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

(produced by SZGRF/BGR - ERLANGEN)

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

(Format desciption at the end of the bulletin)

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	00:52:57.7	7.886N	92.120E	36.4	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:04:44.0	76.4	94.2					
GEC2	e P	Z	01:04:44.3	76.5	93.5					
WET	e P	Z	01:04:47.3	77.0	92.9					
CLL	e P	Z	01:04:46.9	77.1	93.5					
GRA1	e P	Z	01:04:53.9	78.1	91.8	0.8	4	4.5		
	e pP	Z	01:05:04.4							
CLZ	e P	Z	01:04:56.5	78.7	91.6					
BSEG	e P	Z	01:04:57.2	78.8	92.0					
STU	e P	Z	01:05:00.4	79.4	90.1					
BFO	e P	Z	01:05:03.4	80.0	89.3					
WLF	e P	Z	01:05:11.8	81.4	87.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	01:42:27.6	7.723N	93.961E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:54:21.2	77.7	92.8					
GEC2	e P	Z	01:54:21.6	77.8	92.2	1.3	32	5.3		
CLL	e P	Z	01:54:24.1	78.3	92.2					
WET	e P	Z	01:54:24.6	78.3	91.7					
MOX	e P	Z	01:54:29.1	79.2	91.0					
FUR	e P	Z	01:54:29.9	79.4	90.3					
GRA1	e P	Z	01:54:31.0	79.4	90.5	1.4	46	5.3		

CLZ	e P	Z	01:54:33.5	80.0	90.2	1.6	37	5.1	
BSEG	e P	Z	01:54:34.0	80.0	90.6				
STU	e P	Z	01:54:39.1	80.8	88.8				
BFO	e P	Z	01:54:40.2	81.3	88.1	1.2	12	4.8	
BUG	e P	Z	01:54:43.7	81.9	87.7				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	01:43:55.6	10.114N	91.863E	33.0N	4.8			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:55:31.4	74.6	92.9					
GEC2	e P	Z	01:55:31.5	74.6	92.2	0.8	6	4.7		
CLL	e P	Z	01:55:34.6	75.2	92.3					
WET	e P	Z	01:55:34.6	75.2	91.6					
MOX	e P	Z	01:55:39.4	76.0	91.0					
GRA1	e P	Z	01:55:41.4	76.3	90.5	0.7	9	5.0		
	e		01:55:51.7							
CLZ	e P	Z	01:55:43.9	76.8	90.4	0.8	6	4.8		
BSEG	e P	Z	01:55:44.3	76.9	90.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	01:55:26.8	1.801N	95.374E	25.6	5.5			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	02:07:49.7	83.2	95.1	1.3	63	5.7		
BRG	e P	Z	02:07:49.5	83.2	95.5					
WET	e P	Z	02:07:52.4	83.7	94.5					
CLL	e P	Z	02:07:52.6	83.8	94.8					
MOX	e P	Z	02:07:56.8	84.7	93.7					
GRA1	e P	Z	02:07:58.5	84.8	93.3	1.3	56	5.6		
	e pP	Z	02:08:05.9							
CLZ	e P	Z	02:08:01.3	85.5	92.8	1.3	39	5.5		
BSEG	e P	Z	02:08:01.9	85.6	92.9					
STU	e P	Z	02:08:04.6	86.1	91.7					
BFO	e P	Z	02:08:06.9	86.7	91.0	0.8	11	5.0		
BUG	e P	Z	02:08:11.0	87.4	90.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	04:03: 9.2	5.280N	94.470E	47.6	6.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:15:16.1	79.9	94.0	1.5	192	5.8		
GEC2	e P	Z	04:15:16.4	80.0	93.5	1.4	279	6.0		
WET	e P	Z	04:15:19.3	80.5	92.9	1.4	165	5.9		
CLL	e P	Z	04:15:18.9	80.6	93.4	1.3	107	5.7		
MOX	e P	Z	04:15:23.8	81.4	92.2	1.8	214	5.9		
FUR	e P	Z	04:15:24.2	81.5	91.5	1.7	291	6.1		
GRA1	e P	Z	04:15:25.4	81.6	91.7	1.3	196	6.1		
	e pP	Z	04:15:39.2							
CLZ	e P	Z	04:15:28.0	82.2	91.4	1.2	131	5.9		
BSEG	e P	Z	04:15:28.5	82.3	91.6	1.2	196	6.1		
STU	e P	Z	04:15:31.6	82.9	90.1	2.1	320	6.2		
BFO	e P	Z	04:15:34.3	83.5	89.4	1.2	78	5.8		
IBBN	e P	Z	04:15:36.5	83.8	89.4					
BUG	e P	Z	04:15:38.0	84.1	88.9					
WLF	e P	Z	04:15:42.3	84.9	87.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	04:29: 1.8	1.279N	96.600E	37.6	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	04:41:31.2	84.4	94.5					
WET	e P	Z	04:41:33.8	84.9	93.9					
CLL	e P	Z	04:41:34.2	85.0	94.2					
MOX	e P	Z	04:41:38.3	85.8	93.1					
GRA1	e P	Z	04:41:39.4	86.0	92.7	0.9	10	5.0		
	e pP	Z	04:41:50.4							
CLZ	e P	Z	04:41:42.6	86.7	92.2					
BSEG	e P	Z	04:41:43.0	86.8	92.3					
BFO	e P	Z	04:41:48.6	87.9	90.4					
IBBN	e P	Z	04:41:50.4	88.3	90.1					
BUG	e P	Z	04:41:52.0	88.6	89.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	06:25:42.9	4.460N	92.950E	33.0N	6.1	6.5		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	06:37:47.5	79.6	95.2	1.3	574	6.3		
BRG	e P	Z	06:37:47.7	79.6	95.7	1.4	342	6.1		
WET	e P	Z	06:37:50.6	80.1	94.6	1.4	309	6.0		
CLL	e P	Z	06:37:50.5	80.2	95.1	1.3	186	5.9		
MOX	e P	Z	06:37:55.4	81.1	93.9	1.3	212	6.0		
FUR	e P	Z	06:37:55.3	81.1	93.2	1.3	353	6.2		

GRA1	e P	Z	06:37:56.9	81.3	93.4	1.4	417	6.3	
	e S	E	06:47:58.5						
	e L	Z	07:20:37.6			19.7	23059		6.5
CLZ	e P	Z	06:37:59.7	81.9	93.1	1.3	240	6.2	
BSEG	e P	Z	06:38:00.6	82.1	93.3	1.3	277	6.2	
STU	e P	Z	06:38:03.1	82.5	91.8				
BFO	e P	Z	06:38:05.7	83.1	91.0	1.3	114	5.9	
IBBN	e P	Z	06:38:08.4	83.5	91.1				
BUG	e P	Z	06:38:09.7	83.8	90.6				
WLF	e P	Z	06:38:13.8	84.5	89.5				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	06:34:48.3	8.626N	92.780E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:46:33.8	76.3	93.2					
GEC2	e P	Z	06:46:33.6	76.3	92.5					
WET	e P	Z	06:46:37.4	76.9	91.9					
GRA1	e P	Z	06:46:43.7	78.0	90.8	1.1	19	5.1		
CLZ	e P	Z	06:46:46.3	78.5	90.6	0.9	6	4.7		
BSEG	e P	Z	06:46:46.6	78.6	91.0					
IBBN	e P	Z	06:46:55.2	80.1	88.6					
BUG	e P	Z	06:46:57.0	80.5	88.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	08:50:39.2	8.141N	93.858E	30.9	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:02:30.7	77.3	92.6					
GEC2	e P	Z	09:02:31.1	77.4	92.0	0.9	5	4.6		
CLL	e P	Z	09:02:33.6	77.9	92.0					
WET	e P	Z	09:02:33.9	78.0	91.5					
GRA1	e P	Z	09:02:40.5	79.0	90.3	1.0	8	4.7		
	e pP	Z	09:02:49.4							
CLZ	e P	Z	09:02:43.0	79.6	90.0	0.9	7	4.6		
BSEG	e P	Z	09:02:43.1	79.6	90.4					
BFO	e P	Z	09:02:50.2	81.0	87.9	0.9	2	4.2		
IBBN	e P	Z	09:02:51.6	81.2	88.1					
BUG	e P	Z	09:02:53.7	81.5	87.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

2005/01/01 10:15:13.7 2.556N 95.647E 33.0N 5.0 SZGRF
Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	10:27:34.5	82.8	94.4	1.0	15	5.2		
BRG	e P	Z	10:27:34.1	82.8	94.8					
WET	e P	Z	10:27:37.3	83.3	93.8					
CLL	e P	Z	10:27:37.9	83.4	94.2					
GRA1	e P	Z	10:27:43.4	84.4	92.6	1.0	14	5.1		
CLZ	e P	Z	10:27:46.0	85.1	92.1	1.1	13	5.0		
BSEG	e P	Z	10:27:46.6	85.2	92.3					
BFO	e P	Z	10:27:52.1	86.3	90.3	0.8	6	4.7		
IBBN	e P	Z	10:27:54.3	86.7	90.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	11:53:14.9	10.315N	91.031E	25.7	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:04:46.4	73.9	93.4					
GEC2	e P	Z	12:04:46.9	73.9	92.7	1.0	11	4.8		
WET	e P	Z	12:04:50.1	74.5	92.1					
CLL	e P	Z	12:04:49.6	74.5	92.8					
MOX	e P	Z	12:04:54.8	75.3	91.6					
FUR	e P	Z	12:04:55.6	75.5	90.6					
GRA1	e P	Z	12:04:56.8	75.6	91.0	0.9	14	5.1		
	e pP	Z	12:05:04.1							
CLZ	e P	Z	12:04:59.4	76.1	90.9	1.0	15	5.1		
BSEG	e P	Z	12:04:59.9	76.2	91.4					
STU	e P	Z	12:05:03.7	76.9	89.2					
BFO	e P	Z	12:05:07.1	77.5	88.5	1.1	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	14:29:25.6	9.095N	90.673E	33.0G	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	14:41:01.5	74.6	94.5					
GEC2	e P	Z	14:41:01.9	74.6	93.8	0.9	9	4.8		
WET	e P	Z	14:41:05.0	75.2	93.2					
CLL	e P	Z	14:41:04.4	75.2	93.9					
MOX	e P	Z	14:41:09.5	76.0	92.6					
FUR	e P	Z	14:41:10.3	76.2	91.8					
GRA1	e P	Z	14:41:11.4	76.3	92.1	1.6	32	5.2		
	e		14:41:26.2							

CLZ	e P	Z	14:41:14.1	76.9	92.0	
BSEG	e P	Z	14:41:15.5	77.0	92.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	16:02:58.7	6.059N	94.615E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	16:15:01.9	79.4	93.4					
GEC2	e P	Z	16:15:02.1	79.5	92.8	0.9	9	4.8		
WET	e P	Z	16:15:05.2	80.0	92.3					
CLL	e P	Z	16:15:04.7	80.0	92.7					
MOX	e P	Z	16:15:09.7	80.9	91.6					
GRA1	e P	Z	16:15:11.1	81.1	91.1	1.5	24	5.0		
CLZ	e P	Z	16:15:13.9	81.7	90.8	0.7	5	4.7		
BSEG	e P	Z	16:15:14.4	81.8	91.0					
STU	e P	Z	16:15:18.0	82.4	89.4					
BUG	e P	Z	16:15:24.1	83.6	88.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	19:08: 3.4	6.720N	94.300E	33.0N	5.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:20:02.8	78.7	93.2					
GEC2	e P	Z	19:20:03.2	78.8	92.6	1.1	116	5.8		
WET	e P	Z	19:20:06.2	79.3	92.1					
CLL	e P	Z	19:20:05.7	79.3	92.6					
MOX	e P	Z	19:20:10.7	80.2	91.4					
FUR	e P	Z	19:20:11.4	80.4	90.7					
GRA1	e P	Z	19:20:12.5	80.4	90.9	1.1	117	5.7		
CLZ	e P	Z	19:20:14.9	81.0	90.6	1.1	89	5.7		
BSEG	e P	Z	19:20:15.4	81.0	90.9					
STU	e P	Z	19:20:18.9	81.7	89.2					
BFO	e P	Z	19:20:21.7	82.3	88.5	1.3	71	5.6		
IBBN	e P	Z	19:20:23.6	82.6	88.6					
BUG	e P	Z	19:20:25.2	82.9	88.1					
WLF	e P	Z	19:20:29.7	83.7	87.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	22:23:12.5	6.083N	93.027E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:35:09.6	78.4	94.6					
GEC2	e P	Z	22:35:09.8	78.4	94.0	0.8	8	4.9		
WET	e P	Z	22:35:12.9	79.0	93.5					
CLL	e P	Z	22:35:12.6	79.0	94.0					
MOX	e P	Z	22:35:17.5	79.9	92.8					
GRA1	e P	Z	22:35:19.4	80.1	92.3	0.7	12	4.9		
CLZ	e P	Z	22:35:22.4	80.7	92.0	0.8	6	4.7		
BSEG	e P	Z	22:35:22.7	80.8	92.3					
BFO	e P	Z	22:35:28.6	81.9	89.9	0.8	3	4.5		
BUG	e P	Z	22:35:32.4	82.6	89.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/01	22:28: 3.1	4.589N	93.917E	33.0N	5.6			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	22:40:09.5	80.1	94.4	1.0	57	5.4		
BRG	e P	Z	22:40:09.3	80.1	94.9					
WET	e P	Z	22:40:12.6	80.7	93.8					
CLL	e P	Z	22:40:12.7	80.7	94.2					
MOX	e P	Z	22:40:17.2	81.6	93.0					
FUR	e P	Z	22:40:17.7	81.7	92.4					
GRA1	e P	Z	22:40:19.1	81.8	92.6	1.0	80	5.8		
CLZ	e P	Z	22:40:21.7	82.4	92.2	1.0	48	5.6		
BSEG	e P	Z	22:40:22.4	82.5	92.5					
STU	e P	Z	22:40:25.3	83.1	90.9					
BFO	e P	Z	22:40:28.3	83.6	90.2	1.2	35	5.5		
WLF	e P	Z	22:40:35.3	85.1	88.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	00:24:58.7	59.020N	115.820E	13.9	5.2			SZGRF

East of Lake Baykal, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	00:34:16.5	53.3	38.9					
CLL	e P	Z	00:34:16.0	53.3	38.8					
MOX	e P	Z	00:34:24.4	54.4	37.9					
GEC2	e P	Z	00:34:28.4	54.9	37.9	1.0	17	5.0		
WET	e P	Z	00:34:29.5	55.0	37.7	1.0	24	5.2		
GRA1	e P	Z	00:34:31.1	55.3	37.3	1.7	76	5.5		
	e pP	Z	00:34:35.0							
BUG	e P	Z	00:34:31.8	55.4	36.4					
FUR	e P	Z	00:34:39.7	56.5	36.7					
STU	e P	Z	00:34:41.6	56.8	36.1					

WLF	e P	Z	00:34:45.1	57.2	35.2
BFO	e P	Z	00:34:46.2	57.5	35.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	04:01:34.8	6.124N	96.131E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:13:43.1	80.3	92.2					
GEC2	e P	Z	04:13:43.6	80.4	91.7					
CLL	e P	Z	04:13:46.1	80.9	91.5					
WET	e P	Z	04:13:46.2	81.0	91.1					
MOX	e P	Z	04:13:50.5	81.8	90.3					
GRA1	e P	Z	04:13:52.2	82.0	89.9	0.8	5	4.7		
CLZ	e P	Z	04:13:54.9	82.6	89.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	08:27:46.8	2.850N	94.830E	54.4	5.9	5.6		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	08:40:04.0	82.0	94.8	1.9	204	5.9		
	e pP	Z	08:40:19.5							
BRG	e P	Z	08:40:04.1	82.0	95.3					
WET	e P	Z	08:40:06.7	82.6	94.2					
CLL	e P	Z	08:40:06.5	82.7	94.6					
MOX	e P	Z	08:40:11.4	83.5	93.4					
FUR	e P	Z	08:40:11.4	83.6	92.9					
GRA1	e P	Z	08:40:12.7	83.7	93.0	2.1	228	6.0		
	e S	N	08:50:44.8							
	e L	Z	09:24:49.3			19.2	2432		5.6	
CLZ	e P	Z	08:40:15.6	84.3	92.6	2.2	218	6.0		
BSEG	e P	Z	08:40:16.2	84.5	92.8					
STU	e P	Z	08:40:18.7	85.0	91.4					
BFO	e P	Z	08:40:21.3	85.5	90.7	2.1	101	5.6		
IBBN	e P	Z	08:40:23.8	86.0	90.6					
BUG	e P	Z	08:40:25.3	86.3	90.1					
WLF	e P	Z	08:40:29.1	87.0	89.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	12:12: 8.4	5.060N	95.473E	33.0N	5.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:24:18.1	80.7	93.4					
GEC2	e P	Z	12:24:18.6	80.8	92.9	1.8	181	5.8		
WET	e P	Z	12:24:21.5	81.3	92.3					
CLL	e P	Z	12:24:21.1	81.3	92.7					
MOX	e P	Z	12:24:25.9	82.2	91.5					
FUR	e P	Z	12:24:26.8	82.4	90.9					
GRA1	e P	Z	12:24:27.7	82.4	91.1	1.8	175	5.9		
STU	e P	Z	12:24:33.7	83.7	89.5					
BFO	e P	Z	12:24:36.8	84.3	88.8	0.7	18	5.4		
BUG	e P	Z	12:24:40.4	84.9	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	15:35:51.9	5.570N	93.320E	33.0N	5.8	5.9		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	15:47:53.1	79.0	94.2	1.5	248	6.0		
BRG	e P	Z	15:47:52.9	79.0	94.7					
WET	e P	Z	15:47:55.5	79.5	93.6					
CLL	e P	Z	15:47:55.8	79.6	94.1					
MOX	e P	Z	15:48:00.8	80.4	92.9					
FUR	e P	Z	15:48:01.1	80.5	92.2					
GRA1	e P	Z	15:48:02.2	80.6	92.4	1.5	226	6.0		
	e S	N	15:58:05.1							
	e SS	E	16:03:23.5							
	e L	Z	16:28:38.5			20.5	5080		5.9	
CLZ	e P	Z	15:48:04.8	81.3	92.1	1.4	87	5.6		
BSEG	e P	Z	15:48:05.5	81.4	92.4					
STU	e P	Z	15:48:08.4	81.9	90.7					
BFO	e P	Z	15:48:11.4	82.5	90.0	1.5	65	5.6		
IBBN	e P	Z	15:48:13.7	82.9	90.1					
BUG	e P	Z	15:48:15.4	83.2	89.6					
WLF	e P	Z	15:48:19.2	83.9	88.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/02	19:35:16.8	3.890N	94.850E	33.0N	5.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:47:29.8	81.2	94.6					
GEC2	e P	Z	19:47:30.2	81.3	94.1	0.9	21	5.2		
WET	e P	Z	19:47:33.1	81.8	93.5					
MOX	e P	Z	19:47:37.4	82.7	92.8					
FUR	e P	Z	19:47:37.9	82.8	92.2					

GRA1	e P	Z	19:47:39.2	82.9	92.3	0.8	19	5.4
CLZ	e P	Z	19:47:41.8	83.5	91.9	1.0	33	5.5
BSEG	e P	Z	19:47:42.4	83.6	92.1			
BFO	e P	Z	19:47:48.1	84.8	90.0	0.9	10	5.1
BUG	e P	Z	19:47:51.8	85.5	89.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/03	17:00:20.0	50.397N	155.209E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	17:11:38.4	71.6	22.7	1.1	47	5.5		
CLL	i P	+ Z	17:11:48.1	73.4	24.1	0.9	78	5.7		
BRG	e P	Z	17:11:49.1	73.5	24.6	1.0	26	5.2		
CLZ	e P	Z	17:11:49.9	73.5	22.5	1.0	90	5.8		
IBBN	e P	Z	17:11:50.4	73.7	20.9					
MOX	e P	Z	17:11:54.1	74.3	23.1	1.0	44	5.4		
BUG	e P	Z	17:11:55.5	74.6	20.5					
GRA1	e P	Z	17:12:00.2	75.3	22.8	0.9	127	6.0		
WET	e P	Z	17:12:00.6	75.4	23.7	1.0	60	5.7		
GEC2	e P	Z	17:12:00.4	75.4	24.2	0.8	25	5.4		
STU	e P	Z	17:12:07.3	76.6	21.5	1.0	48	5.6		
FUR	e P	Z	17:12:07.8	76.7	22.7	1.0	71	5.7		
BFO	e P	Z	17:12:10.7	77.3	20.9	1.0	36	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/03	17:58:53.9			N				SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPab	Z	18:20:17.6			1.6	29			
BRG	e PKPab	Z	18:20:05.9							
CLL	e PKPab	Z	18:20:08.4							
CLZ	e PKPab	Z	18:20:16.1			1.2	29			
GEC2	e PKPab	Z	18:20:03.8			1.4	44			
GRA1	e PKPab	Z	18:20:12.2			1.2	51			
MOX	e PKPab	Z	18:20:11.8							
STU	e PKPab	Z	18:20:16.3							
WET	e PKPab	Z	18:20:06.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/03	19:59: 4.9	49.220N	155.816E	33.0N	5.1			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:10:31.0	72.8	22.8					
CLL	e P	Z	20:10:40.6	74.6	24.2	0.9	27	5.3		
BRG	e P	Z	20:10:41.4	74.7	24.7	1.0	10	4.8		
CLZ	e P	Z	20:10:41.9	74.7	22.6	1.0	35	5.4		
IBBN	e P	Z	20:10:42.6	74.9	21.0					
MOX	e P	Z	20:10:46.2	75.5	23.2	0.9	12	5.0		
BUG	e P	Z	20:10:48.1	75.8	20.6					
GRA1	e P	Z	20:10:52.1	76.5	22.9	0.9	40	5.5		
WET	e P	Z	20:10:52.6	76.6	23.9	1.0	20	5.2		
GEC2	e P	Z	20:10:52.5	76.7	24.3	0.9	11	5.0		
STU	e P	Z	20:10:59.5	77.9	21.6					
FUR	e P	Z	20:11:00.1	77.9	22.8					
BFO	e P	Z	20:11:02.6	78.5	21.0	1.2	15	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/03	21:44:22.2	37.256N	22.875E	33.0N				SZGRF

Southern Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	21:47:38.9	13.4	146.7	0.9	42			
FUR	e P	Z	21:47:43.9	13.8	137.9					
WET	e P	Z	21:47:44.9	13.9	144.9	1.0	62			
GRA1	e P	Z	21:47:57.4	15.0	141.6	1.0	178			
BRG	e P	Z	21:47:56.0	15.0	151.5	1.0	49			
BFO	e P	Z	21:47:58.7	15.3	130.9	1.4	59			
MOX	e P	Z	21:48:03.5	15.6	144.7	0.9	25			
CLL	e P	Z	21:48:04.0	15.7	149.7	1.0	68			
CLZ	e P	Z	21:48:20.0	17.0	144.0					
BUG	e P	Z	21:48:30.0	18.0	136.0					
IBBN	e P	Z	21:48:35.1	18.4	138.9					
BSEG	e P	Z	21:48:38.1	18.8	147.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPbc	Z	03:38:40.7							
	e PKPab	Z	03:38:46.9							
BRG	e PKPbc	Z	03:38:31.3							
BSEG	e PKPbc	Z	03:38:24.1							
CLL	e PKPbc	Z	03:38:30.5							
GEC2	e PKPbc	Z	03:38:36.5							
GRA1	e PKPbc	Z	03:38:36.2							

	e PKPab	Z	03:38:40.1	
MOX	e PKPbc	Z	03:38:33.3	
STU	e PKPbc	Z	03:38:39.5	
WET	e PKPbc	Z	03:38:36.8	
WLF	e PKPbc	Z	03:38:38.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	04:08:14.4							
CLL	e PKPbc	Z	04:08:13.6							
GEC2	e PKPbc	Z	04:08:19.7							
GRA1	e PKPbc	Z	04:08:19.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	04:18:20.9	6.890N	92.984E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:30:14.5	77.8	94.1					
GEC2	e P	Z	04:30:14.8	77.8	93.5	0.9	10	5.0		
WET	e P	Z	04:30:17.9	78.3	93.0					
CLL	e P	Z	04:30:17.7	78.4	93.5					
MOX	e P	Z	04:30:22.4	79.2	92.3					
GRA1	e P	Z	04:30:24.2	79.4	91.8	0.8	12	5.0		
CLZ	e P	Z	04:30:27.1	80.0	91.5	0.9	8	4.7		
BSEG	e P	Z	04:30:27.3	80.1	91.9					
STU	e P	Z	04:30:30.9	80.7	90.1					
BFO	e P	Z	04:30:33.7	81.3	89.4	0.7	4	4.5		
IBBN	e P	Z	04:30:36.0	81.6	89.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	09:13:16.4	11.160N	91.870E	24.4	6.0	5.9		SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:24:49.3	73.8	92.2					
GEC2	e P	Z	09:24:49.8	73.9	91.4	1.1	127	5.9		
CLL	e P	Z	09:24:52.4	74.4	91.6					
WET	e P	Z	09:24:53.0	74.4	90.9					
MOX	e P	Z	09:24:57.8	75.2	90.3					
FUR	e P	Z	09:24:58.5	75.5	89.4					

GRA1	e P	Z	09:24:59.6	75.5	89.8	1.2	214	6.1	
	e pP	Z	09:25:06.6						
	e S	N	09:34:38.0						
	e L	Z	10:03:51.8			19.8	6376		5.9
CLZ	e P	Z	09:25:02.2	76.0	89.7	1.2	168	6.1	
BSEG	e P	Z	09:25:02.6	76.0	90.2				
STU	e P	Z	09:25:08.0	76.8	88.0				
BFO	e P	Z	09:25:09.5	77.4	87.3	1.2	112	5.9	
IBBN	e P	Z	09:25:11.2	77.6	87.7				
BUG	e P	Z	09:25:13.0	77.9	87.2				
WLF	e P	Z	09:25:18.0	78.8	85.9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	09:58:55.2	2.729N	94.848E	32.7	5.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	10:11:12.6	82.1	94.9	1.1	47	5.5		
	e pP	Z	10:11:22.1							
BRG	e P	Z	10:11:12.5	82.2	95.4					
WET	e P	Z	10:11:15.5	82.7	94.3					
CLL	e P	Z	10:11:15.3	82.8	94.7					
MOX	e P	Z	10:11:19.9	83.6	93.5					
FUR	e P	Z	10:11:20.3	83.7	93.0					
GRA1	e P	Z	10:11:21.6	83.8	93.1	1.1	36	5.5		
CLZ	e P	Z	10:11:24.3	84.4	92.7	1.2	29	5.4		
BSEG	e P	Z	10:11:25.1	84.6	92.8					
BFO	e P	Z	10:11:30.3	85.6	90.8	1.3	17	5.0		
IBBN	e P	Z	10:11:32.6	86.1	90.6					
WLF	e P	Z	10:11:38.0	87.1	89.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	12:15:33.5	8.159N	93.057E	33.0N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:27:21.9	76.8	93.3					
GEC2	e P	Z	12:27:22.6	76.9	92.6	0.9	18	5.2		
WET	e P	Z	12:27:25.5	77.4	92.0					
MOX	e P	Z	12:27:30.1	78.3	91.4					
GRA1	e P	Z	12:27:31.9	78.5	90.9	1.1	25	5.2		
BSEG	e P	Z	12:27:35.0	79.1	91.0					
BFO	e P	Z	12:27:41.9	80.4	88.5	0.9	7	4.6		
IBBN	e P	Z	12:27:43.5	80.7	88.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	12:34: 2.2	3.998N	94.421E	33.0N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	12:46:13.1	80.9	94.4	0.9	10	4.9		
BRG	e P	Z	12:46:13.0	80.9	94.9					
WET	e P	Z	12:46:16.1	81.4	93.8					
CLL	e P	Z	12:46:15.8	81.5	94.2					
MOX	e P	Z	12:46:20.3	82.3	93.0					
GRA1	e P	Z	12:46:22.2	82.6	92.6	0.8	10	5.1		
BSEG	e P	Z	12:46:25.6	83.3	92.4					
BFO	e P	Z	12:46:31.1	84.4	90.3	0.9	2	4.4		
BUG	e P	Z	12:46:35.1	85.1	89.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	15:18:27.6	4.097N	93.945E	27.0	5.1			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	15:30:36.4	80.5	94.7	1.0	23	5.1		
	e sP	Z	15:30:47.6							
BRG	e P	Z	15:30:36.3	80.5	95.2					
	e pP	Z	15:30:44.1							
	e sP	Z	15:30:47.3							
WET	e P	Z	15:30:39.5	81.1	94.1					
CLL	e P	Z	15:30:39.2	81.1	94.5					
MOX	e P	Z	15:30:43.9	82.0	93.3					
GRA1	e P	Z	15:30:45.6	82.2	92.9	1.2	30	5.3		
CLZ	e P	Z	15:30:48.2	82.8	92.5	0.9	11	5.1		
STU	e P	Z	15:30:51.7	83.5	91.2					
BFO	e P	Z	15:30:54.3	84.0	90.5	0.8	8	5.0		
BUG	e P	Z	15:30:58.9	84.7	90.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	18:26:38.7	3.804N	94.978E	40.9	5.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:38:52.1	81.4	94.6					
	e sP	Z	18:39:09.0							
GEC2	i P	Z	18:38:52.4	81.4	94.1	0.9	113	5.9		
WET	e P	Z	18:38:55.3	82.0	93.5					

CLL	e P	Z	18:38:54.9	82.0	93.9			
MOX	e P	Z	18:38:59.7	82.9	92.7			
FUR	e P	Z	18:39:00.1	83.0	92.2			
GRA1	e P	Z	18:39:01.3	83.1	92.3	0.9	71	5.9
CLZ	e P	Z	18:39:03.9	83.7	91.9	0.9	64	5.9
BSEG	e P	Z	18:39:04.5	83.8	92.1			
STU	e P	Z	18:39:07.3	84.4	90.7			
BFO	e P	Z	18:39:10.1	84.9	90.0	0.9	34	5.6
IBBN	e P	Z	18:39:12.3	85.3	89.9			
BUG	e P	Z	18:39:13.8	85.6	89.4			
WLF	e P	Z	18:39:18.1	86.3	88.4			
	e pP	Z	18:39:29.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	19:07:59.4	4.094N	94.731E	33.0N	5.6			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:20:10.7	81.0	94.6					
GEC2	i P	Z	19:20:11.1	81.0	94.1	0.9	70	5.7		
WET	e P	Z	19:20:14.0	81.6	93.5					
CLL	e P	Z	19:20:13.6	81.6	93.9					
MOX	e P	Z	19:20:18.4	82.5	92.7					
FUR	e P	Z	19:20:18.7	82.6	92.1					
GRA1	e P	Z	19:20:20.1	82.7	92.3	0.9	53	5.8		
BSEG	e P	Z	19:20:23.2	83.4	92.1					
STU	e P	Z	19:20:26.1	84.0	90.7					
BFO	e P	Z	19:20:28.9	84.6	90.0	0.9	25	5.4		
IBBN	e P	Z	19:20:31.1	84.9	89.9					
BUG	e P	Z	19:20:32.6	85.2	89.4					
WLF	e P	Z	19:20:36.9	86.0	88.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	19:14:53.1	10.430N	91.260E	33.0N	5.5			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:26:25.9	73.9	93.2					
GEC2	e P	Z	19:26:26.2	74.0	92.4	1.4	64	5.5		
WET	e P	Z	19:26:29.5	74.5	91.9					
CLL	e P	Z	19:26:29.0	74.5	92.6					
MOX	e P	Z	19:26:34.3	75.4	91.3					
FUR	e P	Z	19:26:35.2	75.6	90.4					
GRA1	e P	Z	19:26:36.1	75.6	90.7	1.3	94	5.8		
CLZ	e P	Z	19:26:38.8	76.2	90.6	1.1	58	5.6		

BSEG	e P	Z	19:26:39.2	76.3	91.1				
STU	e P	Z	19:26:43.0	77.0	89.0				
BFO	e P	Z	19:26:46.1	77.5	88.2	1.1	25	5.2	
IBBN	e P	Z	19:26:47.9	77.8	88.7				
BUG	e P	Z	19:26:49.6	78.1	88.1				
WLF	e P	Z	19:26:54.6	78.9	86.9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/04	19:58: 6.7	9.388S	43.209E	33.4	4.9			SZGRF

Northwest of Madagascar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	20:08:35.7	63.8	147.2	0.9	8	5.0		
	e pP	Z	20:08:45.5							
WET	e P	Z	20:08:39.0	64.3	146.4					
GRA1	e P	Z	20:08:46.2	65.4	144.9	0.8	9	5.1		
	e pP	Z	20:08:55.2							
BRG	e P	Z	20:08:46.7	65.4	148.0					
BFO	e P	Z	20:08:46.9	65.4	141.6	0.9	4	4.6		
MOX	e P	Z	20:08:50.6	66.0	145.5					
CLL	e P	Z	20:08:51.9	66.1	147.1					
WLF	e P	Z	20:08:59.3	67.3	139.9					
BSEG	e P	Z	20:09:10.5	69.2	145.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	00:03: 8.0	21.270S	177.750W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	00:22:46.9	146.8	13.8					
IBBN	e PKPbc	Z	00:22:52.1	148.7	9.9					
	e PKPab	Z	00:22:55.4							
CLZ	e PKPbc	Z	00:22:52.2	148.8	14.7					
CLL	e PKPbc	Z	00:22:52.2	148.8	19.6					
BRG	e PKPbc	Z	00:22:53.0	149.0	21.5					
BUG	e PKPbc	Z	00:22:53.9	149.6	9.3					
GRA1	e PKPbc	Z	00:22:57.2	150.7	17.3					
	e PKPab	Z	00:23:04.1							
WET	e PKPbc	Z	00:22:57.2	150.9	20.7					
GEC2	e PKPbc	Z	00:22:57.6	151.0	22.4					
WLF	e PKPbc	Z	00:22:59.2	151.4	7.6					
	e PKPab	Z	00:23:07.2							
STU	e PKPbc	Z	00:23:00.0	151.9	13.9					
FUR	e PKPbc	Z	00:23:00.1	152.1	18.2					
	e PKPab	Z	00:23:10.0							

BFO	e PKPbc	Z	00:23:00.8	152.5	12.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	05:27:43.4	38.899N	49.012E	33.0N	4.8			SZGRF

