Z 02:38:14.5	77.0	25.3	0.9	17	5.2		
GUNZ	e P	Z 02:38:15.0	77.1	25.8	0.8	17	5.2		
WERN	e P	Z 02:38:15.4	77.1	25.8	0.8	22	5.3		
UBBA	e P	Z 02:38:15.9	77.3	24.3	0.8	9	5.0		
MANZ	e P	Z 02:38:17.0	77.5	25.6	1.0	12	5.0		

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ROTZ	e P	Z	02:38:18.0	77.6	25.6	0.8	14	5.1			
GRA1	e P	Z	02:38:20.6	78.0	25.0	0.9	41	5.5			
	e L	Z	03:15:24.5			21.3	210		4.4		
WET	e P	Z	02:38:20.6	78.0	26.0	0.9	21	5.3			
GEC2	e P	Z	02:38:20.3	78.0	26.5	1.0	8	4.8			
TNS	e P	Z	02:38:21.8	78.2	23.3	1.3	22	5.0			
WLF	e P	Z	02:38:27.7	79.3	21.7	1.9	79	5.3			
FUR	e P	Z	02:38:28.4	79.3	24.9	1.2	32	5.1			
STU	e P	Z	02:38:28.4	79.4	23.6	1.1	14	4.8			
BFO	e P	Z	02:38:30.9	80.0	23.0	1.1	9	4.6			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/09 04:20:51.1 47.603N 153.667E 33.0N 5.1
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:32:43.5	77.4	24.9	1.1	15	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/09 15:55:47.8 0.564N 97.494E 33.0N 5.0
 Northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 16:08:22.2	85.5	94.3	1.3	27			
BRG	e P	Z 16:08:22.1	85.5	94.7	1.2	15			
FBE	e P	Z 16:08:24.3	85.9	94.2	1.4	24			
WET	e P	Z 16:08:24.9	86.1	93.7	1.2	15			
CLL	e P	Z 16:08:25.0	86.1	94.0	1.4	19			
GUNZ	e P	Z 16:08:27.5	86.5	93.4	1.3	21			
ROTZ	e P	Z 16:08:27.6	86.5	93.2	1.2	14			
MANZ	e P	Z 16:08:28.5	86.6	93.2	1.1	21			
MOX	e P	Z 16:08:29.7	87.0	92.8	1.5	14			
GRA1	e P	Z 16:08:30.9	87.2	92.5	1.3	23	5.0		
CLZ	e P	Z 16:08:34.0	87.8	91.9	1.6	36			
TNS	e P	Z 16:08:39.7	89.0	90.4	1.4	19			
BFO	e P	Z 16:08:39.4	89.0	90.2	2.0	41			
BUG	e P	Z 16:08:43.1	89.7	89.5	1.4	50			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/09

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 22:19:26.3			0.9	6			

CLL	e P	Z	22:19:25.6	0.6	14
CLZ	e P	Z	22:19:28.8	0.7	17
FBE	e P	Z	22:19:27.1	0.8	14
GEC2	e P	Z	22:19:35.9	1.6	11
GRA1	e P	Z	22:19:37.3	1.0	15
MANZ	e P	Z	22:19:34.2	0.7	4
MOX	e P	Z	22:19:31.7		
ROTZ	e P	Z	22:19:35.0	1.3	9
WERD	e P	Z	22:19:31.5	0.7	4
WERN	e P	Z	22:19:32.1	0.5	8
WET	e P	Z	22:19:36.6	0.7	5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/10	05:35:15.1	24.760S	179.850W	33.0N				SZGRF
South of Fiji Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z	05:55:03.5	150.4	25.7					
CLL	e PKPbc	Z	05:55:06.1	151.7	25.2					
BRG	e PKPbc	Z	05:55:06.7	151.8	27.3					
CLZ	e PKPbc	Z	05:55:06.9	151.8	20.0					
IBBN	e PKPbc	Z	05:55:07.6	151.9	14.8					
FBE	e PKPbc	Z	05:55:07.2	151.9	26.2					
	e PKPab	Z	05:55:16.5							
TANN	e PKPbc	Z	05:55:08.5	152.6	24.9					
MOX	e PKPbc	Z	05:55:08.4	152.6	23.1					
WERD	e PKPbc	Z	05:55:08.4	152.6	24.6					
GUNZ	e PKPab	Z	05:55:21.0	152.7	24.7					
WERN	e PKPab	Z	05:55:21.6	152.8	24.9					
MANZ	e PKPbc	Z	05:55:09.6	153.1	24.6					
ROTZ	e PKPbc	Z	05:55:09.9	153.3	25.0					
GRA1	e PKPbc	Z	05:55:10.7	153.6	23.1					
TNS	e PKPbc	Z	05:55:10.7	153.7	17.2					
WLF	e PKPab	Z	05:55:28.8	154.7	12.8					
STU	e PKPbc	Z	05:55:13.7	155.0	19.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/10	08:53:45.3	52.020N	144.030E	33.0N	5.1			SZGRF
Sea of Okhotsk								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	09:04:40.5	67.5	30.6	0.9	20	5.4		
CLL	e P	Z	09:04:47.3	68.7	29.9	0.8	27	5.5		
BRG	e P	Z	09:04:48.3	68.8	30.3	1.9	33	5.2		
FBE	e P	Z	09:04:49.5	69.0	30.0	1.0	15	5.2		

CLZ	e P	Z	09:04:50.3	69.1	28.5	1.5	33	5.3
WERD	e P	Z	09:04:54.0	69.7	29.3	1.1	11	4.9
MOX	e P	Z	09:04:54.3	69.7	29.0	1.2	10	4.8
GUNZ	e P	Z	09:04:54.9	69.8	29.3	2.0	36	5.1
WERN	e P	Z	09:04:55.1	69.8	29.3	0.8	9	4.9
ROTZ	e P	Z	09:04:58.2	70.3	29.1	1.2	14	5.0
GEC2	e P	Z	09:04:59.5	70.6	29.8	0.9	6	4.7
WET	e P	Z	09:05:00.5	70.7	29.4	1.2	20	5.1
GRA1	e P	Z	09:05:00.6	70.7	28.6	0.9	19	5.2
BFO	e P	Z	09:05:12.4	72.8	26.7	1.4	19	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/10	13:21:34.8	25.780N	91.280E	41.9	5.1			SZGRF
India-Bangladesh border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 13:31:55.1	62.5	82.1	1.4	25	5.1		
FBE	e P	Z 13:31:57.5	62.8	81.7	1.3	26	5.2		
	e pP	Z 13:32:09.0							
GEC2	e P	Z 13:31:57.6	62.9	80.9	1.4	28	5.2		
CLL	e P	Z 13:31:58.3	63.0	81.7	1.2	12	4.9		
WET	e P	Z 13:32:00.9	63.4	80.5	1.0	9	4.9		
TANN	e P	Z 13:32:00.9	63.5	80.8	1.4	18	5.1		
	e pP	Z 13:32:13.2							
WERN	e P	Z 13:32:02.2	63.6	80.7	0.9	6	4.8		
GUNZ	e P	Z 13:32:02.2	63.6	80.7	1.1	16	5.1		
WERD	e P	Z 13:32:02.0	63.6	80.7	1.3	17	5.1		
ROTZ	e P	Z 13:32:03.8	63.8	80.3	0.9	15	5.2		
	e pP	Z 13:32:15.4							
MANZ	e P	Z 13:32:03.9	63.8	80.4	1.4	15	5.0		
MOX	e P	Z 13:32:04.7	64.0	80.3	1.2	15	5.1		
GRA1	e P	Z 13:32:07.8	64.4	79.6	1.2	16	5.1		
CLZ	e P	Z 13:32:08.5	64.5	80.0	1.0	21	5.3		
WLF	e P	Z 13:32:28.1	67.6	76.0	1.1	34	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/11	00:25:36.4	20.520S	177.360W	505.2				SZGRF
Fiji Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 00:44:21.5	146.9	19.3					
IBBN	e PKPbc	Z 00:44:24.4	148.0	9.1					
CLZ	e PKPdf	Z 00:44:20.7	148.1	13.8					
	e PKPbc	Z 00:44:24.6							
CLL	e PKPdf	Z 00:44:20.6	148.2	18.6					

	e	PKPbc	Z	00:44:24.8					
	e	PKPab	Z	00:44:28.8					
	e	pPKPbc	Z	00:46:22.8					
BRG	e	PKPbc	Z	00:44:25.2	148.4	20.5			
FBE	e	PKPbc	Z	00:44:25.7	148.5	19.4			
	e	PKPab	Z	00:44:30.3					
BUG	e	PKPbc	Z	00:44:26.3	148.9	8.4			
MOX	e	PKPdf	Z	00:44:22.1	149.1	16.5			
	e	PKPbc	Z	00:44:26.8					
WERD	e	PKPdf	Z	00:44:22.1	149.1	17.8			
	e	PKPbc	Z	00:44:27.5					
GUNZ	e	PKPbc	Z	00:44:27.4	149.2	17.9			
	e	PKPab	Z	00:44:33.0					
WERN	e	PKPbc	Z	00:44:27.5	149.3	18.0			
	e	PKPab	Z	00:44:33.7					
MANZ	e	PKPdf	Z	00:44:23.3	149.6	17.7			
	e	PKPbc	Z	00:44:28.7					
ROTZ	e	PKPbc	Z	00:44:29.1	149.8	18.0			
TNS	e	PKPbc	Z	00:44:29.3	149.9	10.9			
GRA1	e	PKPbc	Z	00:44:29.5	150.0	16.3			
	e	pPKPbc	Z	00:46:28.7					
WET	e	PKPbc	Z	00:44:29.7	150.2	19.6			
GEC2	e	PKPbc	Z	00:44:30.0	150.3	21.3			
WLF	e	PKPbc	Z	00:44:31.5	150.7	6.7			
	e	PKPab	Z	00:44:40.3					
STU	e	PKPdf	Z	00:44:26.0	151.3	12.8			
	e	PKPbc	Z	00:44:32.1					
FUR	e	PKPbc	Z	00:44:32.8	151.5	17.1			
BFO	e	PKPbc	Z	00:44:33.5	151.8	11.3			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/11	02:29:26.3	21.040S	178.490W	572.7				SZGRF

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e	PKPbc	Z	02:48:05.3	147.2	21.5			
IBBN	e	PKPbc	Z	02:48:08.5	148.4	11.2			
CLL	e	PKPbc	Z	02:48:08.5	148.4	20.8			
	e	PKPab	Z	02:48:14.0					
CLZ	e	PKPdf	Z	02:48:04.3	148.4	15.9			
	e	PKPbc	Z	02:48:08.8					
BRG	e	PKPbc	Z	02:48:09.3	148.6	22.7			
	e	PKPab	Z	02:48:14.6					
	e	pPKPbc	Z	02:50:22.8					
FBE	e	PKPbc	Z	02:48:09.5	148.7	21.6			
	e	PKPab	Z	02:48:15.3					
BUG	e	PKPbc	Z	02:48:10.6	149.3	10.6			

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MOX	e PKPdf	Z	02:48:05.8	149.3	18.7
	e PKPbc	Z	02:48:10.8		
	e PKPab	Z	02:48:17.7		
WERD	e PKPdf	Z	02:48:05.8	149.4	20.1
	e PKPbc	Z	02:48:11.3		
	e PKPab	Z	02:48:18.0		
GUNZ	e PKPbc	Z	02:48:11.6	149.5	20.2
	e PKPab	Z	02:48:18.6		
WERN	e PKPbc	Z	02:48:11.6	149.5	20.3
	e PKPab	Z	02:48:19.1		
MANZ	e PKPbc	Z	02:48:12.4	149.9	20.0
ROTZ	e PKPbc	Z	02:48:12.5	150.0	20.3
	e PKPab	Z	02:48:20.6		
TNS	e PKPbc	Z	02:48:13.1	150.3	13.2
	e PKPab	Z	02:48:21.9		
	e pPKPbc	Z	02:50:25.0		
GRA1	e PKPbc	Z	02:48:13.0	150.3	18.5
	e PKPab	Z	02:48:22.3		
WET	e PKPbc	Z	02:48:13.7	150.5	21.9
	e PKPab	Z	02:48:23.0		
	e pPKPbc	Z	02:50:24.8		
GEC2	e PKPbc	Z	02:48:13.6	150.5	23.6
	e PKPab	Z	02:48:23.0		
WLF	e PKPbc	Z	02:48:15.5	151.1	9.0
	e PKPab	Z	02:48:25.4		
STU	e PKPdf	Z	02:48:09.3	151.6	15.2
	e PKPbc	Z	02:48:16.3		
	e PKPab	Z	02:48:26.9		
FUR	e PKPbc	Z	02:48:16.3	151.8	19.5
	e PKPab	Z	02:48:28.2		
BFO	e PKPbc	Z	02:48:17.0	152.2	13.7

Date
2006/11/11

Origin Time

Lat

Long

Depth

mb

Ms

ML

Source

Sta
GRA1

Phase
e PKP

Time
Z 04:32:30.9

Dist

BAz

T[s]

A[nm]

mb

MS

ML

Date
2006/11/11

Origin Time
11:11: 2.0

Lat
49.574N

Long
24.963W

Depth
33.0N

mb
4.4

Ms

ML

Source
SZGRF

Northern Mid-Atlantic Ridge

Sta
GRA1

Phase
e P

Time
Z 11:16:06.5

Dist
23.2

BAz
283.7

T[s]
1.4

A[nm]
18

mb
4.4

MS

ML

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 13:43:54.1							
	e Sn	N 13:44:28.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/12	18:21:29.0	6.770S	150.120E	33.0G		6.0		SZGRF
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPdf	Z 18:40:18.6	121.1	52.5					
RUE	e PKPdf	Z 18:40:20.4	122.1	54.0					
	e PP	Z 18:41:54.5							
BSEG	e PKPdf	Z 18:40:21.9	122.8	49.7					
BRG	e PKPdf	Z 18:40:22.1	122.9	55.0					
	e PP	Z 18:42:01.1							
CLL	e PKPdf	Z 18:40:22.8	123.2	53.8	1.0	114			
	e PP	Z 18:42:07.7							
	e (PPP)	Z 18:44:45.0							
	e PKKPbc	Z 18:50:14.0							
	e PKKPdf	Z 18:50:50.6							
	e SKSP	N 18:52:02.3							
	e PPS	N 18:53:27.6							
	e LR	Z 19:20:15.2							
	e L	Z 19:33:16.9			22.0	4660		6.1	
FBE	e PKPdf	Z 18:40:22.8	123.2	54.4					
HLG	e PKPdf	Z 18:40:23.6	123.7	47.0					
WERD	e PKPdf	Z 18:40:24.2	124.0	53.6					
GUNZ	e PKPdf	Z 18:40:24.5	124.1	53.6					
WERN	e PKPdf	Z 18:40:24.5	124.1	53.7					
CLZ	e PKPdf	Z 18:40:24.7	124.1	50.8					
	e PP	Z 18:42:11.4							
GEC2	e PKPdf	Z 18:40:24.6	124.2	55.9					
	e PP	Z 18:42:10.1							
MOX	e PKPdf	Z 18:40:24.6	124.3	52.7					
	e PP	Z 18:42:11.1							
MANZ	e PKPdf	Z 18:40:25.2	124.4	53.6					
ROTZ	e PKPdf	Z 18:40:25.3	124.5	53.8					
WET	e PKPdf	Z 18:40:25.3	124.5	54.9					
GRA1	e PKPdf	Z 18:40:26.2	125.0	52.9					
	e PP	Z 18:42:15.2							
	e SP	R 18:52:12.6							
	e SS	T 18:59:14.2							
	e L	Z 19:36:01.8			20.4	3707		6.0	
IBBN	e PKPdf	Z 18:40:26.2	125.0	47.8					
BUG	e PKPdf	Z 18:40:27.6	125.8	47.7					
FUR	e PKPdf	Z 18:40:27.9	125.9	53.8					

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TNS	e	PKPdf	Z	18:40:28.3	126.1	49.6
STU	e	PKPdf	Z	18:40:29.3	126.6	51.3
BFO	e	PKPdf	Z	18:40:30.3	127.4	50.6
WLF	e	PKPdf	Z	18:40:31.8	127.6	47.5
	e	PP	Z	18:42:31.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/12	21:27:45.0	48.780N	153.320E	33.0N	6.5	5.8		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 21:39:04.4	71.3	26.6	1.1	692	6.7		
BSEG	e P	Z 21:39:12.0	72.6	24.5	1.2	338	6.3		
HLG	e P	Z 21:39:14.0	73.0	23.0	1.8	1507	6.8		
RUE	e P	Z 21:39:14.4	73.1	26.5	1.2	609	6.6		
CLL	e P	Z 21:39:21.2	74.3	25.9	1.1	643	6.6		
BRG	e P	Z 21:39:22.1	74.5	26.4	1.2	280	6.2		
CLZ	e P	Z 21:39:23.3	74.5	24.3	1.3	773	6.6		
FBE	e P	Z 21:39:23.0	74.6	26.1	1.2	497	6.4		
IBBN	e P	Z 21:39:23.9	74.8	22.7	1.2	467	6.4		
WERD	e P	Z 21:39:27.3	75.3	25.4	1.3	417	6.4		
MOX	e P	Z 21:39:27.2	75.3	25.0	1.2	390	6.4		
GUNZ	e P	Z 21:39:27.8	75.4	25.4	1.2	368	6.4		
WERN	e P	Z 21:39:28.1	75.4	25.4	1.1	375	6.4		
BUG	e P	Z 21:39:29.1	75.7	22.3	1.2	600	6.6		
MANZ	e P	Z 21:39:30.0	75.8	25.2	1.2	280	6.3		
ROTZ	e P	Z 21:39:31.3	75.9	25.2	1.2	492	6.5		
GRA1	e P	Z 21:39:33.3	76.3	24.6	1.2	876	6.8		
	e L	Z 22:17:01.8			20.8	5206		5.8	
WET	e P	Z 21:39:33.5	76.3	25.6	1.2	659	6.7		
GEC2	e P	Z 21:39:33.2	76.3	26.1	1.1	293	6.3		
TNS	e P	Z 21:39:34.1	76.5	22.9	1.1	480	6.5		
WLF	e P	Z 21:39:40.9	77.6	21.5	2.6	1970	6.8		
FUR	e P	Z 21:39:40.7	77.7	24.5	1.2	935	6.8		
STU	e P	Z 21:39:40.5	77.7	23.3	1.2	590	6.6		
BFO	e P	Z 21:39:43.8	78.3	22.7	1.2	587	6.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/13	01:26:34.1	26.100S	63.300W	550.0				NEIC

Santiago del Estero Province, Argentina

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e Pdiff	Z 01:39:08.0	97.5	238.0					
	e pPdiff	Z 01:41:15.7							
	e SKSac	R 01:48:53.4							