Caspian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	05:33:22.8	27.0	98.2	0.8	5	4.3		
BRG	e P	Z	05:33:24.0	27.2	102.3					
CLL	e P	Z	05:33:29.7	27.9	102.2					
FUR	e P	Z	05:33:36.2	28.6	94.8					
MOX	e P	Z	05:33:36.9	28.6	99.6					
GRA1	e P	Z	05:33:38.4	28.8	97.5	1.6	25	4.8		
CLZ	e P	Z	05:33:45.0	29.6	100.5	0.7	14	4.9		
STU	e P	Z	05:33:48.5	30.0	94.1					
BSEG	e P	Z	05:33:48.1	30.1	104.0	0.9	36	5.2		
BUG	e P	Z	05:34:01.8	31.5	96.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	05:32:37.4	3.460N	93.910E	33.0N	5.7			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	05:44:49.5	81.0	95.1	1.5	140	5.9		
BRG	e P	Z	05:44:49.4	81.0	95.6					
WET	e P	Z	05:44:52.4	81.5	94.5					
CLL	e P	Z	05:44:52.2	81.6	95.0					
MOX	e P	Z	05:44:57.0	82.4	93.8					
FUR	e P	Z	05:44:57.0	82.5	93.2					
GRA1	e P	Z	05:44:58.5	82.6	93.3	1.4	88	5.8		
CLZ	e P	Z	05:45:01.3	83.3	92.9	1.5	70	5.7		
BSEG	e P	Z	05:45:02.1	83.4	93.1	1.6	91	5.8		
BFO	e P	Z	05:45:07.0	84.5	91.0	1.5	31	5.3		
IBBN	e P	Z	05:45:09.8	84.9	90.9					
BUG	e P	Z	05:45:11.0	85.2	90.5					
WLF	e P	Z	05:45:15.0	85.9	89.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	08:19:21.3							
CLL	e P	Z	08:19:37.5							

CLZ	e	P	Z	08:19:24.2
GEC2	e	P	Z	08:19:48.7
GRA1	e	P	Z	08:19:32.3
STU	e	P	Z	08:19:23.7
WLF	e	P	Z	08:19:03.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	08:32:52.9	10.886N	92.358E	33.0N	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 08:44:27.2	74.3	92.0					
GEC2	e	P	Z 08:44:28.0	74.4	91.3	1.0	27	5.2		
CLL	e	P	Z 08:44:30.2	74.9	91.4					
WET	e	P	Z 08:44:31.2	74.9	90.7					
MOX	e	P	Z 08:44:35.7	75.7	90.1					
FUR	e	P	Z 08:44:36.9	76.0	89.3					
GRA1	e	P	Z 08:44:37.2	76.0	89.6	1.0	22	5.3		
CLZ	e	P	Z 08:44:40.0	76.5	89.5	1.0	28	5.4		
BSEG	e	P	Z 08:44:40.1	76.5	89.9					
BFO	e	P	Z 08:44:47.8	77.9	87.1	1.1	15	5.0		
IBBN	e	P	Z 08:44:49.2	78.1	87.5					
BUG	e	P	Z 08:44:51.1	78.5	87.0					
WLF	e	P	Z 08:44:56.0	79.3	85.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	11:14:45.4	22.110S	177.650W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	PKPbc	Z 11:34:26.2	147.6	13.9					
IBBN	e	PKPbc	Z 11:34:31.4	149.5	9.9					
CLZ	e	PKPbc	Z 11:34:31.8	149.6	14.8					
CLL	e	PKPbc	Z 11:34:31.6	149.7	19.8					
	e	PKPab	Z 11:34:36.5							
BRG	e	PKPbc	Z 11:34:32.6	149.8	21.8					
BUG	e	PKPbc	Z 11:34:33.8	150.4	9.3					
GRA1	e	PKPbc	Z 11:34:36.6	151.5	17.4					
	e	PKPab	Z 11:34:45.1							
WET	e	PKPab	Z 11:34:45.6	151.7	20.9					
GEC2	e	PKPbc	Z 11:34:36.9	151.8	22.7					
	e	PKPab	Z 11:34:45.8							
WLF	e	PKPbc	Z 11:34:38.7	152.3	7.6					
FUR	e	PKPbc	Z 11:34:39.7	153.0	18.4					
	e	PKPab	Z 11:34:50.9							

BFO	e PKPbc	Z	11:34:40.4	153.3	12.4
	e PKPab	Z	11:34:52.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPbc	Z	12:19:13.6							
BRG	e PKPbc	Z	12:19:07.1							
GEC2	e PKPbc	Z	12:19:10.8							
GRA1	e PKPbc	Z	12:19:09.4							
WLF	e PKPbc	Z	12:19:09.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	12:31:33.1	5.588N	93.453E	33.0N	4.9			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:43:33.8	79.1	94.6					
GEC2	e P	Z	12:43:34.1	79.1	94.0	0.8	12	5.0		
WET	e P	Z	12:43:37.1	79.6	93.5					
CLL	e P	Z	12:43:36.8	79.7	94.0					
MOX	e P	Z	12:43:41.6	80.5	92.8					
GRA1	e P	Z	12:43:43.5	80.7	92.3	0.9	15	5.0		
CLZ	e P	Z	12:43:46.2	81.3	92.0	0.8	8	4.8		
BSEG	e P	Z	12:43:46.8	81.4	92.3					
BFO	e P	Z	12:43:52.6	82.6	89.9	1.4	15	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	14:34:30.8	5.310N	94.540E	33.0N	5.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	14:46:37.6	80.0	93.9					
GEC2	e P	Z	14:46:38.0	80.0	93.4	0.9	58	5.6		
WET	e P	Z	14:46:40.9	80.5	92.8					
CLL	e P	Z	14:46:40.4	80.6	93.3					
MOX	e P	Z	14:46:45.2	81.4	92.1					
FUR	e P	Z	14:46:45.7	81.6	91.5					
GRA1	e P	Z	14:46:47.0	81.6	91.6	1.0	42	5.6		
CLZ	e P	Z	14:46:49.5	82.2	91.3	1.5	66	5.6		
BSEG	e P	Z	14:46:50.1	82.3	91.5					
STU	e P	Z	14:46:53.2	82.9	90.0					

Sta	Phase			Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P		Z	14:46:55.9	83.5	89.3	1.9	80	5.6		
IBBN	e P		Z	14:46:57.9	83.8	89.3					
BUG	e P		Z	14:46:59.7	84.2	88.8					
WLF	e P		Z	14:47:03.7	84.9	87.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/05	14:54: 1.5	5.010N	94.310E	33.0G	5.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase			Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P		Z	15:06:07.9	80.0	94.3					
GEC2	i P	+	Z	15:06:08.3	80.1	93.8	0.9	166	5.9		
WET	e P		Z	15:06:11.2	80.6	93.2					
CLL	e P		Z	15:06:10.8	80.7	93.7					
MOX	e P		Z	15:06:15.6	81.5	92.5					
FUR	e P		Z	15:06:16.0	81.6	91.8					
GRA1	e P		Z	15:06:17.3	81.7	92.0	1.4	195	6.0		
	e			15:06:30.3							
CLZ	e P		Z	15:06:20.0	82.3	91.7	0.9	87	5.9		
BSEG	e P		Z	15:06:20.5	82.4	91.9					
STU	e P		Z	15:06:23.4	83.0	90.4					
BFO	e P		Z	15:06:26.2	83.6	89.7	0.7	46	5.8		
IBBN	e P		Z	15:06:28.4	83.9	89.7					
BUG	e P		Z	15:06:29.9	84.2	89.2					
WLF	e P		Z	15:06:34.2	85.0	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	00:11:13.9	5.210N	93.620E	27.2	5.7			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase			Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P		Z	00:23:18.0	79.4	94.2	1.3	117	5.7		
BRG	e P		Z	00:23:17.9	79.5	94.7					
WET	e P		Z	00:23:21.1	80.0	93.6					
CLL	e P		Z	00:23:20.8	80.1	94.1					
MOX	e P		Z	00:23:25.7	80.9	92.9					
FUR	e P		Z	00:23:25.9	81.0	92.2					
GRA1	e P		Z	00:23:27.3	81.1	92.4	1.4	127	5.9		
	e pP		Z	00:23:35.2							
CLZ	e P		Z	00:23:30.0	81.7	92.1	1.2	58	5.6		
BSEG	e P		Z	00:23:30.7	81.8	92.3					
STU	e P		Z	00:23:33.6	82.4	90.7					
BFO	e P		Z	00:23:36.2	83.0	90.0	1.7	63	5.6		
IBBN	e P		Z	00:23:38.7	83.4	90.1					
BUG	e P		Z	00:23:40.0	83.7	89.6					

WLF	e	P	Z	00:23:44.3	84.4	88.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	00:25:58.3	6.153N	92.316E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e	P	Z 00:37:52.6	77.9	94.5	0.9	7	4.8		
BRG	e	P	Z 00:37:52.6	77.9	95.2					
WET	e	P	Z 00:37:55.5	78.4	94.0					
MOX	e	P	Z 00:38:00.5	79.4	93.3					
GRA1	e	P	Z 00:38:02.4	79.6	92.8	0.9	15	4.9		
CLZ	e	P	Z 00:38:04.6	80.2	92.5	0.9	10	4.8		
BSEG	e	P	Z 00:38:05.8	80.3	92.8					
BFO	e	P	Z 00:38:11.4	81.4	90.4	1.2	11	4.7		
BUG	e	P	Z 00:38:15.7	82.1	90.0					
WLF	e	P	Z 00:38:19.6	82.8	88.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	00:29:11.3	6.350N	91.756E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e	P	Z 00:41:03.0	77.4	94.8	1.1	17	5.1		
BRG	e	P	Z 00:41:02.9	77.4	95.5					
WET	e	P	Z 00:41:06.1	77.9	94.3					
CLL	e	P	Z 00:41:05.9	78.0	94.8					
MOX	e	P	Z 00:41:11.0	78.8	93.6					
FUR	e	P	Z 00:41:11.1	78.9	92.8					
GRA1	e	P	Z 00:41:12.6	79.0	93.1	1.0	24	5.2		
CLZ	e	P	Z 00:41:15.4	79.7	92.8	1.0	21	5.0		
BSEG	e	P	Z 00:41:16.1	79.8	93.2					
STU	e	P	Z 00:41:18.8	80.3	91.4					
BFO	e	P	Z 00:41:21.8	80.9	90.7	1.5	23	5.0		
BUG	e	P	Z 00:41:26.2	81.6	90.3					
WLF	e	P	Z 00:41:30.2	82.3	89.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	00:56:25.4	4.680N	94.830E	33.0N	6.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 01:08:35.1	80.6	94.1					

	GEC2	i	P	+	Z	01:08:35.5	80.6	93.6	0.9	315	6.4
	WET	e	P		Z	01:08:38.4	81.2	93.0			
	CLL	e	P		Z	01:08:37.9	81.2	93.5			
	MOX	e	P		Z	01:08:42.8	82.1	92.3			
	FUR	e	P		Z	01:08:43.2	82.2	91.7			
	GRA1	e	P		Z	01:08:44.4	82.3	91.8	1.4	357	6.3
	CLZ	e	P		Z	01:08:47.0	82.9	91.5	1.5	312	6.3
	BSEG	e	P		Z	01:08:47.5	83.0	91.7			
	STU	e	P		Z	01:08:50.5	83.6	90.2			
	BFO	e	P		Z	01:08:53.3	84.2	89.5	0.8	112	6.2
	IBBN	e	P		Z	01:08:55.4	84.5	89.4			
	BUG	e	P		Z	01:08:56.9	84.8	89.0			
	WLF	e	P		Z	01:09:01.2	85.6	88.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	04:52:33.8	5.175N	92.764E	33.0N	4.6			SZGRF

Off west coast of northern Sumatera, Indonesia

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GEC2	e P	Z	05:04:34.0	78.9	94.8	1.0	5	4.5		
	BRG	e P	Z	05:04:33.9	78.9	95.4					
	WET	e P	Z	05:04:37.1	79.5	94.3					
	GRA1	e P	Z	05:04:43.4	80.6	93.1	0.8	8	4.8		
	CLZ	e P	Z	05:04:46.5	81.2	92.8	0.8	5	4.6		
	STU	e P	Z	05:04:49.7	81.9	91.4					
	BFO	e P	Z	05:04:53.0	82.4	90.7	0.9	2	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	07:54:19.2	10.971N	93.465E	33.0N	5.0			SZGRF

Andaman Islands, India, region

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	BRG	e P	Z	08:05:56.4	74.9	91.1					
	GEC2	e P	Z	08:05:57.1	75.0	90.4	0.9	14	5.0		
	WET	e P	Z	08:06:00.2	75.6	89.8					
	GRA1	e P	Z	08:06:07.2	76.7	88.7	1.4	18	5.0		
		e		08:06:39.6							
	FUR	e P	Z	08:06:06.1	76.7	88.4					
	CLZ	e P	Z	08:06:08.8	77.1	88.5	0.8	12	5.1		
	STU	e P	Z	08:06:13.9	78.0	87.0					
	IBBN	e P	Z	08:06:18.0	78.7	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	10:14:48.5	51.989N	176.419W	33.0N	5.3			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	10:26:20.6	73.9	4.3					
IBBN	e P	Z	10:26:30.2	75.6	2.7					
CLZ	e P	Z	10:26:32.7	76.0	4.3	0.9	46	5.6		
CLL	e P	Z	10:26:34.1	76.4	6.0					
BRG	e P	Z	10:26:36.4	76.8	6.5					
MOX	e P	Z	10:26:38.7	77.1	5.1					
GRA1	e P	Z	10:26:44.6	78.1	4.8	0.8	44	5.6		
WLF	e P	Z	10:26:45.2	78.3	1.6					
WET	e P	Z	10:26:46.5	78.6	5.8					
GEC2	e P	Z	10:26:47.9	78.8	6.3	1.0	13	4.9		
STU	e P	Z	10:26:49.4	79.1	3.5					
BFO	e P	Z	10:26:52.0	79.6	3.0	1.1	28	5.1		
FUR	e P	Z	10:26:52.4	79.6	4.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	11:55:45.6	10.432N	91.451E	23.4	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:07:19.5	74.1	93.0					
GEC2	e P	Z	12:07:19.9	74.1	92.3	1.2	24	5.1		
CLL	e P	Z	12:07:22.6	74.7	92.4					
WET	e P	Z	12:07:23.1	74.7	91.7					
MOX	e P	Z	12:07:27.8	75.5	91.1					
GRA1	e P	Z	12:07:29.8	75.8	90.6	1.0	32	5.4		
	e pP	Z	12:07:36.6							
CLZ	e P	Z	12:07:32.4	76.3	90.5	0.8	22	5.3		
BSEG	e P	Z	12:07:32.9	76.4	90.9					
STU	e P	Z	12:07:37.3	77.1	88.8					
BFO	e P	Z	12:07:39.8	77.7	88.1	1.5	31	5.2		
IBBN	e P	Z	12:07:41.5	77.9	88.5					
WLF	e P	Z	12:07:48.2	79.0	86.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	13:00:44.5	42.421N	141.092E	33.0N	5.2			SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	13:12:22.0	74.8	35.4					
BRG	e P	Z	13:12:28.3	76.0	37.3					
CLL	e P	Z	13:12:28.1	76.0	36.8					

CLZ	e P	Z	13:12:31.8	76.5	35.1	0.9	24	5.3
IBBN	e P	Z	13:12:34.1	77.1	33.4			
MOX	e P	Z	13:12:34.3	77.1	35.8			
GEC2	e P	Z	13:12:37.9	77.7	36.9	0.8	10	5.0
WET	e P	Z	13:12:38.9	77.8	36.4	1.0	12	5.0
GRA1	e P	Z	13:12:39.9	78.0	35.4	0.8	43	5.6
FUR	e P	Z	13:12:46.3	79.2	35.3			
STU	e P	Z	13:12:47.5	79.5	34.0			
WLF	e P	Z	13:12:50.0	79.8	32.1	1.2	21	4.9
BFO	e P	Z	13:12:51.5	80.2	33.4	0.9	20	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/06	14:19:45.4	25.200N	96.887E	33.0N	4.6			SZGRF

Myanmar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	14:30:31.8	66.4	78.5					
CLL	e P	Z	14:30:35.2	66.9	78.0					
GEC2	e P	Z	14:30:35.5	67.0	77.5	0.8	4	4.7		
WET	e P	Z	14:30:38.5	67.4	77.0					
MOX	e P	Z	14:30:40.9	67.9	76.8					
GRA1	e P	Z	14:30:43.9	68.4	76.1	0.8	4	4.6		
CLZ	e P	Z	14:30:44.2	68.4	76.3	0.8	7	4.9		
FUR	e P	Z	14:30:46.6	68.7	75.6					
STU	e P	Z	14:30:53.9	69.9	74.4					
BFO	e P	Z	14:30:57.4	70.5	73.6	0.8	2	4.3		
WLF	e P	Z	14:31:04.4	71.5	72.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	05:28:34.3	18.281S	175.009E	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z	05:48:02.5	144.0	30.0					
BRG	e PKPab	Z	05:48:03.0	144.1	31.7					
NOTT	e PKPab	Z	05:48:09.9	145.6	29.7					
GEC2	e PKPab	Z	05:48:10.9	145.9	32.9					
WET	e PKPab	Z	05:48:10.9	145.9	31.3					
GRA1	e PKPab	Z	05:48:10.9	146.0	28.3					
FUR	e PKPab	Z	05:48:17.6	147.3	29.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	07:59:26.4	4.750N	93.130E	33.0N	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	08:11:30.7	79.5	94.9	0.9	23	5.2		
BRG	e P	Z	08:11:30.7	79.5	95.4	0.8	11	4.8		
WET	e P	Z	08:11:33.7	80.0	94.3	1.0	15	4.9		
CLL	e P	Z	08:11:33.6	80.1	94.8	1.1	12	4.7		
NOTT	e P	Z	08:11:36.5	80.6	93.8	1.5	15	4.8		
MOX	e P	Z	08:11:38.5	81.0	93.6	0.8	8	4.8		
GRA1	e P	Z	08:11:40.0	81.1	93.1	0.8	19	5.2		
BSEG	e P	Z	08:11:43.9	81.9	93.0	1.1	34	5.4		
BFO	e P	Z	08:11:49.1	83.0	90.7	0.9	12	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	10:48:14.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	10:49:12.5	8.440N	93.200E	16.6	5.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:01:03.3	76.7	93.0	1.3	81	5.7		
GEC2	e P	Z	11:01:03.8	76.8	92.3	1.1	90	5.8		
CLL	e P	Z	11:01:06.3	77.3	92.3	1.4	81	5.7		
WET	e P	Z	11:01:06.9	77.3	91.7	1.1	66	5.7		
MOX	e P	Z	11:01:11.5	78.2	91.1	1.7	114	5.7		
FUR	e P	Z	11:01:12.2	78.3	90.3	1.0	59	5.7		
GRA1	e P	Z	11:01:13.3	78.4	90.6	1.5	82	5.6		
	e pP	Z	11:01:18.1							
CLZ	e P	Z	11:01:15.8	78.9	90.4	1.1	74	5.6		
BSEG	e P	Z	11:01:16.1	79.0	90.7	1.1	154	5.9		
STU	e P	Z	11:01:19.9	79.7	88.9	1.2	36	5.2		
BFO	e P	Z	11:01:22.9	80.3	88.2	1.2	45	5.3		
IBBN	e P	Z	11:01:24.6	80.5	88.4	1.2	167	5.9		
BUG	e P	Z	11:01:26.2	80.9	87.9	1.2	95	5.7		
WLF	e P	Z	11:01:31.0	81.7	86.7	1.2	58	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	15:11: 2.8	43.476N	44.303E	33.0N	4.2			SZGRF

Western Caucasus

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:16:08.9	23.4	92.7	2.1	18	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	15:47:25.1							
GEC2	e P	Z	15:47:07.1							
GRA1	e P	Z	15:47:16.6							
WET	e P	Z	15:47:10.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	15:49:47.7	22.554N	102.744E	33.0N	4.8			SZGRF

Yunnan, China

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:01:20.1	73.9	73.9	1.2	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	16:12:32.2							
GRA1	e P	Z	16:12:41.3							
WET	e P	Z	16:12:35.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	18:50:13.3	5.190N	95.231E	36.3	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	19:02:22.5	80.5	93.0					
GRA1	e P	Z	19:02:31.3	82.2	91.2	1.2	9	4.8		
	e pP	Z	19:02:41.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	20:10:56.9	8.956N	92.753E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:22:50.8	77.7	90.6	1.1	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	20:20:53.6	9.313N	92.963E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	20:32:36.6	75.9	91.9	0.9	5	4.7		
WET	e P	Z	20:32:39.6	76.5	91.3	0.8	3	4.4		
GRA1	e P	Z	20:32:46.8	77.6	90.2	0.8	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/07	23:19:49.6	21.640S	177.330W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e PKPbc	Z	23:39:26.8	146.1	18.0					
BSEG	e PKPbc	Z	23:39:29.5	147.2	13.2					
RUE	e PKPbc	Z	23:39:31.4	148.0	19.8					
	e PKPab	Z	23:39:34.0							
NRDL	e PKPbc	Z	23:39:33.0	148.6	13.4					
	e PKPab	Z	23:39:36.6							
CLZ	e PKPbc	Z	23:39:34.9	149.2	14.1					
	e PKPab	Z	23:39:39.7							
CLL	e PKPbc	Z	23:39:34.6	149.3	19.0					
	e PKPab	Z	23:39:39.1							
BRG	e PKPbc	Z	23:39:35.2	149.5	21.0					
	e PKPab	Z	23:39:40.0							
BUG	e PKPbc	Z	23:39:37.4	150.0	8.6					
	e PKPab	Z	23:39:42.6							
MOX	e PKPbc	Z	23:39:37.2	150.2	16.9					
	e PKPab	Z	23:39:43.0							
WERD	e PKPbc	Z	23:39:37.3	150.2	18.3					
	e PKPab	Z	23:39:43.3							
UBBA	e PKPbc	Z	23:39:37.0	150.3	13.8					
NOTT	e PKPbc	Z	23:39:38.8	150.9	18.3					
	e PKPab	Z	23:39:46.0							
GRA1	e PKPbc	Z	23:39:39.4	151.1	16.6					
	e PKPab	Z	23:39:47.6							
WET	e PKPab	Z	23:39:48.3	151.3	20.1					
GEC2	e PKPbc	Z	23:39:39.7	151.4	21.8					
WLF	e PKPbc	Z	23:39:41.8	151.8	6.9					

STU	e PKPbc	Z	23:39:42.4	152.4	13.2	
	e PKPab	Z	23:39:52.5			
FUR	e PKPbc	Z	23:39:42.5	152.6	17.6	
	e PKPab	Z	23:39:53.6			
BFO	e PKPab	Z	23:39:54.9	152.9	11.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	02:59:50.5							
GRA1	e P	Z	03:00:00.2							
WET	e P	Z	02:59:53.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08	05:30:53.8	11.890N	91.500E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:42:21.0	73.0	92.0	1.5	31	5.2		
GEC2	e P	Z	05:42:21.2	73.1	91.2	1.2	14	5.0		
CLL	e P	Z	05:42:24.1	73.6	91.4	1.6	41	5.2		
WET	e P	Z	05:42:24.6	73.6	90.7	1.4	16	4.9		
MOX	e P	Z	05:42:29.4	74.4	90.1	1.6	32	5.1		
GRA1	e P	Z	05:42:31.1	74.7	89.6	1.4	29	5.1		
CLZ	e P	Z	05:42:33.8	75.2	89.5	1.2	32	5.2		
BSEG	e P	Z	05:42:34.1	75.2	90.0	1.1	26	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08	05:58:19.5	3.760N	94.310E	33.0N	4.7			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	06:10:31.6	81.0	94.6	0.7	7	4.8		
BRG	e P	Z	06:10:31.3	81.0	95.1	0.6	3	4.5		
WET	e P	Z	06:10:34.3	81.6	94.0	0.7	2	4.4		
CLL	e P	Z	06:10:34.4	81.6	94.4	0.8	4	4.6		
MOX	e P	Z	06:10:38.9	82.5	93.3	0.7	3	4.5		
GRA1	e P	Z	06:10:39.8	82.7	92.8	1.2	14	5.1		
BSEG	e P	Z	06:10:43.9	83.4	92.6	0.9	10	5.1		
BFO	e P	Z	06:10:49.4	84.5	90.5	0.7	4	4.7		
BUG	e P	Z	06:10:53.5	85.2	90.0	0.6	7	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:50:51.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08	18:45: 4.4	55.108S	27.983W	10.0G		5.2		NEIC-M

South Sandwich Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e SP	Z	19:13:16.2	107.8	200.8					
STU	e SP	Z	19:13:23.3	108.5	201.4					
WLF	e SP	Z	19:13:28.4	108.6	199.8					
WET	e SP	Z	19:13:35.0	109.7	203.4					
GRA1	e SP	Z	19:13:36.2	109.8	202.6					
	e L	Z	19:42:26.7			21.9	648		5.2	
NOTT	e SP	Z	19:13:43.2	110.1	203.1					
BUG	e SP	Z	19:13:46.8	110.5	200.6					
UBBA	e SP	Z	19:13:45.6	110.5	202.1					
MOX	e SP	Z	19:13:49.1	110.8	203.0					
IBBN	e SP	Z	19:14:00.9	111.4	201.0					
CLZ	e SP	Z	19:13:58.5	111.6	202.4					
CLL	e SP	Z	19:13:59.7	111.7	203.8					
NRDL	e SP	Z	19:14:05.5	112.1	202.4					
RUE	e SP	Z	19:14:14.9	113.0	204.4					
BSEG	e SP	Z	19:14:16.1	113.5	202.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:13:56.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	23:47:03.2							
	e Sn	N	23:48:08.4							
WET	e Pn	Z	23:47:08.5							

		e Sn	E	23:48:16.6									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/08								

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GEC2	e Pn	Z	23:54:37.9							
		e Sn	N	23:55:43.3							
	WET	e Pn	Z	23:54:43.4							
		e Sn	E	23:55:51.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09								

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	BRG	e P	Z	00:57:00.3							
	GEC2	e P	Z	00:57:01.5							
	GRA1	e P	Z	00:57:11.4							
	MOX	e P	Z	00:57:09.2							
	WET	e P	Z	00:57:04.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09								

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	FUR	e PKPbc	Z	01:26:22.8							
	GEC2	e PKPbc	Z	01:26:19.2							
	GRA1	e PKPbc	Z	01:26:22.0							
	WET	e PKPbc	Z	01:26:20.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	01:59: 6.6	6.430N	92.940E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	BRG	e P	Z	02:11:02.6	78.1	94.5					
	GEC2	e P	Z	02:11:02.8	78.1	93.9	0.9	10	5.0		
	WET	e P	Z	02:11:05.9	78.6	93.3					
	CLL	e P	Z	02:11:05.6	78.7	93.8					
	NOTT	e P	Z	02:11:09.0	79.2	92.9					
	MOX	e P	Z	02:11:10.6	79.5	92.6	0.7	6	4.6		

FUR	e P	Z	02:11:11.1	79.7	91.9				
GRA1	e P	Z	02:11:12.4	79.7	92.1	0.8	14	4.9	
CLZ	e P	Z	02:11:15.0	80.4	91.9	0.8	9	4.8	
BSEG	e P	Z	02:11:15.7	80.5	92.2				
UBBA	e P	Z	02:11:16.7	80.6	91.4				
STU	e P	Z	02:11:18.7	81.1	90.4				
BFO	e P	Z	02:11:21.7	81.6	89.7	0.8	6	4.8	
BUG	e P	Z	02:11:25.5	82.3	89.4				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	03:02:51.4	4.930N	94.210E	33.0N	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:14:57.5	80.0	94.5					
GEC2	e P	Z	03:14:57.8	80.0	93.9	0.8	13	4.9		
WET	e P	Z	03:15:00.8	80.6	93.3					
CLL	e P	Z	03:15:00.5	80.7	93.8					
MOX	e P	Z	03:15:05.4	81.5	92.6					
GRA1	e P	Z	03:15:07.0	81.7	92.2	0.7	11	5.1		
CLZ	e P	Z	03:15:09.8	82.3	91.8	0.8	7	4.9		
BSEG	e P	Z	03:15:10.3	82.4	92.0					
STU	e P	Z	03:15:13.3	83.0	90.5					
BFO	e P	Z	03:15:15.9	83.6	89.8	0.7	5	4.9		
IBBN	e P	Z	03:15:18.1	83.9	89.8					
BUG	e P	Z	03:15:19.9	84.2	89.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	03:50:38.6							
	e Sn	N	03:51:43.8							
NOTT	e Pn	N	03:50:53.8							
WET	e Pn	Z	03:50:43.9							
	e Sn	N	03:51:52.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	16:21:24.3	33.464N	139.633E	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	16:33:57.3	85.1	41.0	0.8	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	17:16:47.4	3.630N	94.270E	28.0	5.5			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	17:29:00.6	81.1	94.7	1.0	80	5.7		
BRG	e P	Z	17:29:00.5	81.1	95.2	1.2	46	5.4		
RUE	e P	Z	17:29:01.6	81.3	95.4	1.0	86	5.7		
WET	e P	Z	17:29:03.4	81.6	94.1	1.2	46	5.5		
CLL	e P	Z	17:29:03.3	81.7	94.6	1.2	34	5.4		
WERD	e P	Z	17:29:05.6	82.1	93.9	1.2	33	5.3		
NOTT	e P	Z	17:29:06.4	82.2	93.7	1.2	22	5.2		
MOX	e P	Z	17:29:08.0	82.5	93.4	1.7	55	5.5		
FUR	e P	Z	17:29:08.0	82.6	92.8	1.4	60	5.6		
GRA1	e P	Z	17:29:09.5	82.7	93.0	1.2	80	5.8		
	e pP	Z	17:29:17.6							
CLZ	e P	Z	17:29:12.3	83.4	92.6	1.1	45	5.6		
BSEG	e P	Z	17:29:13.1	83.5	92.8	1.3	76	5.8		
UBBA	e P	Z	17:29:13.1	83.6	92.1	1.7	41	5.4		
NRDL	e P	Z	17:29:13.6	83.6	92.4	1.3	55	5.6		
STU	e P	Z	17:29:15.7	84.0	91.3	1.0	21	5.3		
BFO	e P	Z	17:29:18.5	84.6	90.6	1.0	17	5.2		
IBBN	e P	Z	17:29:20.7	85.0	90.5	1.0	47	5.7		
BUG	e P	Z	17:29:22.0	85.3	90.1	1.0	37	5.5		
WLF	e P	Z	17:29:25.9	86.0	89.1	1.1	27	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	22:12:53.7	4.440N	95.020E	33.0G	6.2	5.6		SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:25:05.3	80.9	94.1	1.1	194	6.1		
GEC2	e P	Z	22:25:05.6	80.9	93.6	1.0	352	6.3		
WET	e P	Z	22:25:08.5	81.5	93.0	1.1	210	6.2		
CLL	e P	Z	22:25:08.1	81.5	93.5	1.0	139	6.0		
MOX	e P	Z	22:25:12.9	82.4	92.3	1.2	149	6.0		
FUR	e P	Z	22:25:13.3	82.5	91.7	1.2	204	6.2		
GRA1	e P	Z	22:25:14.5	82.6	91.9	1.1	309	6.4		
	e		22:25:16.2							
	e S	N	22:35:26.4							
	e L	Z	23:08:28.7			20.2	2372		5.6	
CLZ	e P	Z	22:25:17.1	83.2	91.5	1.0	212	6.3		
BSEG	e P	Z	22:25:17.6	83.3	91.7	1.1	318	6.5		
STU	e P	Z	22:25:20.5	83.9	90.2	1.2	135	6.1		

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	22:25:23.2	84.5	89.5	1.1	114	6.0		
IBBN	e P	Z	22:25:25.4	84.8	89.4	1.0	307	6.5		
BUG	e P	Z	22:25:26.9	85.1	89.0	1.1	246	6.3		
WLF	e P	Z	22:25:31.2	85.9	88.0	1.4	198	6.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/09	23:17:58.3	27.949S	67.319E	33.0N	5.1			SZGRF

Indian Ocean Triple Junction

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:31:05.1	92.2	132.8	1.3	12	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	23:48:52.8	36.620N	27.627E	33.0G	5.1	5.1		SZGRF

Dodecanese Islands, Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z	23:52:44.8	16.5	133.9	2.0	335	5.1		
FUR	e P	Z	23:52:44.7	16.6	127.9	0.8	52	4.7		
BRG	e P	Z	23:52:53.7	17.3	140.3	1.0	102	4.9		
NOTT	e P	Z	23:52:53.8	17.3	133.8	2.5	510	5.2		
GRA1	e P	Z	23:52:57.3	17.6	131.6	1.2	146	5.0		
	e S	E	23:56:18.2							
WERD	e P	Z	23:52:57.9	17.7	135.7	0.9	191	5.2		
CLL	e P	Z	23:53:01.1	18.0	139.0	0.9	179	5.2		
STU	e P	Z	23:53:02.8	18.1	125.3	1.2	110	4.9		
MOX	e P	Z	23:53:02.9	18.1	134.6	1.6	364	5.2		
BFO	e P	Z	23:53:06.0	18.3	122.5	1.0	46	4.6		
RUE	e P	Z	23:53:07.4	18.6	143.0	1.0	174	5.2		
CLZ	e P	Z	23:53:16.6	19.5	134.5	1.1	122	5.0		
WLF	e P	Z	23:53:26.3	20.3	121.9	1.1	55	4.7		
RGN	e P	Z	23:53:23.2	20.4	145.4	1.6	462	5.5		
BUG	e P	Z	23:53:32.3	20.7	127.8	1.2	131	5.1		
IBBN	e P	Z	23:53:33.8	21.0	130.4	1.5	252	5.3		
BSEG	e P	Z	23:53:33.8	21.0	138.3	1.4	188	5.2		
GRA1	e L	Z	00:00:09.3	17.6	131.6	13.2	6772		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	01:04:25.8	9.199N	93.215E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:16:20.4	77.8	90.1	1.2	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	02:19:11.8	1.010N	94.930E	29.3	4.9			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	02:31:37.9	83.5	96.0	0.9	8	4.9		
	e pP	Z	02:31:46.6							
BRG	e P	Z	02:31:38.1	83.5	96.4					
	e pP	Z	02:31:46.5							
RUE	e P	Z	02:31:39.4	83.8	96.4					
	e pP	Z	02:31:47.6							
WET	e P	Z	02:31:40.6	84.0	95.4					
	e pP	Z	02:31:49.3							
CLL	e P	Z	02:31:41.2	84.2	95.7					
	e pP	Z	02:31:49.7							
NOTT	e P	Z	02:31:43.8	84.6	94.9					
	e pP	Z	02:31:52.2							
MOX	e P	Z	02:31:45.6	85.0	94.5					
	e pP	Z	02:31:53.7							
FUR	e P	Z	02:31:45.2	85.0	94.1					
	e pP	Z	02:31:54.4							
GRA1	e P	Z	02:31:47.0	85.2	94.2	0.9	8	5.0		
	e pP	Z	02:31:55.3							
BSEG	e P	Z	02:31:50.7	86.0	93.8					
	e pP	Z	02:31:59.0							
NRDL	e pP	Z	02:31:59.0	86.0	93.5					
BFO	e P	Z	02:31:55.2	87.0	91.9	0.8	5	4.7		
	e pP	Z	02:32:03.9							
BUG	e P	Z	02:31:59.1	87.8	91.2					
	e pP	Z	02:32:07.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	15:20:17.0	12.120N	93.050E	33.0N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	15:31:48.8	73.8	90.6					
GEC2	e P	Z	15:31:50.0	73.9	89.9	0.8	6	4.7		
CLL	e P	Z	15:31:52.1	74.4	90.0					
WET	e P	Z	15:31:52.4	74.5	89.3					
MOX	e P	Z	15:31:57.6	75.2	88.8					
GRA1	e P	Z	15:31:58.6	75.5	88.2	0.8	4	4.6		
BSEG	e P	Z	15:32:01.5	76.0	88.6					
CLZ	e P	Z	15:32:01.6	76.0	88.1	0.8	4	4.7		