BFO	e Pdiff	Z	01:39:10.0	98.1	239.4
	e PP	Z	01:43:19.7		
	e SKSac	R	01:48:56.3		
STU	e Pdiff	Z	01:39:13.4	98.8	240.1
	e pPdiff	Z	01:41:21.0		
	e SKSac	R	01:49:00.6		
BUG	e Pdiff	Z	01:39:14.5	99.1	239.1
	e pPdiff	Z	01:41:22.4		
	e PP	Z	01:43:26.8		
TNS	e Pdiff	Z	01:39:15.1	99.1	239.7
	e PP	Z	01:43:27.3		
	e		01:45:14.5		
FUR	e Pdiff	Z	01:39:17.8	99.7	241.4
	e pPdiff	Z	01:41:25.5		
	e PP	Z	01:43:31.4		
	e SKSac	R	01:49:04.3		
IBBN	e Pdiff	Z	01:39:17.7	99.8	239.5
	e pPdiff	Z	01:41:25.6		
	e SKSac	R	01:49:06.9		
GRA1	e Pdiff	Z	01:39:21.0	100.4	241.6
	e pPdiff	Z	01:41:29.6		
	e SKSac	R	01:49:11.9		
	e PKKP	Z	01:55:38.5		
	e		01:56:06.6		
HLG	e SKSac	R	01:49:12.2	100.8	239.9
CLZ	e		01:45:28.0	100.9	241.4
	e SKSac	R	01:49:14.8		
ROTZ	e Pdiff	Z	01:39:23.3	101.0	242.3
	e pPdiff	Z	01:41:32.8		
	e PP	Z	01:43:40.6		
	e SKSac	R	01:49:13.0		
MANZ	e pPdiff	Z	01:41:32.4	101.0	242.3
	e PP	Z	01:43:40.5		
	e		01:45:29.7		
	e SKSac	R	01:49:14.3		
MOX	e Pdiff	Z	01:39:24.1	101.1	242.1
	e pPdiff	Z	01:41:31.8		
	e		01:45:28.0		
	e SKSac	R	01:49:14.0		
WET	e Pdiff	Z	01:39:24.0	101.1	242.7
	e pPdiff	Z	01:41:32.9		
	e PP	Z	01:43:41.1		
	e		01:45:28.6		
	e SKSac	R	01:49:12.7		
WERN	e Pdiff	Z	01:39:25.6	101.3	242.5
	e pPdiff	Z	01:41:34.4		
	e PP	Z	01:43:43.2		
GUNZ	e Pdiff	Z	01:39:25.8	101.3	242.5
WERD	e Pdiff	Z	01:39:25.7	101.4	242.5

	e pPdiff	Z	01:41:33.3									
GEC2	e Pdiff	Z	01:39:25.2	101.4	243.2							
	e pPdiff	Z	01:41:34.2									
	e SKSac	R	01:49:14.6									
CLL	e Pdiff	Z	01:39:32.4	102.1	243.2	1.7		212				
	e pPdiff	Z	01:41:37.2									
	e sPdiff	Z	01:42:34.0									
	e PP	Z	01:43:45.2									
	e pPP	Z	01:45:31.5									
	e sPP	Z	01:46:40.9									
	e SKSac	E	01:49:19.7									
	e Sdiff	N	01:50:28.7									
	e SP	Z	01:51:54.7									
	e PS	E	01:53:14.3									
	e PKKPbc	Z	01:55:29.8									
	e PKKPdf	Z	01:55:35.1									
	e SS	E	01:57:52.1									
	e sSS	E	02:01:00.3									
	e SSS	Z	02:01:44.3									
	e SSSS	E	02:05:06.8									
	e L	Z	02:13:43.3			22.0		4479		5.9		
FBE	e Pdiff	Z	01:39:29.1	102.2	243.4							
	e PP	Z	01:43:48.7									
BRG	e Pdiff	Z	01:39:30.3	102.5	243.8							
	e pPdiff	Z	01:41:37.8									
	e SKSac	R	01:49:20.6									
RUE	e Pdiff	Z	01:39:32.8	103.1	244.0							
	e PP	Z	01:43:55.7									
	e		01:45:43.3									
	e SKSac	R	01:49:22.8									
RGN	e SKS	R	01:49:27.2	103.8	244.1							

Date 2006/11/13 Origin Time 04:06:53.7 Lat 5.200S Long 151.500E Depth 124.0 mb Ms ML Source NEIC
 New Britain, Papua New Guinea, region

Sta GRA1 Phase e PKPpdf Time 04:25:38.0 Dist 124.4 BAz 50.5 T[s] A[nm] mb MS ML

Date 2006/11/13 Origin Time 06:30:32.2 Lat 45.989N Long 152.685E Depth 33.0N mb 5.0 Ms ML Source SZGRF
 East of Kuril Islands, Russia

Sta GRA1 Phase e P Time 06:42:31.2 Dist 78.6 BAz 26.2 T[s] 0.9 A[nm] 15 mb 5.0 MS ML

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2006/11/13											
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
	GRA1	e P	Z 08:15:25.1			1.2	20				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2006/11/13	08:54:12.2	11.130S	13.360W	33.0N	5.6	4.7		SZGRF			
Ascension Island region											

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 09:04:31.0	62.5	204.1	2.0	103	5.7		
STU	e P	Z 09:04:35.5	63.1	205.0	0.7	18	5.3		
TNS	e P	Z 09:04:42.7	64.2	203.9	1.9	94	5.7		
GRA1	e P	Z 09:04:44.4	64.5	206.9	2.7	258	6.0		
	e L	Z 09:33:04.1			18.9	489		4.7	
WET	e P	Z 09:04:45.1	64.6	208.7	2.0	90	5.7		
GEC2	e P	Z 09:04:45.0	64.6	209.6	1.8	52	5.5		
ROTZ	e P	Z 09:04:46.9	64.9	207.9	2.4	167	5.8		
MANZ	e P	Z 09:04:48.5	65.1	207.7	2.3	140	5.8		
UBBA	e P	Z 09:04:49.2	65.2	205.4	2.1	76	5.6		
WERN	e P	Z 09:04:50.5	65.4	207.9	2.0	79	5.6		
MOX	e P	Z 09:04:51.1	65.5	207.1	1.7	42	5.4		
WERD	e P	Z 09:04:50.9	65.5	207.8	1.9	50	5.4		
TANN	e P	Z 09:04:51.2	65.5	208.0	1.9	73	5.6		
IBBN	e P	Z 09:04:54.2	66.0	202.8	2.0	113	5.7		
CLZ	e P	Z 09:04:56.1	66.2	205.6	2.1	80	5.6		
RUE	e P	Z 09:05:05.3	67.7	208.9	1.3	61	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2006/11/13	11:56:39.6	18.920S	180.180W	613.4				SZGRF			
Fiji Islands region											

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 12:15:07.7	144.7	23.3					
CLL	e PKPbc	Z 12:15:11.1	146.0	22.7					
IBBN	e PKPbc	Z 12:15:11.5	146.0	13.5					
CLZ	e PKPbc	Z 12:15:11.4	146.1	18.1					
FBE	e PKPbc	Z 12:15:11.8	146.3	23.5					
WERD	e PKPbc	Z 12:15:13.1	146.9	22.0					
	e pPKPbc	Z 12:17:32.3							
BUG	e PKPbc	Z 12:15:13.7	147.0	13.0					

WERN	e	PKPab	Z	12:15:17.7	147.1	22.2
GRA1	e	PKPab	Z	12:15:20.8	147.9	20.6
TNS	e	PKPbc	Z	12:15:16.7	148.0	15.5
WET	e	pPKPbc	Z	12:17:30.7	148.0	23.8
GEC2	e	PKPbc	Z	12:15:17.0	148.0	25.4
	e	PKPab	Z	12:15:21.8		
WLF	e	PKPbc	Z	12:15:19.3	148.8	11.6
FUR	e	PKPbc	Z	12:15:20.3	149.3	21.6
BFO	e	PKPbc	Z	12:15:21.6	149.8	16.2
	e	PKPab	Z	12:15:27.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/13	14:31:50.6	16.047S	67.292E	33.0N	5.0			SZGRF

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:44:08.6	82.2	126.4	1.6	18	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/13	16:12:32.0	6.400S	151.200E	29.0		6.1		NEIC

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPdf	Z 16:31:24.4	122.3	52.7					
	e pPKPdf	Z 16:31:39.8							
BRG	e PKPdf	Z 16:31:26.1	123.2	53.7					
	e pPKPdf	Z 16:31:41.7							
CLL	e PKPdf	Z 16:31:26.5	123.4	52.5	1.0	60			
	e	16:31:42.1							
	e PP	Z 16:33:08.2							
	e PKKPbc	Z 16:41:16.2							
	e PS	E 16:43:01.5							
	e PPS	N 16:44:31.8							
	e SS	E 16:50:24.5							
	e SSS	E 16:54:41.8							
	e SSSS	E 16:58:31.5							
	e LR	Z 17:11:50.7							
	e L	Z 17:24:50.3			22.0	5176			
FBE	e PKPdf	Z 16:31:26.8	123.4	53.1					
	e pPKPdf	Z 16:31:42.5							
TANN	e PKPdf	Z 16:31:28.2	124.2	52.4					
WERD	e PKPdf	Z 16:31:28.3	124.2	52.2					
CLZ	e PKPdf	Z 16:31:28.7	124.3	49.5					
	e pPKPdf	Z 16:31:44.3							
WERN	e PKPdf	Z 16:31:28.5	124.3	52.4					

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MOX	e	PKPdf	Z	16:31:28.7	124.5	51.4						
GEC2	e	PKPdf	Z	16:31:28.6	124.5	54.5						
MANZ	e	PKPdf	Z	16:31:29.2	124.6	52.3						
	e	pPKPdf	Z	16:31:44.5								
ROTZ	e	PKPdf	Z	16:31:29.2	124.7	52.5						
WET	e	PKPdf	Z	16:31:29.3	124.7	53.5						
	e	pPKPdf	Z	16:31:44.6								
UBBA	e	PKPdf	Z	16:31:30.0	125.1	49.6						
IBBN	e	PKPdf	Z	16:31:30.2	125.2	46.4						
	e	pPKPdf	Z	16:31:45.5								
GRA1	e	PKPdf	Z	16:31:30.2	125.3	51.5						
	e	L	Z	17:25:18.1			21.7	4848		6.1		
BUG	e	PKPdf	Z	16:31:31.6	126.0	46.3						
FUR	e	PKPdf	Z	16:31:31.9	126.2	52.4						
	e	pPKPdf	Z	16:31:47.2								
TNS	e	PKPdf	Z	16:31:32.3	126.3	48.3						
STU	e	PKPdf	Z	16:31:33.3	126.9	49.9						
BFO	e	PKPdf	Z	16:31:34.3	127.6	49.2						
WLF	e	PKPdf	Z	16:31:35.8	127.7	46.1						

Date 2006/11/13
 Origin Time 16:36:44.5
 Lat 6.300S
 Long 151.100E
 Depth 33.0
 mb
 Ms
 ML
 Source GSRC
 New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 16:55:41.5	125.1	51.5					

Date 2006/11/14
 Origin Time 00:55:52.2
 Lat 15.767N
 Long 120.351E
 Depth 103.5
 mb 5.6
 Ms
 ML
 Source SZGRF
 Luzon, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:08:38.9	89.8	65.4	1.9	74	5.6		
	e pP	Z 01:09:06.8							
	e sP	Z 01:09:16.2							

Date 2006/11/14
 Origin Time
 Lat
 Long
 Depth
 mb
 Ms
 ML
 Source

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 14:38:56.5							
	e PP	Z 14:39:47.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2006/11/14												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GRA1	e PKPdf	Z 14:41:57.0									
2006/11/15	03:53:13.1	13.136N	120.103E	33.0N	4.6			SZGRF				
Mindoro, Philippine Islands												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GRA1	e P	Z 04:06:17.7	91.8	67.2	1.0	3	4.6				
2006/11/15												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GRA1	e P	Z 04:10:34.3									
2006/11/15												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GRA1	e P	Z 04:45:29.4									
2006/11/15	11:14:13.6	46.500N	155.000E	33.0N	7.4	8.2		SZGRF				
East of Kuril Islands, Russia												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	RGN	e P	Z 11:25:46.9	73.9	26.4							
		e L	Z 12:03:23.2			18.7	1304095		8.3			
	BSEG	e P	Z 11:25:55.3	75.2	24.3	3.0	16589	7.6				
		e L	Z 12:02:50.0			21.7	1004477		8.1			
	HLG	e P	Z 11:25:56.6	75.5	22.7							
		e L	Z 12:06:36.1			18.2	890145		8.1			
	RUE	e P	Z 11:25:57.4	75.6	26.4							
		e L	Z 12:03:23.6			19.5	1086978		8.2			
	CLL	i P	+ Z 11:26:04.0	76.9	25.8	1.8	7791					

	e PP	Z	11:29:31.9								
	e PPP	Z	11:31:09.1								
	e S	E	11:36:02.4								
	e PS	N	11:36:32.4								
	e SS	E	11:40:44.3								
	e SSS	Z	11:44:17.9								
	e LR	Z	11:50:58.2								
	e L	Z	12:04:10.9			18.0	1317727		8.3		
BRG	i P	+ Z	11:26:04.8	77.0	26.4	2.1	4231	7.2			
	e L	Z	12:04:20.1			18.4	1126732		8.2		
FBE	e P	Z	11:26:06.1	77.1	26.0						
IBBN	e P	Z	11:26:07.3	77.3	22.4						
	e L	Z	12:06:29.8			18.2	933912		8.2		
TANN	e P	Z	11:26:10.0	77.8	25.4						
WERD	e P	Z	11:26:10.4	77.8	25.3						
MOX	e P	Z	11:26:10.1	77.8	24.8	3.4	17857	7.6			
	e L	Z	12:09:42.5			18.5	1006380		8.2		
GUNZ	e P	Z	11:26:10.7	77.9	25.3						
	e L	Z	12:02:24.6			21.1	885267		8.1		
WERN	e P	Z	11:26:10.9	78.0	25.3						
	e L	Z	12:05:56.0			18.0	941935		8.2		
BUG	e P	Z	11:26:12.2	78.2	22.1	1.5	3129	7.1			
	e L	Z	12:06:58.0			18.1	1297394		8.3		
ROTZ	e P	Z	11:26:14.0	78.5	25.1						
GRA1	e P	Z	11:26:16.0	78.8	24.5	1.1	2856	7.2			
	e S	E	11:36:16.1								
	e SS	E	11:41:20.8								
	e L	Z	12:02:43.4			20.5	870598		8.1		
GRFO	e P	Z	11:26:16.0	78.8	24.5						
WET	e P	Z	11:26:16.1	78.9	25.5	3.5	22887	7.6			
	e L	Z	12:05:35.0			18.1	1093630		8.2		
TNS	e P	Z	11:26:17.2	79.0	22.7	2.0	5420	7.2			
	e L	Z	12:05:10.9			20.7	1179355		8.2		
WLF	e P	Z	11:26:23.1	80.1	21.2						
	e L	Z	12:04:59.5			20.6	949859		8.1		
STU	e P	Z	11:26:23.3	80.2	23.1						
	e L	Z	12:10:08.8			18.3	782508		8.1		
FUR	e P	Z	11:26:23.4	80.2	24.4	1.2	1744	7.0			
	e L	Z	12:03:42.7			21.5	862012		8.1		
BFO	e P	Z	11:26:26.8	80.8	22.5	3.5	23177	7.6			
	e L	Z	12:05:42.6			21.4	621705		7.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 11:25: 1.1 46.187N 156.576E 33.0N 6.2 SZGRF
 East of Kuril Islands, Russia

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

RUE	e P	Z	11:36:46.2	76.3	25.5	1.7	821	6.6
CLL	e P	Z	11:36:53.0	77.6	24.9	1.5	618	6.5
BRG	e P	Z	11:36:54.1	77.7	25.5	1.4	213	6.1
CLZ	e P	Z	11:36:53.6	77.8	23.2	1.2	331	6.3
FBE	e P	Z	11:36:55.1	77.8	25.1	1.8	714	6.5
IBBN	e P	Z	11:36:55.8	77.9	21.5	1.1	167	6.1
MOX	e P	Z	11:36:59.0	78.5	23.9	1.7	590	6.3
WERD	e P	Z	11:36:59.5	78.5	24.4	1.4	344	6.2
GUNZ	e P	Z	11:36:59.7	78.6	24.4	1.6	543	6.3
WERN	e P	Z	11:37:00.0	78.7	24.4	1.4	347	6.2
UBBA	e P	Z	11:37:00.5	78.8	22.9	2.1	655	6.3
BUG	e P	Z	11:37:01.1	78.9	21.1	1.5	347	6.2
MANZ	e P	Z	11:37:01.9	79.0	24.2	1.5	237	6.0
ROTZ	e P	Z	11:37:03.4	79.2	24.2	1.5	408	6.1
GRA1	e P	Z	11:37:04.9	79.5	23.6	1.5	712	6.4
	e		11:37:16.0					
WET	e P	Z	11:37:05.5	79.6	24.6	1.2	317	6.1
GEC2	e P	Z	11:37:05.3	79.6	25.1	1.4	214	5.9
TNS	e P	Z	11:37:06.3	79.7	21.8	1.1	206	6.0
WLF	e P	Z	11:37:11.8	80.8	20.3	2.5	1112	6.4
STU	e P	Z	11:37:12.3	80.9	22.2	1.5	446	6.3
FUR	e P	Z	11:37:12.7	80.9	23.5	1.3	660	6.5
BFO	e P	Z	11:37:15.9	81.5	21.6	1.4	261	6.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	11:28:45.2	46.607N	154.610E	33.0N	6.0			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:40:44.1	78.6	24.7	1.7	249	6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	11:29:30.4	47.335N	156.232E	33.0N	6.4			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 11:40:59.3	73.4	25.2	1.4	792	6.6		
BSEG	e P	Z 11:41:07.1	74.7	23.2	1.2	446	6.4		
HLG	e P	Z 11:41:09.3	75.0	21.6	1.2	586	6.5		
RUE	e P	Z 11:41:09.2	75.2	25.3	1.2	384	6.4		
CLL	e P	Z 11:41:16.0	76.4	24.7	0.9	352	6.5		
BRG	e P	Z 11:41:16.8	76.6	25.2	1.1	150	6.0		
CLZ	e P	Z 11:41:18.2	76.6	23.0	1.0	498	6.6		
FBE	e P	Z 11:41:17.8	76.7	24.9	1.2	318	6.3		
IBBN	e P	Z 11:41:19.1	76.8	21.3	1.3	813	6.7		

TANN	e P	Z	11:41:22.1	77.4	24.2	1.9	619	6.4
MOX	e P	Z	11:41:22.1	77.4	23.7	1.2	418	6.4
WERD	e P	Z	11:41:22.1	77.4	24.1	1.7	623	6.5
GUNZ	e P	Z	11:41:22.5	77.5	24.1	1.1	240	6.2
WERN	e P	Z	11:41:22.9	77.5	24.2	1.1	340	6.4
UBBA	e P	Z	11:41:23.7	77.6	22.7	1.8	700	6.5
BUG	e P	Z	11:41:24.3	77.7	21.0	1.4	709	6.6
MANZ	e P	Z	11:41:24.8	77.9	24.0	1.1	244	6.2
ROTZ	e P	Z	11:41:26.1	78.0	24.0	1.9	815	6.5
GRA1	e P	Z	11:41:28.0	78.4	23.4	1.3	597	6.4
WET	e P	Z	11:41:28.2	78.4	24.4	1.6	592	6.4
GEC2	e P	Z	11:41:27.9	78.5	24.9	2.2	698	6.3
TNS	e P	Z	11:41:29.2	78.6	21.6	1.0	303	6.3
WLF	e P	Z	11:41:33.8	79.6	20.1	1.9	1214	6.5
STU	e P	Z	11:41:35.4	79.7	22.0	1.2	289	6.1
FUR	e P	Z	11:41:35.5	79.8	23.3	2.1	1699	6.6
BFO	e P	Z	11:41:41.1	80.4	21.4	1.2	387	6.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	11:35: 4.3	46.925N	155.643E	33.0N	6.5			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:46:42.1	74.9	23.7	1.6	751	6.5		
CLL	e P	Z 11:46:51.1	76.7	25.2	0.9	643	6.7		
BRG	e P	Z 11:46:52.0	76.8	25.8	1.1	209	6.2		
CLZ	e P	Z 11:46:53.3	76.8	23.6	1.3	834	6.7		
IBBN	e P	Z 11:46:54.0	77.0	21.9	1.2	660	6.6		
TANN	e P	Z 11:46:57.2	77.6	24.8	1.9	538	6.4		
MOX	e P	Z 11:46:57.1	77.6	24.2	2.0	937	6.6		
UBBA	e P	Z 11:46:58.6	77.9	23.2	1.8	779	6.5		
BUG	e P	Z 11:46:59.1	78.0	21.5	1.8	984	6.6		
MANZ	e P	Z 11:46:59.9	78.1	24.5	2.1	677	6.4		
ROTZ	e P	Z 11:47:01.2	78.3	24.6	2.2	1158	6.5		
GRA1	e P	Z 11:47:03.1	78.6	23.9	2.0	1731	6.7		
WET	e P	Z 11:47:03.4	78.7	24.9	2.1	1242	6.6		
GEC2	e P	Z 11:47:03.0	78.7	25.4	2.0	524	6.2		
TNS	e P	Z 11:47:04.1	78.8	22.2	1.8	856	6.5		
WLF	e P	Z 11:47:10.3	79.9	20.6	1.7	783	6.4		
STU	e P	Z 11:47:10.3	80.0	22.5	1.8	1048	6.5		
FUR	e P	Z 11:47:10.5	80.0	23.8	2.0	1837	6.7		
BFO	e P	Z 11:47:13.5	80.6	22.0	1.3	349	6.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	11:41: 2.1	46.974N	154.687E	33.0N	6.5			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:52:38.2	74.7	24.3	1.0	296	6.3		
CLL	e P	Z 11:52:47.2	76.4	25.8	0.8	741	6.9		
BRG	e P	Z 11:52:48.1	76.5	26.4	1.0	192	6.2		
CLZ	e P	Z 11:52:49.4	76.6	24.2	1.0	510	6.6		
IBBN	e P	Z 11:52:50.3	76.8	22.5	1.4	1017	6.8		
TANN	e P	Z 11:52:53.2	77.3	25.4	1.6	278	6.2		
MOX	e P	Z 11:52:53.3	77.3	24.8	1.0	427	6.5		
UBBA	e P	Z 11:52:54.7	77.6	23.8	1.1	284	6.3		
BUG	e P	Z 11:52:55.4	77.7	22.1	1.0	546	6.6		
MANZ	e P	Z 11:52:56.1	77.8	25.1	1.0	378	6.5		
ROTZ	e P	Z 11:52:57.4	78.0	25.1	1.1	388	6.5		
GRA1	e P	Z 11:52:59.3	78.3	24.5	0.9	794	6.8		
WET	e P	Z 11:52:59.5	78.3	25.5	1.2	618	6.5		
GEC2	e P	Z 11:52:59.1	78.4	26.0	1.6	519	6.3		
TNS	e P	Z 11:53:00.4	78.5	22.8	0.9	384	6.4		
WLF	e P	Z 11:53:06.5	79.6	21.2	1.2	514	6.3		
FUR	e P	Z 11:53:06.7	79.7	24.4	1.0	865	6.6		
STU	e P	Z 11:53:06.6	79.7	23.1	1.0	490	6.4		
BFO	e P	Z 11:53:10.0	80.3	22.6	1.0	632	6.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	12:09:23.7	47.481N	155.353E	33.0N	5.5			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:21:19.3	78.0	23.9	0.9	34	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	12:16: 9.8	46.974N	155.210E	33.0N	6.0			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:28:07.7	78.4	24.2	1.3	218	6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	12:16:52.0	46.538N	153.972E	33.0N	6.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:28:50.3	78.5	25.1	1.4	275	6.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	12:26:22.6	47.843N	153.986E	33.0G	5.9			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:38:14.3	77.3	24.6	1.4	143	5.9		
	e pP	Z 12:38:25.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	12:28:29.8	47.212N	153.879E	33.0N	5.8			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:40:24.6	77.9	24.9	1.0	75	5.8		
	e	12:40:30.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:07:23.0	48.588N	155.577E	33.0N	5.4			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA3	e	13:19:23.6	77.0	23.4					
GRA1	e P	Z 13:19:13.2	77.0	23.3	1.4	42	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:09:52.3	47.400N	154.969E	33.0N	5.1			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:21:47.7	78.0	24.2	1.4	20	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:17:32.2	47.243N	152.957E	33.0N	5.2			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:29:25.4	77.6	25.5	1.0	21	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:35:49.5	46.642N	153.889E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:47:47.1	78.4	25.2	0.8	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:38:27.3	47.484N	155.512E	11.1	5.5			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 13:50:04.8	74.4	23.6	1.3	53	5.4		
NRDL	e P	Z 13:50:12.5	75.8	23.3	1.3	33	5.3		
CLL	e P	Z 13:50:14.2	76.1	25.1	0.9	68	5.8		
BRG	e P	Z 13:50:15.1	76.2	25.6	1.2	34	5.4		
CLZ	e P	Z 13:50:16.2	76.3	23.4	1.2	65	5.7		
IBBN	e P	Z 13:50:17.0	76.5	21.8	1.1	48	5.5		
TANN	e P	Z 13:50:20.2	77.1	24.6	1.2	26	5.3		
MOX	e P	Z 13:50:20.2	77.1	24.1	1.1	32	5.4		
UBBA	e P	Z 13:50:21.6	77.3	23.1	2.0	86	5.5		
BUG	e P	Z 13:50:22.2	77.4	21.4	1.2	51	5.5		
MANZ	e P	Z 13:50:23.0	77.5	24.4	1.3	29	5.3		
ROTZ	e P	Z 13:50:24.3	77.7	24.4	1.2	41	5.4		
GRA1	e P	Z 13:50:26.2	78.0	23.8	1.4	100	5.8		
	e pP	Z 13:50:29.4			1.3	71			
WET	e P	Z 13:50:26.4	78.1	24.8	1.2	47	5.5		
GEC2	e P	Z 13:50:26.1	78.1	25.3	1.3	26	5.2		
TNS	e P	Z 13:50:27.2	78.3	22.0	1.5	86	5.6		
WLF	e P	Z 13:50:33.6	79.3	20.5	1.5	63	5.3		
STU	e P	Z 13:50:33.5	79.4	22.4	0.9	35	5.3		
FUR	e P	Z 13:50:33.7	79.4	23.7	1.3	112	5.6		
BFO	e P	Z 13:50:36.9	80.0	21.8	1.2	49	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:46:58.4	48.325N	154.148E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:58:47.9	76.9	24.3	0.9	13	5.0		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	13:58:23.5	46.938N	154.364E	33.0N	5.2			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:10:20.4	78.2	24.7	0.8	20	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	14:20:57.4	47.348N	154.777E	33.0N	5.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:32:52.8	78.0	24.3	0.9	71	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	15:10:42.1	46.665N	154.426E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:22:40.4	78.5	24.8	1.3	16	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	15:11:58.4	45.435N	153.654E	33.0N	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:24:01.7	79.4	25.8	1.3	33	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	15:19:42.0	46.393N	153.044E	33.0N	5.5			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:31:39.6	78.4	25.8	1.5	75	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	15:31:25.4	46.953N	153.664E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:43:21.2	78.0	25.2	0.9	10	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	16:04:21.1	48.290N	155.996E	24.7	5.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 16:15:54.4	73.7	23.0	0.9	66	5.6		
NRDL	e P	Z 16:16:01.9	75.1	22.7	1.1	57	5.5		
CLL	e P	Z 16:16:03.7	75.5	24.4	0.9	139	6.1		
BRG	e P	Z 16:16:04.7	75.6	25.0	1.1	60	5.6		
CLZ	e P	Z 16:16:05.7	75.7	22.8	1.1	141	6.0		
TANN	e P	Z 16:16:09.8	76.4	24.0	1.5	64	5.5		
MOX	e P	Z 16:16:09.8	76.5	23.5	1.1	76	5.7		
UBBA	e P	Z 16:16:11.1	76.7	22.5	1.5	77	5.6		
BUG	e P	Z 16:16:11.5	76.7	20.8	1.2	75	5.7		
MANZ	e P	Z 16:16:12.6	76.9	23.7	1.1	54	5.6		
ROTZ	e P	Z 16:16:13.9	77.1	23.8	1.2	106	5.8		
GRA1	e P	Z 16:16:15.8	77.4	23.2	1.0	153	6.1		
	e pP	Z 16:16:22.9							
WET	e P	Z 16:16:16.1	77.5	24.1	1.0	106	5.9		
GEC2	e P	Z 16:16:15.8	77.5	24.6	0.9	44	5.6		
TNS	e P	Z 16:16:16.6	77.6	21.4	0.9	55	5.7		
STU	e P	Z 16:16:22.9	78.8	21.8	1.4	81	5.6		
FUR	e P	Z 16:16:23.3	78.8	23.1	1.6	217	5.9		
BFO	e P	Z 16:16:26.3	79.4	21.2	1.3	63	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	16:40:50.9	47.202N	154.520E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:52:46.7	78.0	24.5	1.0	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	17:14:12.1	47.965N	153.906E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:26:03.0	77.2	24.6	1.2	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	17:25:37.9	47.539N	155.153E	14.6	5.5			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:37:32.9	77.9	24.0	1.6	66	5.5		
	e pP	Z 17:37:37.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	17:30:13.7	47.559N	154.086E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:42:07.0	77.6	24.7	1.0	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 18:11:07.5							
	e Sn	N 18:12:13.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	18:38:49.1	47.624N	155.233E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:50:43.8	77.8	23.9	0.9	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPdf	Z 18:57:38.4							
CLL	e PKPdf	Z 18:57:38.5							
CLZ	e PKPdf	Z 18:57:40.4							
FBE	e PKPdf	Z 18:57:38.8							
GEC2	e PKPdf	Z 18:57:40.8							
GRA1	e PKPdf	Z 18:57:42.0							
WET	e PKPdf	Z 18:57:41.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	18:47: 7.7	47.122N	155.119E	33.0N	5.2			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:59:04.8	78.3	24.2	1.2	26	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	19:19:15.2	47.325N	152.745E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:31:07.6	77.4	25.6	0.8	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	19:20: 8.9	46.832N	154.009E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:32:05.8	78.2	25.0	1.1	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	19:25:35.7	47.973N	154.956E	17.3	5.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 19:37:16.5	75.9	25.3	1.0	170	6.1		
	e S	E 19:47:14.1							
	e L	Z 20:20:17.9			18.0	3378		5.7	
GRA1	e P	Z 19:37:28.2	77.5	23.9	1.0	100	5.9		
	e pP	Z 19:37:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	19:28:18.6	48.211N	154.085E	33.0N	5.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:40:08.5	77.0	24.4	1.2	94	5.8		

WLF	e P	Z	20:36:41.0	68.1	260.3	0.8	16	5.3
	e pP	Z	20:37:05.9					
BUG	e P	Z	20:36:47.5	69.1	260.5	1.6	64	5.6
BFO	e P	Z	20:36:48.5	69.3	262.5			
IBBN	e P	Z	20:36:50.0	69.6	260.6	1.1	62	5.6
	e pP	Z	20:37:14.8					
TNS	e P	Z	20:36:50.8	69.7	261.9	0.8	32	5.5
STU	e P	Z	20:36:52.3	70.0	263.0	0.8	35	5.5
UBBA	e P	Z	20:36:57.5	70.7	262.9	1.9	46	5.3
NRDL	e P	Z	20:36:58.5	71.0	262.5	0.9	22	5.3
	e pP	Z	20:37:23.5					
CLZ	e P	Z	20:36:59.1	71.1	262.9	1.1	19	5.1
FUR	e P	Z	20:36:59.9	71.3	264.9	1.1	15	5.0
BSEG	e P	Z	20:37:00.3	71.3	262.1	0.9	21	5.3
	e pP	Z	20:37:25.5					
GRA1	e P	Z	20:37:01.2	71.4	264.3	1.6	29	5.2
MOX	e P	Z	20:37:03.0	71.7	264.3	0.7	4	4.6
MANZ	e P	Z	20:37:05.0	72.0	264.9	1.1	14	5.0
ROTZ	e P	Z	20:37:04.8	72.0	265.0	1.2	6	4.6
WERD	e P	Z	20:37:05.3	72.1	264.9	0.9	9	4.9
GUNZ	e P	Z	20:37:05.6	72.2	264.9	0.7	6	4.8
WERN	e P	Z	20:37:06.2	72.2	265.0	1.1	12	4.9
	e pP	Z	20:37:30.9					
TANN	e P	Z	20:37:05.9	72.2	265.0	1.0	10	4.9
WET	e P	Z	20:37:07.1	72.4	265.8	1.0	10	4.9
CLL	e P	Z	20:37:08.5	72.7	265.2	1.0	14	5.1
FBE	e P	Z	20:37:10.0	72.8	265.6	1.4	27	5.2
GEC2	e P	Z	20:37:10.3	72.9	266.5	0.9	18	5.2
	e pP	Z	20:37:34.8					
BRG	e P	Z	20:37:12.1	73.2	266.1	1.0	15	5.1
RUE	e P	Z	20:37:12.1	73.2	265.4	0.8	34	5.5

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 20:56:59.3 47.638N 154.278E 11.3 5.1
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:08:52.4	77.6	24.5	1.0	16	5.1		
	e pP	Z 21:08:55.7			1.0	16			

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 20:58:36.0 47.686N 153.455E 33.0N 4.9
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 21:10:27.7 77.3 25.0 1.0 10 4.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/15 21:02:15.8 48.087N 153.826E 33.0N 5.6
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 21:14:06.0 77.0 24.6 0.8 42 5.6

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/15 21:17:14.6 47.225N 155.431E 11.8 5.6
East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 21:29:11.6 78.3 23.9 1.1 68 5.6
e pP Z 21:29:15.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/15 21:22:25.6 47.501N 155.310E 33.0N 6.4 6.1
East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG e P Z 21:34:00.0 74.3 23.7 1.2 393 6.3
NRDL e P Z 21:34:07.4 75.7 23.4 1.2 299 6.3
CLL e P Z 21:34:09.1 76.0 25.2 1.1 926 6.8
BRG e P Z 21:34:09.9 76.2 25.7 1.3 457 6.4
CLZ e P Z 21:34:11.2 76.2 23.6 1.4 843 6.7
IBBN e P Z 21:34:12.0 76.4 21.9 1.1 451 6.5
TANN e P Z 21:34:15.0 77.0 24.8 1.6 377 6.3
MOX e P Z 21:34:15.0 77.0 24.2 1.2 430 6.4
UBBA e P Z 21:34:16.5 77.3 23.2 1.0 186 6.2
BUG e P Z 21:34:17.1 77.3 21.5 1.1 389 6.4
MANZ e P Z 21:34:17.8 77.5 24.5 1.1 310 6.3
ROTZ e P Z 21:34:19.1 77.6 24.5 1.0 414 6.5
GRA1 e P Z 21:34:21.0 78.0 23.9 1.0 683 6.7
e S R 21:44:15.2
e L Z 22:11:36.8 20.4 9013 6.1
WET e P Z 21:34:21.2 78.0 24.9 1.2 551 6.6
GEC2 e P Z 21:34:20.9 78.1 25.4 0.9 162 6.2
TNS e P Z 21:34:22.0 78.2 22.2 0.9 316 6.3
WLF e P Z 21:34:28.8 79.2 20.6 1.9 492 6.1
STU e P Z 21:34:28.3 79.3 22.5 1.1 349 6.2
FUR e P Z 21:34:28.4 79.4 23.8 1.0 535 6.4

BFO e P Z 21:34:31.6 80.0 22.0 1.1 305 6.2

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 21:25:26.9 46.905N 153.176E 29.6 5.7
 Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 21:37:22.1 77.9 25.5 1.2 70 5.7
 e pP Z 21:37:30.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 21:31:29.0 47.463N 154.591E 33.0N 6.0
 Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 21:43:23.6 77.8 24.4 1.0 123 6.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 21:35:17.2 48.199N 154.709E 33.0N 5.7
 Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 21:47:08.2 77.2 24.0 1.2 74 5.7

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15 21:40: 9.8 45.988N 153.150E 33.0N 5.1
 East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 21:52:09.7 78.8 25.9 1.1 22 5.1

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/15

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 22:19:04.2 1.0 49

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	22:10:45.8	47.320N	154.329E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:22:40.7	77.9	24.6	1.0	14	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	22:40:53.4	47.787N	152.965E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:52:43.8	77.1	25.3	1.1	13	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	22:45:20.6	47.309N	154.645E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:57:16.0	78.0	24.4	1.2	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	22:50:42.7	46.966N	152.719E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:02:36.9	77.8	25.8	1.0	17	5.1		
	e	23:02:49.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/15	23:03:49.8	47.850N	153.028E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:15:40.0	77.0	25.2	1.4	14	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	00:23: 2.2	47.677N	154.411E	33.0G	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:34:55.4	77.6	24.4	1.3	45	5.4		
	e	00:35:08.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	00:32:54.5	46.708N	155.223E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:44:53.8	78.7	24.3	1.0	14	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	00:38:15.3	47.533N	155.432E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:50:10.7	78.0	23.8	0.9	6	4.8		
	e	00:50:21.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	01:10:26.4	47.179N	154.800E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:22:22.7	78.1	24.4	1.0	13	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	01:18:38.0	47.926N	153.773E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:30:28.9	77.2	24.7	1.2	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	01:28:44.5	46.961N	152.515E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	01:40:38.4	77.7	25.9	1.2	15	5.0
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	01:37:19.6	48.076N	154.788E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:49:11.3	77.3	24.0	1.5	18	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	01:58:12.0	47.547N	154.966E	15.5	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:10:06.7	77.8	24.1	1.1	34	5.4		
	e pP	Z 02:10:11.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	03:30:44.8	47.119N	153.511E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:42:39.5	77.8	25.2	0.8	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	03:31:46.7	46.673N	154.335E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:43:44.8	78.5	24.9	0.9	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	04:35:59.8	47.498N	155.731E	33.0N	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:47:55.8	78.1	23.6	1.1	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	04:42:39.6	48.388N	155.652E	42.2	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:54:30.9	77.2	23.3	1.1	34	5.4		
	e pP	Z 04:54:43.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	05:34:47.0	47.181N	154.818E	15.7	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:46:43.3	78.1	24.3	1.3	30	5.3		
	e pP	Z 05:46:47.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	05:43:14.9	44.587N	154.024E	38.3	5.0			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:55:22.2	80.3	25.9	1.2	20	5.0		
	e pP	Z 05:55:33.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	06:20:27.3	47.431N	154.720E	9.7	6.1	5.6		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 06:32:04.7	74.2	24.2	1.1	131	5.9		
NRDL	e P	Z 06:32:11.9	75.6	23.9	0.9	104	5.9		
CLL	e P	Z 06:32:13.5	75.9	25.6	0.8	272	6.4		
	e (PcP)	Z 06:32:28.2							
	e PP	Z 06:35:03.9							
	e S	E 06:42:06.0							
	e SKSac	Z 06:42:31.9							
	e (SS)	E 06:47:17.3							
	e LR	Z 06:57:17.3							
	e L	Z 07:06:39.6			22.0	5902		5.9	
BRG	e P	Z 06:32:14.4	76.1	26.1	1.1	108	5.9		
CLZ	e P	Z 06:32:15.7	76.1	24.0	1.1	252	6.3		
IBBN	e P	Z 06:32:16.7	76.3	22.3	1.2	274	6.3		