BFO	e P	Z	15:32:10.1	77.5	85.7	0.8	2	4.3	
BUG	e P	Z	15:32:12.7	77.9	85.6				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	18:47:23.7	36.930N	55.740E	41.9	5.6	4.7		SZGRF

Northern and central Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	18:53:51.3	32.5	95.5	2.0	210	5.6		
	e S	E	18:59:07.8							
BRG	e P	Z	18:53:52.8	32.6	98.9	1.9	222	5.7		
	e S	E	18:59:03.2							
RUE	e P	Z	18:53:55.2	33.0	101.2	1.3	163	5.7		
WET	e P	Z	18:53:55.9	33.1	95.3	2.1	132	5.5		
CLL	e P	Z	18:53:58.8	33.3	98.7	0.9	45	5.4		
TANN	e S	E	18:59:25.7	33.5	96.8					
WERD	e P	Z	18:54:00.3	33.6	96.7	2.1	76	5.3		
NOTT	e P	Z	18:54:00.9	33.6	95.6	1.8	60	5.2		
RGN	e P	Z	18:54:01.8	33.7	103.8	0.9	381	6.3		
MOX	e P	Z	18:54:05.1	34.1	96.4	1.2	43	5.3		
	e S	E	18:59:29.2							
FUR	e P	Z	18:54:04.7	34.1	92.5	1.3	55	5.3		
GRA1	e P	Z	18:54:06.3	34.2	94.7	1.2	37	5.2		
	e pP	Z	18:54:17.2							
	e PcP	Z	18:56:46.1							
	e pPcP	Z	18:56:59.0							
	e sPcP	Z	18:57:06.1							
	e S	E	18:59:33.6							
	e PcS	Z	19:00:30.4							
	e sPcS	Z	19:00:51.7							
	e L	Z	19:09:50.9			24.1	1637		4.7	
CLZ	e P	Z	18:54:14.7	35.0	97.1	1.4	115	5.6		
UBBA	e P	Z	18:54:14.3	35.1	95.3	1.7	172	5.7		
NRDL	e P	Z	18:54:15.4	35.2	97.7	2.0	117	5.5		
BSEG	e P	Z	18:54:16.1	35.3	99.9	1.1	190	5.9		
STU	e P	Z	18:54:16.3	35.5	91.7	1.1	117	5.7		
BFO	e S	E	18:59:54.7	36.1	90.5					
IBBN	e P	Z	18:54:27.5	36.6	95.4	1.5	222	5.9		
BUG	e P	Z	18:54:29.8	36.9	93.8	1.5	107	5.5		
WLF	e P	Z	18:54:35.0	37.5	90.6	2.4	423	5.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/10	23:50:30.2	37.072N	27.856E	40.0G	4.9			NEIC-M

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WET	e P	Z	23:54:23.8	16.2	132.5	1.3	65	4.6		
BRG	e P	Z	23:54:32.1	17.0	139.0	0.9	84	4.9		
WERD	e P	Z	23:54:36.8	17.4	134.3	0.9	156	5.1		
GRA1	e P	Z	23:54:35.5	17.4	130.2	1.1	94	4.8		
CLL	e P	Z	23:54:38.9	17.7	137.7	0.9	149	5.1		
MOX	e P	Z	23:54:41.0	17.8	133.3	1.3	152	5.0		
RUE	e P	Z	23:54:45.4	18.3	141.8	1.1	98	4.8		
BSEG	e P	Z	23:55:11.9	20.7	137.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11	00:02:28.5	36.490N	26.960E	33.0N	4.1			SZGRF

Dodecanese Islands, Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	00:06:09.7	15.7	137.0	1.7	17	3.9		
WET	e P	Z	00:06:17.1	16.3	135.7	3.0	90	4.4		
FUR	e P	Z	00:06:17.9	16.4	129.6	1.1	24	4.3		
BRG	e P	Z	00:06:26.1	17.1	142.1	1.0	8	3.8		
GUNZ	e P	Z	00:06:29.6	17.4	137.3	1.0	26	4.3		
GRA1	e P	Z	00:06:29.6	17.4	133.3	1.0	7	3.8		
WERD	e P	Z	00:06:30.1	17.5	137.4	1.0	19	4.2		
CLL	e P	Z	00:06:33.6	17.8	140.7	0.9	17	4.2		
MOX	e P	Z	00:06:36.0	17.9	136.3	0.8	8	3.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:22:50.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11	04:36: 6.6	37.400N	27.380E	33.0N	5.0	4.0		SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	04:39:42.8	15.1	134.0	1.4	212			
WET	e P	Z	04:39:48.9	15.7	132.8	1.4	164			
FUR	e P	Z	04:39:52.4	15.9	126.6	1.4	135	4.9		
BRG	e P	Z	04:39:58.1	16.5	139.5	0.9	100	4.9		
NOTT	e P	Z	04:39:59.0	16.6	132.8	1.5	66			
GUNZ	e P	Z	04:40:02.6	16.8	134.6	1.0	244			
WERD	e P	Z	04:40:05.7	16.9	134.7	1.0	173			

GRA1	e	P	Z	04:40:02.9	16.9	130.5	1.3	204		
	e	L	Z	04:46:24.1			21.8	1002		4.0
CLL	e	P	Z	04:40:07.2	17.2	138.2	0.8	140	5.1	
MOX	e	P	Z	04:40:09.4	17.4	133.7	1.3	253		
STU	e	P	Z	04:40:08.9	17.4	124.0	1.0	68		
BFO	e	P	Z	04:40:11.9	17.6	121.2	1.4	79	4.7	
RUE	e	P	Z	04:40:13.7	17.8	142.4	1.2	188		
UBBA	e	P	Z	04:40:19.1	18.2	130.7	1.5	80		
CLZ	e	P	Z	04:40:24.1	18.7	133.7	1.2	131	5.0	
NRDL	e	P	Z	04:40:30.2	19.3	134.5	1.3	138		
WLF	e	P	Z	04:40:33.0	19.6	120.8	1.1	76		
BSEG	e	P	Z	04:40:39.2	20.3	137.7	1.5	240	5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:01:32.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:37:45.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11	10:29:34.8	4.300S	153.500E	20.0N				EMSC-A

New Ireland, Papua New Guinea, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	10:48:32.6	124.6	47.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11	16:45: 4.9	19.917S	170.605E	33.0N				SZGRF

Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	17:04:34.0	144.0	39.3					
CLL	e PKPbc	Z	17:04:33.9	144.0	37.6					
CLZ	e PKPbc	Z	17:04:35.9	144.5	33.2					
IBBN	e PKPbc	Z	17:04:37.6	145.0	28.9					

WERD	e PKPbc	Z	17:04:37.4	145.0	37.3
GUNZ	e PKPbc	Z	17:04:38.0	145.0	37.4
MOX	e PKPbc	Z	17:04:37.6	145.1	36.1
UBBA	e PKPbc	Z	17:04:38.9	145.5	33.5
NOTT	e PKPbc	Z	17:04:39.4	145.6	37.6
GEC2	e PKPbc	Z	17:04:39.2	145.7	40.8
GRA1	e PKPbc	Z	17:04:40.7	146.0	36.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11	21:46:34.2	4.320N	94.930E	51.1	5.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	21:58:43.3	81.0	94.3					
GEC2	e P	Z	21:58:43.8	81.0	93.8	0.8	28	5.3		
RUE	e P	Z	21:58:44.5	81.2	94.4					
WET	e P	Z	21:58:46.4	81.5	93.2					
CLL	e P	Z	21:58:46.3	81.6	93.6					
GUNZ	e P	Z	21:58:48.8	82.0	92.9					
WERD	e P	Z	21:58:48.8	82.0	92.9					
NOTT	e P	Z	21:58:49.7	82.1	92.7					
MOX	e P	Z	21:58:51.0	82.4	92.4					
FUR	e P	Z	21:58:51.9	82.6	91.8					
GRA1	e P	Z	21:58:52.6	82.6	92.0	1.2	30	5.4		
	e pP	Z	21:59:07.3							
CLZ	e P	Z	21:58:55.3	83.2	91.6	1.3	31	5.4		
BSEG	e P	Z	21:58:56.0	83.3	91.8					
NRDL	e P	Z	21:58:56.6	83.4	91.5					
BFO	e P	Z	21:59:01.5	84.5	89.7	0.8	9	5.1		
BUG	e P	Z	21:59:05.3	85.2	89.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/11								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:07:37.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	01:20:05.6							
WET	e Pn	Z	01:20:06.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	08:40:13.5	0.570S	19.440W	33.0N	5.8	6.5		SZGRF

Central Mid-Atlantic Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	08:49:37.2	54.5	214.9	1.1	196	6.1		
	e S	Z	08:57:22.6							
WLF	e P	Z	08:49:39.5	54.8	211.9	1.8	168	5.8		
	e S	Z	08:57:25.7							
STU	e P	Z	08:49:41.8	55.2	215.7	1.0	146	6.0		
	e S	Z	08:57:34.2							
FUR	e P	Z	08:49:44.9	55.5	218.3	1.1	352	6.3		
	e S	Z	08:57:37.5							
BUG	e P	Z	08:49:52.9	56.7	212.5	1.1	174	6.0		
	e S	Z	08:57:57.8							
GRA1	e P	Z	08:49:53.0	56.7	217.6	1.2	186	6.0		
	e		08:50:06.5							
	e		08:50:37.7							
	e S	Z	08:57:56.4							
	e L	Z	09:08:49.5			41.8	76229		6.5	
WET	e P	Z	08:49:54.9	57.0	219.6	1.0	172	6.0		
	e S	Z	08:58:00.6							
GEC2	e P	Z	08:49:55.9	57.1	220.6	1.1	103	5.8		
	e S	Z	08:58:01.4							
UBBA	e P	Z	08:49:56.4	57.1	215.8	1.5	88	5.6		
	e S	Z	08:58:02.3							
NOTT	e P	Z	08:49:56.1	57.2	218.5	1.1	90	5.7		
	e S	Z	08:58:03.9							
IBBN	e P	Z	08:49:59.2	57.6	212.8	1.0	141	5.9		
	e S	Z	08:58:08.4							
MOX	e P	Z	08:49:59.6	57.6	217.6	1.2	152	5.9		
	e S	Z	08:58:08.5							
GUNZ	e P	Z	08:49:59.9	57.7	218.5	1.1	86	5.7		
WERD	e P	Z	08:50:00.3	57.7	218.5	1.2	88	5.7		
CLZ	e P	Z	08:50:03.0	58.1	215.8	1.9	90	5.5		
	e S	Z	08:58:17.1							
NRDL	e P	Z	08:50:06.6	58.6	215.3	1.2	101	5.7		
	e S	Z	08:58:23.2							
CLL	e P	Z	08:50:06.9	58.7	218.9	1.2	79	5.6		
	e S	Z	08:58:26.1							
BRG	e P	Z	08:50:07.1	58.7	220.1	1.3	75	5.6		
	e S	Z	08:58:26.6							
HLG	e S	Z	08:58:28.8	59.2	212.3					
BSEG	e P	Z	08:50:14.2	59.8	215.0	1.0	180	6.1		
	e S	Z	08:58:37.6							
RUE	e P	Z	08:50:15.5	59.9	219.3	1.0	130	5.9		

	e S	Z	08:58:38.8						
RGN	e P	Z	08:50:25.4	61.3	218.1	1.1	186	5.8	
	e S	Z	08:58:58.1						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	10:25:19.4	17.909S	179.440W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	10:44:46.6	143.2	15.6					
RUE	e PKPbc	Z	10:44:49.3	143.9	21.7					
NRDL	e PKPbc	Z	10:44:51.0	144.6	15.8					
CLL	e PKPbc	Z	10:44:52.8	145.2	21.0					
CLZ	e PKPbc	Z	10:44:53.2	145.2	16.5					
BRG	e PKPbc	Z	10:44:53.5	145.4	22.8					
MOX	e PKPbc	Z	10:44:55.7	146.1	19.1					
TANN	e PKPbc	Z	10:44:56.1	146.1	20.6					
WERD	e PKPbc	Z	10:44:55.5	146.1	20.3					
GUNZ	e PKPbc	Z	10:44:55.7	146.2	20.4					
NOTT	e PKPbc	Z	10:44:57.2	146.8	20.4					
GRA1	e PKPbc	Z	10:44:58.4	147.1	18.9					
GRFO	e PKPbc	Z	10:44:58.5	147.1	18.9					
GEC2	e PKPbc	Z	10:44:58.4	147.3	23.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	13:58:18.6	5.200N	94.290E	33.0G	5.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	14:10:24.2	79.9	94.2	1.7	142	5.6		
GEC2	e P	Z	14:10:24.6	79.9	93.7	0.9	120	5.8		
RUE	e P	Z	14:10:25.1	80.1	94.4	1.0	134	5.8		
WET	e P	Z	14:10:27.4	80.5	93.1	1.1	70	5.5		
CLL	e P	Z	14:10:27.0	80.5	93.6	1.3	52	5.4		
GUNZ	e P	Z	14:10:29.6	80.9	92.9	1.2	48	5.4		
WERD	e P	Z	14:10:29.5	80.9	92.9	1.2	39	5.3		
NOTT	e P	Z	14:10:30.5	81.0	92.6	1.2	40	5.3		
MOX	e P	Z	14:10:32.0	81.3	92.4	1.1	36	5.3		
FUR	e P	Z	14:10:32.4	81.5	91.7	1.5	153	5.8		
GRA1	e P	Z	14:10:33.6	81.6	91.9	1.1	94	5.8		
	e		14:10:48.8							
CLZ	e P	Z	14:10:36.1	82.2	91.6	1.1	53	5.6		
BSEG	e P	Z	14:10:36.7	82.3	91.8	1.1	75	5.7		
NRDL	e P	Z	14:10:37.5	82.3	91.4	1.4	93	5.7		
UBBA	e P	Z	14:10:37.4	82.4	91.1	1.9	53	5.3		

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb
STU	e P	Z	14:10:39.8	82.9	90.2	1.0	40	5.6
BFO	e P	Z	14:10:42.5	83.4	89.5	1.0	41	5.6
IBBN	e P	Z	14:10:45.0	83.8	89.6	0.4	69	6.2
BUG	e P	Z	14:10:46.2	84.1	89.1	1.3	95	5.9
WLF	e P	Z	14:10:50.5	84.8	88.0	1.2	45	5.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	18:41:53.5	33.918N	140.563E	36.1	5.3			SZGRF

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	18:54:11.6	82.2	39.7	1.3	47	5.6		
BRG	e P	Z	18:54:15.9	83.1	42.1	1.2	15	5.1		
CLL	e P	Z	18:54:15.9	83.1	41.5	1.2	35	5.5		
CLZ	e P	Z	18:54:20.1	83.8	39.6	1.2	39	5.5		
WERD	e P	Z	18:54:21.1	84.1	40.9	1.3	20	5.2		
GUNZ	e P	Z	18:54:21.5	84.1	40.9	1.3	34	5.4		
MOX	e P	Z	18:54:21.6	84.2	40.4	1.3	26	5.3		
NOTT	e P	Z	18:54:24.1	84.6	40.8	1.3	40	5.5		
GEC2	e P	Z	18:54:24.1	84.7	41.8	1.3	18	5.2		
WET	e P	Z	18:54:24.8	84.8	41.3	1.4	22	5.2		
GRA1	e P	Z	18:54:26.6	85.1	40.1	1.2	53	5.6		
	e pP	Z	18:54:37.1							
STU	e P	Z	18:54:34.3	86.7	38.6	1.0	24	5.3		
BFO	e P	Z	18:54:36.9	87.4	38.0	1.1	10	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	18:44:43.0	3.180N	92.180E	33.0N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	18:56:48.9	80.0	96.6	0.8	11	4.8		
BRG	e P	Z	18:56:48.5	80.1	97.2					
WET	e P	Z	18:56:51.9	80.6	96.0					
RGN	e P	Z	18:56:54.1	81.0	97.3					
NOTT	e P	Z	18:56:54.8	81.2	95.6					
MOX	e P	Z	18:56:56.5	81.6	95.3					
GRA1	e P	Z	18:56:58.3	81.7	94.9	0.8	8	4.9		
	e		18:57:13.2							
CLZ	e P	Z	18:57:00.9	82.4	94.5	0.8	6	4.8		
UBBA	e P	Z	18:57:03.9	82.6	94.1					
NRDL	e P	Z	18:57:02.2	82.7	94.4					
BFO	e P	Z	18:57:06.5	83.5	92.5	0.8	4	4.8		
BUG	e P	Z	18:57:11.1	84.3	92.0					
WLF	e P	Z	18:57:15.2	85.0	91.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	20:03:47.3	44.660N	143.770E	33.0N	5.2	5.2		SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:15:20.9	73.7	32.5	0.9	27	5.3		
CLL	e P	Z	20:15:27.6	75.0	33.9	0.9	30	5.3		
BRG	e P	Z	20:15:28.0	75.1	34.4	0.8	8	4.8		
CLZ	e P	Z	20:15:30.9	75.5	32.3	2.1	128	5.7		
WERD	e P	Z	20:15:33.3	76.0	33.3	0.9	6	4.8		
MOX	e P	Z	20:15:33.5	76.1	32.9	1.4	26	5.2		
NOTT	e P	Z	20:15:36.8	76.6	33.1	1.1	20	5.1		
BUG	e P	Z	20:15:37.3	76.8	30.2	1.2	43	5.5		
GEC2	e P	Z	20:15:37.9	76.8	34.0	1.0	11	5.0		
WET	e P	Z	20:15:38.7	76.9	33.5	1.0	25	5.3		
GRA1	e P	Z	20:15:39.5	77.0	32.5	1.2	52	5.5		
	e L	Z	20:55:04.8			18.1	950		5.2	
FUR	e P	Z	20:15:46.2	78.3	32.4	1.0	34	5.3		
BFO	e P	Z	20:15:51.4	79.2	30.5	0.9	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/12	23:11: 5.5	51.037N	179.125W	33.0N	4.6			SZGRF

Andreanof Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:23:05.9	78.9	6.6	0.8	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	03:05:36.8	16.960S	174.120W	59.6				SZGRF

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e PKPbc	Z	03:25:05.8	144.9	7.5					
CLL	e PKPbc	Z	03:25:06.2	145.2	12.0					
BRG	e PKPbc	Z	03:25:07.3	145.5	13.7					
BUG	e PKPbc	Z	03:25:07.5	145.5	2.3					
UBBA	e PKPbc	Z	03:25:08.7	146.0	7.1					
MOX	e PKPbc	Z	03:25:08.4	146.0	9.8					
	e pPKPbc	Z	03:25:26.2							
WERD	e PKPbc	Z	03:25:09.6	146.1	11.1					
	e pPKPbc	Z	03:25:26.7							
GUNZ	e PKPbc	Z	03:25:10.0	146.2	11.1					

	e pPKPbc	Z	03:25:27.2			
NOTT	e PKPbc	Z	03:25:11.8	146.8	10.9	
	e pPKPbc	Z	03:25:29.0			
GRA1	e PKPbc	Z	03:25:12.6	147.0	9.4	
	e pPKPbc	Z	03:25:30.5			
WLF	e PKPbc	Z	03:25:13.3	147.3	0.5	
WET	e PKPbc	Z	03:25:13.5	147.3	12.5	
GEC2	e PKPbc	Z	03:25:13.5	147.5	14.0	
STU	e PKPbc	Z	03:25:15.1	148.1	6.0	
FUR	e PKPbc	Z	03:25:16.5	148.5	9.9	
BFO	e PKPbc	Z	03:25:16.3	148.6	4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	07:15:38.6	42.975N	14.819E	10.0G			3.5	SZGRF

Central Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
OBKA	e Pn	Z	07:16:33.6	3.5	176.8					3.8
KBA	e Pn	Z	07:16:43.5	4.2	165.2					3.4
ARSA	e Pn	Z	07:16:43.1	4.3	186.9					3.2
	e Sn	N	07:17:33.3							
MOA	e Pn	Z	07:16:52.1	4.9	175.2					
GEC2	e Pn	Z	07:17:05.3	5.9	172.0					
	e Sn	E	07:18:11.4							
WET	e Pn	Z	07:17:10.8	6.3	167.0					
	e Sn	E	07:18:20.2							
NOTT	e Pn	Z	07:17:20.5	7.1	163.8					
GUNZ	e Pn	Z	07:17:28.7	7.6	166.1					
MOX	e Pn	Z	07:17:34.0	8.0	162.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	08:52:48.5	6.120N	93.630E	33.0N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:04:48.1	78.8	94.1					
GEC2	e P	Z	09:04:48.5	78.8	93.6	0.9	16	5.0		
RUE	e P	Z	09:04:49.5	79.0	94.3					
WET	e P	Z	09:04:51.4	79.3	93.0					
CLL	e P	Z	09:04:51.0	79.4	93.5					
GUNZ	e P	Z	09:04:53.8	79.7	92.8					
WERD	e P	Z	09:04:53.5	79.8	92.8					
NOTT	e P	Z	09:04:54.3	79.9	92.5					
GRA1	e P	Z	09:04:57.6	80.4	91.8	0.8	18	5.0		
CLZ	e P	Z	09:05:00.4	81.0	91.5	0.6	9	5.0		

BSEG	e P	Z	09:05:00.9	81.1	91.8					
BFO	e P	Z	09:05:06.8	82.3	89.4	0.9		9	4.9	
BUG	e P	Z	09:05:11.2	83.0	89.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	17:36:31.0	59.664N	148.212W	33.0N	4.6			SZGRF

Kenai Peninsula, Alaska, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:47:35.8	69.4	349.1	1.1	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	20:07:41.3							
GEC2	e P	Z	20:07:43.3							
GRA1	e P	Z	20:07:53.7							
	e		20:08:00.6							
MOX	e P	Z	20:07:51.2							
WET	e P	Z	20:07:46.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	20:48: 2.3	52.750N	174.210E	33.0N	5.2	4.6		SZGRF

Near Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:59:28.1	72.5	10.1	1.5	68	5.6		
RUE	e P	Z	20:59:34.7	73.5	12.2	1.0	20	5.1		
NRDL	e P	Z	20:59:36.7	73.9	9.9	1.1	15	4.9		
IBBN	e P	Z	20:59:39.0	74.3	8.5	1.3	68	5.5		
CLZ	e P	Z	20:59:40.4	74.5	10.1	1.3	39	5.3		
CLL	e P	Z	20:59:41.2	74.7	11.7					
BRG	e P	Z	20:59:42.9	75.1	12.2	1.4	26	5.1		
BUG	e P	Z	20:59:44.1	75.2	8.1	1.2	35	5.3		
MOX	e P	Z	20:59:46.3	75.6	10.8	1.5	26	5.1		
UBBA	e P	Z	20:59:46.9	75.6	9.8	1.6	29	5.2		
WERD	e P	Z	20:59:46.5	75.7	11.2	1.5	25	5.1		
GUNZ	e P	Z	20:59:47.2	75.8	11.2	1.2	15	5.0		
NOTT	e P	Z	20:59:50.5	76.3	11.0	1.7	25	5.1		
GRA1	e P	Z	20:59:52.0	76.6	10.5	1.4	38	5.3		
	e L	Z	21:37:18.1			18.9	307		4.6	
WET	e P	Z	20:59:53.8	76.9	11.5	1.3	14	4.9		

GEC2	e P	Z	20:59:54.5	77.1	12.0	1.4	17	5.0
WLF	e P	Z	20:59:54.9	77.1	7.4	1.6	51	5.4
STU	e P	Z	20:59:58.4	77.7	9.2	1.1	26	5.3
FUR	e P	Z	21:00:00.5	78.0	10.5	1.0	23	5.3
BFO	e P	Z	21:00:00.5	78.2	8.7	1.1	16	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/13	23:53: 3.7	47.470N	153.650E	33.0N	5.4			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	00:04:38.3	73.9	24.8	1.4	48	5.3		
RUE	e P	Z	00:04:40.6	74.4	26.9	1.3	46	5.4		
NRDL	e P	Z	00:04:46.0	75.3	24.5	1.2	29	5.3		
CLL	e P	Z	00:04:47.5	75.6	26.3	1.1	59	5.6		
BRG	e P	Z	00:04:48.0	75.7	26.8	1.2	25	5.2		
CLZ	e P	Z	00:04:49.6	75.8	24.6	1.3	73	5.6		
IBBN	e P	Z	00:04:50.2	76.1	23.0	1.1	28	5.3		
WERD	e P	Z	00:04:53.2	76.6	25.7	1.3	30	5.3		
MOX	e P	Z	00:04:53.1	76.6	25.3	1.2	38	5.4		
GUNZ	e P	Z	00:04:53.7	76.7	25.7	1.2	31	5.3		
UBBA	e P	Z	00:04:54.7	76.9	24.3	1.9	76	5.5		
BUG	e P	Z	00:04:55.2	77.0	22.6	0.9	26	5.4		
NOTT	e P	Z	00:04:56.1	77.2	25.5	1.1	32	5.4		
GRA1	e P	Z	00:04:58.8	77.6	25.0	1.2	87	5.7		
WET	e P	Z	00:04:59.3	77.6	26.0	1.1	37	5.4		
GEC2	e P	Z	00:04:59.1	77.6	26.4	1.1	15	5.0		
FUR	e P	Z	00:05:06.7	78.9	24.9	1.1	54	5.5		
STU	e P	Z	00:05:06.2	78.9	23.6	0.8	19	5.2		
BFO	e P	Z	00:05:09.7	79.6	23.0	1.2	32	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	00:11:35.5	20.120S	179.330W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
NRDL	e PKPbc	Z	00:31:13.6	146.8	16.3					
IBBN	e PKPbc	Z	00:31:15.5	147.3	12.4					
CLL	e PKPbc	Z	00:31:15.1	147.3	21.8					
CLZ	e PKPbc	Z	00:31:15.4	147.4	17.1					
BRG	e PKPbc	Z	00:31:15.8	147.5	23.7					
MOX	e PKPbc	Z	00:31:17.9	148.3	19.8					
WERD	e PKPbc	Z	00:31:18.1	148.3	21.1					
GUNZ	e PKPbc	Z	00:31:18.5	148.4	21.2					
NOTT	e PKPbc	Z	00:31:19.9	148.9	21.2					

GRA1	e PKPbc	Z	00:31:20.9	149.3	19.7	
GEC2	e PKPbc	Z	00:31:21.2	149.4	24.6	
WLF	e PKPbc	Z	00:31:23.1	150.1	10.4	
STU	e PKPbc	Z	00:31:23.9	150.5	16.4	
FUR	e PKPbc	Z	00:31:24.1	150.7	20.7	
BFO	e PKPbc	Z	00:31:25.0	151.1	15.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	03:49:29.0	51.578N	159.256E	33.0N	4.7			SZGRF

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:01:08.4	75.1	19.9	0.9	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	08:33:14.1	6.810S	152.070E	28.6		6.0		SZGRF

New Britain, Papua New Guinea, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	08:52:09.5	123.7	47.6					
BRG	e PKPdf	Z	08:52:10.3	124.0	53.0					
CLL	e PKPdf	Z	08:52:10.8	124.2	51.8					
	e PP	Z	08:53:55.5							
NRDL	e PKPdf	Z	08:52:12.3	124.8	48.1					
WERD	e PKPdf	Z	08:52:11.2	125.0	51.6					
CLZ	e PKPdf	Z	08:52:12.0	125.1	48.8					
GUNZ	e PKPdf	Z	08:52:12.0	125.1	51.6					
MOX	e PKPdf	Z	08:52:11.9	125.3	50.7					
	e PP	Z	08:54:02.6							
GEC2	e PKPdf	Z	08:52:11.4	125.3	53.9					
NOTT	e PKPdf	Z	08:52:13.1	125.5	51.7					
WET	e PKPdf	Z	08:52:13.8	125.5	52.9					
IBBN	e PKPdf	Z	08:52:13.2	125.9	45.7					
GRA1	e PKPdf	Z	08:52:13.6	126.1	50.8					
	e pPKPdf	Z	08:52:22.2							
	e PP	Z	08:54:06.6							
	e PS	E	09:04:05.8							
	e SS	N	09:11:13.3							
	e L	Z	09:53:10.9			18.8	3201	6.0		
BUG	e PKPdf	Z	08:52:17.1	126.8	45.6					
FUR	e PKPdf	Z	08:52:17.5	127.0	51.8					
BFO	e PKPdf	Z	08:52:15.5	128.4	48.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	16:22:14.2	10.099N	93.056E	33.0N	5.0			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:34:04.4	77.0	89.6	1.1	12	5.0		
	e		16:34:07.6							
	e		16:34:22.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	17:08:41.3	5.280N	94.620E	55.2	5.2			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:20:45.1	80.0	93.9					
GEC2	e P	Z	17:20:45.4	80.1	93.4	1.2	41	5.2		
WET	e P	Z	17:20:48.2	80.6	92.8					
CLL	e P	Z	17:20:47.9	80.6	93.2					
MOX	e P	Z	17:20:52.7	81.5	92.1					
GRA1	e P	Z	17:20:54.2	81.7	91.6	1.1	22	5.2		
	e pP	Z	17:21:09.9							
CLZ	e P	Z	17:20:56.9	82.3	91.3	1.1	21	5.2		
BSEG	e P	Z	17:20:57.5	82.4	91.5					
STU	e P	Z	17:21:00.9	83.0	89.9					
BFO	e P	Z	17:21:03.1	83.6	89.2	1.1	12	5.0		
IBBN	e P	Z	17:21:05.2	83.9	89.2					
BUG	e P	Z	17:21:07.3	84.2	88.8	1.0	21	5.3		
WLF	e P	Z	17:21:11.1	85.0	87.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	19:08: 4.7	35.620N	27.050E	10.0G	4.2			SZGRF

Dodecanese Islands, Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	19:12:01.0	16.5	138.5	0.8	7	3.8		
WET	e P	Z	19:12:07.3	17.0	137.2	1.1	15	4.1		
GRA1	e P	Z	19:12:21.3	18.2	134.7	1.5	22	4.2		
MOX	e P	Z	19:12:26.1	18.7	137.6	1.1	13	4.1		
BFO	e P	Z	19:12:26.5	18.8	125.8	2.5	69	4.4		
CLZ	e P	Z	19:12:42.3	20.1	137.3	1.1	7	4.0		
BSEG	e P	Z	19:12:58.5	21.7	140.7	1.3	20	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	21:38:17.8	3.611N	94.751E	33.0N	5.5			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	21:50:31.5	81.4	94.4	1.1	52	5.5		
BRG	e P	Z	21:50:31.5	81.4	94.9	1.3	32	5.2		
WET	e P	Z	21:50:34.4	82.0	93.8	2.1	98	5.6		
CLL	e P	Z	21:50:34.2	82.0	94.2	1.0	14	5.0		
MOX	e P	Z	21:50:38.9	82.9	93.0	1.8	49	5.4		
FUR	e P	Z	21:50:39.1	83.0	92.5	1.5	59	5.6		
GRA1	e P	Z	21:50:40.4	83.1	92.6	1.3	55	5.6		
CLZ	e P	Z	21:50:42.6	83.7	92.2	1.8	84	5.7		
BSEG	e P	Z	21:50:43.5	83.8	92.4	1.7	71	5.6		
BFO	e P	Z	21:50:49.1	84.9	90.3	1.8	44	5.4		
IBBN	e P	Z	21:50:51.7	85.3	90.2	1.4	54	5.6		
BUG	e P	Z	21:50:53.4	85.6	89.7	1.3	37	5.4		
WLF	e P	Z	21:50:57.0	86.3	88.7	1.2	32	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/14	22:51:21.6	4.670N	95.390E	55.1	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:03:30.3	81.0	93.7	1.1	9	4.7		
GEC2	e P	Z	23:03:30.2	81.0	93.2	1.1	11	4.8		
WET	e P	Z	23:03:33.0	81.6	92.6	2.2	28	5.0		
GRA1	e P	Z	23:03:39.1	82.7	91.4	1.0	13	5.1		
	e pP	Z	23:03:54.9							
BSEG	e P	Z	23:03:42.3	83.3	91.2	1.6	19	5.1		
BUG	e P	Z	23:03:51.9	85.2	88.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	00:37:42.7	22.020S	176.180W	33.0N				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	00:57:24.1	147.7	11.3					
RUE	e PKPbc	Z	00:57:26.1	148.6	17.9					
NRDL	e PKPbc	Z	00:57:27.8	149.1	11.4					
IBBN	e PKPbc	Z	00:57:29.3	149.6	7.2					
	e PKPab	Z	00:57:33.9							
CLZ	e PKPbc	Z	00:57:29.5	149.8	12.1					
CLL	e PKPbc	Z	00:57:29.2	149.9	17.1					
	e PKPab	Z	00:57:34.7							
BRG	e PKPbc	Z	00:57:29.8	150.1	19.1					

	e PKPab	Z	00:57:35.4			
MOX	e PKPbc	Z	00:57:31.6	150.7	14.9	
NOTT	e PKPbc	Z	00:57:33.1	151.4	16.3	
	e PKPab	Z	00:57:42.2			
GRA1	e PKPab	Z	00:57:42.9	151.7	14.6	
GEC2	e PKPbc	Z	00:57:34.5	152.0	19.8	
WLF	e PKPbc	Z	00:57:36.5	152.3	4.7	
STU	e PKPbc	Z	00:57:37.2	152.9	11.0	
FUR	e PKPab	Z	00:57:49.0	153.2	15.5	
BFO	e PKPbc	Z	00:57:37.8	153.4	9.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	00:58:10.3	20.950S	178.490W	33.0N				SZGRF