TANN	e P	Z	06:32:19.6	76.9	25.2	1.0	63	5.7		
MOX	e P	Z	06:32:19.6	76.9	24.6	1.0	159	6.1		
BUG	e P	Z	06:32:21.8	77.3	21.9	1.0	217	6.2		
MANZ	e P	Z	06:32:22.4	77.4	24.9	1.0	105	5.9		
ROTZ	e P	Z	06:32:23.6	77.6	24.9	1.0	127	6.0		
GRA1	e P	Z	06:32:25.6	77.9	24.3	0.9	303	6.4		
	e pP	Z	06:32:28.2							
	e		06:32:31.8							
	e PP	Z	06:35:24.5							
	e S	R	06:42:27.2							
	e SS	R	06:48:02.9							
	e L	Z	07:07:13.0			21.9	2859		5.6	
WET	e P	Z	06:32:25.7	77.9	25.3	1.0	158	6.1		
GEC2	e P	Z	06:32:25.4	78.0	25.8	1.1	87	5.8		
TNS	e P	Z	06:32:26.7	78.1	22.6	0.9	182	6.2		
WLF	e P	Z	06:32:32.9	79.2	21.0	1.1	200	6.0		
STU	e P	Z	06:32:32.8	79.3	22.9	0.9	174	6.0		
FUR	e P	Z	06:32:33.0	79.3	24.2	1.0	241	6.1		
BFO	e P	Z	06:32:36.3	79.9	22.4	0.9	193	6.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 06:32:16.9 46.901N 154.807E 33.0N 5.2
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:44:14.6	78.4	24.5	1.3	35	5.2		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 06:57:16.1 46.865N 154.612E 33.0N 5.0
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:09:13.7	78.4	24.6	1.5	21	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 07:14:53.8 48.842N 153.966E 33.0N 5.2
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:26:40.3	76.4	24.2	1.4	26	5.2		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	07:16:52.3	46.674N	153.485E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:28:49.2	78.2	25.4	1.0	15	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	08:24: 8.4	46.730N	154.855E	33.0N	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:36:07.1	78.6	24.5	0.8	17	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	08:37:42.4	46.257N	154.805E	33.0N	5.3			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:49:43.4	79.0	24.7	1.5	46	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	09:14:39.2	47.682N	153.933E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:26:31.7	77.4	24.7	1.2	16	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	09:36:34.7	22.320N	61.850E	33.0N	5.2	4.4		SZGRF

Owen Fracture Zone region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 09:44:57.2	46.2	107.3	1.1	34	5.3		
BRG	e P	Z 09:45:00.7	46.7	109.4	0.9	16	5.2		
WET	e P	Z 09:45:01.8	46.8	106.8	1.0	14	5.0		
FBE	e P	Z 09:45:04.2	47.1	108.8	1.3	22	5.1		
RUE	e P	Z 09:45:06.1	47.3	110.6	0.5	27	5.6		
CLL	e P	Z 09:45:06.5	47.4	108.8	1.1	114	5.9		
ROTZ	e P	Z 09:45:06.6	47.4	106.7	0.8	46	5.6		
TANN	e P	Z 09:45:07.0	47.4	107.5	1.0	6	4.7		

Station	Type	Time	Lat	Long	Depth	mb	Ms	ML	Source
WERN	e P	Z 09:45:07.5			47.5	107.4	1.0	7	4.7
GUNZ	e P	Z 09:45:07.9			47.5	107.4	1.1	8	4.8
MANZ	e P	Z 09:45:08.2			47.5	106.8	0.9	8	4.8
WERD	e P	Z 09:45:07.9			47.5	107.4	1.1	11	4.9
GRA1	e P	Z 09:45:11.1			48.0	105.8	1.1	81	5.7
	e L	Z 10:09:24.6					22.0	417	4.4
MOX	e P	Z 09:45:11.8			48.0	106.9	0.9	21	5.3
STU	e P	Z 09:45:19.0			49.0	103.1	0.8	26	5.3
UBBA	e P	Z 09:45:19.5			49.0	105.6	1.5	28	5.1
CLZ	e P	Z 09:45:19.9			49.1	106.8	0.9	51	5.5
NRDL	e P	Z 09:45:22.1			49.5	107.1	1.0	45	5.4
BFO	e P	Z 09:45:22.3			49.5	102.0	1.2	12	4.7
BSEG	e P	Z 09:45:24.8			49.8	108.4	1.3	64	5.4
TNS	e P	Z 09:45:26.1			49.9	103.7	0.9	33	5.3
BUG	e P	Z 09:45:33.3			50.9	103.6	1.4	66	5.4
WLF	e P	Z 09:45:36.2			51.2	101.2	0.7	28	5.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 10:36:19.6 47.921N 154.253E 33.0N 5.1
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:48:11.3	77.3	24.4	1.2	20	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 11:20:44.6 56.080S 138.900E 33.0N 5.4
 West of Macquarie Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e PKPbc	Z 11:40:21.0	146.8	123.7					
WET	e PKPbc	Z 11:40:24.3	147.4	123.1					
BRG	e PKPbc	Z 11:40:24.7	147.7	121.1					
FBE	e PKPbc	Z 11:40:26.1	148.1	120.9					
ROTZ	e PKPbc	Z 11:40:26.4	148.1	122.2					
MANZ	e PKPbc	Z 11:40:27.0	148.3	121.8					
TANN	e PKPbc	Z 11:40:26.0	148.3	121.3					
WERD	e PKPbc	Z 11:40:27.1	148.4	121.3					
CLL	e PKPbc	Z 11:40:27.1	148.5	120.2					
GRA1	e PKPbc	Z 11:40:28.2	148.6	122.1					
	e L	Z 12:50:22.6			22.0	732		5.4	
RUE	e PKPbc	Z 11:40:26.8	148.6	118.8					
MOX	e PKPbc	Z 11:40:27.9	148.9	120.8					
BFO	e PKPbc	Z 11:40:29.9	149.4	123.5					
UBBA	e PKPbc	Z 11:40:30.6	149.8	120.2					
CLZ	e PKPbc	Z 11:40:31.2	150.1	118.7					

TNS	e	PKPbc	Z	11:40:31.2	150.4	120.8
BSEG	e	PKPbc	Z	11:40:34.4	151.1	115.4
BUG	e	PKPbc	Z	11:40:34.9	151.6	118.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	12:35:57.7	47.386N	155.271E	33.0N	5.0			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:47:53.6	78.1	24.0	1.0	12	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	12:40:39.8	15.985S	174.288W	240.3				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e PKPbc	Z 12:59:47.1	145.0	9.9					
WERD	e PKPbc	Z 12:59:46.8	145.1	11.1					
TANN	e PKPbc	Z 12:59:47.5	145.1	11.4					
WERN	e PKPbc	Z 12:59:48.1	145.3	11.3					
MANZ	e PKPbc	Z 12:59:48.8	145.6	10.9					
TNS	e PKPbc	Z 12:59:49.1	145.7	4.7					
ROTZ	e PKPbc	Z 12:59:49.9	145.8	11.2					
	e pPKPbc	Z 13:00:50.1							
GRA1	e PKPbc	Z 12:59:50.4	146.0	9.5					
	e pPKPbc	Z 13:00:51.0							
WLF	e PKPbc	Z 12:59:51.9	146.3	0.8					
	e pPKPbc	Z 13:00:52.4							
WET	e PKPbc	Z 12:59:51.4	146.3	12.5					
GEC2	e PKPbc	Z 12:59:51.6	146.5	14.0					
	e pPKPbc	Z 13:00:51.7							
STU	e PKPbc	Z 12:59:53.9	147.1	6.2					
FUR	e PKPbc	Z 12:59:55.4	147.5	10.0					
BFO	e PKPbc	Z 12:59:55.0	147.6	4.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	14:49:48.8	47.721N	154.066E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:01:41.2	77.4	24.6	0.9	11	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	15:05:43.7	47.529N	155.205E	33.0N	5.0			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:17:38.8	77.9	24.0	1.9	23	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	15:23:14.9	47.393N	154.434E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:35:09.6	77.8	24.5	1.0	15	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	16:37:56.3	47.442N	153.615E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:49:49.5	77.6	25.0	1.4	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	16:42:27.0	47.715N	154.544E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:54:20.1	77.6	24.3	1.4	23	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	16:57:36.6	48.219N	155.809E	33.0N	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:09:29.0	77.4	23.3	1.0	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	17:46:16.2	47.444N	155.491E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:58:12.1	78.1	23.8	1.0	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	19:29:57.9	48.700N	155.985E	20.8	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:41:48.1	77.0	23.0	0.8	23	5.3		
	e pP	Z 19:41:54.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	20:16:1.3	47.450N	154.650E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:27:56.0	77.9	24.3	0.9	11	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	20:29:56.1	54.050S	139.330E	33.0N		6.2		SZGRF

West of Macquarie Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e PKPbc	Z 20:49:33.4	146.6	120.0					
	e SS	T 21:11:51.9							
WET	e PKPbc	Z 20:49:35.2	147.2	119.4					
	e SS	T 21:11:59.4							
BRG	e PKPbc	Z 20:49:35.8	147.4	117.3					
	e SS	T 21:12:03.4							
FUR	e PKPbc	Z 20:49:36.8	147.6	120.3					
	e SS	T 21:12:02.6							
FBE	e PKPbc	Z 20:49:37.5	147.8	117.0					
ROTZ	e PKPbc	Z 20:49:37.3	147.9	118.3					
	e SS	T 21:12:08.9							
WERN	e PKPbc	Z 20:49:38.0	148.0	117.6					
TANN	e PKPbc	Z 20:49:37.6	148.0	117.5					
	e SS	T 21:12:12.1							
MANZ	e PKPbc	Z 20:49:37.9	148.0	118.0					
GUNZ	e PKPbc	Z 20:49:38.0	148.1	117.5					
CLL	e PKPbc	Z 20:49:37.4	148.1	116.4					
	e SS	T 21:12:08.9							
WERD	e PKPbc	Z 20:49:37.8	148.1	117.4					

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RUE	e PKPbc	Z	20:49:37.4	148.2	115.0				
	e SS	T	21:12:10.5						
GRA1	e PKPbc	Z	20:49:38.9	148.4	118.2				
	e SS	T	21:12:12.1						
	e L	Z	21:59:48.1			22.0	4400		6.2
GRFO	e SS	T	21:12:15.2	148.4	118.2				
MOX	e PKPbc	Z	20:49:39.3	148.6	116.9				
	e SS	T	21:12:17.6						
STU	e PKPbc	Z	20:49:40.4	149.1	119.0				
	e SS	T	21:12:24.7						
RGN	e SS	T	21:12:23.9	149.3	111.6				
BFO	e PKPbc	Z	20:49:41.3	149.4	119.5				
	e SS	T	21:12:24.7						
UBBA	e PKPbc	Z	20:49:41.5	149.6	116.2				
	e SS	T	21:12:29.4						
CLZ	e PKPbc	Z	20:49:42.2	149.8	114.7				
	e SS	T	21:12:31.8						
TNS	e PKPbc	Z	20:49:43.2	150.2	116.6				
	e SS	T	21:12:35.7						
NRDL	e PKPbc	Z	20:49:42.6	150.3	113.6				
	e SS	T	21:12:35.7						
BSEG	e PKPbc	Z	20:49:44.0	150.7	111.3				
	e SS	T	21:12:37.3						
WLF	e PKPbc	Z	20:49:46.3	151.3	117.0				
	e SS	T	21:12:47.5						
BUG	e PKPbc	Z	20:49:46.0	151.4	114.3				
	e SS	T	21:12:50.7						
IBBN	e PKPbc	Z	20:49:46.2	151.5	113.0				
	e SS	T	21:12:50.7						
HLG	e SS	T	21:12:52.3	152.1	109.8				

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 21:07:35.4 54.408S 141.096E 33.0N
 West of Macquarie Island SZGRF

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e PKPbc	Z	21:27:17.8	148.3	119.6					
MANZ	e PKPbc	Z	21:27:20.1	149.1	118.2					
GRA1	e PKPbc	Z	21:27:21.1	149.5	118.4					
GRFO	e PKPbc	Z	21:27:21.1	149.5	118.4					
BFO	e PKPbc	Z	21:27:23.8	150.5	119.9					
CLZ	e PKPbc	Z	21:27:24.9	150.9	114.8					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/16 21:24:59.1 46.420N 154.579E 33.0N 4.8
 SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:36:59.0	78.8	24.8	1.2	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/16	23:16:50.5	30.072N	138.810E	33.0N	4.9			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:29:36.1	87.7	43.3	1.1	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	00:40:32.7	51.554N	150.669E	33.0N	5.0			SZGRF

Sea of Okhotsk

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 00:51:47.7	71.1	26.3					
CLZ	e P	Z 00:51:49.8	71.3	24.8					
MOX	e P	Z 00:51:53.9	72.1	25.4					
MANZ	e P	Z 00:51:56.7	72.5	25.6					
GRA1	e P	Z 00:51:59.8	73.0	25.0	0.8	11	5.0		
WET	e P	Z 00:52:00.0	73.1	25.9					
GEC2	e P	Z 00:51:59.9	73.1	26.3					
TNS	e P	Z 00:52:01.0	73.3	23.4					
STU	e P	Z 00:52:09.0	74.4	23.7					
BFO	e P	Z 00:52:10.7	75.1	23.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	02:02:1.7	22.085S	177.262W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 02:21:45.6	149.1	13.4					
IBBN	e PKPbc	Z 02:21:47.4	149.5	9.2					
CLZ	e PKPbc	Z 02:21:48.0	149.7	14.1					
CLL	e PKPdf	Z 02:21:43.9	149.7	19.1					
	i PKPbc	Z 02:21:47.6			0.8	57			
	i PKPab	Z 02:21:52.9							
	e pPKPbc	Z 02:24:06.7							
BRG	e PKPab	Z 02:21:53.4	149.9	21.0					
BUG	e PKPbc	Z 02:21:49.6	150.4	8.5					
MOX	e PKPbc	Z 02:21:49.9	150.6	16.9					

TANN	e PKPbc	Z	02:21:50.3	150.7	18.6
	e PKPab	Z	02:21:56.8		
UBBA	e PKPbc	Z	02:21:50.1	150.7	13.9
MANZ	e PKPbc	Z	02:21:51.5	151.1	18.2
ROTZ	e PKPbc	Z	02:21:51.9	151.3	18.5
TNS	e PKPbc	Z	02:21:52.5	151.5	11.1
	e PKPab	Z	02:22:00.8		
GRA1	e PKPbc	Z	02:21:52.6	151.6	16.7
	e PKPab	Z	02:22:01.4		
GEC2	e PKPbc	Z	02:21:52.8	151.9	21.9
WLF	e PKPbc	Z	02:21:54.8	152.3	6.8
STU	e PKPbc	Z	02:21:55.2	152.8	13.2
FUR	e PKPbc	Z	02:21:55.3	153.0	17.7
	e PKPab	Z	02:22:07.2		
BFO	e PKPbc	Z	02:21:56.3	153.4	11.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/17 02:25: 7.5 49.238N 156.933E 33.0N 5.0 SZGRF
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:36:56.2	76.8	22.2	1.4	18	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/17 03:04:22.8 48.244N 154.361E 33.0N 4.8 SZGRF
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:16:13.0	77.0	24.2	0.8	6	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/17 04:10: 5.3 48.598N 156.342E 33.0N 5.8 5.3 SZGRF
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 04:21:37.6	74.0	24.7					
NRDL	e P	Z 04:21:42.4	74.9	22.4					
CLL	e P	Z 04:21:46.0	75.3	24.1	1.0	96	5.9		
	e PP	Z 04:24:39.7							
	e S	E 04:31:38.6							
	e LR	Z 04:47:00.3							
	e L	Z 04:58:23.3			20.0	1726		5.4	
CLZ	e P	Z 04:21:46.6	75.5	22.5					

FBE	e P	Z	04:21:46.2	75.6	24.3						
IBBN	e P	Z	04:21:47.3	75.6	20.8						
GTTG	e P	Z	04:21:48.6	75.8	22.2						
TANN	e P	Z	04:21:50.6	76.3	23.7						
MOX	e P	Z	04:21:50.5	76.3	23.2						
WERD	e P	Z	04:21:50.6	76.3	23.6						
GUNZ	e P	Z	04:21:51.1	76.3	23.6						
WERN	e P	Z	04:21:51.5	76.4	23.6						
UBBA	e P	Z	04:21:52.0	76.5	22.1						
BUG	e P	Z	04:21:52.5	76.5	20.5						
MANZ	e P	Z	04:21:53.3	76.7	23.4						
ROTZ	e P	Z	04:21:54.6	76.9	23.4						
GRA1	e P	Z	04:21:56.5	77.2	22.8	0.9	67	5.8			
	e L	Z	05:00:02.6			21.8	1427		5.3		
GRFO	e P	Z	04:21:56.5	77.2	22.8						
WET	e P	Z	04:21:56.8	77.3	23.8						
GEC2	e P	Z	04:21:56.5	77.4	24.3						
TNS	e P	Z	04:21:57.5	77.4	21.1						
WLF	e P	Z	04:22:04.4	78.4	19.6						
STU	e P	Z	04:22:03.8	78.6	21.5						
FUR	e P	Z	04:22:04.0	78.6	22.7						

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/17 05:16:39.6 45.396N 153.525E 33.0N 4.7
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:28:43.0	79.4	25.9	1.3	14	4.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/17 06:34: 1.2 47.999N 154.520E 33.0N 5.9
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z 06:45:38.7	75.0	23.8					
CLL	e P	Z 06:45:40.9	75.4	25.5					
CLZ	e P	Z 06:45:43.0	75.6	23.9					
IBBN	e P	Z 06:45:43.7	75.8	22.2					
MOX	e P	Z 06:45:46.9	76.3	24.5					
UBBA	e P	Z 06:45:48.3	76.6	23.5					
BUG	e P	Z 06:45:48.8	76.7	21.8					
MANZ	e P	Z 06:45:49.7	76.8	24.8					
ROTZ	e P	Z 06:45:51.0	77.0	24.8					
GRA1	e P	Z 06:45:52.9	77.3	24.2	0.7	64	5.9		
WET	e P	Z 06:45:53.1	77.4	25.2					

GEC2	e P	Z	06:45:52.9	77.4	25.7
TNS	e P	Z	06:45:53.9	77.5	22.5
WLF	e P	Z	06:46:07.1	78.6	21.0
FUR	e P	Z	06:46:00.4	78.7	24.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	06:33:57.9	47.737N	155.635E	33.0N	5.9	5.4		SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:45:52.6	77.8	23.6	0.7	64	5.9		
	e S	N 06:55:52.6							
	e L	Z 07:23:58.7			21.6	1930		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	08:32:57.1	49.415N	156.015E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:44:43.6	76.4	22.7	1.1	56	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	09:09:39.5	45.786N	152.971E	33.0N	5.0			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:21:40.1	78.9	26.1	1.3	21	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	09:58:23.2	48.229N	155.326E	33.0N	5.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:10:14.9	77.3	23.6	1.1	117	5.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	10:58:25.0	48.624N	157.308E	33.0N	5.3			SZGRF

East of Kuril Islands, Russia

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:10:17.5	77.4	22.2	1.4	35	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	12:31:48.8	33.984N	134.604E	375.7	5.6			SZGRF

Shikoku, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:43:30.2	82.5	44.3	0.9	35	5.6		
	e pP	Z 12:44:56.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	13:40:26.5	48.485N	152.757E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:52:13.0	76.4	25.1	0.9	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	13:46:31.3	46.670N	153.956E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:58:28.9	78.4	25.1	0.7	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	13:48:23.6	46.987N	154.535E	33.0N	5.2			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:00:20.4	78.2	24.6	0.9	22	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	17:29:15.7	48.641N	152.327E	33.0N	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:41:00.8	76.1	25.3	0.6	21	5.4		

GRA1	e P	Z	19:27:25.0	76.9	24.6	0.8	9	5.0
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	19:44:32.9	30.799N	132.024E	33.0N	5.6			SZGRF

Southeast of Shikoku, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:57:00.0	83.9	47.9	1.6	61	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	20:35:0.4	47.677N	154.411E	33.0N	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:46:53.6	77.6	24.4	0.8	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	22:08:21.6	50.703N	158.796E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:20:05.1	75.9	20.5	0.8	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	22:23:41.4	46.833N	151.183E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:35:33.8	77.4	26.8	0.8	16	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/17	23:42:49.1	11.078S	15.498W	19.1	4.8			SZGRF