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	01:17:47.4	146.3	14.9					
RUE	e PKPbc	Z	01:17:49.5	147.1	21.4					
CLL	e PKPbc	Z	01:17:53.0	148.3	20.8					
	e PKPab	Z	01:17:56.1							
CLZ	e PKPbc	Z	01:17:53.4	148.3	15.9					
BRG	e PKPbc	Z	01:17:53.6	148.5	22.6					
NOTT	e PKPbc	Z	01:17:57.4	149.9	20.1					
GRA1	e PKPbc	Z	01:17:58.1	150.2	18.5					
	e PKPab	Z	01:18:04.3							
GEC2	e PKPbc	Z	01:17:58.8	150.5	23.6					
WLF	e PKPbc	Z	01:18:00.4	151.0	9.0					
STU	e PKPbc	Z	01:18:00.9	151.5	15.2					
FUR	e PKPbc	Z	01:18:01.2	151.7	19.5					
BFO	e PKPbc	Z	01:18:02.0	152.1	13.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	01:55:56.7	5.742N	91.239E	33.0N	4.4			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:07:58.7	79.2	93.9	1.2	6	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	05:13:25.8	4.160S	39.110E	33.0N	5.3			SZGRF

Kenya

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

GEC2	e P	Z	05:23:10.8	57.4	149.5	1.2	41	5.3
WET	e P	Z	05:23:13.8	58.0	148.7	1.1	13	4.9
NOTT	e P	Z	05:23:19.5	58.8	148.1	1.4	32	5.2
GRA1	e P	Z	05:23:21.3	59.0	147.0	1.1	38	5.3
BRG	e P	Z	05:23:21.5	59.1	150.4	1.2	18	5.0
GUNZ	e P	Z	05:23:22.7	59.2	148.5	1.4	29	5.1
WERD	e P	Z	05:23:23.2	59.3	148.5	1.2	38	5.3
MOX	e P	Z	05:23:26.1	59.7	147.8	1.3	25	5.1
CLL	e P	Z	05:23:26.5	59.8	149.5	1.3	31	5.2
UBBA	e P	Z	05:23:30.6	60.4	146.1	1.6	26	5.0
RUE	e P	Z	05:23:32.1	60.6	150.7	1.2	69	5.5
NRDL	e P	Z	05:23:40.2	61.7	146.7	1.2	28	5.4
IBBN	e P	Z	05:23:44.6	62.4	144.2	1.3	48	5.6
BSEG	e P	Z	05:23:47.6	62.9	147.3	1.5	40	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	07:46:58.5	15.420N	92.130E	31.1	5.5	5.0		SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:58:12.3	70.7	89.1	1.1	30	5.3		
RUE	e P	Z	07:58:12.7	70.8	89.5	1.0	77	5.8		
GEC2	e P	Z	07:58:13.3	70.9	88.2	0.9	26	5.3		
CLL	e P	Z	07:58:15.3	71.3	88.5	1.8	62	5.4		
WET	e P	Z	07:58:16.6	71.4	87.7	1.3	44	5.4		
GUNZ	e P	Z	07:58:18.4	71.7	87.7	1.6	52	5.4		
WERD	e P	Z	07:58:18.4	71.7	87.7	1.1	27	5.3		
	e pP	Z	07:58:27.2							
NOTT	e P	Z	07:58:20.0	71.9	87.4	1.5	67	5.5		
MOX	e P	Z	07:58:21.2	72.2	87.2	1.9	97	5.6		
GRA1	e P	Z	07:58:23.0	72.5	86.6	1.4	71	5.6		
	e pP	Z	07:58:32.0							
	e L	Z	08:33:32.3			21.9	912		5.0	
BSEG	e P	Z	07:58:25.0	72.8	87.3	1.1	68	5.7		
CLZ	e P	Z	07:58:25.3	72.9	86.7	1.6	99	5.7		
	e pP	Z	07:58:34.2							
NRDL	e P	Z	07:58:26.5	73.0	86.7	1.5	86	5.7		
IBBN	e P	Z	07:58:34.5	74.4	84.8	1.6	123	5.7		
BUG	e P	Z	07:58:36.6	74.8	84.2	1.4	64	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	09:05:54.5	32.184N	48.541E	33.0N	4.3			SZGRF

Western Iran

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

GRA1	e P	Z	09:12:24.2	32.7	108.2	0.9	3	4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	11:41:55.1	7.967N	70.389W	33.0N	4.6			SZGRF

Venezuela

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:53:53.4	78.5	268.8	1.3	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	12:23:35.9	13.820N	93.801E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:35:12.9	74.7	86.5	1.2	10	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	13:45:19.5	13.436N	97.354E	33.0N	4.9			SZGRF

Near south coast of Myanmar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:57:11.1	77.3	84.1	1.1	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	13:46:59.7	6.400S	105.200E	15.0N		4.9		NEIC-M

Sunda Strait, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z	14:00:33.2	97.4	91.1					
	e PP	Z	14:04:28.8							
	e L	Z	14:51:53.6			20.7	452		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15	16:44:12.8	4.189N	95.041E	33.0N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:56:34.1	82.8	92.0	1.1	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/15								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z	17:18:51.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:20:50.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:23:33.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:33:03.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	08:25: 4.8	26.100S	175.080W	33.0G		6.4		SZGRF

South of Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	08:44:51.0	151.9	10.3					
	e PKPbc	Z	08:44:57.3							
	e PKPab	Z	08:45:05.5							
RUE	e PKPdf	Z	08:44:52.3	152.8	17.6					
	e PKPbc	Z	08:44:59.5							
	e PP	Z	08:48:39.8							
NRDL	e PKPbc	Z	08:45:00.5	153.3	10.4					
IBBN	e PKPdf	Z	08:44:53.6	153.7	5.8					
	e PKPbc	Z	08:45:01.6							
	e PKPab	Z	08:45:13.3							

CLZ	e	PKPdf	Z	08:44:54.0	153.9	11.2			
	e	PKPbc	Z	08:45:01.9					
	e	PKPab	Z	08:45:14.1					
CLL	e	PKPdf	Z	08:44:54.1	154.1	16.8			
	e	PKPbc	Z	08:45:01.8					
	e	PKPab	Z	08:45:14.8					
	e	PP	Z	08:48:46.3					
BRG	e	PKPdf	Z	08:44:53.8	154.3	18.9			
	e	PKPbc	Z	08:45:02.5					
BUG	e	PKPdf	Z	08:44:54.9	154.6	4.9			
	e	PKPbc	Z	08:45:03.4					
	e	PKPab	Z	08:45:17.1					
MOX	e	PKPdf	Z	08:44:55.5	154.9	14.3			
	e	PKPbc	Z	08:45:03.8					
	e	PKPab	Z	08:45:18.2					
UBBA	e	PKPdf	Z	08:44:55.5	155.0	10.8			
	e	PKPab	Z	08:45:18.0					
WERD	e	PKPdf	Z	08:44:55.1	155.0	15.9			
	e	PKPbc	Z	08:45:04.3					
	e	PKPab	Z	08:45:18.7					
GUNZ	e	PKPdf	Z	08:44:55.4	155.1	16.0			
	e	PKPbc	Z	08:45:04.7					
	e	PKPab	Z	08:45:19.0					
	e	PP	Z	08:48:51.5					
NOTT	e	PKPdf	Z	08:44:55.4	155.6	15.8			
	e	PKPab	Z	08:45:21.3					
GRA1	e	PKPdf	Z	08:44:56.9	155.9	14.0			
	e	PKPab	Z	08:45:22.8					
	e	PP	Z	08:48:55.7					
	e	L	Z	10:01:24.1			20.6	5692	6.4
WET	e	PKPdf	Z	08:44:56.7	156.1	17.9			
	e	PKPab	Z	08:45:23.6					
	e	PP	Z	08:48:58.8					
GEC2	e	PKPdf	Z	08:44:57.0	156.2	19.9			
	e	PKPab	Z	08:45:24.1					
WLF	e	PKPdf	Z	08:44:57.8	156.4	2.8			
	e	PKPab	Z	08:45:25.6					
STU	e	PKPdf	Z	08:44:58.0	157.1	9.9			
FUR	e	PKPdf	Z	08:44:59.1	157.4	15.0			
	e	PKPab	Z	08:45:29.0					
BFO	e	PKPdf	Z	08:44:58.5	157.6	8.1			
	e	PKPab	Z	08:45:29.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	08:41:34.0	8.143N	89.557E	33.0N	4.7			SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:53:19.7	76.3	93.6	1.0	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:34:57.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	10:38:50.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:19:03.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	11:32: 9.2	8.646N	91.978E	31.3	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:44:01.6	77.4	91.4	1.5	12	4.8		
	e pP	Z	11:44:10.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:04:18.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	16:40:59.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	18:04:33.6	51.900N	157.020E	33.0N	4.9			SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	18:15:48.2	70.6	21.0	1.1	12	5.0		
CLL	e P	Z	18:15:58.6	72.4	22.4	0.7	11	5.1		
CLZ	e P	Z	18:15:59.9	72.5	20.8	1.2	18	5.1		
IBBN	e P	Z	18:16:00.3	72.6	19.3	0.6	17	5.4		
MOX	e P	Z	18:16:04.1	73.4	21.4	0.9	8	4.8		
WERD	e P	Z	18:16:04.7	73.4	21.8	1.2	9	4.7		
GUNZ	e P	Z	18:16:05.2	73.5	21.8	1.2	10	4.7		
GRA1	e P	Z	18:16:10.5	74.3	21.1	0.8	13	5.0		
WET	e P	Z	18:16:11.2	74.5	22.0	1.2	13	4.8		
GEC2	e P	Z	18:16:11.5	74.5	22.5	0.9	5	4.5		
BFO	e P	Z	18:16:21.3	76.3	19.3	0.6	6	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	20:17:56.7	10.826N	140.870E	55.0G		7.1		NEIC-M

Western Caroline Islands, Micronesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e Pdiff	Z	20:31:46.3	102.2	53.3					
BSEG	e Pdiff	Z	20:31:49.1	103.0	50.0					
BRG	e Pdiff	Z	20:31:50.1	103.1	53.7					
CLL	e Pdiff	Z	20:31:50.7	103.3	52.8					
NRDL	e Pdiff	Z	20:31:54.2	104.0	50.1					
WERD	e Pdiff	Z	20:31:55.0	104.2	52.4					
GUNZ	e Pdiff	Z	20:31:55.3	104.2	52.4					
CLZ	e Pdiff	Z	20:31:55.7	104.3	50.4					
MOX	e Pdiff	Z	20:31:55.9	104.4	51.7					
GEC2	e Pdiff	Z	20:31:56.0	104.4	53.9					
NOTT	e Pdiff	Z	20:31:57.5	104.7	52.4					
WET	e Pdiff	Z	20:31:57.4	104.7	53.1					
UBBA	e Pdiff	Z	20:31:59.0	105.1	50.3					
IBBN	e Pdiff	Z	20:31:59.3	105.2	48.0					
GRA1	e Pdiff	Z	20:31:59.7	105.2	51.6					
	e PKKPbc	Z	20:47:38.0							
	e PKKPab	Z	20:47:55.5							
	e L	Z	21:22:13.3			19.8	56608		7.1	
BUG	e Pdiff	Z	20:32:02.8	106.0	47.7					

FUR	e Pdiff	Z	20:32:04.2	106.1	52.0
STU	e Pdiff	Z	20:32:06.7	106.8	50.0
BFO	e Pdiff	Z	20:32:09.8	107.5	49.4
WLF	e Pdiff	Z	20:32:11.2	107.7	47.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16	22:47:32.0	8.500N	92.500E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:59:18.6	76.2	93.5	0.9	11	5.0		
GEC2	e P	Z	22:59:19.0	76.2	92.8	1.0	18	5.2		
RUE	e P	Z	22:59:19.4	76.4	93.7	0.9	35	5.5		
WET	e P	Z	22:59:21.9	76.8	92.2	1.1	14	5.0		
GUNZ	e P	Z	22:59:24.1	77.2	92.1	1.4	14	4.9		
WERD	e P	Z	22:59:24.1	77.2	92.1	0.9	8	4.8		
NOTT	e P	Z	22:59:24.8	77.3	91.8	1.1	10	4.9		
MOX	e P	Z	22:59:26.6	77.7	91.6	0.9	8	4.8		
GRA1	e P	Z	22:59:28.3	77.9	91.1	0.9	15	5.1		
CLZ	e P	Z	22:59:30.9	78.5	90.9	0.9	18	5.1		
BSEG	e P	Z	22:59:31.2	78.5	91.3	1.1	37	5.3		
NRDL	e P	Z	22:59:33.0	78.6	90.8	1.7	37	5.1		
STU	e P	Z	22:59:35.1	79.2	89.4	0.6	10	5.0		
BFO	e P	Z	22:59:38.2	79.8	88.6	1.2	14	4.7		
IBBN	e P	Z	22:59:39.7	80.1	88.9	1.0	30	5.2		
BUG	e P	Z	22:59:42.3	80.4	88.4	1.6	49	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/16								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:10:00.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	00:36:17.2	6.127N	95.211E	45.2	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:48:27.8	81.4	90.6	1.0	19	5.1		
	e pP	Z	00:48:40.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	01:09:43.8							
	e pPKP	Z	01:10:02.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	02:45:20.4							

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:56:49.0							
	e pP	Z	02:56:52.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	02:53:34.0	2.600N	96.120E	33.0N	5.1			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	03:05:56.5	83.1	94.0	1.7	42	5.4		
RUE	e P	Z	03:05:57.5	83.3	94.5	1.1	36	5.5		
WET	e P	Z	03:05:59.6	83.6	93.4	0.9	11	5.1		
GUNZ	e P	Z	03:06:01.6	84.0	93.1	0.9	5	4.7		
WERD	e P	Z	03:06:01.9	84.1	93.1	0.7	3	4.7		
GRA1	e P	Z	03:06:05.3	84.7	92.2	1.9	64	5.5		
CLZ	e P	Z	03:06:08.1	85.3	91.7	0.9	11	5.1		
BSEG	e P	Z	03:06:08.6	85.4	91.9	1.0	18	5.3		
STU	e P	Z	03:06:11.5	86.0	90.6	0.7	11	5.1		
BFO	e P	Z	03:06:14.2	86.6	89.9	1.0	13	5.0		
IBBN	e P	Z	03:06:16.5	86.9	89.7	0.7	15	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	03:55:52.7	15.570N	92.310E	36.4	5.1			SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:07:05.3	70.7	88.9	1.0	18	5.1		
RUE	e P	Z	04:07:05.9	70.8	89.3	1.0	38	5.5		
GEC2	e P	Z	04:07:06.7	70.9	88.0	1.0	19	5.2		
CLL	e P	Z	04:07:08.3	71.3	88.3	1.1	12	4.9		
	e pP	Z	04:07:19.1							
WET	e P	Z	04:07:10.1	71.4	87.5	1.2	18	5.1		
GUNZ	e P	Z	04:07:11.9	71.7	87.5	1.2	20	5.1		

WERD	e P	Z	04:07:11.9	71.7	87.5	1.2	20	5.1
NOTT	e P	Z	04:07:13.0	71.9	87.1	1.4	18	5.0
MOX	e P	Z	04:07:14.3	72.2	87.0	0.9	9	4.9
GRA1	e P	Z	04:07:16.6	72.5	86.4	1.1	20	5.2
	e pP	Z	04:07:27.2					
FUR	e P	Z	04:07:16.2	72.5	86.0	0.8	13	5.1
CLZ	e P	Z	04:07:18.5	72.9	86.4	0.9	15	5.1
NRDL	e P	Z	04:07:19.6	73.0	86.4	1.5	41	5.3
	e pP	Z	04:07:29.7					
BUG	e P	Z	04:07:29.9	74.8	83.9	1.4	42	5.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:25:03.7			1.0	6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	07:36:18.3	43.030N	147.797E	33.0N	4.5			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:48:23.8	79.8	30.7	0.9	6	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	10:50:32.4	11.000N	140.600E	10.0N		6.4		NEIC-M

Western Caroline Islands, Micronesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z	11:04:41.1	104.9	51.7					
	e L	Z	11:54:59.9			19.0	10415		6.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17	17:07:52.1	5.268N	94.510E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:20:07.3	81.6	91.7	1.4	13	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/17								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:38:36.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	00:56:37.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	03:02:41.1	22.126N	97.950E	100.4	4.8			SZGRF

Myanmar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:13:49.4	71.3	77.6	1.0	8	4.8		
	e pP	Z	03:14:14.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	04:46:27.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	05:51: 9.9	57.471N	28.400W	33.0N	4.6			SZGRF

North Atlantic Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:56:25.4	24.4	303.8	2.2	45	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	06:59: 7.0	58.630N	34.100W	33.0N	5.6	5.2		SZGRF

Reykjanes Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z	07:04:20.6	24.1	301.8	1.4	220	5.5		

BUG	e	P	Z	07:04:23.0	24.3	303.4	1.6	238	5.5
WLF	e	P	Z	07:04:27.4	24.8	306.6	2.3	409	5.7
NRDL	e	P	Z	07:04:32.3	25.2	301.7	1.5	261	5.7
CLZ	e	P	Z	07:04:36.1	25.7	302.8	1.7	187	5.4
BFO	e	P	Z	07:04:44.5	26.7	308.6	1.6	76	5.2
STU	e	P	Z	07:04:46.6	26.9	307.9			
MOX	e	P	Z	07:04:47.9	27.0	304.9	1.7	239	5.7
CLL	e	P	Z	07:04:50.5	27.4	304.0	1.7	156	5.6
GRA1	e	P	Z	07:04:51.0	27.4	306.4	1.5	217	5.7
	e	PcP	Z	07:08:08.2					
	e	L	Z	07:14:10.1			21.0	6361	5.2
WERD	e	P	Z	07:04:52.3	27.5	305.3	1.8	226	5.7
GUNZ	e	P	Z	07:04:52.3	27.6	305.4	1.9	293	5.8
NOTT	e	P	Z	07:04:53.6	27.8	306.3	3.0	356	5.7
BRG	e	P	Z	07:04:57.2	28.1	304.8	2.2	196	5.6
WET	e	P	Z	07:05:00.9	28.6	307.3	1.8	140	5.5
GEC2	e	P	Z	07:05:07.1	29.2	307.8	2.2	175	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	12:50:43.5	39.530N	139.830E	33.0N	5.1			SZGRF

Near west coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 13:02:40.3	78.0	39.7	0.8	7	4.8		
CLL	e	P	Z 13:02:40.3	78.0	39.1	0.8	12	5.1		
CLZ	e	P	Z 13:02:44.2	78.6	37.4	1.5	30	5.1		
GUNZ	e	P	Z 13:02:46.8	79.0	38.6	1.4	21	5.0		
IBBN	e	P	Z 13:02:47.4	79.2	35.7	1.1	28	5.1		
NOTT	e	P	Z 13:02:49.5	79.5	38.4	1.3	20	4.9		
GEC2	e	P	Z 13:02:49.7	79.6	39.3	1.2	11	4.7		
GRA1	e	P	Z 13:02:51.9	80.0	37.7	1.3	51	5.3		
STU	e	P	Z 13:02:59.8	81.5	36.3	0.7	25	5.4		
BFO	e	P	Z 13:03:02.8	82.2	35.7	1.0	20	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	14:09: 1.9	42.770N	145.680E	33.0N	6.5	6.3		SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e	P	Z 14:20:48.8	76.0	32.1	1.1	452	6.5		
RUE	e	P	Z 14:20:49.1	76.1	34.3	1.4	984	6.8		
HLG	e	P	Z 14:20:52.0	76.6	30.5	1.0	578	6.7		
NRDL	e	P	Z 14:20:55.8	77.3	31.8	1.8	807	6.5		
CLL	e	P	Z 14:20:55.6	77.4	33.6	1.0	453	6.6		
BRG	e	P	Z 14:20:55.9	77.4	34.1	1.8	630	6.5		

CLZ	e	P	Z	14:20:58.7	77.8	31.9	1.1	606	6.6
IBBN	e	P	Z	14:21:00.7	78.2	30.2	1.1	548	6.5
WERD	e	P	Z	14:21:01.3	78.3	33.0	1.8	616	6.3
GUNZ	e	P	Z	14:21:01.7	78.4	33.0	1.8	770	6.4
MOX	e	P	Z	14:21:01.5	78.4	32.6	1.8	772	6.4
UBBA	e	P	Z	14:21:03.2	78.8	31.5	1.8	539	6.3
NOTT	e	P	Z	14:21:04.8	78.9	32.8	1.6	591	6.4
BUG	e	P	Z	14:21:05.6	79.1	29.7	1.2	491	6.4
GEC2	e	P	Z	14:21:05.9	79.2	33.8	1.8	569	6.3
WET	e	P	Z	14:21:06.5	79.2	33.3	1.7	802	6.4
GRA1	e	P	Z	14:21:07.2	79.3	32.2	1.1	640	6.5
	e	L	Z	14:58:49.6			21.2	15991	6.3
FUR	e	P	Z	14:21:14.0	80.6	32.1	1.3	703	6.5
STU	e	P	Z	14:21:14.9	80.8	30.8	1.1	328	6.3
WLF	e	P	Z	14:21:15.9	81.0	28.8	2.0	1064	6.5
BFO	e	P	Z	14:21:18.3	81.5	30.2	1.3	354	6.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	15:30:34.0	36.126N	66.882E	33.0N	4.8			SZGRF

Hindu Kush, Afghanistan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 15:38:22.0	41.9	87.1	1.2	23	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	16:46:30.7	31.574N	50.821E	33.0N	4.6			SZGRF

Northern and central Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 16:53:16.2	34.5	106.6	0.7	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 17:31:43.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	20:35:26.7	8.801N	92.365E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:47:19.9	77.6	91.0	1.2	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	21:20:34.6	22.880S	180.020W	611.0				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPbc	Z	21:39:12.2	148.0	18.2					
RUE	e PKPbc	Z	21:39:13.5	148.6	24.9					
NRDL	e PKPbc	Z	21:39:15.6	149.4	18.5					
CLL	e PKPbc	Z	21:39:16.5	149.8	24.4					
	e PKPab	Z	21:39:24.5							
CLZ	e PKPbc	Z	21:39:17.1	150.0	19.4					
	e pPKPbc	Z	21:41:38.4							
IBBN	e PKPbc	Z	21:39:17.2	150.0	14.4					
	e PKPab	Z	21:39:25.5							
BRG	e PKPbc	Z	21:39:17.0	150.0	26.4					
	e PKPab	Z	21:39:25.6							
MOX	e PKPbc	Z	21:39:18.7	150.8	22.4					
	e PKPab	Z	21:39:28.7							
WERD	e PKPbc	Z	21:39:18.9	150.8	23.8					
	e PKPab	Z	21:39:29.0							
GUNZ	e PKPbc	Z	21:39:19.2	150.9	23.9					
	e PKPab	Z	21:39:29.3							
	e pPKPbc	Z	21:41:40.6							
BUG	e PKPbc	Z	21:39:18.8	150.9	13.9					
UBBA	e PKPbc	Z	21:39:18.7	151.0	19.3					
	e PKPab	Z	21:39:29.0							
NOTT	e PKPbc	Z	21:39:20.4	151.4	23.9					
	e PKPab	Z	21:39:31.8							
GRA1	e PKPbc	Z	21:39:21.3	151.8	22.3					
	e PKPab	Z	21:39:33.4							
	e pPKPbc	Z	21:41:41.2							
WET	e PKPbc	Z	21:39:20.9	151.8	25.8					
	e PKPab	Z	21:39:33.1							
GEC2	e PKPbc	Z	21:39:21.1	151.9	27.6					
	e PKPab	Z	21:39:33.2							
	e pPKPbc	Z	21:41:40.6							
WLF	e PKPbc	Z	21:39:23.8	152.8	12.5					
	e PKPab	Z	21:39:37.8							
STU	e PKPbc	Z	21:39:23.9	153.1	19.0					
	e PKPab	Z	21:39:38.6							
FUR	e PKPbc	Z	21:39:25.0	153.2	23.6					
	e PKPab	Z	21:39:39.0							
BFO	e PKPbc	Z	21:39:26.3	153.7	17.6					
	e PKPab	Z	21:39:41.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:16:42.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/18	23:47:23.0	13.108N	94.053E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:59:04.1	75.4	86.8	1.1	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:00:40.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	06:08:45.9	9.728N	95.107E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:20:45.0	78.7	88.3	1.0	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	06:11:31.9	34.230N	144.170E	33.0N	6.1	7.0		SZGRF

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	06:23:56.3	83.1	39.4	1.7	279	6.2		
	e S	T	06:34:13.5							
BSEG	e P	Z	06:23:57.2	83.3	36.9					
BRG	e P	Z	06:24:02.0	84.3	39.4	2.0	254	6.1		
	e S	T	06:34:27.6							
CLL	e P	Z	06:24:01.9	84.3	38.7	1.0	99	6.0		
CLZ	e P	Z	06:24:05.7	84.9	36.8	1.2	142	6.1		

WERD	e P	Z	06:24:07.2	85.3	38.2				
MOX	e P	Z	06:24:07.6	85.4	37.7				
	e S	T	06:34:38.1						
IBBN	e P	Z	06:24:08.3	85.5	34.9	1.4	212	6.1	
NOTT	e P	Z	06:24:10.3	85.8	38.0	1.6	243	6.1	
UBBA	e P	Z	06:24:09.7	85.9	36.5	1.8	192	5.9	
GEC2	e S	T	06:34:44.3	86.0	39.1				
WET	e S	T	06:34:45.5	86.1	38.5				
GRA1	e P	Z	06:24:12.4	86.3	37.3	1.3	449	6.4	
	e S	T	06:34:49.5						
	e L	Z	07:11:21.6			18.0	57241		7.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	06:28:24.9	42.260N	78.300E	33.0N	5.1			SZGRF

Lake Issyk-Kul, Kyrgyzstan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:36:27.6	43.6	75.2	0.7	17	4.9		
CLL	e P	Z	06:36:31.0	44.1	75.1	0.7	36	5.2		
GEC2	e P	Z	06:36:33.3	44.3	73.1	0.7	14	4.8		
WERD	e P	Z	06:36:36.5	44.7	73.8	0.9	15	4.9		
GUNZ	e P	Z	06:36:36.7	44.8	73.8	0.9	16	5.0		
WET	e P	Z	06:36:37.1	44.8	72.9	0.8	13	4.9		
BSEG	e P	Z	06:36:39.2	45.0	76.0	0.9	32	5.3		
NOTT	e P	Z	06:36:39.4	45.0	73.1	1.0	13	4.8		
MOX	e P	Z	06:36:39.5	45.1	73.6	0.8	13	4.9		
NRDL	e P	Z	06:36:42.9	45.5	74.4	0.8	28	5.3		
CLZ	e P	Z	06:36:42.8	45.5	74.0	0.8	13	5.0		
GRA1	e P	Z	06:36:44.3	45.6	72.5	0.7	47	5.6		
UBBA	e P	Z	06:36:46.6	46.0	72.8	0.8	13	5.0		
IBBN	e P	Z	06:36:54.0	46.9	72.8	0.6	28	5.6		
BFO	e P	Z	06:37:01.1	47.9	69.7	1.3	30	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	07:11:17.3	33.731N	139.861E	33.0N	5.0			SZGRF

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:23:49.7	85.0	40.7	1.4	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	09:00:47.6	7.669N	93.762E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:12:50.5	79.3	90.7	1.0	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	11:09:33.6	33.135N	138.886E	33.0N	5.0			SZGRF

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:22:06.5	85.1	41.7	1.2	11	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	13:51:58.5	33.910N	139.910E	33.0N	5.3			SZGRF

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	14:04:16.4	81.7	42.6	0.6	18	5.4		
BSEG	e P	Z	14:04:17.8	82.0	40.2	1.1	23	5.2		
BRG	e P	Z	14:04:22.4	82.8	42.6	0.9	10	5.1		
CLL	e P	Z	14:04:22.5	82.9	42.0	1.1	23	5.3		
CLZ	e P	Z	14:04:26.3	83.6	40.1	1.2	36	5.5		
WERD	e P	Z	14:04:27.2	83.8	41.4	1.2	15	5.1		
GUNZ	e P	Z	14:04:27.6	83.9	41.4	1.1	21	5.3		
MOX	e P	Z	14:04:27.5	84.0	40.9	1.1	14	5.1		
NOTT	e P	Z	14:04:30.2	84.4	41.2	1.2	24	5.3		
GEC2	e P	Z	14:04:30.4	84.4	42.3	1.0	11	5.0		
GRA1	e P	Z	14:04:32.7	84.8	40.6	1.0	26	5.4		
BUG	e P	Z	14:04:33.7	85.1	37.8	1.1	37	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	16:09:23.2	5.967N	94.302E	33.0N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:21:34.9	81.0	91.4	1.6	27	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	16:43:23.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	16:38:13.6	34.379N	142.187E	33.0N	4.9			SZGRF

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:50:47.9	85.4	38.7	1.1	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	19:04:49.4	50.450N	153.450E	33.0N	4.9			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	19:16:07.2	71.1	23.8	2.2	80	5.5		
CLL	e P	Z	19:16:16.7	72.8	25.1	1.2	17	5.1		
BRG	e P	Z	19:16:17.7	73.0	25.6	1.1	7	4.7		
CLZ	e P	Z	19:16:18.9	73.0	23.6	1.1	15	5.0		
WERD	e P	Z	19:16:23.1	73.8	24.6	1.4	13	4.8		
MOX	e P	Z	19:16:23.0	73.8	24.2	1.5	10	4.6		
GUNZ	e P	Z	19:16:23.5	73.9	24.6	1.0	8	4.7		
NOTT	e P	Z	19:16:27.0	74.4	24.4	1.4	13	4.8		
GRA1	e P	Z	19:16:29.2	74.8	23.8	1.0	24	5.2		
WET	e P	Z	19:16:29.4	74.8	24.8	1.0	8	4.7		
GEC2	e P	Z	19:16:29.4	74.9	25.2	0.8	4	4.5		
STU	e P	Z	19:16:36.5	76.2	22.5	0.8	18	5.2		
BFO	e P	Z	19:16:39.6	76.8	22.0	1.7	22	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	21:37:26.4	51.121N	157.382E	33.0N	4.9			SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:49:05.8	75.1	21.2	1.2	16	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/19	22:46:57.6	12.770N	92.210E	33.0N	5.0			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:58:23.4	72.7	90.9	1.1	14	5.0		
CLL	e P	Z	22:58:26.4	73.3	90.3	1.6	42	5.3		

WET	e P	Z	22:58:27.4	73.4	89.5	1.2	16	5.0
GUNZ	e P	Z	22:58:29.5	73.8	89.5	1.3	20	5.0
WERD	e P	Z	22:58:29.4	73.8	89.5	1.1	12	4.8
NOTT	e P	Z	22:58:30.6	73.9	89.1	1.4	17	4.9
MOX	e P	Z	22:58:31.9	74.2	89.0	1.2	16	4.9
GRA1	e P	Z	22:58:33.9	74.5	88.4	1.1	19	5.0
BSEG	e P	Z	22:58:36.1	75.0	88.9	1.1	23	5.1
CLZ	e P	Z	22:58:36.3	75.0	88.4	1.0	20	5.1
BFO	e P	Z	22:58:44.3	76.5	85.9	1.6	22	5.0
BUG	e P	Z	22:58:48.0	76.9	85.8	1.3	38	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/20	02:59: 8.8	50.002N	155.471E	19.5G		5.2		SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:10:51.4	75.7	22.8					
	e L	Z	03:45:47.8			21.7	1283		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/20	16:47: 2.0	3.794N	126.813E	10A	5.6	4.5		NEIC-M

Kepulauan Talaud, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pdiff	Z	17:00:54.0							
BSEG	e Pdiff	Z	17:00:56.5							
CLL	e Pdiff	Z	17:00:55.5							
CLZ	e Pdiff	Z	17:01:01.7							
GEC2	e Pdiff	Z	17:00:57.3							
GRA1	e Pdiff	Z	17:01:03.3							
GUNZ	e Pdiff	Z	17:00:58.8							
MOX	e Pdiff	Z	17:00:59.1							
NOTT	e Pdiff	Z	17:01:00.8							
WERD	e Pdiff	Z	17:00:59.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/20	19:26:40.3	5.300N	93.900E	29.5	5.2			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	19:38:57.3			1.4	16	5.1		
BRG	e P	Z	19:38:38.6			1.4	30	5.0		
	e pP	Z	19:38:47.7							

BSEG	e P	Z	19:38:51.4	1.2	65	5.6
CLL	e P	Z	19:38:41.6	1.1	14	4.8
CLZ	e P	Z	19:38:51.0	1.1	20	5.2
FUR	e P	Z	19:38:46.9	1.3	67	5.5
GEC2	e P	Z	19:38:38.8	1.2	40	5.2
GRA1	e P	Z	19:38:48.0	1.0	35	5.3
	e pP	Z	19:38:56.4			
GUNZ	e P	Z	19:38:44.0	1.3	23	5.0
MOX	e P	Z	19:38:46.4	1.5	30	5.1
NOTT	e P	Z	19:38:44.9	2.3	74	5.3
NRDL	e P	Z	19:38:51.9	1.3	38	5.4
RUE	e P	Z	19:38:39.6	1.3	66	5.4
WERD	e P	Z	19:38:43.7	2.0	55	5.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	01:36:13.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	04:31: 7.1	3.984N	75.916W	33.0N	5.2			SZGRF

Colombia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:43:40.1	85.1	270.4	1.7	27	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	05:22:57.8	8.678N	92.343E	30.9	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:34:51.7	77.7	91.1	1.2	16	5.0		
	e pP	Z	05:35:00.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	08:49:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	12:45:41.3	34.393N	139.949E	33.0N	5.5	5.8		SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e S	R	13:08:38.5	83.6	40.6					
GEC2	e S	R	13:08:39.2	84.0	42.0					
WET	e S	T	13:08:47.7	84.2	41.4					
GRA1	e P	Z	12:58:11.0	84.4	40.3	1.6	49	5.5		
	e L	Z	13:44:01.7			19.7	4194		5.8	
BUG	e S	R	13:08:41.5	84.7	37.5					
BFO	e S	R	13:09:01.1	86.7	38.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	13:45:29.8	0.058S	78.172W	33.0N	5.3	5.5		SZGRF

Ecuador

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:58:24.7	89.7	269.5	1.9	38	5.3		
	e S	E	14:09:06.6							
	e L	Z	14:41:25.6			20.4	1950		5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	14:28: 7.9	24.060N	122.410E	2.0N	5.2			SZGRF

Taiwan region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	14:40:31.4	82.3	60.9	1.1	13	5.1		
CLL	e P	Z	14:40:32.6	82.6	60.3	1.1	20	5.2		
BSEG	e P	Z	14:40:33.5	82.7	58.5	1.3	42	5.5		
WERD	e P	Z	14:40:37.1	83.4	59.7	1.1	12	5.0		
GEC2	e P	Z	14:40:37.5	83.4	60.5	1.1	24	5.3		
GUNZ	e P	Z	14:40:37.7	83.5	59.7	0.9	12	5.1		
NRDL	e P	Z	14:40:38.0	83.5	58.2	1.3	20	5.2		
MOX	e P	Z	14:40:38.9	83.7	59.2	1.3	11	4.9		
CLZ	e P	Z	14:40:39.5	83.7	58.4	1.1	16	5.2		
WET	e P	Z	14:40:39.6	83.8	60.0	0.6	4	4.8		
NOTT	e P	Z	14:40:39.9	83.9	59.5	1.3	15	5.1		
GRA1	e P	Z	14:40:42.8	84.4	58.8	1.2	25	5.3		
BUG	e P	Z	14:40:48.3	85.6	56.0					
STU	e P	Z	14:40:50.0	86.0	57.3	0.6	12	5.2		
BFO	e P	Z	14:40:53.5	86.7	56.6	1.7	29	5.1		
WLF	e P	Z	14:40:56.4	87.2	55.1	1.0	46	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	15:27:54.3	5.475N	64.771W	33.0N	5.0			SZGRF

Venezuela

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:39:43.1	76.8	262.8	1.6	19	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	17:58:58.4	32.650N	139.470E	33.0N	5.3	5.7		SZGRF

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	18:11:21.5	82.9	41.1	0.9	21	5.4		
	e PP	Z	18:14:33.4							
BRG	e P	Z	18:11:26.3	83.7	43.6	1.1	19	5.2		
	e PP	Z	18:14:38.9							
CLL	e P	Z	18:11:25.2	83.8	42.9	1.0	28	5.4		
	e PP	Z	18:14:38.8							
CLZ	e P	Z	18:11:30.1	84.5	41.0	1.0	30	5.5		
WERD	e P	Z	18:11:30.2	84.7	42.4	1.4	22	5.2		
GUNZ	e P	Z	18:11:30.7	84.8	42.4	0.9	22	5.4		
MOX	e P	Z	18:11:31.7	84.9	41.9	1.1	18	5.2		
IBBN	e P	Z	18:11:33.1	85.2	39.1					
NOTT	e P	Z	18:11:33.7	85.3	42.2	1.5	52	5.4		
GEC2	e P	Z	18:11:33.3	85.3	43.3	0.9	11	5.0		
UBBA	e P	Z	18:11:34.3	85.4	40.7	1.6	40	5.3		
WET	e P	Z	18:11:35.1	85.4	42.7	1.8	39	5.2		
GRA1	e P	Z	18:11:36.0	85.7	41.5	1.0	53	5.6		
	e S	E	18:22:08.7							
	e L	Z	18:59:28.4			19.4	2828		5.7	
BUG	e P	Z	18:11:37.0	86.0	38.7	0.9	34	5.5		
STU	e P	Z	18:11:44.1	87.3	40.0	0.9	22	5.5		
BFO	e P	Z	18:11:46.2	88.0	39.4	0.9	13	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	19:40: 1.3	11.612N	89.222E	44.5	4.7			SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:51:30.7	73.4	91.5	0.9	5	4.7		
	e pP	Z	19:51:43.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21	20:51:38.5	35.619N	141.890E	33.0N	4.9			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:04:06.8	84.2	38.3	1.2	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/21								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	21:13:43.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	02:56:13.8	21.629S	64.284W	33.0N	5.8			SZGRF

Southern Bolivia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:09:44.7	97.5	245.2	1.0	28	5.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	06:43:35.5	52.724N	168.118W	33.0N	5.3			SZGRF

Fox Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:55:28.7	77.6	359.6	1.5	35	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	09:17:59.4	2.317N	94.687E	33.0N	5.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:30:26.9	84.0	93.5	1.3	26	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	09:24:33.4	4.158N	94.807E	33.0N	5.2			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:36:54.1	82.7	92.2	1.0	16	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	11:27:40.0	31.048S	179.864E	33.0N				SZGRF

Kermadec Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPab	Z	11:48:06.1	155.9	22.4					
RUE	e PKPab	Z	11:48:08.6	156.3	30.8					
CLL	e PKPab	Z	11:48:13.8	157.5	30.6					
BRG	e PKPab	Z	11:48:14.6	157.6	33.1					
CLZ	e PKPab	Z	11:48:14.8	157.8	24.4					
IBBN	e PKPab	Z	11:48:14.7	158.0	18.3					
WERD	e PKPab	Z	11:48:18.5	158.5	30.2					
MOX	e PKPab	Z	11:48:18.3	158.5	28.5					
GUNZ	e PKPab	Z	11:48:18.9	158.6	30.4					
UBBA	e PKPab	Z	11:48:18.8	158.8	24.7					
BUG	e PKPab	Z	11:48:18.4	158.9	17.9					
NOTT	e PKPab	Z	11:48:21.5	159.1	30.7					
WET	e PKPab	Z	11:48:23.2	159.4	33.3					
GRA1	e PKPab	Z	11:48:23.2	159.5	28.8					
WLF	e PKPab	Z	11:48:27.3	160.8	16.6					
FUR	e PKPab	Z	11:48:29.1	160.8	31.0					
STU	e PKPab	Z	11:48:28.2	160.9	25.1					
BFO	e PKPab	Z	11:48:30.9	161.6	23.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	12:58:29.7	4.423N	95.157E	33.0N	5.3			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:10:50.5	82.7	91.8	0.9	16	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	18:38:12.8	13.519N	92.220E	33.0N	5.5			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:49:34.2	72.2	90.3					
RUE	e P	Z	18:49:34.6	72.3	90.7					
GEC2	e P	Z	18:49:35.3	72.3	89.5	1.0	49	5.6		

CLL	e P	Z	18:49:37.3	72.8	89.8				
WET	e P	Z	18:49:38.5	72.9	89.0	1.3		58	5.6
GUNZ	e P	Z	18:49:40.5	73.2	88.9				
WERD	e P	Z	18:49:40.4	73.2	88.9				
NOTT	e P	Z	18:49:41.8	73.4	88.6				
MOX	e P	Z	18:49:42.9	73.7	88.5				
GRA1	e P	Z	18:49:45.2	73.9	87.9	1.2		76	5.6
GRFO	e P	Z	18:49:45.2	73.9	87.9				
FUR	e P	Z	18:49:44.6	74.0	87.5				
BSEG	e P	Z	18:49:47.1	74.4	88.4				
CLZ	e P	Z	18:49:47.3	74.4	87.9	0.9		56	5.6
NRDL	e P	Z	18:49:48.4	74.5	87.8				
UBBA	e P	Z	18:49:48.7	74.7	87.3				
STU	e P	Z	18:49:52.5	75.3	86.1				
BFO	e P	Z	18:49:55.7	75.9	85.4	1.3		32	5.3
IBBN	e P	Z	18:49:56.4	76.0	85.9				
BUG	e P	Z	18:49:58.5	76.3	85.3				
WLF	e P	Z	18:50:04.2	77.2	84.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	20:30:20.7			N		6.7		SZGRF

Solomon Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PP	Z	20:51:50.4							
BRG	e PKPdf	Z	20:49:22.0							
	e PP	Z	20:51:21.1							
BSEG	e PKPdf	Z	20:49:20.5							
	e PP	Z	20:51:16.2							
BUG	e PKPdf	Z	20:49:26.4							
	e PP	Z	20:51:36.4							
CLL	e PKPdf	Z	20:49:21.9							
	e PP	Z	20:51:21.5							
CLZ	e PKPdf	Z	20:49:23.8							
	e PP	Z	20:51:26.8							
FUR	e PKPdf	Z	20:49:28.1							
	e PP	Z	20:51:42.8							
GEC2	e PKPdf	Z	20:49:24.9							
	e PP	Z	20:51:31.6							
GRA1	e Pdiff	Z	20:46:22.6							
	e PKPdf	Z	20:49:26.2							
	e PP	Z	20:51:36.1							
	e		20:52:56.8							
	e L	Z	21:48:50.5			21.2	17202		6.7	
IBBN	e PKPdf	Z	20:49:24.9							
	e PP	Z	20:51:30.7							
MOX	e PKPdf	Z	20:49:24.2							

	e PP	Z	20:51:29.2	
NOTT	e PKPdf	Z	20:49:25.0	
	e PP	Z	20:51:32.8	
NRDL	e PKPdf	Z	20:49:23.0	
	e PP	Z	20:51:23.8	
RUE	e PKPdf	Z	20:49:19.9	
	e PP	Z	20:51:13.7	
STU	e PKPdf	Z	20:49:29.2	
	e PP	Z	20:51:46.3	
UBBA	e PKPdf	Z	20:49:25.1	
	e PP	Z	20:51:32.7	
WET	e PKPdf	Z	20:49:25.4	
	e PP	Z	20:51:33.5	
WLF	e PKPdf	Z	20:49:30.9	
	e PP	Z	20:51:49.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/22	23:41:33.5	43.100N	146.081E	16.3	4.7			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:53:35.5	79.2	31.8	1.0	11	4.7		
	e pP	Z	23:53:40.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	01:22:53.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	03:32:42.8	10.962S	66.679E	17.4	5.0			SZGRF

Mid-Indian Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:44:36.0	77.6	124.1	1.2	16	5.0		
	e pP	Z	03:44:41.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:43:30.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	06:15:54.7	0.804N	95.434E	27.4	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:28:30.0	85.6	93.9	1.2	16	5.0		
	e pP	Z	06:28:38.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:38:05.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	08:22: 5.1	11.587N	93.434E	33.0N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:33:50.3	76.2	88.3	1.2	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	16:55:34.6	11.092N	94.407E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:07:25.5	77.2	87.9	1.2	20	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	20:10:22.5	0.270N	120.470E	33.0N		6.1		SZGRF

Minahassa Peninsula, Sulawesi, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e PP	Z	20:28:09.8	99.9	76.5					
BRG	e Pdiff	Z	20:24:04.0	100.1	76.9					
	e PP	Z	20:28:12.2							

CLL	e PP	Z	20:28:16.1	100.6	76.0				
GEC2	e PP	Z	20:28:15.1	100.7	77.0				
WET	e Pdiff	Z	20:24:10.2	101.2	76.3				
	e PP	Z	20:28:19.6						
BSEG	e PP	Z	20:28:21.0	101.5	73.3				
NOTT	e PP	Z	20:28:22.3	101.5	75.6				
MOX	e PP	Z	20:28:22.6	101.6	75.0				
NRDL	e Pdiff	Z	20:24:14.2	102.0	73.4				
	e PP	Z	20:28:25.4						
CLZ	e Pdiff	Z	20:24:14.2	102.0	73.8				
	e PP	Z	20:28:25.8						
GRA1	e Pdiff	Z	20:24:15.5	102.1	74.9				
	e PP	Z	20:28:26.7						
	e SS	N	20:42:56.1						
	e L	Z	21:20:45.7			21.2	6891	6.1	
FUR	e Pdiff	Z	20:24:16.2	102.5	75.3				
	e PP	Z	20:28:27.9						
UBBA	e PP	Z	20:28:29.1	102.5	73.7				
IBBN	e PP	Z	20:28:35.6	103.4	71.5				
STU	e PP	Z	20:28:37.3	103.6	73.5				
BUG	e PP	Z	20:28:39.9	104.0	71.3				
BFO	e PP	Z	20:28:42.2	104.3	72.9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	20:36: 2.3	1.858N	95.592E	33.0N	4.9			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:48:34.5	84.9	93.1	0.7	6	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/23	22:36: 0.3	35.280N	29.850E	33.0N		5.1		SZGRF

Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	22:40:09.3	18.0	132.8					
	e S	Z	22:43:33.4							
WET	e P	Z	22:40:15.8	18.6	131.8					
FUR	e P	Z	22:40:17.9	18.8	126.3					
BRG	e P	Z	22:40:23.9	19.4	137.5					
NOTT	e P	Z	22:40:24.6	19.4	131.7					
GUNZ	e P	Z	22:40:29.0	19.7	133.2					
WERD	e P	Z	22:40:28.3	19.8	133.4					
GRA1	e P	Z	22:40:29.1	19.8	129.7					
	e L	Z	22:48:35.1			20.1	9394	5.1		

CLL	e P	Z	22:40:32.6	20.1	136.4
	e S	Z	22:44:20.5		
MOX	e P	Z	22:40:34.7	20.2	132.4
	e S	Z	22:44:21.8		
STU	e P	Z	22:40:34.7	20.3	123.9
BFO	e P	Z	22:40:37.8	20.6	121.5
	e S	Z	22:44:27.7		
UBBA	e S	Z	22:44:35.8	21.1	129.7
CLZ	e P	Z	22:40:47.6	21.6	132.4
	e S	Z	22:44:43.7		
NRDL	e P	Z	22:40:53.5	22.2	133.1
	e S	Z	22:44:58.9		
WLF	e S	Z	22:45:03.6	22.5	120.8
BUG	e P	Z	22:40:59.3	22.9	126.2
BSEG	e P	Z	22:41:02.6	23.1	135.9
IBBN	e S	Z	22:45:21.4	23.1	128.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	23:23:46.5	0.500N	77.500W	33.0N	5.5	5.8		SZGRF

Colombia-Ecuador border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	23:36:21.6	85.5	265.5					
BUG	e P	Z	23:36:26.1	86.4	266.2	1.9	99	5.6		
BFO	e P	Z	23:36:28.6	86.9	267.2	1.3	20	5.1		
STU	e P	Z	23:36:31.3	87.4	267.8	1.8	73	5.5		
CLZ	e P	Z	23:36:35.0	88.3	268.6	2.3	76	5.6		
GRA1	e P	Z	23:36:37.1	88.8	269.3	1.4	40	5.4		
	e SKSac	R	23:47:16.7							
	e S	T	23:47:46.4							
FUR	e P	Z	23:36:38.1	88.8	269.4	1.2	41	5.5		
MOX	e P	Z	23:36:38.3	89.1	269.6	1.5	24	5.2		
NOTT	e P	Z	23:36:40.1	89.4	270.0	1.9	56	5.5		
WERD	e P	Z	23:36:41.5	89.5	270.2	1.6	41	5.4		
GUNZ	e P	Z	23:36:40.8	89.5	270.2	1.6	42	5.4		
WET	e P	Z	23:36:42.1	89.9	270.6	1.9	89	5.7		
CLL	e P	Z	23:36:43.6	89.9	270.7	1.9	52	5.4		
BRG	e P	Z	23:36:46.5	90.5	271.4	2.2	81	5.7		
GRA1	e L	Z	00:14:53.5	88.8	269.3	21.5	3848		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	23:27: 7.9	1.090N	79.280W	33.0N	5.6	5.9		SZGRF

Near coast of Ecuador

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

WLF	e P	Z	23:39:46.3	86.2	267.2				
BUG	e P	Z	23:39:50.8	87.0	268.0				
IBBN	e P	Z	23:39:50.8	87.3	268.3				
STU	e P	Z	23:39:55.4	88.2	269.6				
CLZ	e P	Z	23:39:59.2	88.9	270.4				
GRA1	e P	Z	23:40:01.7	89.5	271.1	2.3	133	5.8	
MOX	e P	Z	23:40:02.7	89.7	271.4	1.7	28	5.2	
NOTT	e P	Z	23:40:04.7	90.1	271.8				
WERD	e P	Z	23:40:05.3	90.2	271.9				
GUNZ	e P	Z	23:40:04.7	90.2	271.9				
CLL	e P	Z	23:40:07.2	90.6	272.5	2.3	96	5.7	
WET	e P	Z	23:40:07.4	90.6	272.3	1.3	26	5.4	
RUE	e P	Z	23:40:09.1	91.0	273.1				
BRG	e P	Z	23:40:10.0	91.2	273.2	2.2	89	5.7	
GRA1	e L	Z	00:19:43.4	89.5	271.1	18.7	4180		5.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	00:39: 6.5	2.680N	97.900E	19.7	5.1			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	00:51:36.2	84.1	93.0	1.3	13	4.9		
GEC2	e P	Z	00:51:36.5	84.2	92.6	1.4	24	5.1		
RUE	e P	Z	00:51:37.3	84.3	93.0					
WET	e P	Z	00:51:39.1	84.7	92.0	1.0	11	5.0		
CLL	e P	Z	00:51:39.2	84.7	92.3	1.4	17	5.0		
WERD	e P	Z	00:51:41.4	85.1	91.7	2.0	33	5.1		
NOTT	e P	Z	00:51:41.6	85.2	91.5	2.1	22	4.9		
MOX	e P	Z	00:51:43.4	85.6	91.2	0.9	5	4.7		
FUR	e P	Z	00:51:44.5	85.8	90.7	1.5	38	5.3		
GRA1	e P	Z	00:51:45.4	85.8	90.8	0.9	14	5.1		
	e pP	Z	00:51:50.8							
GRFO	e P	Z	00:51:45.5	85.8	90.8					
CLZ	e P	Z	00:51:47.9	86.4	90.3	0.9	13	5.3		
BSEG	e P	Z	00:51:47.8	86.4	90.4	0.9	14	5.3		
NRDL	e P	Z	00:51:47.7	86.5	90.1	1.2	26	5.4		
STU	e P	Z	00:51:50.8	87.1	89.2					
IBBN	e P	Z	00:51:55.7	88.0	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	01:32:38.1	1.188N	96.518E	33.0N	4.7			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:45:15.8	86.1	92.8	1.1	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	04:16:53.0	7.460N	92.150E	52.5	6.3	6.2		SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:28:38.1	76.8	94.4	1.5	475	6.4		
GEC2	e P	Z	04:28:38.4	76.8	93.8	1.6	696	6.5		
WET	e P	Z	04:28:41.4	77.4	93.2	1.6	405	6.3		
CLL	e P	Z	04:28:41.4	77.4	93.8	1.4	260	6.2		
GUNZ	e P	Z	04:28:44.1	77.8	93.1	1.5	340	6.2		
WERD	e P	Z	04:28:43.6	77.8	93.1	1.5	262	6.1		
NOTT	e P	Z	04:28:44.4	77.9	92.8	1.8	516	6.3		
MOX	e P	Z	04:28:46.0	78.2	92.6	1.6	358	6.3		
FUR	e P	Z	04:28:47.1	78.4	91.8	1.6	608	6.5		
GRA1	e P	Z	04:28:47.7	78.5	92.1	1.4	578	6.5		
	e pP	Z	04:29:01.6							
	e PP	Z	04:31:53.5							
	e S	N	04:39:00.9							
	e SS	E	04:44:19.0							
	e L	Z	05:09:13.1			19.5	11740		6.2	
CLZ	e P	Z	04:28:50.5	79.1	91.8	1.3	267	6.1		
BSEG	e P	Z	04:28:51.2	79.2	92.2	1.2	350	6.3		
NRDL	e P	Z	04:28:52.8	79.2	91.7	2.1	941	6.5		
UBBA	e P	Z	04:28:52.2	79.3	91.3	2.2	549	6.2		
STU	e P	Z	04:28:54.7	79.8	90.3	2.3	1098	6.4		
BFO	e P	Z	04:28:57.4	80.3	89.6	1.4	223	5.9		
IBBN	e P	Z	04:28:59.5	80.7	89.8	1.4	404	6.3		
BUG	e P	Z	04:29:01.5	81.0	89.3	1.4	267	6.1		
WLF	e P	Z	04:29:05.1	81.7	88.2	1.7	488	6.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	06:11:59.9	1.270S	79.987W	33.0N	5.0			SZGRF

Ecuador

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:25:04.5	91.8	270.1	1.5	12	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	17:45:45.0	8.760N	83.180W	33.0N	5.4	5.3		SZGRF

Costa Rica

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

WLF	e	P	Z	17:58:07.6	82.9	275.2	1.2	52	5.6
BUG	e	P	Z	17:58:09.3	83.4	275.8	0.8	14	5.2
BFO	e	P	Z	17:58:14.5	84.5	277.0	1.1	20	5.2
BSEG	e	P	Z	17:58:17.3	85.0	278.0	1.4	41	5.5
STU	e	P	Z	17:58:17.4	85.0	277.6	1.0	34	5.5
NRDL	e	P	Z	17:58:18.1	85.0	277.9	1.3	28	5.3
CLZ	e	P	Z	17:58:19.5	85.3	278.2	1.3	47	5.6
GRA1	e	P	Z	17:58:23.8	86.2	279.0	1.2	42	5.4
	e	L	Z	18:37:25.3			18.2	1068	5.3
MOX	e	P	Z	17:58:24.0	86.3	279.3	1.2	26	5.2
NOTT	e	P	Z	17:58:26.3	86.7	279.7	1.2	18	5.1
WERD	e	P	Z	17:58:26.5	86.7	279.8	1.3	40	5.4
GUNZ	e	P	Z	17:58:26.8	86.7	279.8	1.2	33	5.3
CLL	e	P	Z	17:58:27.5	87.0	280.3	1.2	28	5.3
WET	e	P	Z	17:58:29.0	87.3	280.3	1.2	46	5.5
BRG	e	P	Z	17:58:30.7	87.7	281.0	1.2	20	5.3
GEC2	e	P	Z	17:58:32.4	87.9	280.9	1.2	26	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	PKP	Z 18:02:25.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	17:59:23.1	4.513N	95.127E	51.2	5.3			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 18:11:40.8	82.6	91.7	1.0	18	5.3		
	e	pP	Z 18:11:55.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24	21:21:29.7	53.644N	159.663E	33.0N	4.8			SZGRF

Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 21:32:58.3	73.3	18.9	1.1	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/24								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:15:38.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	06:43:48.0	11.254N	94.480E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:55:38.5	77.1	87.7	1.3	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	08:07:41.9	34.910N	44.050E	33.0N	4.5			SZGRF

Iraq

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	08:13:14.8	26.3	110.7	1.0	3	3.9		
WET	e P	Z	08:13:21.0	26.9	110.2	1.4	8	4.3		
BRG	e P	Z	08:13:21.0	26.9	114.7	1.5	16	4.5		
NOTT	e P	Z	08:13:27.0	27.6	110.5	1.3	18	4.7		
CLL	e P	Z	08:13:26.6	27.6	114.3	1.2	11	4.5		
GUNZ	e P	Z	08:13:27.7	27.7	111.8	1.4	12	4.5		
GRA1	e P	Z	08:13:31.5	28.1	109.3	1.2	29	5.0		
CLZ	e P	Z	08:13:42.6	29.4	111.9	0.9	13	4.8		
BFO	e P	Z	08:13:44.0	29.5	103.7	0.9	6	4.4		
NRDL	e P	Z	08:13:46.4	29.8	112.7	1.2	8	4.4		
BSEG	e P	Z	08:13:50.2	30.2	115.2	1.1	24	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	09:54:27.0	5.400N	94.600E	72.0N	5.2			NEIC-M

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:06:38.2	81.6	91.5	1.7	33	5.2		
	e pP	Z	10:06:54.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	11:00:28.9	52.974N	173.628E	33.0N	4.9			SZGRF

Near Islands, Aleutian Islands, United States

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

	GRA1	e	P	Z	11:12:14.7	76.3	10.8	1.3	13	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	11:39:33.9	34.380N	43.780E	14.0N	4.9			SZGRF

Iraq

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 11:45:17.0	27.1	115.9	0.9	6	4.4		
FUR	e	P	Z 11:45:23.2	27.8	107.7	0.6	51	5.6		
NOTT	e	P	Z 11:45:23.4	27.8	111.7	1.3	19	4.8		
CLL	e	P	Z 11:45:23.1	27.9	115.4	1.2	10	4.5		
WERD	e	P	Z 11:45:25.0	27.9	113.0	1.5	10	4.4		
GRA1	e	P	Z 11:45:27.8	28.3	110.4	0.9	34	5.2		
CLZ	e	P	Z 11:45:39.1	29.6	113.0	0.6	18	5.0		
NRDL	e	P	Z 11:45:42.9	30.0	113.7	0.9	11	4.7		
BSEG	e	P	Z 11:45:47.2	30.5	116.2	1.1	20	5.0		
BUG	e	P	Z 11:45:53.9	31.2	108.8	0.8	19	5.1		
IBBN	e	P	Z 11:45:54.5	31.2	110.7	2.0	132	5.5		
WLF	e	P	Z 11:45:54.6	31.4	104.8	0.9	26	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	15:24:49.1	38.550N	41.280E	33.0N	4.7	4.1		SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e	P	Z 15:29:44.1	22.3	107.2	1.1	26	4.5		
BRG	e	P	Z 15:29:49.5	22.8	112.1	1.0	13	4.4		
WET	e	P	Z 15:29:50.6	22.9	106.8	1.1	16	4.5		
CLL	e	P	Z 15:29:56.3	23.5	111.8	1.0	20	4.6		
NOTT	e	P	Z 15:29:56.9	23.5	107.4	0.9	18	4.6		
RUE	e	P	Z 15:29:57.5	23.5	115.3	1.3	66	5.0		
GUNZ	e	P	Z 15:29:58.3	23.6	108.9	1.8	64	4.9		
GRA1	e	P	Z 15:30:01.9	24.1	106.1	1.3	66	5.0		
	e	L	Z 15:41:28.1			20.4	616		4.1	
CLZ	e	P	Z 15:30:12.8	25.2	109.5	1.1	18	4.7		
NRDL	e	P	Z 15:30:16.1	25.6	110.5	2.9	113	5.0		
TNS	e	P	Z 15:30:19.0	25.9	104.1	1.5	38	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	16:32: 9.0	35.700N	49.500E	33.0N	4.6			GSRC-M

Western Iran

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

GRA1	e P	Z	16:38:25.3	31.0	102.2	1.0	22	4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:46:49.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	16:44:29.0	38.700N	42.130E	33.0G	5.4	5.4		SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	16:49:28.6	22.7	105.8	1.5	242	5.4		
BRG	e P	Z	16:49:34.5	23.2	110.7	1.2	104	5.1		
WET	e P	Z	16:49:35.2	23.3	105.5	1.1	65	5.0		
CLL	e P	Z	16:49:41.0	23.9	110.4	1.2	272	5.6		
NOTT	e P	Z	16:49:41.3	24.0	106.1	1.4	238	5.5		
GUNZ	e P	Z	16:49:41.7	24.0	107.6	1.3	134	5.3		
WERD	e P	Z	16:49:41.9	24.0	107.7	1.9	174	5.3		
FUR	e P	Z	16:49:42.4	24.1	101.6	1.2	333	5.7		
GRA1	e P	Z	16:49:46.8	24.5	104.8	1.5	807	6.0		
	e L	Z	17:01:14.3			21.0	13160		5.4	
MOX	e P	Z	16:49:46.9	24.5	107.3	1.5	120	5.2		
CLZ	e P	Z	16:49:54.6	25.6	108.3					
TNS	e P	Z	16:50:03.6	26.4	102.9	1.5	246	5.6		
IBBN	e P	Z	16:50:12.5	27.3	106.1	1.3	186	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	17:52:36.1	38.871N	41.164E	33.0N	4.6			SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:57:46.5	23.8	105.6	1.0	20	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	18:54: 8.9	48.400N	155.290E	33.0N	5.6			SZGRF

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	19:05:40.8	73.5	23.4	1.1	60	5.5		

NRDL	e P	Z	19:05:48.7	74.8	23.1	1.0	37	5.4
CLL	e P	Z	19:05:50.3	75.2	24.8	1.0	83	5.8
BRG	e P	Z	19:05:51.2	75.3	25.4	1.0	27	5.3
CLZ	e P	Z	19:05:52.0	75.4	23.2	1.1	94	5.8
IBBN	e P	Z	19:05:52.9	75.6	21.6	0.9	64	5.7
MOX	e P	Z	19:05:56.4	76.2	23.9	1.1	45	5.5
WERD	e P	Z	19:05:55.8	76.2	24.3	1.2	43	5.5
GUNZ	e P	Z	19:05:56.8	76.2	24.3	0.9	32	5.4
NOTT	e P	Z	19:05:59.5	76.8	24.1	1.2	47	5.5
GRA1	e P	Z	19:06:02.0	77.1	23.6	1.0	92	5.9
WET	e P	Z	19:06:02.0	77.2	24.5			
	e P	Z	19:06:02.5					
GEC2	e P	Z	19:06:02.5	77.3	25.0	1.0	29	5.4
TNS	e P	Z	19:06:02.5	77.3	21.8	0.7	63	5.8
WLF	e P	Z	19:06:08.6	78.4	20.3	1.3	51	5.4
STU	e P	Z	19:06:09.5	78.5	22.2	0.7	49	5.6
FUR	e P	Z	19:06:09.6	78.5	23.5	1.2	101	5.7
BFO	e P	Z	19:06:12.2	79.1	21.6	0.8	45	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/25	22:22:10.8	70.090N	135.130E	33.0N	5.1	4.4		SZGRF

Near north coast of eastern Siberia, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	22:31:03.0	49.8	21.5	1.0	28	5.1		
RUE	e P	Z	22:31:06.9	50.4	22.2	1.1	24	5.1		
NRDL	e P	Z	22:31:13.2	51.2	21.0	1.6	39	5.2		
CLL	e P	Z	22:31:16.1	51.6	21.6	0.6	35	5.6		
CLZ	e P	Z	22:31:17.6	51.7	20.9	2.0	106	5.5		
BRG	e P	Z	22:31:17.7	51.8	21.8	0.8	10	4.9		
IBBN	e P	Z	22:31:17.9	51.9	20.1	0.6	13	5.1		
MOX	e P	Z	22:31:23.2	52.6	20.9	0.8	18	5.2		
WERD	e P	Z	22:31:23.7	52.6	21.1	0.8	31	5.4		
GUNZ	e P	Z	22:31:24.5	52.7	21.1	0.6	24	5.4		
BUG	e P	Z	22:31:24.7	52.8	19.7	0.8	16	5.1		
NOTT	e P	Z	22:31:28.4	53.2	20.9					
GRA1	e P	Z	22:31:31.2	53.6	20.6	0.7	14	5.1		
	e L	Z	22:55:49.1			21.4	338		4.4	
GRA2	e P	Z	22:31:30.8	53.6	20.6					
TNS	e P	Z	22:31:31.7	53.7	19.8	0.7	9	4.9		
WET	e P	Z	22:31:31.6	53.7	20.9	1.0	7	4.6		
GEC2	e P	Z	22:31:32.2	53.8	21.1	1.1	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	03:19:20.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	03:38:14.3	8.100N	94.100E	33.0N	4.4			GSRC-M

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:50:19.0	79.2	90.1	1.1	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:46:27.5			1.4	11			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	16:50: 1.8	1.787N	96.674E	33.0N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:02:37.8	85.7	92.3	0.9	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	17:30:32.7	8.070N	93.130E	33.0N	5.3	4.9		SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:42:22.9	76.9	93.3					
GEC2	e P	Z	17:42:22.2	77.0	92.6					
RUE	e P	Z	17:42:23.8	77.1	93.5					
WET	e P	Z	17:42:25.7	77.5	92.1					
CLL	e P	Z	17:42:25.8	77.5	92.6					
GUNZ	e P	Z	17:42:28.5	77.9	91.9					
WERD	e P	Z	17:42:28.5	77.9	91.9					
MOX	e P	Z	17:42:30.9	78.4	91.4					
FUR	e P	Z	17:42:32.0	78.6	90.6					
GRA1	e P	Z	17:42:32.1	78.6	90.9	1.1	27	5.3		
	e L	Z	18:20:37.0			20.8	530		4.9	
CLZ	e P	Z	17:42:35.2	79.2	90.7					

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	17:42:34.9	79.3	91.0					
NRDL	e P	Z	17:42:35.7	79.4	90.6					
TNS	e P	Z	17:42:41.7	80.4	88.9					
BFO	e P	Z	17:42:42.1	80.5	88.5					
IBBN	e P	Z	17:42:44.2	80.8	88.7					
BUG	e P	Z	17:42:45.7	81.1	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	18:51:32.0	7.900N	94.300E	33.0N	4.7			EMSC-A

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:03:36.5	79.5	90.1	1.0	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	20:39:21.5	8.400N	94.500E	33.0N	4.7			EMSC-A

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:51:24.6	79.3	89.6	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	21:19:49.8							
	e		21:20:03.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	22:00:49.6	2.920N	93.740E	33.0N	5.5	5.9		SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	22:13:02.6	81.3	95.6	1.3	92	5.6		
BRG	e P	Z	22:13:02.8	81.3	96.1	1.2	27	5.1		
RUE	e P	Z	22:13:03.8	81.6	96.2	1.1	86	5.8		
WET	e P	Z	22:13:05.6	81.8	95.0	1.2	38	5.4		
CLL	e P	Z	22:13:05.3	81.9	95.4	1.4	37	5.3		
GUNZ	e P	Z	22:13:07.5	82.3	94.8	1.2	26	5.2		
MOX	e P	Z	22:13:10.2	82.8	94.2	1.4	37	5.4		
FUR	e P	Z	22:13:10.1	82.8	93.7	1.5	58	5.6		

GRA1	e P	Z	22:13:11.4	82.9	93.8	1.4	58	5.6	
	e L	Z	22:59:01.2			18.1	4227		5.9
CLZ	e P	Z	22:13:14.6	83.6	93.4	1.2	36	5.5	
BSEG	e P	Z	22:13:15.4	83.8	93.6	1.3	58	5.6	
TNS	e P	Z	22:13:20.6	84.7	91.7	1.4	36	5.4	
BFO	e P	Z	22:13:20.0	84.8	91.5	1.3	20	5.2	
IBBN	e P	Z	22:13:23.1	85.2	91.4	1.0	41	5.6	
BUG	e P	Z	22:13:24.2	85.5	90.9	1.4	65	5.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:24:56.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:58:33.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	22:46:54.3	7.323N	93.915E	33.0N	5.1			GSRC-M