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:53:29.1	65.1	209.1	0.8	5	4.8		
	e pP	Z 23:53:34.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	00:17:12.0	46.596N	152.286E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:29:07.4	78.0	26.2	0.9	15	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	00:21:49.3	48.252N	157.530E	33.0N	5.6			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:33:43.9	77.8	22.2	1.4	65	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	00:57:17.6	48.942N	155.833E	33.0N	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:09:06.3	76.8	23.0	1.1	34	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	00:59:50.7	48.838N	158.134E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:11:43.2	77.4	21.6	0.9	7	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	01:22:28.4	19.725S	172.824W	33.0N				SZGRF

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 01:42:07.0	147.2	5.1					
IBBN	e PKPbc	Z 01:42:08.8	147.4	1.0					
CLZ	e PKPbc	Z 01:42:09.8	147.8	5.7					
CLL	e PKPdf	Z 01:42:06.8	148.1	10.4					
	e PKPbc	Z 01:42:10.1			0.8	45			
	e PKPab	Z 01:42:12.7							
	e pPKPbc	Z 01:42:30.2							

BUG	e	PKPbc	Z	01:42:10.6	148.3	0.2
BRG	e	PKPbc	Z	01:42:11.0	148.4	12.2
MOX	e	PKPbc	Z	01:42:12.2	148.9	8.1
TANN	e	PKPbc	Z	01:42:13.0	149.0	9.7
MANZ	e	PKPbc	Z	01:42:14.5	149.5	9.2
TNS	e	PKPbc	Z	01:42:14.1	149.5	2.4
ROTZ	e	PKPbc	Z	01:42:14.5	149.7	9.4
GRA1	e	PKPbc	Z	01:42:15.1	149.9	7.6
WLF	e	PKPbc	Z	01:42:16.1	150.0	358.1
GEC2	e	PKPbc	Z	01:42:15.9	150.4	12.5
STU	e	PKPbc	Z	01:42:17.5	150.9	3.9
FUR	e	PKPbc	Z	01:42:18.3	151.4	8.1
BFO	e	PKPbc	Z	01:42:18.2	151.4	2.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/18 02:35:52.4 49.647N 156.353E 33.0N 5.7 4.6
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:47:38.2	76.3	22.4	0.9	55	5.7		
	e L	Z 03:25:58.5			19.0	303		4.6	

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/18 03:04:43.8 48.589N 158.280E 33.0N 5.0
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:16:37.7	77.7	21.6	1.2	16	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/18 03:12: 4.7 48.500N 157.382E 33.0N 4.8
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:23:57.8	77.6	22.2	0.8	7	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/18 03:45: 7.1 46.920N 152.856E 33.0N 5.0
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 03:57:01.7 77.8 25.7 0.8 9 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 04:05: 6.0 46.082N 156.322E 33.0N 4.5
East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 04:17:10.1 79.6 23.8 0.8 6 4.5

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 04:49:43.4 48.270N 158.150E 33.0N 4.8
East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 05:01:38.8 78.0 21.8 0.8 6 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 05:00:56.6 48.168N 153.613E 33.0N 5.2
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 05:12:46.1 76.9 24.7 0.8 18 5.2

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 08:50:57.6 48.391N 156.972E 33.0N 5.5
East of Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
NRDL e P Z 09:02:36.7 75.3 22.0
CLL e P Z 09:02:39.2 75.6 23.8 1.0 63 5.7
CLZ e P Z 09:02:41.2 75.8 22.2 1.3 77 5.7
BRG e P Z 09:02:40.3 75.8 24.3 1.2 30 5.3
IBBN e P Z 09:02:42.1 75.9 20.5
MOX e P Z 09:02:45.0 76.6 22.8 1.2 41 5.4
TANN e P Z 09:02:45.0 76.6 23.3
UBBA e P Z 09:02:46.4 76.8 21.8
BUG e P Z 09:02:47.0 76.9 20.1
MANZ e P Z 09:02:48.0 77.1 23.1
ROTZ e P Z 09:02:49.4 77.3 23.1
GRA1 e P Z 09:02:50.8 77.6 22.5 1.1 64 5.7
WET e P Z 09:02:51.3 77.7 23.5 1.2 52 5.5

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GEC2	e P	Z	09:02:51.4	77.7	24.0	1.0	17	5.1
TNS	e P	Z	09:02:52.2	77.7	20.8	1.1	40	5.5
FUR	e P	Z	09:02:58.9	79.0	22.4	1.2	73	5.6
BFO	e P	Z	09:03:01.8	79.5	20.6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	10:06: 5.6	12.724N	83.453W	33.0N	5.4			SZGRF
Nicaragua								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:18:29.5	83.3	281.8	1.5	36	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	10:34:15.8	47.040N	153.248E	33.0N	4.9			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:46:10.5	77.8	25.4	0.7	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	11:09: 5.1	23.793N	119.624E	29.1	5.4			SZGRF
Taiwan region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 11:21:16.8	81.0	63.1	1.2	40	5.3		
CLL	e P	Z 11:21:18.0	81.3	62.5	1.1	43	5.4		
TANN	e P	Z 11:21:22.0	82.0	62.0					
GEC2	e P	Z 11:21:22.1	82.0	62.7	1.3	31	5.3		
NRDL	e P	Z 11:21:23.2	82.3	60.5					
WET	e P	Z 11:21:23.7	82.4	62.1	1.6	41	5.4		
MOX	e P	Z 11:21:24.0	82.4	61.4	1.2	24	5.3		
MANZ	e P	Z 11:21:24.3	82.4	61.7					
ROTZ	e P	Z 11:21:24.8	82.5	61.7					
CLZ	e P	Z 11:21:24.8	82.5	60.6	1.2	51	5.6		
GRA1	e P	Z 11:21:27.7	83.1	61.0	1.5	48	5.5		
	e pP	Z 11:21:36.2							
UBBA	e P	Z 11:21:27.8	83.2	60.2					
IBBN	e P	Z 11:21:30.5	83.6	58.7					
FUR	e P	Z 11:21:30.9	83.8	60.9	1.1	42	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/18 12:05:43.3 47.887N 153.640E 33.0N 5.0 SZGRF
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:17:34.2	77.2	24.8	0.9	10	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 13:55:14.8 3.852N 95.982E 41.9 5.9 5.5 SZGRF
Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 14:07:31.4	82.0	93.8	2.5	494	6.2		
GEC2	e P	Z 14:07:31.7	82.0	93.3	2.1	496	6.3		
WET	e P	Z 14:07:34.6	82.6	92.7	2.0	265	6.1		
CLL	e P	Z 14:07:34.2	82.6	93.1	2.4	308	6.1		
TANN	e P	Z 14:07:36.1	82.9	92.5					
ROTZ	e P	Z 14:07:37.4	83.0	92.3					
MANZ	e P	Z 14:07:37.8	83.1	92.2					
MOX	e P	Z 14:07:39.0	83.5	91.9	1.8	153	5.9		
FUR	e P	Z 14:07:39.3	83.6	91.4	2.1	281	6.1		
GRA1	e P	Z 14:07:40.6	83.7	91.5	1.2	90	5.9		
	e pP	Z 14:07:52.7							
	e S	N 14:17:55.7							
	e L	Z 14:50:53.5			21.0	2286		5.5	
CLZ	e P	Z 14:07:43.2	84.3	91.1	1.2	77	5.8		
NRDL	e P	Z 14:07:43.3	84.4	90.9					
UBBA	e P	Z 14:07:44.3	84.5	90.7					
STU	e P	Z 14:07:46.7	85.0	89.9					
TNS	e P	Z 14:07:49.4	85.5	89.4	1.1	46	5.6		
BFO	e P	Z 14:07:49.3	85.6	89.2	1.1	33	5.4		
IBBN	e P	Z 14:07:51.6	85.9	89.0					
BUG	e P	Z 14:07:53.0	86.2	88.6	1.3	99	5.8		
WLF	e P	Z 14:07:57.2	87.0	87.6					

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/18 13:57:47.1 3.788N 95.906E 39.4 6.1 SZGRF
Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 14:10:03.7	82.0	93.9	1.9	293	6.1		
GEC2	e P	Z 14:10:04.0	82.0	93.4	2.0	564	6.3		
WET	e P	Z 14:10:06.9	82.6	92.8	2.1	346	6.2		
CLL	e P	Z 14:10:06.6	82.6	93.2	2.1	250	6.1		
TANN	e P	Z 14:10:08.5	82.9	92.6					
ROTZ	e P	Z 14:10:09.8	83.0	92.4					

MANZ	e P	Z	14:10:10.2	83.1	92.3						
MOX	e P	Z	14:10:11.4	83.5	92.0	2.1	264	6.1			
FUR	e P	Z	14:10:11.6	83.6	91.5	1.7	200	6.1			
GRA1	e P	Z	14:10:12.9	83.7	91.6	2.2	407	6.3			
	e pP	Z	14:10:24.3								
CLZ	e P	Z	14:10:15.6	84.3	91.2	2.0	285	6.1			
NRDL	e P	Z	14:10:15.7	84.4	91.0						
UBBA	e P	Z	14:10:16.9	84.5	90.8						
STU	e P	Z	14:10:19.0	85.0	90.0						
TNS	e P	Z	14:10:21.8	85.5	89.5	2.2	254	6.1			
BFO	e P	Z	14:10:21.6	85.6	89.3	1.6	73	5.6			
IBBN	e P	Z	14:10:23.9	85.9	89.1	2.0	345	6.1			
BUG	e P	Z	14:10:25.4	86.2	88.7	2.2	358	6.1			
WLF	e P	Z	14:10:29.6	87.0	87.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	18:15:38.2	28.516N	56.087E	33.0N	4.3			SZGRF
Southern Iran								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:23:09.5	39.9	105.0	0.8	6	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	18:54:45.2	47.187N	154.722E	33.0N	5.4			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:06:41.3	78.1	24.4	0.8	28	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	18:59:30.2	47.354N	154.302E	33.0N	5.4			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:11:24.9	77.8	24.6	0.9	29	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	20:39:37.4	47.715N	154.544E	33.0N	4.9			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	20:51:30.6	77.6	24.3	0.8	7	4.9
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	21:45:19.0	19.364S	174.759W	33.0N				SZGRF

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z 22:04:57.2	146.7	8.4					
IBBN	e PKPbc	Z 22:04:59.4	147.0	4.4					
CLZ	e PKPbc	Z 22:04:59.9	147.3	9.0					
CLL	e PKPbc	Z 22:05:00.0	147.5	13.7					
BRG	e PKPbc	Z 22:05:01.0	147.7	15.5					
TNS	e PKPbc	Z 22:05:04.0	149.0	5.9					
GRA1	e PKPbc	Z 22:05:04.2	149.3	11.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/18	21:57:38.8	48.146N	158.222E	33.0N	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:09:34.9	78.1	21.8	0.8	13	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	00:53:44.6	45.826N	154.484E	22.4	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:05:47.3	79.3	25.1	0.6	7	4.8		
	e pP	Z 01:05:53.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	01:58: 1.3	45.084N	153.871E	33.0N	4.5			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:10:06.8	79.8	25.8	0.8	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	05:36:55.4	45.787N	154.354E	33.0N	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:48:58.1	79.3	25.2	0.7	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	06:59:13.4	21.070N	104.510W	27.6	5.7	5.4		SZGRF

Central Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z 07:11:53.4	86.1	300.1					
BUG	e P	Z 07:11:54.0	86.3	299.7	1.3	67	5.6		
WLF	e P	Z 07:11:55.2	86.5	299.0					
NRDL	e P	Z 07:11:57.6	87.2	301.9					
TNS	e P	Z 07:12:00.0	87.5	300.7	1.2	104	6.0		
GTTG	i P	+ Z 07:12:00.9	87.6	301.8					
CLZ	e P	Z 07:12:01.4	87.7	302.1	1.2	115	6.1		
BFO	e P	Z 07:12:03.3	88.4	300.6	1.4	35	5.4		
STU	e P	Z 07:12:05.0	88.7	301.3					
MOX	e P	Z 07:12:06.6	89.0	303.1	1.3	43	5.5		
RUE	e P	Z 07:12:07.1	89.1	304.7					
GRA1	e P	Z 07:12:08.9	89.3	302.8	1.4	153	6.0		
	e pP	Z 07:12:17.0							
	e PP	Z 07:15:39.3							
	e S	E 07:22:46.7							
	e L	Z 07:54:14.6			18.2	1436		5.4	
CLL	e P	Z 07:12:08.3	89.4	304.1	1.2	39	5.5		
WERD	e P	Z 07:12:09.3	89.5	303.6					
GUNZ	e P	Z 07:12:09.7	89.5	303.6					
TANN	e P	Z 07:12:09.9	89.6	303.7					
WERN	e P	Z 07:12:10.2	89.6	303.7					
MANZ	e P	Z 07:12:10.2	89.6	303.5					
FBE	e P	Z 07:12:10.5	89.8	304.4					
ROTZ	e P	Z 07:12:11.1	89.8	303.5					
BRG	e P	Z 07:12:12.0	90.1	304.9	1.4	46	5.5		
FUR	e P	Z 07:12:12.2	90.2	302.8					
WET	e P	Z 07:12:14.4	90.5	304.0	1.4	75	5.8		
GEC2	e P	Z 07:12:16.9	91.1	304.7	1.3	58	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	14:17:20.1	48.512N	155.305E	33.0N	4.6			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:29:10.3	77.0	23.5	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	15:16:59.8	48.128N	157.603E	43.0	6.1	5.0		SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 15:28:43.0	76.0	23.5	0.9	258	6.4		
CLZ	e P	Z 15:28:45.4	76.2	21.8	1.2	219	6.2		
MOX	e P	Z 15:28:49.1	77.0	22.5	0.9	113	6.0		
GRA1	e P	Z 15:28:55.0	78.0	22.2	0.8	239	6.4		
	e pP	Z 15:29:07.6							
	e L	Z 16:07:36.4			19.4	649		5.0	
WET	e P	Z 15:28:55.0	78.1	23.2	1.3	207	6.1		
GEC2	e P	Z 15:28:54.9	78.1	23.7					
TNS	e P	Z 15:28:56.0	78.1	20.5	0.8	84	5.9		
BFO	e P	Z 15:29:05.3	79.9	20.3	1.4	128	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	15:40: 9.1	47.340N	155.253E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:52:05.2	78.1	24.0	0.8	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	16:20: 0.5	48.389N	155.384E	33.0N	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:31:51.4	77.2	23.5	0.7	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	17:22:31.8	47.638N	154.278E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:34:25.0	77.6	24.5	0.7	11	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/19 17:35:42.9
Fiji Islands region

18.407S 176.711E 33.0N

SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z 17:55:14.9	144.7	27.4					
BRG	e PKPbc	Z 17:55:15.6	144.8	29.2					
CLZ	e PKPbc	Z 17:55:16.0	144.9	22.9					
IBBN	e PKPbc	Z 17:55:16.1	145.0	18.5					
TANN	e PKPbc	Z 17:55:18.1	145.6	27.1					
MOX	e PKPbc	Z 17:55:18.1	145.6	25.6					
WERN	e PKPbc	Z 17:55:18.7	145.8	27.1					
BUG	e PKPbc	Z 17:55:19.0	145.9	18.1					
GEC2	e PKPbc	Z 17:55:20.9	146.6	30.3					
GRA1	e PKPbc	Z 17:55:21.9	146.6	25.6					
TNS	e PKPbc	Z 17:55:21.8	146.8	20.7					
WLF	e PKPbc	Z 17:55:25.4	147.8	17.0					
STU	e PKPbc	Z 17:55:24.9	148.0	22.8					
BFO	e PKPbc	Z 17:55:26.6	148.6	21.5					

Date Origin Time
2006/11/19 18:58:57.6
Galapagos Islands region

Lat Long Depth mb Ms ML Source
2.626N 95.273W 33.0N 5.7 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 19:16:33.8	98.5	284.4					
	e SKSac	E 19:22:54.8							
	e PS	E 19:26:01.3							
	e SS	N 19:30:46.5							
	e L	Z 19:56:19.4			21.3	2900		5.7	

Date Origin Time
2006/11/19 20:38:29.5
Kuril Islands, Russia

Lat Long Depth mb Ms ML Source
47.686N 153.455E 33.0N 4.8 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:50:21.2	77.3	25.0	0.8	6	4.8		

Date Origin Time
2006/11/19 21:11:31.0
Kuril Islands, Russia

Lat Long Depth mb Ms ML Source
47.765N 153.720E 33.0N 5.3 SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:23:22.7	77.3	24.8	0.9	22	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	21:41:39.9	51.263N	155.119E	33.0N	4.7			SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:53:15.4	74.5	22.5	0.7	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/19	21:53:24.8	47.539N	155.443E	24.0	5.3			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:05:20.2	78.0	23.8	1.2	29	5.3		
	e pP	Z 22:05:26.6							
	e sP	Z 22:05:30.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	00:45:49.0	47.765N	153.720E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:57:40.7	77.3	24.8	0.8	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	05:27:35.7	47.365N	152.401E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:39:27.4	77.3	25.8	0.9	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	06:37:56.0	47.243N	152.957E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:49:49.2	77.6	25.5	0.8	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	13:48:21.8	46.232N	152.993E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:00:20.1	78.5	25.9	0.8	19	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	14:38:49.3	14.500S	65.500W	33.0N	5.7			SZGRF

Central Bolivia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z 14:51:45.4	89.6	246.8					
BFO	e P	Z 14:51:48.3	90.4	248.4	2.7	202	5.9		
BUG	e P	Z 14:51:50.9	91.0	247.6	1.4	67	5.8		
STU	e P	Z 14:51:52.1	91.1	249.1					
TNS	e P	Z 14:51:52.5	91.2	248.5					
FUR	e P	Z 14:51:57.2	92.2	250.6	1.1	58	5.8		
GTTG	e P	Z 14:51:58.5	92.6	249.7					
GRA1	e P	Z 14:51:59.4	92.7	250.6	1.2	40	5.7		
CLZ	e P	Z 14:52:00.1	92.9	250.1	1.4	46	5.7		
NRDL	e P	Z 14:52:00.9	93.0	249.9					
MOX	e P	Z 14:52:01.5	93.3	251.0	2.2	104	5.9		
ROTZ	e P	Z 14:52:02.2	93.3	251.4					
MANZ	e P	Z 14:52:02.7	93.3	251.3					
WET	e P	Z 14:52:03.2	93.5	251.8	1.2	28	5.5		
WERD	e P	Z 14:52:03.4	93.6	251.5					
TANN	e P	Z 14:52:04.0	93.7	251.6					
GEC2	e P	Z 14:52:04.8	94.0	252.4	1.0	15	5.3		
CLL	e P	Z 14:52:06.5	94.3	252.1	2.6	127	5.8		
FBE	e P	Z 14:52:07.1	94.4	252.3	1.2	27	5.5		
BRG	e P	Z 14:52:08.3	94.7	252.7	1.2	21	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	15:28:23.1	46.515N	152.965E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:40:20.0	78.2	25.8	0.8	13	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	16:48:33.1	47.405N	155.996E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:00:30.0	78.2	23.5	0.8	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 19:41:50.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (P)	Z 19:46:02.6			0.8	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 22:15:34.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/20	23:06: 4.5	47.775N	155.769E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:17:59.2	77.8	23.5	0.8	7	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	01:08:32.4	12.447N	126.140E	33.0N	5.3			SZGRF

Philippine Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:21:55.7	95.8	62.9	0.8	9	5.3		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/21