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:58:53.7	78.0	93.1	1.3	27	5.2		
WET	e P	Z	22:58:56.8	78.6	92.0	1.0	18	5.0		
CLL	e P	Z	22:58:56.6	78.6	92.5	1.2	16	4.9		
GUNZ	e P	Z	22:58:58.9	79.0	91.8	1.8	43	5.2		
WERD	e P	Z	22:58:58.9	79.0	91.8	1.2	18	5.0		
MOX	e P	Z	22:59:02.3	79.5	91.3	1.0	13	4.9		
FUR	e P	Z	22:59:02.3	79.6	90.6	0.8	15	4.9		
GRA1	e P	Z	22:59:03.5	79.7	90.8	1.4	55	5.3		
CLZ	e P	Z	22:59:05.5	80.3	90.5	1.1	23	5.0		
BSEG	e P	Z	22:59:06.4	80.3	90.8	1.0	55	5.4		
BFO	e P	Z	22:59:13.6	81.6	88.4	1.1	15	5.0		
IBBN	e P	Z	22:59:14.6	81.9	88.5	0.9	32	5.4		
BUG	e P	Z	22:59:17.4	82.2	88.0	1.6	42	5.3		
WLF	e P	Z	22:59:22.0	83.0	86.9	1.3	30	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:10:21.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	23:02:59.2	7.090N	94.550E	16.2	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:15:01.0	78.6	92.8	1.4	32	5.2		
RUE	e P	Z	23:15:01.9	78.8	93.0					
	e pP	Z	23:15:06.3							
CLL	e P	Z	23:15:03.9	79.2	92.1					
WET	e P	Z	23:15:04.3	79.2	91.6	1.1	9	4.7		
GUNZ	e P	Z	23:15:06.4	79.6	91.4					
WERD	e P	Z	23:15:05.9	79.6	91.4					
MOX	e P	Z	23:15:08.9	80.0	90.9	1.5	22	4.9		
GRA1	e P	Z	23:15:10.5	80.3	90.5	1.0	14	4.9		
	e pP	Z	23:15:15.5							
CLZ	e P	Z	23:15:13.3	80.8	90.2	1.2	14	4.8		
BSEG	e P	Z	23:15:13.2	80.9	90.5					
BFO	e P	Z	23:15:20.2	82.2	88.1	2.1	50	5.3		
BUG	e P	Z	23:15:23.4	82.8	87.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/26	23:43:20.0	4.700N	94.300E	33.0N	4.9			GSRC-M

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:55:42.1	81.9	92.2	1.0	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:49:18.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:27:04.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:38:08.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:03:18.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:55:53.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	03:48:35.6			N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:01:06.7			0.9	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	03:58:48.2	8.085N	93.383E	33.0N				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:10:38.3	77.1	93.1					
GEC2	e P	Z	04:10:38.8	77.1	92.4	1.2	60			
WET	e P	Z	04:10:41.8	77.7	91.8	1.0	28			
CLL	e P	Z	04:10:41.2	77.7	92.4					
MOX	e P	Z	04:10:45.9	78.5	91.2					

FUR	e P	Z	04:10:47.1	78.7	90.4			
GRA1	e P	Z	04:10:48.0	78.8	90.7	1.0	42	
CLZ	e P	Z	04:10:50.7	79.3	90.5	1.1	52	
BSEG	e P	Z	04:10:51.1	79.4	90.8			
STU	e P	Z	04:10:56.1	80.1	89.0			
TNS	e P	Z	04:10:57.4	80.6	88.7			
BFO	e P	Z	04:10:57.3	80.7	88.3	1.1	21	
IBBN	e P	Z	04:10:59.4	80.9	88.5			
BUG	e P	Z	04:11:01.5	81.3	88.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	04:02:54.3	8.050N	92.820E	33.0N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:14:43.0	76.8	93.5					
GEC2	e P	Z	04:14:43.3	76.8	92.9	0.9	19	5.2		
WET	e P	Z	04:14:46.3	77.3	92.3	0.9	11	5.0		
CLL	e P	Z	04:14:46.1	77.4	92.9					
MOX	e P	Z	04:14:50.9	78.2	91.7					
GRA1	e P	Z	04:14:52.8	78.4	91.2	0.9	18	5.2		
CLZ	e P	Z	04:14:55.5	79.0	90.9	1.0	16	5.0		
BSEG	e P	Z	04:14:55.9	79.1	91.3					
TNS	e P	Z	04:15:02.2	80.2	89.1					
BFO	e P	Z	04:15:02.3	80.3	88.7	1.0	8	4.6		
IBBN	e P	Z	04:15:04.2	80.6	88.9					
BUG	e P	Z	04:15:06.4	80.9	88.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	04:38:12.8			N	4.9			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:50:37.4			1.2	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	04:56:30.3			N	4.8			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:08:18.3			1.2	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	05:03:18.7	7.372N	92.957E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:15:10.3	77.4	93.9					
GEC2	e P	Z	05:15:10.2	77.4	93.2	1.1	14	5.0		
WET	e P	Z	05:15:12.9	77.9	92.7	1.1	7	4.7		
CLL	e P	Z	05:15:13.4	78.0	93.2					
MOX	e P	Z	05:15:18.3	78.8	92.0					
GRA1	e P	Z	05:15:19.9	79.0	91.5	1.3	29	5.1		
CLZ	e P	Z	05:15:22.5	79.6	91.2	1.0	14	4.9		
BSEG	e P	Z	05:15:22.8	79.7	91.6					
TNS	e P	Z	05:15:29.2	80.8	89.5					
BFO	e P	Z	05:15:29.6	80.9	89.1	1.0	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	05:22:11.3			N	5.2			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	05:34:31.4			1.0	9	4.9		
BRG	e P	Z	05:34:13.2							
BSEG	e P	Z	05:34:25.9							
BUG	e P	Z	05:34:35.2							
CLL	e P	Z	05:34:15.9							
CLZ	e P	Z	05:34:24.4			1.1	32	5.3		
GEC2	e P	Z	05:34:12.8			1.2	40	5.3		
GRA1	e P	Z	05:34:22.8			1.1	38	5.3		
IBBN	e P	Z	05:34:34.5							
MOX	e P	Z	05:34:21.0							
WET	e P	Z	05:34:16.0			1.1	24	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	05:27:54.5			N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:39:41.8			1.3	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	05:35: 1.4			N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:46:59.8			1.0	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	05:48:22.4			N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:00:17.8			1.6	21	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	06:07:50.2			N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:20:13.5			0.9	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	06:14:42.5	10.090N	93.458E	29.0	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:26:34.2	77.3	89.3	1.4	21	5.1		
	e pP	Z	06:26:42.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	06:18:40.0			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:30:42.7			1.1	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	06:44:49.1			N	4.9			SZGRF

Nicobar Islands, India, region

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

	GRA1	e P	Z	06:56:45.9			1.0	10	4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e P	Z	07:05:10.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	06:57: 7.8	9.540N	93.050E	33.0N	5.7	5.0		SZGRF

Nicobar Islands, India, region

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	BRG	e P	Z	07:08:52.1	75.7	92.4					
	GEC2	e P	Z	07:08:52.6	75.8	91.7	1.1	74	5.7		
	CLL	e P	Z	07:08:55.1	76.4	91.7					
	WET	e P	Z	07:08:55.5	76.4	91.1	1.3	64	5.6		
	MOX	e P	Z	07:09:00.1	77.2	90.5					
	FUR	e P	Z	07:09:00.8	77.4	89.7					
	GRA1	e P	Z	07:09:02.0	77.5	90.0	1.3	135	5.9		
		e L	Z	07:48:44.0			21.0	717		5.0	
	CLZ	e P	Z	07:09:04.1	78.0	89.8	1.4	104	5.8		
	BSEG	e P	Z	07:09:04.8	78.0	90.2					
	STU	e P	Z	07:09:09.0	78.8	88.3					
	TNS	e P	Z	07:09:11.2	79.2	88.0					
	BFO	e P	Z	07:09:11.2	79.4	87.5	1.4	51	5.4		
	IBBN	e P	Z	07:09:13.3	79.6	87.8					
	BUG	e P	Z	07:09:15.4	79.9	87.3					
	WLF	e P	Z	07:09:19.6	80.7	86.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:08:37.9	9.249N	92.889E	17.3	5.0			SZGRF

Nicobar Islands, India, region

	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e P	Z	07:20:31.1	77.6	90.3	1.2	16	5.0		
		e pP	Z	07:20:36.0			1.2	16			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:11: 8.6			N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:23:00.3			0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:20:24.1	7.011N	93.285E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:32:28.0	79.5	91.5	1.0	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:26: 3.5	8.320N	93.820E	33.0N	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:37:54.7	77.2	92.6					
GEC2	e P	Z	07:37:54.7	77.2	91.9	1.1	46	5.5		
CLL	e P	Z	07:37:57.8	77.8	91.9					
WET	e P	Z	07:37:58.2	77.8	91.4	1.1	29	5.3		
MOX	e P	Z	07:38:02.6	78.6	90.7					
FUR	e P	Z	07:38:04.6	78.8	89.9					
GRA1	e P	Z	07:38:04.4	78.9	90.2	1.1	51	5.4		
CLZ	e P	Z	07:38:07.0	79.4	90.0	1.4	69	5.5		
BSEG	e P	Z	07:38:07.5	79.5	90.3					
STU	e P	Z	07:38:12.0	80.2	88.5					
TNS	e P	Z	07:38:14.0	80.7	88.2					
BFO	e P	Z	07:38:13.9	80.8	87.8	1.3	33	5.2		
IBBN	e P	Z	07:38:16.2	81.0	88.0					
BUG	e P	Z	07:38:17.2	81.4	87.5					
WLF	e P	Z	07:38:21.6	82.2	86.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:28:36.3	8.827N	94.045E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:40:35.4	78.6	89.7	1.5	39	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:35:49.3	7.970N	93.010E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:47:40.0	76.9	93.4					
GEC2	e P	Z	07:47:40.7	77.0	92.8	1.1	33	5.4		
WET	e P	Z	07:47:43.6	77.5	92.2	1.1	20	5.2		
CLL	e P	Z	07:47:43.0	77.5	92.8					
MOX	e P	Z	07:47:47.8	78.4	91.6					
FUR	e P	Z	07:47:48.7	78.6	90.8					
GRA1	e P	Z	07:47:49.8	78.6	91.1	1.4	49	5.3		
CLZ	e P	Z	07:47:52.4	79.2	90.8	1.1	34	5.3		
BSEG	e P	Z	07:47:53.0	79.3	91.2					
STU	e P	Z	07:47:56.7	79.9	89.4					
TNS	e P	Z	07:47:59.2	80.4	89.0					
BFO	e P	Z	07:47:59.2	80.5	88.6	1.1	18	5.0		
IBBN	e P	Z	07:48:01.2	80.8	88.8					
BUG	e P	Z	07:48:03.0	81.1	88.3					
WLF	e P	Z	07:48:07.4	81.9	87.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:41: 6.8			N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:53:25.4			1.1	13	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:47:39.3			N				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:59:33.9			0.8	5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	07:54:35.9			N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:06:34.3			1.1	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:07:29.1			N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:19:28.3			1.1	13	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:10:30.7			N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:22:47.4			1.2	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:19: 9.6	8.290N	94.220E	33.0N	5.2	5.0		SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:31:02.1	77.4	92.3					
GEC2	e P	Z	08:31:02.0	77.5	91.6	1.0	28	5.4		
CLL	e P	Z	08:31:05.3	78.1	91.6					
WET	e P	Z	08:31:06.0	78.1	91.1	1.1	25	5.3		
MOX	e P	Z	08:31:10.7	78.9	90.4					
FUR	e P	Z	08:31:11.6	79.1	89.7					
GRA1	e P	Z	08:31:11.4	79.2	89.9	1.2	43	5.4		
	e L	Z	09:10:33.8			21.3	703		5.0	
CLZ	e P	Z	08:31:14.6	79.7	89.7	1.1	29	5.1		
BSEG	e P	Z	08:31:14.6	79.7	90.0					
TNS	e P	Z	08:31:21.7	80.9	87.9					
BFO	e P	Z	08:31:21.9	81.1	87.5	1.2	20	5.0		
IBBN	e P	Z	08:31:22.9	81.3	87.7					
BUG	e P	Z	08:31:24.8	81.6	87.2					
WLF	e P	Z	08:31:29.1	82.4	86.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:30:58.0			N	5.2			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:43:17.3			1.1	24	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:36:10.9			N	5.3			SZGRF

South Indian Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:48:56.9			1.4	21	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:42:17.3	7.640N	93.820E	33.0N	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:54:11.4	77.7	93.0					
GEC2	e P	Z	08:54:11.6	77.8	92.4	1.4	59	5.5		
CLL	e P	Z	08:54:14.4	78.3	92.4					
WET	e P	Z	08:54:15.0	78.3	91.8	1.4	44	5.4		
MOX	e P	Z	08:54:19.2	79.2	91.1					
GRA1	e P	Z	08:54:20.7	79.4	90.7	1.4	64	5.5		
CLZ	e P	Z	08:54:23.6	80.0	90.4	1.4	58	5.3		
BSEG	e P	Z	08:54:24.2	80.0	90.7					
TNS	e P	Z	08:54:30.4	81.2	88.6					
BFO	e P	Z	08:54:30.7	81.3	88.3	1.3	28	5.1		
IBBN	e P	Z	08:54:32.4	81.6	88.4					
BUG	e P	Z	08:54:33.8	81.9	87.9					
WLF	e P	Z	08:54:38.5	82.7	86.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:42:48.2			N	5.4			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:55:03.4			1.1	34	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	08:57:47.2			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:09:59.6			1.2	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:00:11.6			N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:12:21.2			1.0	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:04:12.2			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:16:09.1			1.2	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:10:38.6			N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:23:06.9			1.1	10	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:23:33.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:25:34.2	7.556N	92.145E	33.0N				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:37:21.8	76.7	94.4					
GEC2	e P	Z	09:37:22.0	76.7	93.7	1.1	29			
WET	e P	Z	09:37:25.5	77.3	93.2	1.1	21			
CLL	e P	Z	09:37:25.1	77.3	93.7					
MOX	e P	Z	09:37:30.4	78.2	92.5					
GRA1	e P	Z	09:37:31.8	78.4	92.0	1.1	36			
CLZ	e P	Z	09:37:34.9	79.0	91.8	1.2	38			
BSEG	e P	Z	09:37:35.1	79.1	92.1					
TNS	e P	Z	09:37:41.0	80.2	90.0					
BFO	e P	Z	09:37:41.5	80.3	89.6	1.4	25			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:52:39.0			N	5.0			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:04:24.1			1.6	22	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	09:59:36.7			N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:11:33.6			1.2	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	10:08:32.3			N	5.3			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:20:15.8			1.5	40	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	10:24:49.7							SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:36:42.8							
	e pP	Z	10:36:48.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	10:26: 0.6			N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:37:55.3			1.2	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	10:42:52.9			N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	10:54:41.9			1.3	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	10:58:27.1	9.930N	91.130E	33.0N	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:10:01.1	74.2	93.6					
GEC2	e P	Z	11:10:01.9	74.3	92.9	1.5	40	5.2		
WET	e P	Z	11:10:04.3	74.8	92.3	2.2	84	5.4		
CLL	e P	Z	11:10:05.3	74.9	93.0					
MOX	e P	Z	11:10:09.5	75.7	91.7					
GRA1	e P	Z	11:10:11.4	75.9	91.2	1.5	57	5.5		
CLZ	e P	Z	11:10:14.0	76.5	91.1	1.3	29	5.3		
BSEG	e P	Z	11:10:14.9	76.6	91.5					
TNS	e P	Z	11:10:21.3	77.7	89.2					
BFO	e P	Z	11:10:21.5	77.8	88.7	1.4	18	5.0		
IBBN	e P	Z	11:10:23.3	78.1	89.1					
WLF	e P	Z	11:10:29.6	79.2	87.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	11:14:37.3			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:26:49.0			0.9	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	11:24:16.8			N				SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:36:04.8			1.2	13			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	11:44: 4.8	7.780N	93.950E	27.3	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	11:55:59.7	77.7	92.8	1.4	32	5.3		
GEC2	e P	Z	11:56:00.2	77.7	92.2	0.7	18	5.3		
CLL	e P	Z	11:56:02.5	78.3	92.2	1.4	21	5.1		
WET	e P	Z	11:56:03.1	78.3	91.6					
MOX	e P	Z	11:56:07.4	79.1	91.0					
FUR	e P	Z	11:56:08.6	79.3	90.2					
GRA1	e P	Z	11:56:08.8	79.4	90.5	1.1	38	5.3		
	e pP	Z	11:56:16.6							
CLZ	e P	Z	11:56:12.0	79.9	90.2	1.1	28	5.1		
BSEG	e P	Z	11:56:12.1	80.0	90.5					
TNS	e P	Z	11:56:18.7	81.2	88.4					
BFO	e P	Z	11:56:19.1	81.3	88.1	1.1	11	4.8		
IBBN	e P	Z	11:56:20.8	81.5	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	11:47:42.1	8.507N	93.670E	33.0N	5.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:59:41.1	78.6	90.2	1.4	71	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:08:39.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	12:11:58.7	8.687N	94.694E	19.9				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:24:00.7	79.2	89.3	1.2	32			
	e pP	Z	12:24:06.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	12:24:47.0			N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:36:53.8			0.8	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	12:34:21.9	9.651N	92.534E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:46:12.1	77.0	90.3	1.1	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	12:37:36.5	9.459N	93.753E	33.0N				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:49:31.9	78.0	89.5	1.7	20			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:11:01.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:01:22.9	9.716N	94.052E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:13:18.3	78.0	89.1	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:23:34.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:13:58.4	13.887N	89.509E	33.0N				SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:25:18.8	71.9	89.7	0.8	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:15: 5.4	4.965N	94.769E	33.0N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:27:22.7	82.0	91.7	1.1	8	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:18:16.5	10.198N	92.969E	33.0N	5.0			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:30:05.9	76.9	89.6	1.0	12	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:25:22.0	8.241N	93.771E	33.0N	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:37:22.5	78.9	90.3	1.2	26	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	13:26:36.6	8.397N	94.947E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	13:38:40.6	79.6	89.3	0.9	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

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

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                  GRA1     e P         Z  13:43:12.0


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27

                  Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                  GRA1     e P         Z  13:48:07.3


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27

                  Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                  GRA1     e P         Z  13:49:21.7


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27

                  Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                  GRA1     e P         Z  13:51:08.1


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27   13:49:26.0      8.961N    90.920E    33.0N    4.5               SZGRF
Nicobar Islands, India, region

                  Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                  GRA1     e P         Z  14:01:13.3    76.5   92.0    1.1         5   4.5


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27   13:54:35.3     10.463N    92.471E    33.0N    5.2               SZGRF
Andaman Islands, India, region

                  Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                  GRA1     e P         Z  14:06:21.8    76.4   89.8    1.0        21   5.2


   Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
2005/01/27   13:57:10.6      8.149N    93.458E    33.0N    5.3               SZGRF
Nicobar Islands, India, region
```

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:09:10.4	78.8	90.6	1.2	42	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	14:13:23.4	8.882N	93.079E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:25:18.8	78.0	90.4	1.1	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	14:35:23.7	11.518N	93.899E	33.0N	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:47:10.9	76.5	88.0	1.5	29	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	14:42:29.6	3.634N	96.299E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	14:54:57.3	84.0	91.4	1.3	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	14:55:42.0	11.981N	93.881E	14.2	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:07:29.9	76.2	87.7	0.9	6	4.7		
	e pP	Z	15:07:34.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	14:57: 4.5	10.006N	92.745E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:08:54.0	76.9	89.9	1.1	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:13:47.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:13:47.2	11.382N	91.389E	33.0N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:25:25.8	75.0	90.0	1.2	14	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:28:48.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:17:23.1	9.512N	92.395E	15.2	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:29:15.9	77.1	90.5	1.2	11	4.9		
	e pP	Z	15:29:20.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:25:10.6	11.185N	92.485E	33.0N	4.8			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:36:54.1	75.9	89.3	1.1	9	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:27: 2.5	1.540N	96.509E	33.0N	5.0			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:39:38.9	85.8	92.6	1.1	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:28: 2.1	9.560N	93.664E	33.0N	5.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:39:56.8	77.8	89.5	1.1	47	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:31:47.6	4.354N	95.816E	33.0N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:44:10.9	83.2	91.3	1.1	7	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:34:33.9	8.113N	93.621E	18.9	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:46:34.4	78.9	90.5	1.2	19	5.0		
	e pP	Z	15:46:39.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:52:15.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	15:49:29.1	9.203N	93.453E	24.8	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:01:24.6	78.0	89.9	2.2	37	5.1		

```
                          e pP        Z  16:01:31.7


    Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
 2005/01/27   15:56:28.3      1.487N    95.901E    15.6     4.9                SZGRF
Off west coast of northern Sumatera, Indonesia

                   Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                   GRA1     e P         Z  16:09:05.4    85.4   93.1    0.9         7   4.9
                            e pP        Z  16:09:10.0


    Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
 2005/01/27   16:01: 9.8     11.382N    94.550E    33.0N    5.2                SZGRF
Andaman Islands, India, region

                   Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                   GRA1     e P         Z  16:13:00.0    77.0   87.6    1.5        31   5.2


    Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
 2005/01/27   16:02:11.4      5.617N    95.126E    33.0N    4.7                SZGRF
Northern Sumatera, Indonesia

                   Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                   GRA1     e P         Z  16:14:27.4    81.8   91.0    1.2         8   4.7


    Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
 2005/01/27   16:07:35.8      2.573N   101.136E    33.0N    4.9                SZGRF
Malay Peninsula

                   Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                   GRA1     e P         Z  16:20:22.9    88.0   88.4    1.0         6   4.9


    Date     Origin Time       Lat       Long      Depth    mb    Ms    ML    Source
 2005/01/27   16:21:49.9      9.328N    97.030E    33.0N    4.6                SZGRF
Nicobar Islands, India, region

                   Sta      Phase            Time       Dist   BAz    T[s]     A[nm]   mb   MS   ML
                   GRA1     e P         Z  16:33:57.4    80.2   87.1    0.8         6   4.6
                            e pP        Z  16:34:03.8
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	16:33:10.0	8.562N	94.147E	33.0N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:45:10.6	78.9	89.8	1.0	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	16:48:48.1	11.077N	92.581E	33.0N	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:00:32.4	76.0	89.3	1.4	26	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	16:53:20.7	5.580N	95.289E	33.0N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:05:37.3	81.9	90.9	1.0	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:08:38.0			1.9	17			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	16:59: 0.2	8.500N	92.500E	33.0N	5.5	5.2		SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:10:45.5	76.2	93.5	1.7	71	5.5		
GEC2	e P	Z	17:10:45.9	76.2	92.8	1.2	36	5.4		
RUE	e P	Z	17:10:46.8	76.4	93.7	1.5	132	5.8		
WET	e P	Z	17:10:49.0	76.8	92.2	1.3	29	5.2		
CLL	e P	Z	17:10:48.9	76.8	92.8	1.3	49	5.5		
GUNZ	e P	Z	17:10:51.2	77.2	92.1	1.3	53	5.5		
WERD	e P	Z	17:10:51.8	77.2	92.1	1.4	39	5.4		

MOX	e	P	Z	17:10:54.2	77.7	91.6	1.2	36	5.4
GRA1	e	P	Z	17:10:55.3	77.9	91.1	1.2	77	5.7
	e	L	Z	17:54:10.9			20.3	1127	5.2
CLZ	e	P	Z	17:10:58.2	78.5	90.9	1.3	66	5.5
BSEG	e	P	Z	17:10:58.8	78.5	91.3	1.3	124	5.8
NRDL	e	P	Z	17:10:59.3	78.6	90.8	1.4	107	5.7
TNS	e	P	Z	17:11:05.4	79.7	89.1	1.3	36	5.1
BFO	e	P	Z	17:11:05.3	79.8	88.6	1.2	40	5.2
IBBN	e	P	Z	17:11:07.1	80.1	88.9	1.2	85	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:01:51.0	11.613N	94.211E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 17:13:39.0	76.7	87.7	1.6	24	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:04:57.6	13.377N	90.240E	33.0N	4.8			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 17:16:23.0	72.8	89.5	1.6	14	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:14:23.1			N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 17:26:17.7			1.5	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:17:27.6	8.801N	92.365E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 17:29:20.8	77.6	91.0	1.2	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:25:15.2	9.999N	93.145E	33.0N	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:37:06.1	77.2	89.6	1.2	29	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:32: 0.5	10.640N	93.892E	33.0N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:43:51.4	77.2	88.6	1.5	16	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:40:49.8	7.930N	93.710E	33.0N				SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:52:42.6	77.4	92.9	1.8	140			
GEC2	e P	Z	17:52:43.1	77.5	92.3	1.2	78			
RUE	e P	Z	17:52:43.4	77.6	93.1	1.1	148			
CLL	e P	Z	17:52:45.5	78.0	92.3	1.1	42			
WET	e P	Z	17:52:46.1	78.0	91.7	1.3	56			
GUNZ	e P	Z	17:52:48.2	78.4	91.5	1.0	47			
WERD	e P	Z	17:52:48.1	78.4	91.5	1.5	59			
MOX	e P	Z	17:52:50.7	78.9	91.0	1.7	93			
FUR	e P	Z	17:52:51.4	79.1	90.3	1.4	77			
GRA1	e P	Z	17:52:52.4	79.1	90.6	1.4	120			
GRFO	e P	Z	17:52:52.4	79.1	90.6	1.4	100			
CLZ	e P	Z	17:52:54.9	79.7	90.3	1.4	103			
BSEG	e P	Z	17:52:55.3	79.7	90.6	1.1	152			
NRDL	e P	Z	17:52:56.2	79.8	90.2	1.4	132			
STU	e P	Z	17:52:59.2	80.4	88.9	1.6	86			
TNS	e P	Z	17:53:01.7	80.9	88.5	1.4	54			
BFO	e P	Z	17:53:01.8	81.0	88.1	1.7	75			
IBBN	e P	Z	17:53:03.6	81.3	88.3	1.6	292			
BUG	e P	Z	17:53:05.3	81.6	87.8	1.3	111			
WLF	e P	Z	17:53:10.0	82.4	86.7	1.9	191			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:45:53.2	12.680N	94.442E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:57:37.5	76.0	86.8	3.0	52	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:52:39.0	11.610N	91.447E	33.0N	4.4			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:04:16.8	74.9	89.8	1.0	4	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	17:54:50.0			N	4.7			SZGRF

Southwest of Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:07:36.5			0.9	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:05: 5.7	12.035N	94.096E	33.0N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:16:51.4	76.3	87.5	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:29:11.1	4.141N	97.308E	33.0N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:41:40.2	84.3	90.3	0.9	5	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:34:50.0			N	4.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:47:12.6			0.8	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:48:41.3			N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:00:41.1			1.3	8	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:50:20.9	6.344N	95.155E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:02:34.0	81.2	90.5	1.1	12	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	18:52:40.6	7.900N	93.790E	33.0N	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:04:33.6	77.5	92.9	1.6	47	5.3		
GEC2	e P	Z	19:04:34.0	77.5	92.2	1.2	43	5.3		
RUE	e P	Z	19:04:34.3	77.7	93.1	1.1	97	5.7		
CLL	e P	Z	19:04:36.4	78.1	92.2	1.3	30	5.2		
WET	e P	Z	19:04:37.0	78.1	91.7	1.3	34	5.2		
GUNZ	e P	Z	19:04:39.2	78.5	91.5	1.3	36	5.3		
WERD	e P	Z	19:04:39.1	78.5	91.5	1.2	24	5.2		
MOX	e P	Z	19:04:41.6	78.9	91.0	1.3	22	5.1		
FUR	e P	Z	19:04:42.3	79.1	90.3	1.0	35	5.4		
GRA1	e P	Z	19:04:43.3	79.2	90.5	1.1	42	5.5		
CLZ	e P	Z	19:04:45.9	79.7	90.3	1.2	51	5.5		
BSEG	e P	Z	19:04:46.2	79.8	90.6	1.2	103	5.8		
STU	e P	Z	19:04:50.0	80.5	88.8	1.6	47	5.4		
TNS	e P	Z	19:04:52.5	81.0	88.5	1.4	26	5.2		
BFO	e P	Z	19:04:52.7	81.1	88.1	1.3	29	5.3		
IBBN	e P	Z	19:04:54.5	81.3	88.3	1.2	80	5.6		
BUG	e P	Z	19:04:56.2	81.7	87.8	1.2	40	5.3		
WLF	e P	Z	19:05:00.9	82.5	86.7	1.5	57	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	19:12:42.9	11.487N	91.952E	33.0N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:24:23.0	75.3	89.5	1.2	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	19:20:26.7	8.901N	93.718E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:32:24.3	78.4	89.9	0.9	16	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	19:30:45.6	3.828N	96.527E	33.0N	5.0			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:43:13.3	84.0	91.1	0.9	8	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	19:40:40.1	8.763N	93.970E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:52:39.1	78.6	89.8	1.1	22	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	19:49:11.2	44.119N	151.297E	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	20:01:17.3	79.9	27.9	1.0	10	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:09:50.9	5.410N	94.730E	33.0N	5.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	20:21:57.3	80.0	93.7	1.3	99	5.6		
GEC2	e P	Z	20:21:57.7	80.0	93.2	1.5	220	5.9		
RUE	e P	Z	20:21:58.2	80.2	93.9	0.8	107	5.8		

WET	e P	Z	20:22:00.6	80.6	92.6	1.4	101	5.7
CLL	e P	Z	20:22:00.1	80.6	93.1	1.4	81	5.6
GUNZ	e P	Z	20:22:02.7	81.0	92.4	1.4	88	5.6
WERD	e P	Z	20:22:02.6	81.0	92.4	1.5	92	5.6
NOTT	e P	Z	20:22:03.6	81.1	92.1	1.7	125	5.7
MOX	e P	Z	20:22:05.1	81.5	91.9	1.5	126	5.7
FUR	e P	Z	20:22:05.6	81.6	91.3	1.5	123	5.8
GRA1	e P	Z	20:22:06.7	81.7	91.4	1.2	123	5.9
GRFO	e P	Z	20:22:06.7	81.7	91.4			
CLZ	e P	Z	20:22:09.3	82.3	91.1	1.2	90	5.8
BSEG	e P	Z	20:22:09.8	82.3	91.3	0.9	93	5.9
STU	e P	Z	20:22:13.0	83.0	89.8	1.8	160	6.0
TNS	e P	Z	20:22:15.6	83.5	89.4	1.0	42	5.6
BFO	e P	Z	20:22:15.6	83.6	89.1	1.0	38	5.6
IBBN	e P	Z	20:22:17.8	83.9	89.1	1.2	123	6.0
BUG	e P	Z	20:22:19.3	84.2	88.6	1.3	111	5.9
WLF	e P	Z	20:22:23.6	85.0	87.6	1.8	169	6.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:17: 9.3	4.150N	98.349E	33.0N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:29:41.7	85.0	89.5	0.9	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:24:21.0	14.947N	86.304E	33.0N	4.9			SZGRF

Bay of Bengal

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:35:23.8	69.0	91.4	1.5	12	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:27:57.1			N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:39:48.8			1.4	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:31:18.5	10.860N	92.775E	14.4	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:43:07.1	76.3	89.3	1.1	16	5.1		
	e pP	Z	20:43:11.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:43:37.3			N	4.7			SZGRF

Southern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:56:27.7			1.0	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:44:57.0	4.767N	95.986E	17.6	5.3			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:57:21.4	83.0	90.9	1.0	23	5.3		
	e pP	Z	20:57:26.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:51:18.6	9.936N	94.515E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:03:14.7	78.1	88.6	1.0	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	20:53:24.5	11.292N	92.389E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:05:07.1	75.7	89.3	0.9	6	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:00:53.0	11.458N	93.426E	33.0N	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:12:38.8	76.3	88.4	1.2	21	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:05: 3.3	8.719N	95.323E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:17:07.3	79.6	88.8	1.4	11	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:05:13.5	9.137N	95.220E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:17:15.5	79.2	88.6	1.5	31	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:16:42.0			N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:28:34.4			0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:32:37.6	10.911N	92.992E	33.0N	5.2			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:44:24.1	76.4	89.1	1.7	33	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:48: 1.3	9.414N	94.318E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:59:58.9	78.4	89.1	1.2	23	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	21:55:37.3			N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:08:05.6			1.5	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	22:18:27.0	4.833N	95.799E	33.0N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:30:48.3	82.8	91.0	1.1	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	22:19:27.8	10.297N	92.881E	33.0N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:31:16.5	76.8	89.6	0.9	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	22:40:54.8	9.716N	94.052E	33.0N	5.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:52:50.2	78.0	89.1	1.3	82	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	22:57: 5.7	11.552N	93.737E	33.0N	5.1			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:08:52.2	76.4	88.1	1.0	16	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:14:50.1	10.155N	93.533E	33.0N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:26:41.8	77.3	89.2	1.3	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:20:20.1	10.035N	92.982E	33.0N	5.3			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:32:10.3	77.0	89.7	1.5	39	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:26:45.4	5.349N	96.011E	33.0N	5.5			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:39:05.4	82.6	90.5	1.1	31	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:31:11.2	3.571S	11.111W	33.0N	4.7			SZGRF

North of Ascension Island

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:40:51.5	56.7	207.0	1.0	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:40:27.9	4.174N	96.362E	33.0N	5.2			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:52:53.7	83.7	91.0	1.2	22	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/27	23:46:60.0	8.301N	94.637E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:59:03.4	79.4	89.6	1.3	16	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	00:17:43.7	34.723N	23.328E	33.0N	4.8			nria

Crete, Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	00:21:25.0	15.8	149.7	1.3	87	4.7		
FUR	e P	Z	00:21:31.8	16.2	141.9	1.3	96	4.8		
WET	e P	Z	00:21:31.0	16.3	148.0	1.0	92	4.9		
NOTT	e P	Z	00:21:44.5	17.2	147.3	1.0	42	4.5		
GRA1	e P	Z	00:21:46.7	17.4	144.8	1.3	203	5.1		
BRG	e P	Z	00:21:45.0	17.5	153.6	1.5	60	4.5		
GUNZ	e P	Z	00:21:49.4	17.6	148.7	1.1	71	4.7		
BFO	e P	Z	00:21:47.8	17.6	135.2	0.8	18	4.2		
WERD	e P	Z	00:21:50.3	17.7	148.8	1.1	44	4.5		
MOX	e P	Z	00:21:54.1	18.1	147.4	0.9	30	4.4		
CLL	e P	Z	00:21:54.9	18.2	151.8	0.8	61	4.8		
TNS	e P	Z	00:22:04.1	18.9	139.4	1.0	42	4.6		
RUE	e P	Z	00:22:04.2	19.0	155.3	0.9	75	4.9		
CLZ	e P	Z	00:22:09.9	19.5	146.5	1.0	31	4.5		
WLF	e P	Z	00:22:12.0	19.5	133.4	1.1	128	5.1		
BUG	e P	Z	00:22:19.4	20.3	139.1	0.8	20	4.4		
IBBN	e P	Z	00:22:23.5	20.8	141.6	0.7	44	4.9		
RGN	e P	Z	00:22:25.2	21.0	156.5	0.8	254	5.6		
BSEG	e P	Z	00:22:27.9	21.3	149.3	0.9	124	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	00:15:21.4			N				SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:27:49.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	00:30:26.5	5.874N	95.428E	33.0N				SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:42:42.5	81.8	90.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	00:49:57.4							SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:02:11.4							
	e pP	Z	01:02:25.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:01:32.4	8.140N	93.080E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:13:21.8	76.8	93.3					
GEC2	e P	Z	01:13:22.3	76.9	92.6	0.8	16	5.2		
WET	e P	Z	01:13:25.3	77.4	92.0	0.9	13	5.1		
CLL	e P	Z	01:13:24.7	77.5	92.6					
MOX	e P	Z	01:13:29.4	78.3	91.4					
FUR	e P	Z	01:13:30.3	78.5	90.6					
GRA1	e P	Z	01:13:31.9	78.5	90.9	1.4	40	5.2		
CLZ	e P	Z	01:13:34.2	79.1	90.7	0.8	14	5.1		
STU	e P	Z	01:13:38.0	79.9	89.2					
TNS	e P	Z	01:13:41.0	80.3	88.9					
BFO	e P	Z	01:13:41.0	80.4	88.5	1.1	14	4.8		
IBBN	e P	Z	01:13:42.8	80.7	88.7					
BUG	e P	Z	01:13:44.5	81.0	88.2					
WLF	e P	Z	01:13:49.5	81.8	87.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:18:12.7	5.560N	94.280E	33.0N	4.5			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:30:16.5	79.6	94.0					
GEC2	e P	Z	01:30:17.1	79.6	93.4	0.9	6	4.5		
WET	e P	Z	01:30:20.2	80.2	92.9	0.9	3	4.3		
CLL	e P	Z	01:30:19.6	80.2	93.3	1.0	4	4.3		
MOX	e P	Z	01:30:24.8	81.1	92.1					
GRA1	e P	Z	01:30:26.8	81.3	91.7	0.8	5	4.6		
CLZ	e P	Z	01:30:29.2	81.9	91.3	0.9	4	4.6		
BFO	e P	Z	01:30:35.0	83.2	89.3	1.0	3	4.5		
IBBN	e P	Z	01:30:37.4	83.5	89.3					
BUG	e P	Z	01:30:39.4	83.8	88.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:29:32.3			N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:41:17.3			1.2	15	5.0		
	e pP	Z	01:41:35.4			1.2	16			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:31:56.3			N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	01:44:25.3			1.0	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:36:23.9	7.500N	93.500E	19.4	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:48:12.5	77.6	93.3					
GEC2	e P	Z	01:48:13.0	77.7	92.7	0.8	10	5.0		
WET	e P	Z	01:48:16.1	78.2	92.2	0.9	6	4.7		
CLL	e P	Z	01:48:15.5	78.2	92.7					
MOX	e P	Z	01:48:20.6	79.1	91.5					
FUR	e P	Z	01:48:21.3	79.2	90.8					
GRA1	e P	Z	01:48:22.4	79.3	91.0	1.0	22	5.1		
	e pP	Z	01:48:28.0							
CLZ	e P	Z	01:48:24.9	79.9	90.7	0.8	9	4.7		
STU	e P	Z	01:48:28.9	80.6	89.3					
TNS	e P	Z	01:48:31.7	81.1	89.0					
BFO	e P	Z	01:48:31.8	81.2	88.6	0.8	4	4.5		
IBBN	e P	Z	01:48:33.6	81.5	88.7					
BUG	e P	Z	01:48:35.3	81.8	88.2					
WLF	e P	Z	01:48:39.9	82.6	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:43:35.7	7.320N	93.750E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:55:30.9	77.9	93.3					
GEC2	e P	Z	01:55:30.7	78.0	92.6	0.8	18	5.2		
WET	e P	Z	01:55:33.9	78.5	92.1	0.8	8	4.8		

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	01:55:33.8	78.5	92.6					
MOX	e P	Z	01:55:38.5	79.4	91.4					
FUR	e P	Z	01:55:39.4	79.5	90.7					
GRA1	e P	Z	01:55:40.7	79.6	90.9	1.0	14	4.8		
CLZ	e P	Z	01:55:43.2	80.2	90.7	0.8	15	5.0		
TNS	e P	Z	01:55:49.7	81.4	88.9					
BFO	e P	Z	01:55:50.2	81.5	88.5	1.1	12	4.9		
IBBN	e P	Z	01:55:51.9	81.8	88.7					
BUG	e P	Z	01:55:53.6	82.1	88.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	01:46:51.2	8.940N	94.380E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:58:41.4	77.0	91.7					
GEC2	e P	Z	01:58:41.9	77.2	91.1	0.8	6	4.8		
CLL	e P	Z	01:58:44.3	77.7	91.1					
WET	e P	Z	01:58:44.8	77.7	90.5	0.8	3	4.5		
MOX	e P	Z	01:58:48.5	78.5	89.9					
GRA1	e P	Z	01:58:51.3	78.8	89.4	1.0	9	4.8		
CLZ	e P	Z	01:58:53.5	79.3	89.1	0.8	7	4.7		
TNS	e P	Z	01:59:00.8	80.5	87.4					
BFO	e P	Z	01:59:01.2	80.7	87.0	0.9	4	4.5		
IBBN	e P	Z	01:59:02.8	80.9	87.2					
BUG	e P	Z	01:59:03.6	81.2	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	02:13:18.0			N	5.0			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:25:03.7			1.2	14	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	02:23:11.2	6.810N	94.150E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:35:09.3	78.5	93.3					
GEC2	e P	Z	02:35:09.7	78.6	92.7	1.1	34	5.3		
WET	e P	Z	02:35:12.8	79.1	92.1	1.1	21	5.1		
CLL	e P	Z	02:35:12.2	79.2	92.6					

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e P	Z	02:35:17.4	80.0	91.4					
FUR	e P	Z	02:35:18.0	80.2	90.7					
GRA1	e P	Z	02:35:19.1	80.2	91.0	1.2	39	5.2		
CLZ	e P	Z	02:35:21.6	80.8	90.7	1.8	92	5.5		
STU	e P	Z	02:35:25.6	81.6	89.3					
TNS	e P	Z	02:35:28.3	82.0	88.9					
BFO	e P	Z	02:35:28.5	82.1	88.6	1.3	18	5.1		
IBBN	e P	Z	02:35:30.3	82.4	88.7					
BUG	e P	Z	02:35:31.6	82.7	88.2					
WLF	e P	Z	02:35:36.0	83.5	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	02:28:59.9	7.890N	93.720E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:40:52.6	77.4	92.9					
GEC2	e P	Z	02:40:53.0	77.5	92.3	2.7	128	5.6		
CLL	e P	Z	02:40:55.5	78.1	92.3	1.3	17	5.0		
WET	e P	Z	02:40:56.0	78.1	91.7	1.1	20	5.2		
MOX	e P	Z	02:41:00.5	78.9	91.1					
GRA1	e P	Z	02:41:02.4	79.1	90.6	1.0	34	5.3		
CLZ	e P	Z	02:41:04.9	79.7	90.3	1.0	24	5.1		
STU	e P	Z	02:41:08.9	80.5	88.9					
TNS	e P	Z	02:41:11.6	80.9	88.5					
BFO	e P	Z	02:41:11.8	81.1	88.2	1.5	26	5.0		
IBBN	e P	Z	02:41:13.6	81.3	88.3					
BUG	e P	Z	02:41:15.2	81.6	87.8					
WLF	e P	Z	02:41:19.9	82.4	86.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	03:08:56.2	8.240N	93.180E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:20:45.5	76.8	93.1					
GEC2	e P	Z	03:20:45.6	76.9	92.5	0.9	8	4.9		
WET	e P	Z	03:20:48.8	77.4	91.9	0.8	4	4.6		
CLL	e P	Z	03:20:48.5	77.4	92.5					
MOX	e P	Z	03:20:53.7	78.3	91.3					
FUR	e P	Z	03:20:54.3	78.5	90.5					
GRA1	e P	Z	03:20:55.0	78.5	90.8	0.7	7	4.7		
CLZ	e P	Z	03:20:58.1	79.1	90.5	0.8	7	4.7		
TNS	e P	Z	03:21:05.0	80.3	88.7					
BFO	e P	Z	03:21:04.8	80.4	88.3	0.9	3	4.2		

IBBN	e	P	Z	03:21:06.1	80.7	88.5
BUG	e	P	Z	03:21:08.2	81.0	88.0
WLF	e	P	Z	03:21:12.8	81.8	86.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	03:26:45.5			N	4.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 03:38:32.0			0.8	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	03:31:25.8	7.740N	93.700E	33.0N	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 03:43:18.9	77.5	93.0					
GEC2	e	P	Z 03:43:19.4	77.6	92.4	0.9	37	5.5		
WET	e	P	Z 03:43:22.5	78.2	91.8	1.0	26	5.3		
CLL	e	P	Z 03:43:21.9	78.2	92.4					
MOX	e	P	Z 03:43:27.0	79.0	91.2					
FUR	e	P	Z 03:43:27.8	79.2	90.4					
GRA1	e	P	Z 03:43:28.8	79.2	90.7	0.9	39	5.4		
CLZ	e	P	Z 03:43:31.3	79.8	90.4	0.9	36	5.3		
STU	e	P	Z 03:43:35.4	80.6	89.0					
TNS	e	P	Z 03:43:38.0	81.0	88.7					
BFO	e	P	Z 03:43:38.2	81.2	88.3	0.9	15	5.0		
IBBN	e	P	Z 03:43:40.0	81.4	88.4					
BUG	e	P	Z 03:43:41.6	81.7	87.9					
WLF	e	P	Z 03:43:46.3	82.5	86.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	04:16:17.4	7.530N	94.340E	33.0N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 04:28:13.8	78.1	92.7					
GEC2	e	P	Z 04:28:14.3	78.2	92.1	0.8	5	4.7		
CLL	e	P	Z 04:28:16.8	78.7	92.0					
WET	e	P	Z 04:28:17.3	78.7	91.5	0.8	3	4.3		
MOX	e	P	Z 04:28:21.8	79.6	90.8					
GRA1	e	P	Z 04:28:23.7	79.8	90.3	0.9	8	4.6		
CLZ	e	P	Z 04:28:26.2	80.4	90.1	0.7	4	4.4		

BFO	e P	Z	04:28:33.1	81.7	87.9	0.7	3	4.5	
IBBN	e P	Z	04:28:34.9	82.0	88.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	04:34:55.5	7.650N	92.600E	15.0	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:46:47.7	76.9	94.0					
GEC2	e P	Z	04:46:48.2	76.9	93.3	0.8	12	5.1		
WET	e P	Z	04:46:51.2	77.5	92.7	0.8	6	4.8		
CLL	e P	Z	04:46:50.6	77.5	93.3					
MOX	e P	Z	04:46:55.7	78.4	92.1					
FUR	e P	Z	04:46:56.5	78.5	91.3					
GRA1	e P	Z	04:46:57.6	78.6	91.6	0.8	12	5.0		
	e pP	Z	04:47:01.9							
CLZ	e P	Z	04:47:00.1	79.2	91.4	0.7	10	5.0		
STU	e P	Z	04:47:03.9	79.9	89.9					
TNS	e P	Z	04:47:06.8	80.4	89.6					
BFO	e P	Z	04:47:07.0	80.5	89.2	0.8	5	4.6		
IBBN	e P	Z	04:47:08.8	80.8	89.4					
BUG	e P	Z	04:47:11.5	81.1	88.8					
WLF	e P	Z	04:47:14.8	81.9	87.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	05:04: 7.5			N				SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:16:36.5			0.8	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	05:06:42.7	7.460N	93.630E	15.4	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:18:39.1	77.7	93.3					
GEC2	e P	Z	05:18:39.6	77.8	92.6	1.1	31	5.3		
WET	e P	Z	05:18:42.6	78.3	92.1	1.3	28	5.2		
CLL	e P	Z	05:18:42.1	78.3	92.6					
MOX	e P	Z	05:18:47.2	79.2	91.4					
FUR	e P	Z	05:18:47.8	79.4	90.7					
GRA1	e P	Z	05:18:49.0	79.4	90.9	1.3	56	5.4		

	e pP	Z	05:18:53.4			1.3	55	
CLZ	e P	Z	05:18:51.5	80.0	90.7	1.3	44	5.2
STU	e P	Z	05:18:55.4	80.7	89.2			
TNS	e P	Z	05:18:58.2	81.2	88.9			
BFO	e P	Z	05:18:58.4	81.3	88.5	1.3	19	5.0
IBBN	e P	Z	05:19:00.1	81.6	88.7			
BUG	e P	Z	05:19:01.8	81.9	88.2			
WLF	e P	Z	05:19:06.4	82.7	87.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	05:20: 4.5			N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:32:18.4			0.8	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	05:31:51.2			N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:43:59.5			0.8	5	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	05:35:51.4	6.900N	94.290E	21.7	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:47:51.6	78.6	93.1					
GEC2	e P	Z	05:47:52.2	78.6	92.5	0.8	6	4.7		
WET	e P	Z	05:47:55.2	79.2	92.0	0.7	4	4.5		
MOX	e P	Z	05:47:59.7	80.0	91.3					
GRA1	e P	Z	05:48:01.5	80.3	90.8	0.8	7	4.6		
	e pP	Z	05:48:07.8							
CLZ	e P	Z	05:48:04.0	80.8	90.5	0.7	6	4.7		
BFO	e P	Z	05:48:11.0	82.2	88.4	0.8	3	4.5		
IBBN	e P	Z	05:48:12.7	82.4	88.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	06:02:33.6	7.830N	93.750E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:14:26.4	77.5	92.9					
GEC2	e P	Z	06:14:26.9	77.6	92.3	0.8	6	4.8		
CLL	e P	Z	06:14:29.3	78.1	92.3					
WET	e P	Z	06:14:29.9	78.1	91.7	0.8	4	4.6		
GRA1	e P	Z	06:14:36.3	79.2	90.6	0.9	10	4.8		
CLZ	e P	Z	06:14:38.7	79.8	90.3	1.0	10	4.7		
TNS	e P	Z	06:14:45.4	81.0	88.6					
BFO	e P	Z	06:14:45.7	81.1	88.2	1.0	5	4.5		
IBBN	e P	Z	06:14:47.4	81.4	88.3					
BUG	e P	Z	06:14:49.5	81.7	87.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	06:06:46.0	7.200N	93.290E	35.6	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:18:39.7	77.7	93.7					
GEC2	e P	Z	06:18:40.2	77.7	93.1	0.8	7	4.9		
WET	e P	Z	06:18:43.2	78.3	92.5	0.8	5	4.7		
CLL	e P	Z	06:18:42.6	78.3	93.1					
MOX	e P	Z	06:18:47.7	79.2	91.8					
GRA1	e P	Z	06:18:49.5	79.4	91.4	0.8	7	4.7		
	e pP	Z	06:18:59.8			1.4	48			
CLZ	e P	Z	06:18:52.0	80.0	91.1	0.8	6	4.6		
TNS	e P	Z	06:18:58.6	81.2	89.3					
BFO	e P	Z	06:18:58.8	81.3	88.9	0.9	3	4.4		
IBBN	e P	Z	06:19:01.3	81.6	89.1					
WLF	e P	Z	06:19:06.6	82.7	87.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	06:10:25.8	7.500N	93.500E	13.3	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:22:23.1	77.6	93.3					
GEC2	e P	Z	06:22:23.5	77.7	92.7	1.1	36	5.4		
WET	e P	Z	06:22:26.5	78.2	92.2	1.2	26	5.2		
CLL	e P	Z	06:22:26.0	78.2	92.7					
MOX	e P	Z	06:22:31.0	79.1	91.5					
FUR	e P	Z	06:22:31.7	79.2	90.8					
GRA1	e P	Z	06:22:32.8	79.3	91.0	1.1	36	5.3		
	e pP	Z	06:22:36.7							
CLZ	e P	Z	06:22:35.4	79.9	90.7	1.7	72	5.3		

STU	e P	Z	06:22:39.3	80.6	89.3			
TNS	e P	Z	06:22:42.0	81.1	89.0			
BFO	e P	Z	06:22:42.2	81.2	88.6	1.7	42	5.2
IBBN	e P	Z	06:22:44.1	81.5	88.7			
BUG	e P	Z	06:22:45.7	81.8	88.2			
WLF	e P	Z	06:22:50.3	82.6	87.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	06:13:25.2	7.500N	93.500E	33.0N	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:25:19.1	77.6	93.3					
GEC2	e P	Z	06:25:19.6	77.7	92.7	1.2	38	5.4		
WET	e P	Z	06:25:22.6	78.2	92.2	1.4	40	5.4		
CLL	e P	Z	06:25:22.1	78.2	92.7					
MOX	e P	Z	06:25:27.2	79.1	91.5					
FUR	e P	Z	06:25:27.9	79.2	90.8					
GRA1	e P	Z	06:25:29.0	79.3	91.0	1.2	48	5.4		
CLZ	e P	Z	06:25:31.5	79.9	90.7	1.0	26	5.1		
STU	e P	Z	06:25:35.4	80.6	89.3					
TNS	e P	Z	06:25:38.2	81.1	89.0					
BFO	e P	Z	06:25:38.3	81.2	88.6	1.3	19	5.0		
IBBN	e P	Z	06:25:40.2	81.5	88.7					
BUG	e P	Z	06:25:41.8	81.8	88.2					
WLF	e P	Z	06:25:46.4	82.6	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	06:39:55.3	8.260N	93.570E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:51:45.3	77.1	92.8					
GEC2	e P	Z	06:51:45.8	77.1	92.1	0.8	7	4.9		
CLL	e P	Z	06:51:48.3	77.7	92.2					
WET	e P	Z	06:51:48.8	77.7	91.6	0.8	5	4.7		
MOX	e P	Z	06:51:53.3	78.5	90.9					
GRA1	e P	Z	06:51:55.2	78.8	90.4	0.9	8	4.7		
CLZ	e P	Z	06:51:57.7	79.3	90.2	0.7	8	4.8		
TNS	e P	Z	06:52:04.4	80.5	88.4					
BFO	e P	Z	06:52:04.6	80.7	88.0	0.7	3	4.4		
IBBN	e P	Z	06:52:06.5	80.9	88.2					
WLF	e P	Z	06:52:12.7	82.0	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	07:02:30.1			N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:14:09.5			1.1	8	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	07:49:17.3	7.550N	93.560E	33.0N	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:01:10.9	77.6	93.3					
GEC2	e P	Z	08:01:11.3	77.7	92.6	1.3	48	5.5		
WET	e P	Z	08:01:14.3	78.2	92.1	1.3	39	5.4		
CLL	e P	Z	08:01:13.8	78.2	92.6					
MOX	e P	Z	08:01:18.9	79.1	91.4					
FUR	e P	Z	08:01:19.6	79.2	90.7					
GRA1	e P	Z	08:01:20.7	79.3	90.9	1.3	53	5.4		
CLZ	e P	Z	08:01:23.2	79.9	90.7	1.3	49	5.3		
STU	e P	Z	08:01:27.2	80.6	89.2					
TNS	e P	Z	08:01:29.9	81.1	88.9					
BFO	e P	Z	08:01:30.1	81.2	88.5	1.3	19	5.0		
IBBN	e P	Z	08:01:31.9	81.5	88.7					
BUG	e P	Z	08:01:33.5	81.8	88.2					
WLF	e P	Z	08:01:38.1	82.6	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	08:21:20.4	7.590N	93.570E	14.1	5.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:33:17.1	77.6	93.2					
GEC2	e P	Z	08:33:17.5	77.6	92.6	1.1	60	5.6		
WET	e P	Z	08:33:20.6	78.2	92.0	1.1	46	5.5		
CLL	e P	Z	08:33:20.0	78.2	92.6					
MOX	e P	Z	08:33:25.1	79.0	91.4					
FUR	e P	Z	08:33:25.8	79.2	90.6					
GRA1	e P	Z	08:33:26.9	79.3	90.9	1.6	128	5.7		
	e pP	Z	08:33:31.0							
CLZ	e P	Z	08:33:29.4	79.8	90.6	1.2	75	5.5		
STU	e P	Z	08:33:33.4	80.6	89.2					
TNS	e P	Z	08:33:36.1	81.1	88.9					
BFO	e P	Z	08:33:36.3	81.2	88.5	1.2	36	5.3		

IBBN	e P	Z	08:33:38.1	81.4	88.6
BUG	e P	Z	08:33:39.8	81.8	88.1
WLF	e P	Z	08:33:44.4	82.6	87.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	08:29:44.0	7.400N	93.940E	17.4	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:41:41.6	78.0	93.1					
GEC2	e P	Z	08:41:42.0	78.0	92.5	1.4	39	5.4		
WET	e P	Z	08:41:45.1	78.6	91.9	1.4	32	5.1		
CLL	e P	Z	08:41:44.6	78.6	92.4					
MOX	e P	Z	08:41:49.6	79.4	91.2					
FUR	e P	Z	08:41:50.3	79.6	90.5					
GRA1	e P	Z	08:41:51.4	79.7	90.7	1.2	37	5.2		
	e pP	Z	08:41:56.5							
CLZ	e P	Z	08:41:53.9	80.2	90.5	1.6	46	5.2		
STU	e P	Z	08:41:57.9	81.0	89.0					
TNS	e P	Z	08:42:00.6	81.4	88.7					
BFO	e P	Z	08:42:01.2	81.6	88.3	1.6	30	5.2		
IBBN	e P	Z	08:42:02.6	81.8	88.5					
BUG	e P	Z	08:42:04.2	82.1	88.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	08:47:16.3	7.670N	93.890E	28.5	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:59:11.4	77.7	92.9					
GEC2	e P	Z	08:59:11.8	77.8	92.3	0.9	19	5.2		
CLL	e P	Z	08:59:14.3	78.3	92.3					
WET	e P	Z	08:59:14.8	78.3	91.7	1.0	15	5.1		
MOX	e P	Z	08:59:19.4	79.2	91.1					
GRA1	e P	Z	08:59:21.2	79.4	90.6	1.0	23	5.2		
	e pP	Z	08:59:29.4							
CLZ	e P	Z	08:59:23.7	80.0	90.3	1.0	21	5.0		
TNS	e P	Z	08:59:30.4	81.2	88.6					
BFO	e P	Z	08:59:30.6	81.3	88.2	1.4	21	5.0		
IBBN	e P	Z	08:59:32.4	81.6	88.3					
BUG	e P	Z	08:59:34.3	81.9	87.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	09:40:18.9	7.470N	94.150E	17.7	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:52:17.0	78.0	92.9					
GEC2	e P	Z	09:52:17.5	78.1	92.2	0.9	8	4.9		
CLL	e P	Z	09:52:20.0	78.6	92.2					
WET	e P	Z	09:52:20.5	78.7	91.7	0.9	5	4.6		
MOX	e P	Z	09:52:25.0	79.5	91.0					
GRA1	e P	Z	09:52:26.9	79.7	90.5	1.0	12	4.8		
	e pP	Z	09:52:32.0			1.0	12			
CLZ	e P	Z	09:52:29.4	80.3	90.2	0.8	9	4.8		
TNS	e P	Z	09:52:36.0	81.5	88.5					
BFO	e P	Z	09:52:36.3	81.7	88.1	0.9	4	4.5		
IBBN	e P	Z	09:52:38.1	81.9	88.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	10:21:15.5	7.540N	94.010E	16.2	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	10:33:12.7	77.9	92.9					
GEC2	e P	Z	10:33:13.2	78.0	92.3	0.9	10	5.0		
CLL	e P	Z	10:33:15.6	78.5	92.3					
WET	e P	Z	10:33:16.2	78.5	91.7	1.0	7	4.7		
MOX	e P	Z	10:33:20.7	79.4	91.1					
GRA1	e P	Z	10:33:22.6	79.6	90.6	1.0	13	4.8		
	e pP	Z	10:33:27.3							
CLZ	e P	Z	10:33:25.1	80.2	90.3	1.0	12	4.8		
BFO	e P	Z	10:33:32.0	81.5	88.2	0.8	4	4.6		
IBBN	e P	Z	10:33:33.8	81.8	88.3					
BUG	e P	Z	10:33:35.5	82.1	87.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	10:59:27.0				5.1			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:11:49.6			1.1	14	5.1		
	e pP	Z	11:11:53.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	11:52:59.1	7.560N	94.380E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:04:55.6	78.1	92.6	1.4	27	5.2		
GEC2	e P	Z	12:04:56.0	78.2	92.0	1.0	23	5.2		
CLL	e P	Z	12:04:58.4	78.7	92.0					
WET	e P	Z	12:04:59.0	78.7	91.4	1.2	18	5.0		
MOX	e P	Z	12:05:03.6	79.6	90.8					
GRA1	e P	Z	12:05:05.4	79.8	90.3	1.3	46	5.2		
CLZ	e P	Z	12:05:07.9	80.4	90.0	1.3	20	4.9		
TNS	e P	Z	12:05:14.6	81.6	88.3					
BFO	e P	Z	12:05:14.8	81.7	87.9	1.1	10	4.9		
BUG	e P	Z	12:05:18.2	82.3	87.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	12:37:12.7	7.750N	94.000E	14.4	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	12:49:07.0	77.7	92.8					
GEC2	e P	Z	12:49:07.4	77.8	92.2	1.1	48	5.5		
CLL	e P	Z	12:49:09.9	78.3	92.1					
WET	e P	Z	12:49:10.5	78.3	91.6	1.2	40	5.4		
MOX	e P	Z	12:49:15.0	79.2	90.9					
FUR	e P	Z	12:49:15.8	79.4	90.2					
GRA1	e P	Z	12:49:16.8	79.4	90.5	1.4	86	5.6		
	e pP	Z	12:49:21.0							
CLZ	e P	Z	12:49:19.3	80.0	90.2	1.5	95	5.5		
STU	e P	Z	12:49:23.4	80.8	88.8					
TNS	e P	Z	12:49:26.0	81.2	88.4					
BFO	e P	Z	12:49:26.2	81.3	88.0	1.2	27	5.2		
IBBN	e P	Z	12:49:28.0	81.6	88.2					
BUG	e P	Z	12:49:29.7	81.9	87.7					
WLF	e P	Z	12:49:34.3	82.7	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	15:46:46.2	1.183S	81.093W	10.0G		5.6		NEIC-M

Off coast of Ecuador

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	15:59:42.8	89.1	267.1					
BUG	e P	Z	15:59:44.9	89.9	268.0					
IBBN	e P	Z	15:59:46.6	90.2	268.4					
BFO	e P	Z	15:59:46.6	90.5	268.8					
TNS	e P	Z	15:59:47.4	90.6	268.9					

STU	e P	Z	15:59:49.9	91.1	269.4					
BSEG	e P	Z	15:59:57.3	91.8	270.4					
CLZ	e P	Z	15:59:53.6	91.8	270.4					
GRA1	e P	Z	15:59:59.2	92.4	271.0					
	e PP	Z	16:03:35.2							
	e SKSac	R	16:10:33.2							
	e S	R	16:10:59.4							
	e ScS	N	16:11:03.0							
	e L	Z	16:36:31.6			21.7	2109	5.6		
FUR	e P	Z	15:59:57.2	92.5	271.0					
MOX	e P	Z	15:59:59.8	92.6	271.3					
CLL	e P	Z	16:00:04.2	93.5	272.5					
WET	e P	Z	16:00:02.2	93.5	272.2					
GEC2	e P	Z	16:00:03.5	94.0	272.8					
BRG	e P	Z	16:00:03.7	94.1	273.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	16:32:47.7				4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:45:15.4			0.8	5	4.8		
	e pP	Z	16:45:20.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	17:04:47.5	7.530N	94.340E	13.1	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:16:47.9	78.1	92.7					
GEC2	e P	Z	17:16:48.4	78.2	92.1	0.9	9	4.9		
CLL	e P	Z	17:16:50.9	78.7	92.0					
WET	e P	Z	17:16:51.4	78.7	91.5	1.0	7	4.7		
MOX	e P	Z	17:16:56.0	79.6	90.8					
GRA1	e P	Z	17:16:57.8	79.8	90.3	1.0	9	4.7		
	e pP	Z	17:17:01.5			1.0	9			
CLZ	e P	Z	17:17:00.3	80.4	90.1	0.8	7	4.6		
BFO	e P	Z	17:17:07.2	81.7	87.9	0.9	5	4.6		
BUG	e P	Z	17:17:10.7	82.3	87.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	17:16:41.7			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:28:34.8			0.9	5	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	17:26: 7.6			N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:38:20.8			1.0	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	17:31:56.4	7.610N	94.080E	22.3	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	17:43:53.0	77.9	92.8					
GEC2	e P	Z	17:43:53.5	78.0	92.2	0.8	7	4.8		
CLL	e P	Z	17:43:55.9	78.5	92.2					
WET	e P	Z	17:43:56.6	78.5	91.6	0.9	5	4.5		
MOX	e P	Z	17:44:01.1	79.3	91.0					
GRA1	e P	Z	17:44:02.9	79.6	90.5	0.9	10	4.7		
	e pP	Z	17:44:09.3							
CLZ	e P	Z	17:44:05.4	80.1	90.2	0.9	7	4.6		
TNS	e P	Z	17:44:12.1	81.4	88.5					
BFO	e P	Z	17:44:12.3	81.5	88.1	0.9	4	4.5		
IBBN	e P	Z	17:44:14.1	81.7	88.2					
BUG	e P	Z	17:44:15.8	82.1	87.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	17:49:40.0	7.850N	93.630E	13.2	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:01:35.4	77.4	93.0					
GEC2	e P	Z	18:01:35.9	77.5	92.4	1.1	48	5.6		
CLL	e P	Z	18:01:38.3	78.0	92.4					
WET	e P	Z	18:01:38.9	78.0	91.8	1.1	38	5.4		
MOX	e P	Z	18:01:43.4	78.9	91.2					
FUR	e P	Z	18:01:44.2	79.1	90.4					
GRA1	e P	Z	18:01:45.3	79.1	90.7	1.1	51	5.5		
	e pP	Z	18:01:49.1							
CLZ	e P	Z	18:01:47.8	79.7	90.4	1.1	56	5.4		

STU	e P	Z	18:01:51.7	80.4	89.0			
TNS	e P	Z	18:01:54.4	80.9	88.6			
BFO	e P	Z	18:01:54.7	81.0	88.2	1.1	26	5.2
IBBN	e P	Z	18:01:56.4	81.3	88.4			
BUG	e P	Z	18:01:58.1	81.6	87.9			
WLF	e P	Z	18:02:02.8	82.4	86.8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	18:16:15.6	7.600N	94.330E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:28:11.1	78.1	92.6					
GEC2	e P	Z	18:28:11.6	78.1	92.0	0.9	7	4.8		
CLL	e P	Z	18:28:14.0	78.7	92.0					
WET	e P	Z	18:28:14.6	78.7	91.5	1.0	6	4.6		
MOX	e P	Z	18:28:19.1	79.5	90.8					
GRA1	e P	Z	18:28:21.0	79.8	90.3	0.9	9	4.7		
CLZ	e P	Z	18:28:23.5	80.3	90.0	1.0	9	4.7		
TNS	e P	Z	18:28:30.1	81.5	88.3					
BFO	e P	Z	18:28:30.4	81.7	87.9	0.8	2	4.4		
IBBN	e P	Z	18:28:32.1	81.9	88.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	19:18:50.6	7.380N	93.670E	21.5	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:30:46.9	77.8	93.3					
GEC2	e P	Z	19:30:47.3	77.9	92.7	1.1	39	5.5		
WET	e P	Z	19:30:50.4	78.4	92.1	1.1	23	5.2		
CLL	e P	Z	19:30:49.9	78.4	92.6					
MOX	e P	Z	19:30:54.9	79.3	91.4					
FUR	e P	Z	19:30:55.6	79.4	90.7					
GRA1	e P	Z	19:30:56.7	79.5	90.9	1.1	42	5.3		
	e pP	Z	19:31:02.9							
CLZ	e P	Z	19:30:59.2	80.1	90.7	1.4	45	5.2		
STU	e P	Z	19:31:03.2	80.8	89.3					
TNS	e P	Z	19:31:05.9	81.3	88.9					
BFO	e P	Z	19:31:06.1	81.4	88.5	1.3	22	5.0		
IBBN	e P	Z	19:31:07.9	81.7	88.7					
BUG	e P	Z	19:31:09.5	82.0	88.2					
WLF	e P	Z	19:31:14.1	82.8	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	20:39:14.8			N	4.8			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:51:40.2			1.0	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	20:41:39.4			N	4.7			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	20:54:04.6			0.8	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	22:29: 5.9	7.480N	93.640E	33.0N	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:41:00.5	77.7	93.3					
GEC2	e P	Z	22:41:00.9	77.8	92.6	1.2	28	5.3		
WET	e P	Z	22:41:03.9	78.3	92.1	1.5	40	5.3		
CLL	e P	Z	22:41:03.3	78.3	92.6					
MOX	e P	Z	22:41:08.4	79.2	91.4					
FUR	e P	Z	22:41:09.2	79.3	90.7					
GRA1	e P	Z	22:41:10.3	79.4	90.9	1.5	78	5.5		
CLZ	e P	Z	22:41:12.7	80.0	90.6	1.5	49	5.2		
STU	e P	Z	22:41:16.7	80.7	89.2					
TNS	e P	Z	22:41:19.4	81.2	88.9					
BFO	e P	Z	22:41:19.6	81.3	88.5	1.2	15	4.9		
IBBN	e P	Z	22:41:21.4	81.6	88.7					
BUG	e P	Z	22:41:23.1	81.9	88.1					
WLF	e P	Z	22:41:27.6	82.7	87.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	22:35: 7.5	4.190N	94.880E	21.8	5.3			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:47:20.8	81.0	94.4					
GEC2	e P	Z	22:47:21.2	81.0	93.9	0.9	29	5.3		
WET	e P	Z	22:47:24.2	81.6	93.3	1.0	20	5.2		