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:31:58.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	01:58:50.9	43.918N	21.569E	10.0G				SZGRF
Northwestern Balkan Peninsula								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:00:37.6	7.3	129.3					
WET	e Pn	Z 02:00:45.8	7.9	127.9					
ROTZ	e Pn	Z 02:00:55.3	8.7	128.9					
MANZ	e Pn	Z 02:00:57.9	8.8	129.7					
WERN	e Pn	Z 02:00:58.2	8.9	132.1					
TANN	e Pn	Z 02:00:59.0	9.0	133.0					
GUNZ	e Pn	Z 02:00:59.5	9.0	132.3					
WERD	e Pn	Z 02:01:00.0	9.1	132.6					
GRA1	e Pn	Z 02:01:01.3	9.1	125.3					
CLL	e Pn	Z 02:01:06.0	9.4	138.7					
BFO	e Pn	Z 02:01:16.1	10.2	110.8					
TNS	e Pn	Z 02:01:27.6	10.9	120.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/21

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z 08:51:30.9							
BRG	e PKPdf	Z 08:51:21.6							
BUG	e PKPdf	Z 08:51:27.1							
CLL	e PKPdf	Z 08:51:22.5							
CLZ	e PKPdf	Z 08:51:24.0							
GEC2	e PKPdf	Z 08:51:24.7							
GRA1	e PKPdf	Z 08:51:25.7							
IBBN	e PKPdf	Z 08:51:25.8							
MANZ	e PKPdf	Z 08:51:25.1							
MOX	e PKPdf	Z 08:51:24.4							
NRDL	e PKPdf	Z 08:51:22.0							
ROTZ	e PKPdf	Z 08:51:25.0							
TANN	e PKPdf	Z 08:51:24.1							
TNS	e PKPdf	Z 08:51:27.6							
UBBA	e PKPdf	Z 08:51:25.3							
WET	e PKPdf	Z 08:51:25.5							
WLF	e PKPdf	Z 08:51:30.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	09:10: 7.0	47.446N	152.664E	33.0N	5.8			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:21:58.7	77.3	25.6	1.1	82	5.8		
	e	09:22:11.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	10:17: 3.3	52.397N	160.938E	33.0N	4.9			SZGRF
Off east coast of Kamchatka Peninsula, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:28:40.3	74.7	18.6	0.7	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	15:47:13.6	47.694N	153.608E	20.1	5.0			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:59:07.3	77.3	24.9	0.7	9	5.0		
	e pP	Z 15:59:13.1							
	e PcP	Z 15:59:17.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/21	23:30:21.1	49.100N	155.893E	33.0N	5.9			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:42:09.1	76.7	22.9	1.6	153	5.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/22	02:41:19.2	47.356N	154.573E	33.0N	5.5	4.4		SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:53:14.3	77.9	24.4	1.0	37	5.5		
	e	02:53:19.8							

e L Z 03:34:30.7 18.5 181 4.4

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/22 05:37: 5.9 46.678N 152.546E 33.0N 5.0 ML SZGRF
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 05:49:01.3 78.0 26.0 0.7 8 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/22 06:05:44.8 47.432N 154.567E 33.0N 5.3 ML SZGRF
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 06:17:39.5 77.8 24.4 0.7 18 5.3

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/22 10:37:41.0 47.271N 154.512E 33.0N 5.4 4.8 ML SZGRF
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 10:49:36.4 78.0 24.5 1.0 35 5.4
 e L Z 11:27:42.9 18.8 461 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/22 10:44: 4.1 48.289N 155.820E 33.0N 5.0 ML SZGRF
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 10:55:56.2 77.4 23.3 0.9 10 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/22 11:15: 4.0 43.787N 146.856E 33.0N 6.2 4.8 ML SZGRF
Kuril Islands, Russia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
CLL i P + Z 11:26:52.3 77.2 32.4 0.7 294 6.5
 e S N 11:36:24.7
 e PS E 11:37:05.0

	e LR	Z	11:52:03.4								
	e L	Z	12:05:51.6			18.0	622		5.0		
GRA1	i P	+ Z	11:27:04.1	78.8	31.0	0.8	187	6.2			
	e L	Z	12:07:25.8			20.2	416		4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/22	12:55:0.1	45.553N	154.039E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:07:03.5	79.4	25.5	0.8	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/22	16:31:28.9	45.317N	154.641E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:43:34.4	79.8	25.2	0.8	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/22	23:09:52.4	48.405N	153.935E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:21:41.1	76.8	24.4	1.3	59	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	04:37:46.4	40.253N	42.245E	33.0N	4.7			SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 04:42:38.0	21.9	102.3	1.2	29	4.6		
BRG	e P	Z 04:42:41.6	22.3	107.4	1.5	20	4.3		
WET	e P	Z 04:42:43.4	22.5	102.1	1.1	22	4.6		
RUE	e P	Z 04:42:49.7	22.9	110.8	1.2	54	5.0		
CLL	e P	Z 04:42:49.0	23.0	107.3	1.0	16	4.5		
TANN	e P	Z 04:42:48.7	23.1	104.6	1.8	22	4.4		
ROTZ	e P	Z 04:42:49.7	23.1	102.8	1.3	41	4.8		
WERN	e P	Z 04:42:49.2	23.1	104.2	1.1	23	4.6		
GUNZ	e P	Z 04:42:50.4	23.1	104.3	1.6	24	4.5		
FUR	e P	Z 04:42:51.9	23.4	98.2	1.0	26	4.7		

GRA1	e P	Z	04:42:55.6	23.7	101.6	1.3	37	4.8
CLZ	e P	Z	04:43:06.6	24.7	105.3	1.0	23	4.9
STU	e P	Z	04:43:05.9	24.8	97.6	1.1	36	5.0
BFO	e P	Z	04:43:13.4	25.3	95.8	1.2	14	4.6
TNS	e P	Z	04:43:13.6	25.5	99.9	1.1	17	4.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	07:15:21.5	48.044N	22.535E	10.0G			4.0	SZGRF
Ukraine - Moldova - Southwestern Russia region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
ARSA	e Pn	Z	07:16:33.6	4.8	77.9					4.0
MOA	e Pn	Z	07:16:44.2	5.5	84.9					
GEC2	e Pn	Z	07:16:48.8	5.9	94.5					
BRG	e Pn	Z	07:16:54.7	6.3	113.6					
KBA	e Pn	Z	07:16:54.5	6.3	77.8					
WET	e Pn	Z	07:16:56.1	6.5	96.1					
	e Sn	N	07:18:07.3							
CLL	e Pn	Z	07:17:02.7	7.0	114.2					
TANN	e Pn	Z	07:17:03.0	7.0	106.0					
ROTZ	e Pn	Z	07:17:02.4	7.0	100.3					
	e Sn	E	07:18:20.6							
WERN	e Pn	Z	07:17:03.1	7.0	104.8					
	e Sn	E	07:18:20.9							
GUNZ	e Pn	Z	07:17:03.8	7.1	105.3					
	e Sn	N	07:18:23.8							
WERD	e Pn	Z	07:17:03.8	7.1	105.9					
MANZ	e Pn	Z	07:17:04.8	7.1	101.9					
	e Sn	N	07:18:23.2							
MOX	e Pn	Z	07:17:10.9	7.6	105.9					
GRA1	e Pn	Z	07:17:11.4	7.6	98.2					
DAVA	e Pn	Z	07:17:25.3	8.5	80.3					
CLZ	e Pn	Z	07:17:26.2	8.7	111.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	11:04:45.6	44.660N	84.070E	24.8	5.4	4.9		SZGRF
Northern Xinjiang, China								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	11:13:01.5	45.3	70.4	0.6	50	5.6		
BRG	e P	Z	11:13:05.2	45.7	69.1	0.9	21	5.1		
FBE	e P	Z	11:13:08.0	46.1	68.8	0.7	45	5.6		
CLL	e P	Z	11:13:08.1	46.1	68.9	0.6	70	5.9		
GEC2	e P	Z	11:13:12.2	46.6	67.1	1.4	26	5.2		
	e pP	Z	11:13:18.7							

TANN	e P	Z	11:13:13.0	46.8	67.8	0.9	24	5.3		
WERD	e P	Z	11:13:14.0	46.9	67.8	0.8	21	5.3		
	e pP	Z	11:13:20.6							
GUNZ	e P	Z	11:13:14.4	46.9	67.7	0.7	30	5.5		
WERN	e P	Z	11:13:14.1	46.9	67.7	0.8	21	5.3		
WET	e P	Z	11:13:15.3	47.0	67.0	0.9	15	5.1		
	e pP	Z	11:13:21.9							
MANZ	e P	Z	11:13:16.6	47.2	67.3	1.2	16	5.0		
ROTZ	e P	Z	11:13:16.7	47.2	67.1	1.3	28	5.2		
	e pP	Z	11:13:23.4							
MOX	e P	Z	11:13:16.3	47.2	67.6	0.8	29	5.5		
	e pP	Z	11:13:23.3							
CLZ	e P	Z	11:13:18.8	47.5	67.9	0.6	21	5.5		
GRA1	e P	Z	11:13:21.8	47.8	66.6	0.8	43	5.6		
	e L	Z	11:34:28.8			20.3	1178		4.9	
GTTG	e P	Z	11:13:21.8	47.8	67.4	0.6	72	6.0		
UBBA	e P	Z	11:13:23.1	48.1	66.8	1.1	23	5.2		
FUR	e P	Z	11:13:26.3	48.4	65.3	1.1	56	5.5		
TNS	e P	Z	11:13:32.3	49.2	65.5	0.6	20	5.3		
STU	e P	Z	11:13:33.2	49.4	64.8	0.9	26	5.2		
BFO	e P	Z	11:13:38.5	50.1	64.0	0.8	18	5.0		
WLF	e P	Z	11:13:44.4	50.8	63.9	1.0	27	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/23 13:31:53.0 36.040N 12.801E 15.0G 4.1
 Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e Pn	Z 13:35:15.7	13.7	175.1					
GRFO	e Pn	Z 13:35:16.0	13.7	174.6					
	e L	Z 13:41:26.3			13.8	1192		4.1	
CLL	e Pn	Z 13:35:35.0	15.3	180.6					

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/23 13:30:35.7 47.390N 154.927E 33.0N 5.1
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z 13:42:31.1	78.0	24.3	0.8	11	5.0		
GRFO	e P	Z 13:42:26.3	78.0	24.2	0.8	12	5.1		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/23 14:46: 0.1 47.402N 153.483E 33.0N 5.1
 SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z 14:57:53.2	77.6	25.2	1.0	15	5.1		
GRFO	e P	Z 14:57:53.7	77.6	25.1	1.1	19	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	15:00:37.4	46.995N	151.229E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z 15:12:29.0	77.3	26.8	0.9	18	5.2		
GRFO	e P	Z 15:12:29.2	77.3	26.7	0.7	16	5.3		
GRB1	e P	Z 15:12:30.0	77.5	26.9	1.0	18	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	15:09:58.2	46.750N	155.883E	18.1	5.1			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z 15:21:58.2	78.8	23.9	0.9	34	5.4		
	e pP	Z 15:22:03.4							
GEC2	e P	Z 15:22:03.7	78.9	25.3	0.8	8	4.8		
GRB1	e P	Z 15:21:58.8	79.0	24.1	0.9	25	5.2		
	e pP	Z 15:22:04.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	16:00:30.3	47.940N	152.380E	33.0N	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 16:12:10.4	74.8	26.9	1.1	56	5.6		
BRG	e P	Z 16:12:11.0	75.0	27.4	1.3	20	5.1		
CLZ	e P	Z 16:12:12.4	75.1	25.3	1.1	49	5.5		
FBE	e P	Z 16:12:12.0	75.1	27.0	1.2	27	5.3		
IBBN	e P	Z 16:12:13.5	75.3	23.6	1.0	39	5.5		
GTTG	e P	Z 16:12:14.4	75.4	25.0	0.6	14	5.3		
TANN	e P	Z 16:12:16.1	75.8	26.4	1.6	23	5.1		
WERD	e P	Z 16:12:15.9	75.8	26.3	1.1	15	5.0		
MOX	e P	Z 16:12:16.1	75.8	25.9	1.1	30	5.3		
GUNZ	e P	Z 16:12:16.7	75.9	26.3	1.0	16	5.1		
WERN	e P	Z 16:12:17.0	75.9	26.4	1.2	39	5.4		
UBBA	e P	Z 16:12:17.7	76.1	24.9	0.8	10	5.0		

BUG	e P	Z	16:12:18.5	76.2	23.2	1.2	54	5.5
MANZ	e P	Z	16:12:19.0	76.3	26.2	1.2	25	5.2
ROTZ	e P	Z	16:12:20.0	76.4	26.2	0.9	21	5.3
GRA2	e P	Z	16:12:21.9	76.8	25.6	1.0	62	5.7
GRFO	e P	Z	16:12:22.2	76.8	25.6	1.1	52	5.6
WET	e P	Z	16:12:22.2	76.8	26.5	1.1	29	5.3
GEC2	e P	Z	16:12:21.9	76.8	27.0	0.7	9	5.0
GRB1	e P	Z	16:12:22.7	76.9	25.8	1.2	54	5.5
TNS	e P	Z	16:12:23.2	77.0	23.9	1.1	34	5.4
BFO	e P	Z	16:12:32.7	78.8	23.6	1.2	40	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	17:37:4.9	46.682N	155.872E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA2	e P	Z 17:49:05.2	78.9	23.9	1.0	18	5.0		
GRFO	e P	Z 17:49:05.7	78.9	23.9	0.8	8	4.8		
GRB1	e P	Z 17:49:06.1	79.0	24.1	1.1	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/23	20:04:59.7	48.882N	153.131E	33.0N	6.0	5.2		SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 20:16:17.0	71.2	26.6	1.4	548	6.5		
RUE	e P	Z 20:16:26.8	72.9	26.6	1.1	202	6.2		
CLL	e P	Z 20:16:33.6	74.2	26.0	1.0	236	6.2		
BRG	e P	Z 20:16:34.5	74.3	26.5	1.2	105	5.8		
CLZ	e P	Z 20:16:35.8	74.4	24.4	1.2	229	6.1		
FBE	e P	Z 20:16:35.4	74.4	26.2	1.1	178	6.0		
IBBN	e P	Z 20:16:36.6	74.6	22.8	1.1	140	5.9		
GTTG	e P	Z 20:16:37.7	74.8	24.1	1.3	124	5.8		
TANN	e P	Z 20:16:39.6	75.1	25.5	1.1	61	5.5		
WERD	e P	Z 20:16:39.7	75.2	25.5	1.2	113	5.8		
MOX	e P	Z 20:16:39.6	75.2	25.0	1.0	104	5.9		
GUNZ	e P	Z 20:16:40.2	75.2	25.5	1.1	111	5.9		
WERN	e P	Z 20:16:40.5	75.3	25.5	1.0	122	6.0		
UBBA	e P	Z 20:16:41.3	75.4	24.1	1.6	165	5.9		
BUG	e P	Z 20:16:41.6	75.5	22.4	1.1	154	6.0		
MANZ	e P	Z 20:16:42.4	75.6	25.3	1.1	92	5.8		
ROTZ	e P	Z 20:16:43.7	75.8	25.3	1.1	142	6.0		
GRFO	e P	Z 20:16:45.6	76.1	24.7	1.0	222	6.2		
	e L	Z 20:54:26.7			20.8	1311		5.2	
WET	e P	Z 20:16:45.8	76.2	25.7	1.1	188	6.1		

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	N 00:33:44.9							
	e Sn	N 00:34:02.2							
WET	e Pn	Z 00:33:50.8							
	e Sn	N 00:34:11.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	00:55:56.7	46.377N	14.036E	10.0G			2.7	SZGRF

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
KBA	e Pg	Z 00:56:12.0	0.8	145.7					2.5
	e Sg	N 00:56:23.3							
ARSA	e Pg	Z 00:56:20.7	1.3	229.9					2.2
	e Sg	N 00:56:37.7							
MOA	e Pg	Z 00:56:23.4	1.5	186.1					2.1
	e Sg	E 00:56:45.8							
WTTA	e Pn	Z 00:56:28.1	1.9	117.5					2.6
	e Sg	N 00:56:54.9							
GEC2	e Pn	Z 00:56:37.2	2.5	174.7					2.8
	e Sg	E 00:57:15.0							
WET	e Pn	Z 00:56:44.0	2.9	163.9					2.9
DAVA	e Pn	Z 00:56:45.4	3.0	106.2					3.0
ROTZ	e Pn	Z 00:56:52.1	3.6	159.5					
	e Sn	N 00:57:34.6							
MANZ	e Pn	Z 00:56:56.2	3.8	159.7					3.2
	e Sg	E 00:57:57.2							
WERN	e Sg	N 00:58:06.1	4.1	163.6					
GUNZ	e Sg	Z 00:58:08.6	4.1	163.5					
WERD	e Sg	N 00:58:11.9	4.2	163.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	04:37:37.0	36.197N	15.813E	10.0G				INGV

Sicily, Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 04:40:39.4	12.7	172.3					
WET	e Pn	Z 04:40:46.7	13.1	169.5					
ROTZ	e Pn	Z 04:41:03.0	13.8	167.7					
GRFO	e Pn	Z 04:41:03.6	13.9	164.4					
WERN	e Pn	Z 04:41:09.3	14.3	168.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/24 12:31:13.8 6.100S 150.500E 55.0 5.9 NEIC
New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
BRG	e PKPdf	Z 12:50:02.9	122.5	54.2						
	e pPKPdf	Z 12:50:13.4								
CLL	e PKPdf	Z 12:50:02.7	122.8	53.0	0.9	10				
	e pPKPdf	Z 12:50:14.0								
	e PP	Z 12:51:45.3								
	e PPP	Z 12:54:17.9								
	e SKKSac	Z 12:58:39.3								
	e PS	N 13:01:43.8								
	e PPS	N 13:03:05.2								
	e SS	N 13:08:39.3								
	e SSS	E 13:13:15.7								
	e LR	Z 13:30:36.0								
	e L	Z 13:43:51.7				22.0	2962		5.9	
	FBE	e PKPdf	Z 12:50:03.8	122.8	53.6					
		e pPKPdf	Z 12:50:13.8							
NRDL	e PKPdf	Z 12:50:05.0	123.4	49.4						
TANN	e PKPdf	Z 12:50:05.0	123.6	52.9						
WERD	e PKPdf	Z 12:50:05.3	123.6	52.8						
GUNZ	e PKPdf	Z 12:50:05.5	123.7	52.8						
WERN	e PKPdf	Z 12:50:05.9	123.7	52.9						
CLZ	e PKPdf	Z 12:50:06.0	123.7	50.0						
GEC2	e PKPdf	Z 12:50:05.7	123.8	55.0						
	e pPKPdf	Z 12:50:15.8								
MOX	e PKPdf	Z 12:50:05.2	123.9	51.9						
MANZ	e PKPdf	Z 12:50:06.5	124.0	52.8						
WET	e PKPdf	Z 12:50:06.6	124.1	54.0						
	e pPKPdf	Z 12:50:16.8								
GRA1	e PKPdf	Z 12:50:07.1	124.6	52.0						
	e pPKPdf	Z 12:50:17.8								
	e PP	Z 12:51:58.7								
	e SKPdf	Z 12:54:14.4								
	e SP	R 13:01:58.4								
	e SS	R 13:09:08.2								
	e L	Z 13:45:19.0				21.7	2666		5.9	
FUR	e PKPdf	Z 12:50:09.7	125.6	53.0						
TNS	e PKPdf	Z 12:50:09.0	125.7	48.8						
STU	e PKPdf	Z 12:50:11.2	126.3	50.4						
BFO	e PKPdf	Z 12:50:10.6	127.0	49.8						
WLF	e PKPdf	Z 12:50:13.2	127.2	46.7						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	14:57: 6.9	50.749N	158.089E	33.0N	5.4			SZGRF