CLL	e P	Z	22:47:23.7	81.7	93.7				
MOX	e P	Z	22:47:28.8	82.5	92.6				
FUR	e P	Z	22:47:29.5	82.6	92.0				
GRA1	e P	Z	22:47:30.6	82.7	92.1	1.0	29	5.5	
	e pP	Z	22:47:36.9						
CLZ	e P	Z	22:47:33.1	83.3	91.7	0.9	24	5.4	
STU	e P	Z	22:47:37.1	84.0	90.5				
TNS	e P	Z	22:47:39.7	84.5	90.1				
BFO	e P	Z	22:47:39.9	84.6	89.8	1.0	17	5.2	
IBBN	e P	Z	22:47:41.8	84.9	89.7				
BUG	e P	Z	22:47:43.5	85.2	89.3				
WLF	e P	Z	22:47:45.0	86.0	88.3				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	22:57:22.0				4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:09:34.4			0.9	4	4.5		
	e pP	Z	23:09:39.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/28	23:32: 8.3	7.480N	93.650E	12.4	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:44:05.8	77.7	93.2					
GEC2	e P	Z	23:44:06.3	77.8	92.6	1.2	27	5.3		
WET	e P	Z	23:44:09.4	78.3	92.1	1.3	22	5.1		
CLL	e P	Z	23:44:08.7	78.3	92.6					
MOX	e P	Z	23:44:13.8	79.2	91.4					
FUR	e P	Z	23:44:14.6	79.4	90.7					
GRA1	e P	Z	23:44:15.7	79.4	90.9	1.2	30	5.2		
	e pP	Z	23:44:19.2							
CLZ	e P	Z	23:44:18.1	80.0	90.6	1.1	22	5.0		
STU	e P	Z	23:44:22.0	80.7	89.2					
TNS	e P	Z	23:44:24.8	81.2	88.9					
BFO	e P	Z	23:44:25.0	81.3	88.5	1.4	22	5.0		
IBBN	e P	Z	23:44:26.8	81.6	88.6					
BUG	e P	Z	23:44:28.5	81.9	88.1					
WLF	e P	Z	23:44:33.1	82.7	87.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	01:13:46.2	7.580N	92.490E	38.0	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	01:25:34.6	76.9	94.1	0.8	5	4.7		
GEC2	e P	Z	01:25:34.8	76.9	93.4	0.8	9	5.0		
WET	e P	Z	01:25:37.9	77.5	92.9	0.8	5	4.7		
CLL	e P	Z	01:25:37.5	77.5	93.4					
MOX	e P	Z	01:25:42.5	78.4	92.2					
FUR	e P	Z	01:25:43.0	78.5	91.5					
GRA1	e P	Z	01:25:44.4	78.6	91.7	0.8	12	5.0		
	e pP	Z	01:25:55.3							
CLZ	e P	Z	01:25:47.0	79.2	91.5	0.7	8	4.8		
STU	e P	Z	01:25:50.8	79.9	90.0					
TNS	e P	Z	01:25:53.6	80.4	89.7					
BFO	e P	Z	01:25:53.7	80.5	89.3	0.8	4	4.5		
IBBN	e P	Z	01:25:55.8	80.8	89.5					
BUG	e P	Z	01:25:57.4	81.1	89.0					
WLF	e P	Z	01:26:02.2	81.9	87.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	01:50:21.5	7.410N	94.180E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:02:17.6	78.1	92.9					
GEC2	e P	Z	02:02:18.0	78.2	92.3	0.8	6	4.8		
CLL	e P	Z	02:02:20.5	78.7	92.2					
WET	e P	Z	02:02:21.0	78.7	91.7	0.8	4	4.5		
MOX	e P	Z	02:02:25.5	79.6	91.0					
GRA1	e P	Z	02:02:27.4	79.8	90.5	0.9	6	4.5		
CLZ	e P	Z	02:02:29.9	80.4	90.3	0.9	6	4.5		
TNS	e P	Z	02:02:36.6	81.6	88.5					
BFO	e P	Z	02:02:36.8	81.7	88.1	1.0	4	4.5		
IBBN	e P	Z	02:02:38.6	82.0	88.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	01:56:48.8			N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:08:47.8			1.0	5	4.7		
	e pP	Z	02:08:52.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	02:08:22.3			N	4.7			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:20:08.0			1.0	7	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	02:55:20.2	4.500N	94.500E	45.8	5.4			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:07:26.3	80.6	94.5					
GEC2	e P	Z	03:07:26.7	80.6	94.0	1.0	44	5.5		
WET	e P	Z	03:07:29.6	81.1	93.4	0.9	23	5.2		
CLL	e P	Z	03:07:29.2	81.2	93.8					
MOX	e P	Z	03:07:34.0	82.0	92.6					
FUR	e P	Z	03:07:34.4	82.1	92.0					
GRA1	e P	Z	03:07:35.7	82.2	92.2	0.9	36	5.5		
	e pP	Z	03:07:48.9							
CLZ	e P	Z	03:07:38.3	82.8	91.8	0.8	20	5.4		
STU	e P	Z	03:07:41.7	83.5	90.6					
TNS	e P	Z	03:07:44.6	84.0	90.1					
BFO	e P	Z	03:07:44.5	84.1	89.9	0.8	15	5.3		
IBBN	e P	Z	03:07:46.7	84.5	89.8					
BUG	e P	Z	03:07:48.2	84.8	89.4					
WLF	e P	Z	03:07:52.5	85.5	88.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	03:38: 0.6	7.770N	93.850E	15.6	5.4			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:49:56.9	77.6	92.9					
GEC2	e P	Z	03:49:57.4	77.7	92.3	1.4	61	5.5		
CLL	e P	Z	03:49:59.8	78.2	92.3					
WET	e P	Z	03:50:00.4	78.2	91.7	1.4	44	5.4		
MOX	e P	Z	03:50:05.0	79.1	91.0					
FUR	e P	Z	03:50:05.8	79.3	90.3					
GRA1	e P	Z	03:50:06.8	79.3	90.6	1.5	83	5.5		
	e pP	Z	03:50:11.3							
CLZ	e P	Z	03:50:09.3	79.9	90.3	1.3	51	5.3		
STU	e P	Z	03:50:13.4	80.6	88.9					
TNS	e P	Z	03:50:15.9	81.1	88.5					

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z	03:50:16.2	81.2	88.1	1.4	34	5.2		
IBBN	e P	Z	03:50:17.9	81.5	88.3					
BUG	e P	Z	03:50:19.6	81.8	87.8					
WLF	e P	Z	03:50:24.2	82.6	86.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	05:26:50.6	8.750N	94.000E	14.6	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:38:42.2	77.0	92.1					
GEC2	e P	Z	05:38:42.6	77.0	91.5	1.1	31	5.3		
CLL	e P	Z	05:38:45.1	77.6	91.5					
WET	e P	Z	05:38:45.7	77.6	90.9	1.1	18	5.1		
MOX	e P	Z	05:38:50.2	78.4	90.3					
FUR	e P	Z	05:38:50.9	78.6	89.5					
GRA1	e P	Z	05:38:52.0	78.7	89.8	1.2	43	5.4		
	e pP	Z	05:38:56.2							
CLZ	e P	Z	05:38:54.5	79.2	89.5	1.3	44	5.3		
STU	e P	Z	05:38:58.6	80.0	88.1					
TNS	e P	Z	05:39:01.2	80.4	87.8					
BFO	e P	Z	05:39:02.6	80.6	87.4	1.2	16	4.9		
IBBN	e P	Z	05:39:03.2	80.8	87.6					
BUG	e P	Z	05:39:04.9	81.1	87.1					
WLF	e P	Z	05:39:09.5	82.0	85.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	05:44:13.2	12.580N	92.610E	27.8N	5.6			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:55:41.7	73.1	90.7					
GEC2	e P	Z	05:55:42.7	73.3	89.9	0.9	91	5.9		
CLL	e P	Z	05:55:44.8	73.7	90.1					
WET	e P	Z	05:55:45.9	73.8	89.4	1.1	69	5.6		
MOX	e P	Z	05:55:50.3	74.6	88.8					
GRA1	e P	Z	05:55:52.4	74.9	88.3	1.3	114	5.7		
FUR	e P	Z	05:55:51.8	74.9	87.9					
CLZ	e P	Z	05:55:54.6	75.4	88.2	1.1	85	5.7		
STU	e P	Z	05:55:59.4	76.3	86.5					
TNS	e P	Z	05:56:01.9	76.7	86.3					
BFO	e P	Z	05:56:02.8	76.9	85.8	1.0	23	5.3		
IBBN	e P	Z	05:56:03.6	76.9	86.2					
BUG	e P	Z	05:56:05.6	77.3	85.7					
WLF	e P	Z	05:56:11.0	78.2	84.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	06:10:41.7	2.930N	93.800E	31.6	5.5			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	06:22:55.4	81.3	95.6	1.4	120	5.7		
BRG	e P	Z	06:22:55.4	81.3	96.0					
WET	e P	Z	06:22:58.3	81.9	95.0	1.2	45	5.5		
CLL	e P	Z	06:22:58.2	82.0	95.4					
MOX	e P	Z	06:23:03.0	82.8	94.2					
FUR	e P	Z	06:23:02.9	82.8	93.6					
GRA1	e P	Z	06:23:04.4	83.0	93.8	1.1	62	5.7		
	e pP	Z	06:23:13.6							
CLZ	e P	Z	06:23:07.2	83.6	93.4	1.1	36	5.5		
STU	e P	Z	06:23:10.3	84.2	92.1					
TNS	e P	Z	06:23:13.2	84.8	91.7					
BFO	e P	Z	06:23:12.9	84.8	91.4	1.0	21	5.3		
IBBN	e P	Z	06:23:15.7	85.3	91.3					
BUG	e P	Z	06:23:17.0	85.5	90.9					
WLF	e P	Z	06:23:20.8	86.2	89.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	07:21:40.9	2.660N	94.140E	25.8	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	07:33:56.9	81.7	95.5	1.0	23	5.2		
BRG	e P	Z	07:33:57.0	81.8	96.0					
WET	e P	Z	07:33:59.9	82.3	94.9	1.2	16	5.0		
CLL	e P	Z	07:33:59.7	82.4	95.3					
MOX	e P	Z	07:34:04.5	83.2	94.1					
FUR	e P	Z	07:34:04.5	83.3	93.5					
GRA1	e P	Z	07:34:05.9	83.4	93.7	1.1	27	5.4		
	e pP	Z	07:34:13.4							
CLZ	e P	Z	07:34:08.7	84.1	93.3	1.1	13	5.1		
STU	e P	Z	07:34:11.9	84.7	92.0					
TNS	e P	Z	07:34:14.7	85.2	91.6					
BFO	e P	Z	07:34:14.3	85.2	91.4	2.0	28	5.1		
IBBN	e P	Z	07:34:17.2	85.7	91.2					
BUG	e P	Z	07:34:18.5	86.0	90.8					
WLF	e P	Z	07:34:22.4	86.7	89.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	07:41:33.9	37.775N	1.486W	33.0N				SZGRF

Spain

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:45:09.0	15.0	222.2	0.9	5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	09:27:35.4	6.660N	94.140E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:39:34.6	78.7	93.4					
GEC2	e P	Z	09:39:35.1	78.7	92.8	0.9	6	4.6		
WET	e P	Z	09:39:38.1	79.3	92.2	1.0	5	4.5		
CLL	e P	Z	09:39:37.6	79.3	92.7					
MOX	e P	Z	09:39:42.6	80.1	91.5					
FUR	e P	Z	09:39:43.3	80.3	90.8					
GRA1	e P	Z	09:39:44.4	80.3	91.1	0.8	5	4.5		
CLZ	e P	Z	09:39:47.0	80.9	90.8	0.9	8	4.7		
BFO	e P	Z	09:39:53.8	82.2	88.7	1.0	5	4.6		
IBBN	e P	Z	09:39:55.6	82.5	88.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	14:45:16.7	13.810N	64.290W	33.0N	5.0			SZGRF

Caribbean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
WLF	e P	Z	14:56:06.4	66.9	264.2	0.8	9	5.1		
IBBN	e P	Z	14:56:13.9	68.2	264.4	0.9	18	5.3		
TNS	e P	Z	14:56:15.7	68.4	265.8	0.7	9	5.1		
STU	e P	Z	14:56:18.4	68.8	266.9	0.8	12	5.2		
CLZ	e P	Z	14:56:24.2	69.7	266.7	1.0	9	4.9		
GRA1	e P	Z	14:56:26.8	70.2	268.1	1.7	32	5.2		
CLL	e P	Z	14:56:33.8	71.3	268.9	1.3	10	4.8		
GEC2	e P	Z	14:56:36.2	71.8	270.3	1.0	5	4.6		
BRG	e P	Z	14:56:37.8	71.9	269.8	0.7	6	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKP	Z	15:11:10.6							

BRG	e PKP	Z	15:11:01.9
BSEG	e PKP	Z	15:11:01.3
BUG	e PKP	Z	15:11:07.2
CLL	e PKP	Z	15:11:02.2
CLZ	e PKP	Z	15:11:04.2
GEC2	e PKP	Z	15:11:04.6
GRA1	e PKP	Z	15:11:05.9
IBBN	e PKP	Z	15:11:05.7
MOX	e PKP	Z	15:11:04.5
RUE	e PKP	Z	15:11:00.4
STU	e PKP	Z	15:11:09.6
TNS	e PKP	Z	15:11:08.2
WET	e PKP	Z	15:11:05.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	16:28: 1.1	7.750N	94.000E	33.0N	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	16:39:54.7	77.7	92.8					
GEC2	e P	Z	16:39:55.0	77.8	92.2	0.7	12	5.1		
CLL	e P	Z	16:39:57.7	78.3	92.1					
WET	e P	Z	16:39:58.0	78.3	91.6	1.2	15	5.0		
MOX	e P	Z	16:40:02.5	79.2	90.9					
GRA1	e P	Z	16:40:05.0	79.4	90.5	1.1	19	5.1		
CLZ	e P	Z	16:40:06.9	80.0	90.2	0.7	12	4.9		
TNS	e P	Z	16:40:13.6	81.2	88.4					
BFO	e P	Z	16:40:14.1	81.3	88.0	2.5	62	5.2		
IBBN	e P	Z	16:40:15.8	81.6	88.2					
BUG	e P	Z	16:40:17.6	81.9	87.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	16:36:50.8	7.420N	93.980E	15.4	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	16:48:48.9	78.0	93.0					
GEC2	e P	Z	16:48:49.4	78.0	92.4	0.9	16	5.1		
WET	e P	Z	16:48:52.4	78.6	91.8	1.0	11	4.9		
CLL	e P	Z	16:48:51.8	78.6	92.4					
MOX	e P	Z	16:48:56.9	79.4	91.2					
FUR	e P	Z	16:48:57.7	79.6	90.4					
GRA1	e P	Z	16:48:58.7	79.7	90.7	1.0	18	5.0		
	e pP	Z	16:49:03.2							
CLZ	e P	Z	16:49:01.2	80.2	90.4	0.9	18	5.0		

TNS	e P	Z	16:49:07.9	81.5	88.7				
BFO	e P	Z	16:49:08.2	81.6	88.3	0.9	6	4.7	
IBBN	e P	Z	16:49:09.9	81.8	88.4				
BUG	e P	Z	16:49:11.6	82.2	87.9				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	16:37: 1.1	59.098N	149.815W	33.0N	4.6			SZGRF

Kenai Peninsula, Alaska, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:48:10.6	70.1	349.8	0.9	4	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	17:11:50.4				4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:24:20.2			1.0	7	4.8		
	e pP	Z	17:24:26.2			1.0	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	18:20:57.6	5.180N	94.340E	33.0N	5.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:33:03.7	79.9	94.2					
GEC2	e P	Z	18:33:04.0	79.9	93.6	0.9	60	5.5		
WET	e P	Z	18:33:06.9	80.5	93.1	0.9	34	5.4		
CLL	e P	Z	18:33:06.5	80.5	93.5					
MOX	e P	Z	18:33:11.4	81.4	92.3					
FUR	e P	Z	18:33:11.9	81.5	91.7					
GRA1	e P	Z	18:33:13.1	81.6	91.9	0.8	55	5.7		
CLZ	e P	Z	18:33:15.7	82.2	91.5	0.7	39	5.6		
STU	e P	Z	18:33:19.2	82.9	90.2					
TNS	e P	Z	18:33:22.0	83.4	89.8					
BFO	e P	Z	18:33:22.0	83.5	89.5	0.8	28	5.6		
IBBN	e P	Z	18:33:24.1	83.8	89.5					
BUG	e P	Z	18:33:25.7	84.1	89.1					
WLF	e P	Z	18:33:30.0	84.9	88.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	18:37:59.7	8.350N	93.500E	21.5	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:49:51.4	76.9	92.8					
GEC2	e P	Z	18:49:51.9	77.0	92.1	0.9	11	5.0		
CLL	e P	Z	18:49:54.3	77.6	92.2					
WET	e P	Z	18:49:54.9	77.6	91.6	0.9	8	4.8		
MOX	e P	Z	18:49:59.4	78.4	90.9					
FUR	e P	Z	18:50:00.2	78.6	90.2					
GRA1	e P	Z	18:50:01.2	78.7	90.4	0.8	11	4.9		
	e pP	Z	18:50:07.4							
CLZ	e P	Z	18:50:03.8	79.2	90.2	0.8	12	4.9		
TNS	e P	Z	18:50:10.4	80.4	88.4					
BFO	e P	Z	18:50:10.7	80.6	88.0	0.8	4	4.5		
IBBN	e P	Z	18:50:12.4	80.8	88.2					
BUG	e P	Z	18:50:14.1	81.1	87.7					
WLF	e P	Z	18:50:19.0	81.9	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	18:52:56.1	38.184N	26.781E	8.0G	4.3			KAN-M

Aegean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:56:20.6	16.0	130.1	1.3	35	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	19:06:11.6	6.941N	94.639E	33.0N	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	19:18:10.7	78.8	92.8					
GEC2	e P	Z	19:18:11.2	78.8	92.2	0.9	7	4.7		
CLL	e P	Z	19:18:13.6	79.4	92.2					
WET	e P	Z	19:18:14.2	79.4	91.7	0.9	4	4.4		
MOX	e P	Z	19:18:18.7	80.2	91.0					
GRA1	e P	Z	19:18:20.5	80.5	90.5	0.9	8	4.6		
CLZ	e P	Z	19:18:23.0	81.0	90.2	0.9	6	4.6		
TNS	e P	Z	19:18:29.7	82.2	88.5					
BFO	e P	Z	19:18:29.9	82.4	88.1	1.2	9	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	20:01:53.9	7.560N	93.570E	20.0	5.3			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	20:13:49.3	77.6	93.3					
GEC2	e P	Z	20:13:49.8	77.7	92.6	0.8	33	5.5		
WET	e P	Z	20:13:52.8	78.2	92.1	0.8	20	5.3		
CLL	e P	Z	20:13:52.3	78.2	92.6					
MOX	e P	Z	20:13:57.3	79.1	91.4					
FUR	e P	Z	20:13:58.1	79.2	90.7					
GRA1	e P	Z	20:13:59.2	79.3	90.9	0.9	36	5.4		
	e pP	Z	20:14:04.9							
CLZ	e P	Z	20:14:01.7	79.9	90.6	0.7	41	5.4		
STU	e P	Z	20:14:05.6	80.6	89.2					
TNS	e P	Z	20:14:08.4	81.1	88.9					
BFO	e P	Z	20:14:08.6	81.2	88.5	1.3	24	5.1		
IBBN	e P	Z	20:14:10.4	81.5	88.7					
BUG	e P	Z	20:14:12.0	81.8	88.1					
WLF	e P	Z	20:14:16.7	82.6	87.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	20:25:23.4	7.500N	93.500E	15.6	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	20:37:18.9	77.6	93.3					
GEC2	e P	Z	20:37:19.4	77.7	92.7	1.0	8	4.8		
WET	e P	Z	20:37:22.4	78.2	92.2	0.9	5	4.6		
CLL	e P	Z	20:37:21.9	78.2	92.7					
MOX	e P	Z	20:37:27.0	79.1	91.5					
FUR	e P	Z	20:37:27.7	79.2	90.8					
GRA1	e P	Z	20:37:28.8	79.3	91.0	0.9	10	4.8		
	e pP	Z	20:37:33.3							
CLZ	e P	Z	20:37:31.3	79.9	90.7	0.9	8	4.6		
STU	e P	Z	20:37:35.1	80.6	89.3					
TNS	e P	Z	20:37:38.0	81.1	89.0					
BFO	e P	Z	20:37:38.1	81.2	88.6	0.9	2	4.2		
IBBN	e P	Z	20:37:40.0	81.5	88.7					
BUG	e P	Z	20:37:41.6	81.8	88.2					
WLF	e P	Z	20:37:46.3	82.6	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	20:28:23.5	7.360N	93.770E	31.9	5.1			SZGRF

Nicobar Islands, India, region

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

BRG	e P	Z	20:40:18.4	77.9	93.2				
GEC2	e P	Z	20:40:18.8	77.9	92.6	1.0	24	5.3	
WET	e P	Z	20:40:21.9	78.5	92.0	1.1	20	5.1	
CLL	e P	Z	20:40:21.3	78.5	92.6				
MOX	e P	Z	20:40:26.4	79.3	91.4				
FUR	e P	Z	20:40:27.1	79.5	90.6				
GRA1	e P	Z	20:40:28.2	79.6	90.9	1.0	25	5.1	
	e pP	Z	20:40:37.5						
CLZ	e P	Z	20:40:30.7	80.1	90.6	1.0	22	5.0	
STU	e P	Z	20:40:34.7	80.9	89.2				
TNS	e P	Z	20:40:37.3	81.4	88.9				
BFO	e P	Z	20:40:37.5	81.5	88.5	1.1	10	4.8	
IBBN	e P	Z	20:40:39.4	81.7	88.6				
BUG	e P	Z	20:40:41.0	82.1	88.1				
WLF	e P	Z	20:40:45.6	82.9	87.0				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	20:54: 2.1			N	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:06:28.5			0.9	4	4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	20:58:46.6				5.4			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:10:37.5			1.1	19	5.4		
	e pP	Z	21:10:44.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	21:29:37.2	6.580N	93.980E	11.7	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	21:41:38.7	78.6	93.6					
GEC2	e P	Z	21:41:39.2	78.7	93.0	0.8	7	4.8		
WET	e P	Z	21:41:42.3	79.2	92.4	0.9	4	4.4		
MOX	e P	Z	21:41:46.8	80.1	91.7					
FUR	e P	Z	21:41:47.6	80.2	91.0					
GRA1	e P	Z	21:41:48.6	80.3	91.2	0.9	7	4.6		
	e pP	Z	21:41:52.0							

CLZ	e P	Z	21:41:51.1	80.9	90.9	0.9	7	4.7	
TNS	e P	Z	21:41:57.8	82.1	89.2				
BFO	e P	Z	21:41:58.0	82.2	88.8	0.9	4	4.6	
IBBN	e P	Z	21:41:59.8	82.5	88.9				
BUG	e P	Z	21:42:01.5	82.8	88.4				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	22:02:52.9	6.279N	95.079E	21.3	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	22:15:06.0	81.2	90.6	0.9	5	4.6		
	e pP	Z	22:15:12.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	22:03:38.0	7.580N	93.540E	33.0N	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:15:31.3	77.6	93.3	0.8	5	4.7		
GEC2	e P	Z	22:15:31.7	77.6	92.6					
WET	e P	Z	22:15:34.8	78.2	92.1	0.8	6	4.8		
CLL	e P	Z	22:15:34.2	78.2	92.6					
MOX	e P	Z	22:15:39.3	79.0	91.4					
FUR	e P	Z	22:15:40.0	79.2	90.7					
GRA1	e P	Z	22:15:41.1	79.3	90.9	0.9	11	4.9		
CLZ	e P	Z	22:15:43.6	79.8	90.7	0.8	10	4.8		
STU	e P	Z	22:15:47.5	80.6	89.2					
TNS	e P	Z	22:15:50.3	81.0	88.9					
BFO	e P	Z	22:15:50.5	81.2	88.5	0.9	6	4.6		
IBBN	e P	Z	22:15:52.3	81.4	88.7					
BUG	e P	Z	22:15:54.0	81.8	88.2					
WLF	e P	Z	22:15:58.6	82.5	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	22:12:38.3	8.820N	93.910E	20.8	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	22:24:29.5	76.8	92.2					
GEC2	e P	Z	22:24:30.0	76.9	91.5	0.9	5	4.7		
CLL	e P	Z	22:24:32.4	77.4	91.5					
WET	e P	Z	22:24:33.0	77.5	91.0	0.8	3	4.4		

MOX	e P	Z	22:24:37.6	78.3	90.3				
FUR	e P	Z	22:24:38.3	78.5	89.5				
GRA1	e P	Z	22:24:39.3	78.6	89.8	0.8	5	4.6	
	e pP	Z	22:24:45.3						
CLZ	e P	Z	22:24:41.9	79.1	89.6	0.9	4	4.5	
STU	e P	Z	22:24:47.3	79.9	88.1				
TNS	e P	Z	22:24:48.6	80.3	87.8				
BFO	e P	Z	22:24:48.8	80.5	87.4	0.8	2	4.2	
IBBN	e P	Z	22:24:50.5	80.7	87.6				
BUG	e P	Z	22:24:52.2	81.0	87.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	22:58: 8.1				4.4			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:10:25.4			0.8	2	4.4		
	e pP	Z	23:10:31.7			0.8	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:10:49.8				4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:23:07.2			0.9	5	4.7		
	e pP	Z	23:23:10.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:11:30.2	5.874N	95.428E	11.2	4.7			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:23:46.1	81.8	90.6	0.9	6	4.7		
	e pP	Z	23:23:49.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:14:10.9			N	4.5			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	23:26:32.2			0.9	3	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:36: 4.6	8.170N	93.600E	19.7	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:47:57.5	77.2	92.8					
GEC2	e P	Z	23:47:58.0	77.2	92.2	0.8	10	5.0		
CLL	e P	Z	23:48:00.5	77.8	92.2					
WET	e P	Z	23:48:01.0	77.8	91.6	0.9	7	4.8		
MOX	e P	Z	23:48:05.5	78.6	91.0					
FUR	e P	Z	23:48:06.3	78.8	90.2					
GRA1	e P	Z	23:48:07.4	78.9	90.5	0.9	12	4.9		
	e pP	Z	23:48:13.1							
CLZ	e P	Z	23:48:09.9	79.4	90.2	0.8	11	4.9		
STU	e P	Z	23:48:14.2	80.2	88.8					
TNS	e P	Z	23:48:16.6	80.6	88.5					
BFO	e P	Z	23:48:16.9	80.8	88.1	0.8	4	4.5		
IBBN	e P	Z	23:48:18.6	81.0	88.3					
BUG	e P	Z	23:48:20.3	81.3	87.7					
WLF	e P	Z	23:48:24.9	82.1	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:45: 0.8	6.730N	93.260E	16.3	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	23:56:59.1	78.0	94.0					
GEC2	e P	Z	23:56:59.6	78.1	93.4	0.8	8	4.9		
WET	e P	Z	23:57:02.6	78.6	92.9	1.0	6	4.6		
CLL	e P	Z	23:57:02.0	78.7	93.4					
MOX	e P	Z	23:57:07.1	79.5	92.2					
FUR	e P	Z	23:57:07.0	79.6	91.5					
GRA1	e P	Z	23:57:09.0	79.7	91.7	0.9	8	4.7		
	e pP	Z	23:57:13.7							
CLZ	e P	Z	23:57:11.5	80.3	91.4	0.8	9	4.7		
TNS	e P	Z	23:57:18.2	81.5	89.7					
BFO	e P	Z	23:57:18.4	81.6	89.3	0.8	4	4.5		
IBBN	e P	Z	23:57:20.1	81.9	89.4					
BUG	e P	Z	23:57:21.8	82.2	88.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/29	23:58:56.9	7.610N	93.490E	19.7	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	00:10:51.8	77.5	93.3	0.8	5	4.7		
GEC2	e P	Z	00:10:52.3	77.6	92.7	0.9	9	4.9		
WET	e P	Z	00:10:55.3	78.1	92.1	0.9	7	4.8		
CLL	e P	Z	00:10:54.7	78.1	92.6					
MOX	e P	Z	00:10:59.8	79.0	91.4					
FUR	e P	Z	00:11:00.5	79.2	90.7					
GRA1	e P	Z	00:11:01.7	79.2	90.9	0.9	10	4.9		
	e pP	Z	00:11:07.4							
CLZ	e P	Z	00:11:04.2	79.8	90.7	0.9	8	4.7		
STU	e P	Z	00:11:08.0	80.5	89.2					
TNS	e P	Z	00:11:10.9	81.0	88.9					
BFO	e P	Z	00:11:11.1	81.1	88.5	0.8	4	4.5		
IBBN	e P	Z	00:11:12.9	81.4	88.7					
BUG	e P	Z	00:11:14.6	81.7	88.2					
WLF	e P	Z	00:11:19.1	82.5	87.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	00:07:35.3	8.230N	93.640E	18.7	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	00:19:28.8	77.1	92.8					
GEC2	e P	Z	00:19:29.3	77.2	92.1	1.4	34	5.3		
CLL	e P	Z	00:19:31.7	77.7	92.1					
WET	e P	Z	00:19:32.3	77.7	91.6	1.5	40	5.3		
MOX	e P	Z	00:19:36.8	78.6	90.9					
FUR	e P	Z	00:19:37.5	78.8	90.1					
GRA1	e P	Z	00:19:38.7	78.8	90.4	1.2	22	5.1		
	e pP	Z	00:19:44.1							
CLZ	e P	Z	00:19:41.1	79.4	90.2	1.4	45	5.3		
STU	e P	Z	00:19:45.5	80.2	88.7					
TNS	e P	Z	00:19:47.9	80.6	88.4					
BFO	e P	Z	00:19:48.1	80.8	88.0	1.4	20	5.0		
IBBN	e P	Z	00:19:49.8	81.0	88.2					
BUG	e P	Z	00:19:51.5	81.3	87.7					
WLF	e P	Z	00:19:56.1	82.1	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	00:13: 3.6	8.370N	93.500E	12.5	4.7			SZGRF

Nicobar Islands, India, region

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

BRG	e P	Z	00:24:56.2	76.9	92.8				
GEC2	e P	Z	00:24:56.7	77.0	92.1	0.9	6	4.7	
CLL	e P	Z	00:24:59.2	77.5	92.1				
WET	e P	Z	00:24:59.7	77.6	91.6	1.0	4	4.5	
MOX	e P	Z	00:25:03.4	78.4	90.9				
FUR	e P	Z	00:25:05.1	78.6	90.2				
GRA1	e P	Z	00:25:06.1	78.6	90.4	1.0	8	4.7	
	e pP	Z	00:25:09.7						
CLZ	e P	Z	00:25:08.6	79.2	90.2	1.0	11	4.8	
STU	e P	Z	00:25:12.6	80.0	88.7				
TNS	e P	Z	00:25:15.3	80.4	88.4				
BFO	e P	Z	00:25:15.6	80.6	88.0	1.0	6	4.6	
IBBN	e P	Z	00:25:17.3	80.8	88.2				
BUG	e P	Z	00:25:19.0	81.1	87.7				
WLF	e P	Z	00:25:23.6	81.9	86.6				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	00:33:45.9			N	5.2			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:46:16.9			1.1	18	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	02:25:45.3	8.460N	93.610E	20.2	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:37:36.9	76.9	92.6					
GEC2	e P	Z	02:37:37.3	77.0	92.0	1.0	20	5.2		
CLL	e P	Z	02:37:40.1	77.5	92.0					
WET	e P	Z	02:37:40.3	77.6	91.4	1.1	21	5.2		
MOX	e P	Z	02:37:44.8	78.4	90.8					
FUR	e P	Z	02:37:45.7	78.6	90.0					
GRA1	e P	Z	02:37:47.0	78.6	90.3	1.1	30	5.2		
	e pP	Z	02:37:52.8							
CLZ	e P	Z	02:37:49.7	79.2	90.0	1.2	39	5.3		
STU	e P	Z	02:37:54.1	80.0	88.6					
TNS	e P	Z	02:37:56.4	80.4	88.3					
BFO	e P	Z	02:37:56.7	80.6	87.8	1.1	12	4.9		
IBBN	e P	Z	02:37:57.8	80.8	88.1					
BUG	e P	Z	02:37:59.5	81.1	87.5					
WLF	e P	Z	02:38:04.1	81.9	86.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	02:35:16.5	7.930N	93.920E	20.6	4.8			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:47:11.0	77.5	92.7					
GEC2	e P	Z	02:47:11.5	77.6	92.1	0.9	10	5.0		
CLL	e P	Z	02:47:14.0	78.1	92.1					
WET	e P	Z	02:47:14.6	78.2	91.5	1.0	9	4.8		
MOX	e P	Z	02:47:19.1	79.0	90.9					
GRA1	e P	Z	02:47:21.0	79.2	90.4	0.8	8	4.8		
	e pP	Z	02:47:26.9							
CLZ	e P	Z	02:47:23.4	79.8	90.1	0.7	10	4.8		
STU	e P	Z	02:47:27.4	80.6	88.7					
TNS	e P	Z	02:47:30.1	81.0	88.4					
BFO	e P	Z	02:47:30.4	81.2	88.0	0.8	4	4.5		
IBBN	e P	Z	02:47:32.1	81.4	88.2					
BUG	e P	Z	02:47:33.8	81.7	87.6					
WLF	e P	Z	02:47:38.4	82.5	86.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	03:13:41.2	7.700N	92.760E	33.0N	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:25:31.5	77.0	93.8					
GEC2	e P	Z	03:25:31.9	77.0	93.1	0.9	7	4.8		
WET	e P	Z	03:25:34.9	77.6	92.6	1.0	5	4.6		
CLL	e P	Z	03:25:34.4	77.6	93.2					
MOX	e P	Z	03:25:39.5	78.4	91.9					
FUR	e P	Z	03:25:39.6	78.6	91.2					
GRA1	e P	Z	03:25:40.4	78.7	91.4	0.8	8	4.8		
CLZ	e P	Z	03:25:43.8	79.3	91.2	0.7	9	4.9		
TNS	e P	Z	03:25:50.5	80.5	89.4					
BFO	e P	Z	03:25:50.7	80.6	89.0	0.7	4	4.6		
IBBN	e P	Z	03:25:52.5	80.9	89.2					
BUG	e P	Z	