East of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:08:49.2	75.7	20.9	1.9	59	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	15:34:21.6	48.170N	152.560E	33.0G	5.7	5.3		SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z	15:45:44.2	71.7	27.3	0.8	223	6.3		
RUE	e P	Z	15:45:53.7	73.4	27.3	0.9	141	6.0		
NRDL	e P	Z	15:45:58.7	74.4	25.0	0.9	40	5.5		
CLL	e P	Z	15:45:59.7	74.7	26.7	0.8	162	6.1		
BRG	e P	Z	15:46:00.6	74.8	27.2	0.9	32	5.3		
CLZ	e P	Z	15:46:02.0	74.9	25.1	0.9	113	5.9		
FBE	e P	Z	15:46:01.5	74.9	26.8	0.8	84	5.8		
IBBN	e P	Z	15:46:02.9	75.1	23.4	0.8	67	5.7		
TANN	e P	Z	15:46:05.7	75.6	26.2	0.9	21	5.2		
WERD	e P	Z	15:46:05.8	75.6	26.1	0.9	37	5.5		
MOX	e P	Z	15:46:05.8	75.7	25.7	0.9	67	5.7		
GUNZ	e P	Z	15:46:06.2	75.7	26.1	0.8	50	5.7		
WERN	e P	Z	15:46:06.6	75.8	26.1	0.8	72	5.8		
UBBA	e P	Z	15:46:07.2	75.9	24.7	1.0	43	5.5		
BUG	e P	Z	15:46:08.1	76.1	23.0	1.1	88	5.8		
MANZ	e P	Z	15:46:08.6	76.1	25.9	0.9	50	5.6		
ROTZ	e P	Z	15:46:09.8	76.3	26.0	1.1	65	5.7		
GRA1	e P	Z	15:46:11.8	76.6	25.4	0.8	127	6.1		
	e S	R	15:56:07.7							
	e L	Z	16:24:38.0			18.0	1235		5.3	
WET	e P	Z	15:46:11.9	76.6	26.3	0.9	56	5.7		
GEC2	e P	Z	15:46:11.5	76.7	26.8	0.9	30	5.4		
TNS	e P	Z	15:46:12.9	76.9	23.7	1.0	73	5.8		
FUR	e P	Z	15:46:19.2	78.0	25.2	1.0	94	5.9		
STU	e P	Z	15:46:19.1	78.0	24.0	0.9	65	5.8		
BFO	e P	Z	15:46:22.5	78.6	23.4	1.0	72	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	15:39:37.9	46.025N	153.744E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:51:38.4	78.9	25.5	0.8	13	5.0		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	16:32:18.8	47.976N	150.748E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:44:04.7	76.3	26.6	1.2	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	17:16:56.4	36.688N	21.565E	33.0N		3.6		SZGRF

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z 17:20:20.7	14.0	149.9					
MANZ	e P	Z 17:20:31.4	14.9	149.3					
GRA1	e P	Z 17:20:31.6	15.0	146.2	1.1	20			
	e L	Z 17:27:12.4			15.9	381		3.6	
WERN	e P	Z 17:20:33.2	15.1	150.6	0.5	8			
BRG	e P	Z 17:20:33.2	15.2	156.1	0.6	8			
GUNZ	e P	Z 17:20:34.1	15.2	150.6	0.6	12			
FBE	e P	Z 17:20:35.6	15.4	154.4	0.7	13			
MOX	e P	Z 17:20:38.5	15.7	149.1	0.7	7			
CLL	e P	Z 17:20:40.5	15.8	154.1	0.6	14			
TNS	e P	Z 17:20:49.4	16.5	140.1	0.6	18			
RUE	e P	Z 17:20:50.7	16.7	157.8	0.9	35			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	17:11:13.5	19.738S	176.613W	33.0N				GSRC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 17:31:01.0	149.4	14.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	19:55: 6.0	23.432S	175.606W	42.0G		5.7		NEIC

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 20:14:51.9	150.1	17.5					
NRDL	e PKPbc	Z 20:14:53.2	150.6	10.7					
IBBN	e PKPbc	Z 20:14:54.2	151.0	6.4					
CLZ	e PKPbc	Z 20:14:54.8	151.2	11.4					
CLL	e PKPbc	Z 20:14:55.0	151.3	16.6					
BRG	e PKPbc	Z 20:14:54.6	151.6	18.6					

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FBE	e	PKPbc	Z	20:14:56.1	151.6	17.5				
BUG	e	PKPbc	Z	20:14:56.4	151.9	5.6				
MOX	e	PKPbc	Z	20:14:57.2	152.2	14.3				
WERD	e	PKPbc	Z	20:14:57.3	152.3	15.8				
GUNZ	e	PKPbc	Z	20:14:57.7	152.4	15.9				
GRA1	e	L	Z	21:30:51.4	153.2	14.0	20.3	1225		5.7
GEC2	e	PKPbc	Z	20:15:00.2	153.5	19.5				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	21:02:30.4	47.660N	151.700E	33.0N	5.3			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 21:14:01.4	73.6	28.1	0.7	35	5.5		
NRDL	e P	Z 21:14:07.3	74.6	25.7	1.0	22	5.1		
CLL	e P	Z 21:14:08.2	74.9	27.4	1.2	69	5.6		
BRG	e P	Z 21:14:08.9	75.0	28.0	1.2	18	5.0		
FBE	e P	Z 21:14:09.9	75.1	27.6	1.1	36	5.3		
CLZ	e P	Z 21:14:10.4	75.1	25.8	1.3	58	5.4		
TANN	e P	Z 21:14:14.1	75.8	27.0	1.4	20	5.0		
WERD	e P	Z 21:14:14.3	75.9	26.9	1.2	26	5.2		
MOX	e P	Z 21:14:14.2	75.9	26.5	1.2	28	5.3		
GUNZ	e P	Z 21:14:14.6	75.9	26.9	1.0	25	5.3		
WERN	e P	Z 21:14:14.9	76.0	26.9	0.9	22	5.3		
UBBA	e P	Z 21:14:15.8	76.2	25.5	1.5	38	5.3		
BUG	e P	Z 21:14:16.6	76.3	23.8	1.3	68	5.6		
MANZ	e P	Z 21:14:17.1	76.3	26.7	1.2	17	5.1		
ROTZ	e P	Z 21:14:18.0	76.5	26.7	1.0	28	5.3		
GRA1	e P	Z 21:14:20.2	76.8	26.1	1.0	68	5.7		
WET	e P	Z 21:14:20.3	76.9	27.1	1.1	39	5.5		
GEC2	e P	Z 21:14:19.7	76.9	27.6	0.9	15	5.1		
TNS	e P	Z 21:14:21.5	77.1	24.4	1.1	40	5.4		
FUR	e P	Z 21:14:27.4	78.2	26.0	1.2	60	5.5		
WLF	e P	Z 21:14:27.3	78.2	22.9	1.5	61	5.4		
STU	e P	Z 21:14:27.5	78.2	24.8	1.2	44	5.3		
BFO	e P	Z 21:14:30.9	78.9	24.2	1.1	34	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	21:31: 3.5	46.259N	7.965E	10.0G			2.8	SZGRF

Switzerland

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 21:31:38.1	2.1	186.9					2.4
	e Sn	N 21:32:04.8							
STU	e Sn	E 21:32:30.1	2.6	198.7	0.4	38			3.1

FUR	e Pn	Z	21:31:51.4	2.9	231.0
WET	e Pn	Z	21:32:09.5	4.4	230.7
	e Sn	N	21:32:59.7		
GEC2	e Sn	N	21:33:06.6	4.7	238.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	21:36:56.3	48.049N	154.293E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:48:47.4	77.2	24.3	0.9	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/24	22:39: 8.5	49.131N	155.517E	33.0N	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:50:55.8	76.5	23.1	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/25	00:00:11.4	46.587N	154.164E	33.0N	4.7			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:12:09.8	78.5	25.0	1.1	10	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/25	06:01:30.4	47.444N	154.735E	33.0N	5.0			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:13:25.2	77.9	24.3	1.6	22	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/25	12:10:29.8	54.620N	163.820W	41.2	5.4	4.9		SZGRF

Unimak Island, Alaska, United States, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
HLG	e P	Z 12:21:47.1	71.0	354.9	1.1	275	6.3		

NRDL	e P	Z	12:21:57.4	72.8	356.3	1.3	38	5.4		
RUE	e P	Z	12:21:58.2	72.9	358.5	1.3	68	5.6		
CLZ	e P	Z	12:22:01.7	73.4	356.5	1.4	66	5.5		
	e sP	Z	12:22:18.0							
BUG	e P	Z	12:22:02.6	73.7	354.6	1.5	93	5.6		
CLL	e P	Z	12:22:04.5	74.0	358.1	1.2	30	5.2		
FBE	e P	Z	12:22:07.2	74.4	358.3	2.5	254	5.8		
UBBA	e P	Z	12:22:07.0	74.4	356.3	1.8	53	5.3		
	e sP	Z	12:22:24.3							
BRG	e P	Z	12:22:07.3	74.5	358.7	1.4	37	5.2		
MOX	e P	Z	12:22:08.5	74.7	357.3	1.1	27	5.2		
WERD	e P	Z	12:22:10.0	74.9	357.7	1.9	62	5.3		
TANN	e P	Z	12:22:10.2	74.9	357.8	2.1	95	5.5		
TNS	e P	Z	12:22:10.3	75.0	355.4	1.1	25	5.2		
	e sP	Z	12:22:26.5							
GUNZ	e P	Z	12:22:10.5	75.0	357.7	0.9	19	5.1		
WERN	e P	Z	12:22:11.0	75.0	357.7	1.7	67	5.4		
MANZ	e P	Z	12:22:12.6	75.3	357.6	2.0	62	5.4		
WLF	e P	Z	12:22:13.0	75.4	354.0	1.2	35	5.4		
ROTZ	e P	Z	12:22:14.1	75.6	357.6	1.5	49	5.4		
GRA1	e P	Z	12:22:14.3	75.6	357.0	1.5	75	5.6		
	e L	Z	12:57:26.8			21.6	661		4.9	
GRFO	e P	Z	12:22:14.3	75.6	357.0					
WET	e P	Z	12:22:17.7	76.2	358.0	1.5	34	5.2		
STU	e P	Z	12:22:18.5	76.4	355.8	1.3	33	5.3		
GEC2	e P	Z	12:22:19.3	76.5	358.5	1.3	19	5.1		
BFO	e P	Z	12:22:20.7	76.8	355.3	1.7	51	5.4		
FUR	e P	Z	12:22:22.7	77.1	357.1	1.4	68	5.6		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/25 12:59:19.5 53.952N 161.551W 33.0N 4.8
 South of Alaska

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e P Z 13:11:04.8 76.2 355.6 1.4 13 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/25 15:15:24.2 23.554S 175.732W 90.0G
 Tonga Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKP Z 15:35:24.1 153.3 14.3

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/25	15:35:1.9	46.624N	153.382E	33.0N	4.4			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:46:58.8	78.3	25.5	1.2	5	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/25	18:50:33.8	3.820N	94.530E	50.7	5.2			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 19:02:45.9	81.1	94.4	1.4	43	5.3		
	e pP	Z 19:03:00.7							
BRG	e P	Z 19:02:45.8	81.1	94.9	1.5	26	5.0		
RUE	e P	Z 19:02:47.3	81.3	95.0	0.9	42	5.5		
FBE	e P	Z 19:02:48.4	81.5	94.5	1.5	28	5.1		
WET	e P	Z 19:02:49.2	81.7	93.8	1.6	30	5.2		
CLL	e P	Z 19:02:49.2	81.7	94.2	1.1	10	4.8		
	e pP	Z 19:03:03.7							
GUNZ	e P	Z 19:02:51.8	82.1	93.6	1.4	21	5.1		
WERD	e P	Z 19:02:51.3	82.1	93.6	1.2	11	4.8		
ROTZ	e P	Z 19:02:51.8	82.1	93.4	1.2	15	5.0		
MANZ	e P	Z 19:02:52.6	82.2	93.4	1.4	32	5.3		
MOX	e P	Z 19:02:53.9	82.6	93.1	1.4	16	5.0		
GRA1	e P	Z 19:02:55.7	82.8	92.6	1.7	52	5.5		
CLZ	e P	Z 19:02:58.2	83.4	92.2	1.5	44	5.5		
NRDL	e P	Z 19:02:58.8	83.6	92.1	1.6	52	5.5		
STU	e P	Z 19:03:01.2	84.1	91.0	1.0	12	5.1		
TNS	e P	Z 19:03:04.4	84.6	90.6	1.4	25	5.3		
BFO	e P	Z 19:03:03.6	84.6	90.3	1.1	10	4.9		
BUG	e P	Z 19:03:07.9	85.3	89.8	1.2	36	5.5		
WLF	e P	Z 19:03:12.1	86.0	88.8	1.3	35	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	08:36:6.0	46.810N	155.423E	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 08:48:05.1	78.6	24.1	1.1	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	12:58:4.3	46.833N	155.277E	33.0N	5.2			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:10:03.0	78.6	24.2	0.8	18	5.2		
	e	13:10:17.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	17:32:37.9	48.298N	155.588E	33.0N	4.8			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:44:29.6	77.3	23.4	0.8	7	4.8		
	e	17:44:43.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	17:36:22.9	33.930S	178.180W	106.9				SZGRF

South of Kermadec Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z 17:56:49.9	160.8	29.3					
BRG	e PKPab	Z 17:56:50.4	160.9	32.2					
	e pPKPab	Z 17:57:19.4							
FBE	e PKPab	Z 17:56:51.4	161.0	30.7					
CLZ	e PKPab	Z 17:56:51.6	161.1	22.3					
TANN	e PKPab	Z 17:56:54.7	161.8	29.3					
WERD	e PKPab	Z 17:56:54.6	161.8	28.9					
MOX	e PKPab	Z 17:56:54.8	161.8	26.9					
GUNZ	e PKPab	Z 17:56:55.1	161.9	29.1					
	e pPKPab	Z 17:57:23.3							
WERN	e PKPab	Z 17:56:55.5	161.9	29.3					
BUG	e PKPab	Z 17:56:55.6	162.0	14.8					
MANZ	e PKPab	Z 17:56:56.9	162.3	29.1					
ROTZ	e PKPab	Z 17:56:57.8	162.4	29.7					
GEC2	e PKPab	Z 17:56:58.7	162.7	35.0					
WET	e PKPab	Z 17:56:58.8	162.7	32.4					
GRA1	e PKPab	Z 17:56:59.5	162.8	27.3					
	e pPKPab	Z 17:57:27.4							
TNS	e PKPab	Z 17:56:59.7	163.0	19.1					
WLF	e PKPab	Z 17:57:04.8	163.9	13.1					
FUR	e PKPab	Z 17:57:04.9	164.1	29.9					
STU	e PKPab	Z 17:57:05.1	164.2	23.0					
BFO	e PKPab	Z 17:57:07.8	164.8	21.0					

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	17:58:7.4	35.280N	22.800E	10.0G				SZGRF

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 18:01:46.3	15.1	150.4	0.7	9			
FUR	e P	Z 18:01:50.3	15.5	142.3	1.0	47			
WET	e P	Z 18:01:51.5	15.7	148.6	0.9	18			
ROTZ	e P	Z 18:02:00.2	16.4	147.9	2.0	40			
GRA2	e P	Z 18:02:02.0	16.6	145.5					
MANZ	e P	Z 18:02:02.5	16.6	148.1	1.3	24			
GRFO	e P	Z 18:02:02.7	16.7	145.2	1.2	56			
STU	e P	Z 18:02:02.2	16.8	138.4	0.8	25			
WERN	e P	Z 18:02:05.0	16.8	149.3	1.2	20			
BRG	e P	Z 18:02:05.0	16.9	154.3					
BFO	e P	Z 18:02:03.8	16.9	135.3	1.2	20			
GUNZ	e P	Z 18:02:05.3	16.9	149.3	1.7	43			
TANN	e P	Z 18:02:05.5	16.9	149.7	1.5	31			
WERD	e P	Z 18:02:04.8	17.0	149.4	1.3	22			
FBE	e P	Z 18:02:09.1	17.1	152.8	1.1	32			
MOX	e P	Z 18:02:12.6	17.4	148.0	1.4	24			
CLL	e P	Z 18:02:15.3	17.5	152.5	1.5	50			
TNS	e P	Z 18:02:20.3	18.2	139.7	0.9	22			
RUE	e P	Z 18:02:21.3	18.4	156.0	1.0	60			
CLZ	e P	Z 18:02:28.3	18.8	146.9	1.2	23			
WLF	e P	Z 18:02:30.0	18.8	133.6	1.5	64			
NRDL	e P	Z 18:02:38.3	19.4	147.4	1.1	36			
BUG	e P	Z 18:02:43.1	19.6	139.4	1.6	39			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	19:11:27.8	46.748N	154.218E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:23:25.4	78.4	24.9	0.9	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/26	23:25:13.7	22.910S	178.850W	558.1				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PKPbc	Z 23:43:58.7	148.9	22.9					
NRDL	e PKPbc	Z 23:44:00.0	149.6	16.5					
	e PKPab	Z 23:44:07.4							
CLL	e PKPbc	Z 23:44:01.6	150.2	22.3					

	e	PKPab	Z	23:44:09.8					
	e	pPKPbc	Z	23:46:11.5					
CLZ	e	PKPbc	Z	23:44:02.2	150.2	17.3			
BRG	e	PKPbc	Z	23:44:02.2	150.3	24.3			
FBE	e	PKPbc	Z	23:44:02.6	150.4	23.2			
	e	PKPab	Z	23:44:11.4					
	e	pPKPbc	Z	23:46:11.1					
BUG	e	PKPbc	Z	23:44:03.7	151.1	11.7			
MOX	e	PKPbc	Z	23:44:03.7	151.1	20.3			
TANN	e	PKPbc	Z	23:44:04.2	151.1	22.0			
WERD	e	PKPbc	Z	23:44:04.1	151.1	21.7			
	e	PKPab	Z	23:44:13.7					
GUNZ	e	PKPbc	Z	23:44:04.5	151.2	21.8			
	e	PKPab	Z	23:44:14.6					
WERN	e	PKPbc	Z	23:44:04.6	151.3	21.9			
	e	PKPab	Z	23:44:14.9					
UBBA	e	PKPbc	Z	23:44:05.1	151.3	17.1			
MANZ	e	PKPbc	Z	23:44:05.2	151.6	21.6			
	e	PKPab	Z	23:44:16.2					
ROTZ	e	PKPbc	Z	23:44:05.4	151.8	21.9			
	e	pPKPbc	Z	23:46:14.6					
GRA1	e	PKPbc	Z	23:44:05.7	152.1	20.1			
	e	PKPab	Z	23:44:18.9					
TNS	e	PKPbc	Z	23:44:06.4	152.1	14.5			
	e	PKPab	Z	23:44:18.2					
WET	e	PKPbc	Z	23:44:05.9	152.2	23.7			
GEC2	e	PKPbc	Z	23:44:06.2	152.2	25.4			
	e	pPKPbc	Z	23:46:16.1					
WLF	e	PKPbc	Z	23:44:08.5	153.0	10.2			
	e	pPKPbc	Z	23:46:18.4					
STU	e	PKPbc	Z	23:44:09.0	153.4	16.7			
	e	PKPab	Z	23:44:23.8					
FUR	e	PKPbc	Z	23:44:09.3	153.5	21.3			
	e	PKPab	Z	23:44:24.6					
BFO	e	PKPbc	Z	23:44:09.9	153.9	15.2			
	e	PKPab	Z	23:44:25.7					

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/27

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 10:55:03.6

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/27 16:56: 6.4 54.567N 162.906W 33.0N 5.0 SZGRF

Alaska Peninsula, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:07:48.5	75.6	356.5	1.2	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/27	17:31:47.6	16.100S	71.800W	111.0				NEIC

Southern Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 17:45:10.4	97.8	254.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/27	19:26:46.4	37.110N	135.349E	446.1	4.8			SZGRF

Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:37:24.7	80.2	42.1	0.9	12	4.8		
	e pP	Z 19:39:03.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/27	19:32:59.6	48.368N	155.225E	33.0G	5.7			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:44:50.4	77.2	23.6	1.2	72	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/27	23:04:15.1	47.907N	155.314E	33.0N	4.8			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:16:08.4	77.6	23.7	1.4	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/27								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:30:08.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2006/11/28												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		GRA1	e P	Z 03:00:32.3			1.0	9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2006/11/28	04:09:34.9	16.446S	177.572W	33.0N				SZGRF				
Fiji Islands region												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		FBE	e PKPbc	Z 04:29:05.9	144.4	18.2						
		WERD	e PKPbc	Z 04:29:07.9	145.1	16.7						
		TANN	e PKPbc	Z 04:29:08.0	145.1	17.0						
		GUNZ	e PKPbc	Z 04:29:08.5	145.2	16.8						
		WERN	e PKPbc	Z 04:29:08.6	145.2	16.9						
		ROTZ	e PKPbc	Z 04:29:10.5	145.8	16.8						
		TNS	e PKPbc	Z 04:29:10.8	145.9	10.3						
		GRA1	e PKPbc	Z 04:29:10.8	146.0	15.2						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2006/11/28	07:03:34.5	22.246S	175.570W	165.8				SZGRF				
Tonga Islands region												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		RUE	e PKPbc	Z 07:23:19.2	148.9	16.9						
		CLZ	e PKPbc	Z 07:23:22.1	150.0	11.1						
		CLL	e PKPbc	Z 07:23:21.5	150.2	16.1	0.9	31				
			e PKPab	Z 07:23:26.8								
			e pPKPbc	Z 07:24:04.0								
			e pPKPab	Z 07:24:07.2								
		BRG	e PKPbc	Z 07:23:22.8	150.4	18.1						
		FBE	e PKPbc	Z 07:23:23.1	150.5	16.9						
		MOX	e PKPbc	Z 07:23:24.1	151.1	13.8						
		WERD	e PKPbc	Z 07:23:24.3	151.1	15.2						
		TANN	e PKPbc	Z 07:23:24.6	151.1	15.5						
			e pPKPbc	Z 07:24:07.9								
		GUNZ	e PKPbc	Z 07:23:24.5	151.2	15.3						
		WERN	e PKPbc	Z 07:23:25.0	151.3	15.4						
		MANZ	e PKPbc	Z 07:23:25.8	151.6	15.1						
		ROTZ	e PKPbc	Z 07:23:25.8	151.8	15.4						
		TNS	e PKPbc	Z 07:23:26.1	151.8	7.9						

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GRA1	e	PKPbc	Z	07:23:26.5	152.0	13.5
GEC2	e	PKPbc	Z	07:23:27.3	152.4	18.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/28	08:01:56.5	46.564N	155.573E	33.0N	5.7	4.8		SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 08:13:28.6	74.0	26.0	1.0	144	5.9		
BSEG	e P	Z 08:13:35.8	75.3	23.9	1.1	47	5.5		
RUE	e P	Z 08:13:38.5	75.7	26.0	0.8	76	5.9		
NRDL	e P	Z 08:13:42.9	76.6	23.6	1.2	54	5.6		
CLL	e P	Z 08:13:45.2	77.0	25.4	1.1	116	5.9		
BRG	e P	Z 08:13:46.2	77.1	26.0	1.2	51	5.5		
CLZ	e P	Z 08:13:47.2	77.2	23.7	1.4	173	6.0		
FBE	e P	Z 08:13:47.0	77.2	25.6	1.2	100	5.8		
TANN	e P	Z 08:13:51.2	77.9	25.0	1.8	105	5.7		
WERD	e P	Z 08:13:51.2	77.9	24.9	1.5	104	5.7		
MOX	e P	Z 08:13:51.2	77.9	24.4	1.3	95	5.8		
GUNZ	e P	Z 08:13:51.7	78.0	24.9	1.2	67	5.6		
WERN	e P	Z 08:13:52.0	78.1	24.9	1.0	65	5.7		
UBBA	e P	Z 08:13:52.6	78.2	23.4	1.5	79	5.5		
BUG	e P	Z 08:13:52.9	78.3	21.7	1.4	103	5.7		
MANZ	e P	Z 08:13:53.9	78.4	24.7	1.1	53	5.5		
ROTZ	e P	Z 08:13:55.2	78.6	24.7	1.1	84	5.7		
GRA1	e P	Z 08:13:57.1	78.9	24.1	1.2	162	5.9		
	e L	Z 08:52:17.6			22.0	468		4.8	
WET	e P	Z 08:13:57.3	79.0	25.1	1.1	99	5.7		
GEC2	e P	Z 08:13:57.0	79.0	25.6	0.9	35	5.4		
TNS	e P	Z 08:13:57.9	79.1	22.3	0.9	61	5.6		
WLF	e P	Z 08:14:04.3	80.2	20.8	1.4	90	5.6		
STU	e P	Z 08:14:04.1	80.3	22.7	1.2	113	5.8		
FUR	e P	Z 08:14:04.4	80.3	24.0	1.1	132	5.9		
BFO	e P	Z 08:14:07.3	80.9	22.1	1.2	127	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/28	10:04:10.9	33.809N	141.570E	33.0G	5.2			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:16:46.5	85.6	39.4	1.5	27	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2006/11/28 10:17:41.7
Santa Cruz Islands

11.600S 166.500E 175.0

NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 10:36:44.8	136.8	36.8					

Date Origin Time
2006/11/28 16:46:35.2
Kuril Islands, Russia

Lat Long Depth mb Ms
48.208N 153.266E 33.0N 4.8

ML Source
SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:58:23.9	76.8	24.9	1.0	7	4.8		

Date Origin Time
2006/11/28 20:25:12.1
Alaska Peninsula, United States

Lat Long Depth mb Ms
54.840N 161.250W 33.0N 5.1

ML Source
SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z 20:36:37.0	72.4	354.8	1.1	18	5.1		
RUE	e P	Z 20:36:39.0	72.6	357.0	1.0	18	5.1		
CLZ	e P	Z 20:36:42.1	73.1	355.0	1.2	32	5.3		
BUG	e P	Z 20:36:42.7	73.3	353.1	1.3	46	5.4		
CLL	e P	Z 20:36:45.0	73.7	356.6	1.1	17	5.0		
FBE	e P	Z 20:36:47.8	74.1	356.8	1.1	23	5.1		
BRG	e P	Z 20:36:47.6	74.2	357.1	1.4	26	5.1		
MOX	e P	Z 20:36:48.9	74.3	355.7	1.1	21	5.1		
WERN	e P	Z 20:36:51.1	74.7	356.2	1.3	15	4.9		
ROTZ	e P	Z 20:36:54.2	75.2	356.1	1.3	18	5.0		
GRA1	e P	Z 20:36:54.4	75.3	355.5	1.0	14	5.1		
WET	e P	Z 20:36:57.6	75.9	356.5	1.4	16	5.0		
GEC2	e P	Z 20:36:59.9	76.2	357.0	1.2	14	4.9		
BFO	e P	Z 20:37:00.9	76.5	353.8	2.5	92	5.5		

Date Origin Time
2006/11/28 20:34:26.0
Rat Islands, Aleutian Islands, United States

Lat Long Depth mb Ms
51.200N 178.333E 33.0N 4.8

ML Source
SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:46:24.3	78.5	8.2	0.9	10	4.8		

Date Origin Time Lat Long Depth mb Ms ML Source

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2006/11/28 21:15: 1.9 46.025N 153.744E 33.0N 5.1 SZGRF
Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:27:02.4	78.9	25.5	1.0	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/28	23:32:22.9	5.600S	151.200E	33.0				GSRC

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 23:51:16.3	122.2	47.9					
BRG	e PKPdf	Z 23:51:16.4	122.5	53.2					
FBE	e PKPdf	Z 23:51:17.1	122.7	52.6					
TANN	e PKPdf	Z 23:51:18.3	123.5	51.9					
WERN	e PKPdf	Z 23:51:18.8	123.6	51.9					
MANZ	e PKPdf	Z 23:51:19.6	123.9	51.8					
GRA1	e PKPdf	Z 23:51:20.6	124.6	51.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	01:32:18.5	2.549N	128.297E	39G		6.1		NEIC

Halmahera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z 01:46:13.0	103.1	69.1					
CLL	e Pdiff	Z 01:46:14.9	103.5	68.3	1.3	12			
	e pPdiff	Z 01:46:27.0							
	e PP	Z 01:50:32.0							
	e	01:51:03.1							
	e Sdiff	N 01:58:01.8							
	e PS	N 01:59:52.5							
	e PPS	E 02:00:36.5							
	e SS	N 02:05:20.8							
	e SSS	E 02:09:09.8							
	e L	Z 02:43:01.7			20.0	5078		6.1	
CLZ	e Pdiff	Z 01:46:22.7	104.8	65.9					
GRA1	e Pdiff	Z 01:46:19.6	105.2	67.2					
	e L	Z 02:38:07.0			21.5	4773			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	04:44:45.9	47.689N	152.500E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	+ Z	04:56:23.9	75.1	26.9	0.8	23	5.4		
BRG	i P	+ Z	04:56:24.9	75.2	27.4					
CLZ	i P	+ Z	04:56:26.0	75.3	25.3	0.7	13	5.1		
FBE	i P	+ Z	04:56:25.8	75.3	27.1					
WERD	i P	+ Z	04:56:30.0	76.1	26.4					
MOX	i P	+ Z	04:56:29.9	76.1	25.9					
GUNZ	i P	+ Z	04:56:30.5	76.1	26.4	0.8	12	5.1		
WERN	i P	+ Z	04:56:31.1	76.2	26.4					
MANZ	i P	+ Z	04:56:32.8	76.5	26.2					
ROTZ	i P	+ Z	04:56:33.9	76.7	26.2					
GRA1	i P	+ Z	04:56:36.1	77.0	25.6	0.7	27	5.5		
WET	i P	+ Z	04:56:36.2	77.1	26.6	0.8	13	5.1		
GEC2	i P	+ Z	04:56:35.7	77.1	27.1					
TNS	i P	+ Z	04:56:37.0	77.3	23.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	15:38:49.9	54.010N	34.560W	13.1	5.5	5.3		SZGRF

Reykjanes Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e P	Z	15:44:15.7	25.1	292.5	1.6	245	5.7		
TNS	e P	Z	15:44:26.7	26.3	295.1	1.6	129	5.3		
CLZ	e P	Z	15:44:30.9	26.7	292.6	1.5	181	5.6		
BFO	e P	Z	15:44:33.3	27.0	298.4	1.6	174	5.5		
STU	e P	Z	15:44:36.0	27.3	297.8					
MOX	e P	Z	15:44:41.4	27.9	295.1	2.3	226	5.6		
GRA1	e P	Z	15:44:43.3	28.1	296.6	1.8	222	5.7		
	e pP	Z	15:44:46.7							
	e L	Z	15:55:14.7			18.6	6903		5.3	
CLL	e P	Z	15:44:45.6	28.4	294.4	1.4	102	5.5		
MANZ	e P	Z	15:44:46.5	28.5	296.3					
TANN	e P	Z	15:44:46.5	28.5	295.7	1.5	119	5.5		
ROTZ	e P	Z	15:44:48.1	28.6	296.7	1.9	143	5.5		
FUR	e P	Z	15:44:49.8	28.8	299.1	1.4	161	5.7		
BRG	e P	Z	15:44:52.1	29.1	295.4	2.1	162	5.5		
WET	e P	Z	15:44:53.8	29.3	297.8	1.5	75	5.3		
GEC2	e P	Z	15:44:59.4	29.9	298.5	1.6	116	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	17:26:15.0	49.112N	151.341E	33.0N	5.5			SZGRF

Northwest of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	17:37:44.2	73.5	27.0					

CLZ	e P	Z	17:37:46.4	73.7	25.4					
GRA1	e P	Z	17:37:56.0	75.4	25.7	2.0	81	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	18:59:54.3	45.424N	152.280E	33.0N	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e P	Z 19:11:41.5	76.8	26.2					
CLL	e P	Z 19:11:43.1	77.1	28.0					
BRG	e P	Z 19:11:45.6	77.2	28.6					
CLZ	e P	Z 19:11:44.3	77.4	26.3					
WET	e P	Z 19:11:55.6	79.0	27.7					
GRA1	e P	Z 19:11:55.6	79.0	26.7	0.7	9	4.9		
TNS	e P	Z 19:11:56.4	79.3	24.9					
FUR	e P	Z 19:12:04.1	80.4	26.6					
WLF	e P	Z 19:12:02.8	80.5	23.4					
BFO	e P	Z 19:12:05.9	81.1	24.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	22:25:29.3	46.995N	151.229E	33.0N	5.2			SZGRF

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:37:21.0	77.3	26.7	1.0	18	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:12:59.7			0.7	5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/29	23:07:21.6	24.800S	177.710W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z 23:27:04.6	150.3	14.8					
	e PKPbc	Z 23:27:09.9							
CLL	e PKPdf	Z 23:27:06.6	152.2	21.2					
	e PKPbc	Z 23:27:14.1			0.8	61			

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	e	PKPab	Z	23:27:26.0					
	e	pPKPbc	Z	23:29:15.6					
CLZ	e	PKPdf	Z	23:27:07.3	152.3	15.9			
	e	PKPbc	Z	23:27:14.4					
MOX	e	PKPdf	Z	23:27:08.0	153.2	19.0			
	e	PKPbc	Z	23:27:16.1					
TANN	e	PKPbc	Z	23:27:16.0	153.2	20.8			
MANZ	e	PKPdf	Z	23:27:08.9	153.7	20.4			
	e	PKPbc	Z	23:27:17.0					
TNS	e	PKPdf	Z	23:27:10.3	154.1	12.9			
	e	PKPbc	Z	23:27:18.5					
GRA1	e	PKPdf	Z	23:27:09.7	154.2	18.9			
	e	PKPbc	Z	23:27:18.0					
WET	e	PKPdf	Z	23:27:09.8	154.3	22.6			
WLF	e	PKPdf	Z	23:27:12.3	155.0	8.3			
	e	PKPbc	Z	23:27:21.4					
STU	e	PKPdf	Z	23:27:11.6	155.4	15.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/30	01:39:59.0	49.500N	154.500E	33.0N	5.1			SZGRF
Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z 01:51:34.3	74.0	24.9	1.2	34	5.2		
CLZ	e P	Z 01:51:36.4	74.2	23.3	1.2	28	5.2		
FBE	e P	Z 01:51:36.1	74.2	25.0	1.1	18	5.0		
MOX	e P	Z 01:51:40.3	75.0	23.9	1.4	20	5.1		
WERD	e P	Z 01:51:40.3	75.0	24.3	1.3	12	4.9		
GUNZ	e P	Z 01:51:40.9	75.0	24.4	0.9	10	5.0		
WERN	e P	Z 01:51:41.2	75.1	24.4	1.0	17	5.1		
BUG	e P	Z 01:51:42.2	75.3	21.3	1.4	37	5.3		
MANZ	e P	Z 01:51:43.1	75.4	24.2	1.1	13	5.0		
ROTZ	e P	Z 01:51:44.4	75.6	24.2	1.0	13	5.0		
GRA1	e P	Z 01:51:46.3	75.9	23.6	0.9	24	5.3		
WET	e P	Z 01:51:46.6	76.0	24.6	1.2	23	5.2		
GEC2	e P	Z 01:51:46.3	76.0	25.0	0.8	8	4.9		
TNS	e P	Z 01:51:47.2	76.1	21.9	0.8	11	5.1		
FUR	e P	Z 01:51:53.8	77.3	23.5	0.9	23	5.3		
BFO	e P	Z 01:51:56.8	77.9	21.7	1.4	23	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2006/11/30	02:45: 3.5	50.501N	158.592E	33.0N	4.8			SZGRF
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 02:56:47.8 76.0 20.7 0.9 7 4.8

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/30 06:24:40.6 17.987N 60.964W 33.0N 4.9
Leeward Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 06:35:17.3 64.9 268.6 1.9 16 4.9

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/30 07:04:14.1 19.770S 177.030W 33.0N
Fiji Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
CLZ e PKPbc Z 07:23:54.3 147.4 13.0
CLL e PKPbc Z 07:23:54.3 147.5 17.8
BRG e PKPbc Z 07:23:55.0 147.7 19.6
FBE e PKPbc Z 07:23:55.4 147.8 18.6
MOX e PKPbc Z 07:23:56.7 148.4 15.7
WERD e PKPbc Z 07:23:57.1 148.4 17.0
TANN e PKPbc Z 07:23:57.1 148.4 17.2
GUNZ e PKPbc Z 07:23:57.5 148.5 17.0
MANZ e PKPbc Z 07:23:58.6 148.9 16.8
ROTZ e PKPbc Z 07:23:58.8 149.1 17.1
GEC2 e PKPbc Z 07:24:00.4 149.7 20.3

Date Origin Time Lat Long Depth mb Ms ML Source
2006/11/30 11:33:23.3 21.300S 174.600W 80.0
Tonga Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
CLZ e PKP Z 11:53:03.2 149.2 9.1
CLL e PKPdf Z 11:53:03.4
e PKPbc Z 11:53:08.3 1.3 173
e PKPab Z 11:53:14.5
e PP Z 11:56:53.9
e SKSP Z 12:07:03.1
e SS E 12:16:00.4
e SSS E 12:21:43.5
e (SSSS) E 12:25:42.3
e L Z 13:06:58.4 20.0 3976 6.2
BRG e PKP Z 11:53:04.0 149.7 15.9
FBE e PKP Z 11:53:04.0 149.7 14.8

BUG	e	PKP	Z	11:53:04.3	149.8	3.5
UBBA	e	PKP	Z	11:53:04.6	150.3	8.7
WERD	e	PKP	Z	11:53:04.9	150.3	13.1
GUNZ	e	PKP	Z	11:53:05.4	150.4	13.2
WERN	e	PKP	Z	11:53:05.5	150.5	13.3
MANZ	e	PKP	Z	11:53:05.6	150.8	12.9
GRA1	e	PKP	Z	11:53:06.0	151.2	11.3
WET	e	PKP	Z	11:53:06.6	151.5	14.7
WLF	e	PKP	Z	11:53:07.5	151.6	1.5
GEC2	e	PKP	Z	11:53:07.0	151.7	16.5
FUR	e	PKP	Z	11:53:08.4	152.7	12.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/30 15:15:19.5 47.094N 155.405E 33.0N 4.9
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:27:17.1	78.4	24.0	1.0	13	4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2006/11/30 21:20:13.2 53.900S 133.500W 10.0 6.1
 Pacific-Antarctic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 21:40:12.2	158.0	245.4					
	e L	Z 22:44:48.6			20.8	3278		6.1	
CLL	e PKPdf	Z 21:40:14.4	159.6	249.5					
	e PKPab	Z 21:40:51.0			1.5	52			
	e PP	Z 21:44:32.2							
	e SKKSac	E 21:51:21.8							
	e SKSP	Z 21:54:57.7							
	e PPS	E 21:57:56.6							
	e SS	N 22:04:47.7							
	e SSS	E 22:11:12.9							
	e SSSS	N 22:15:04.5							
	e LR	Z 22:36:00.5							
	e L	Z 22:46:54.7			22.0	4994		6.3	

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

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

EPICENTER LINES:

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

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

COMMENT LINE:

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

REGION LINE:

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

PHASE LINE:

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

mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude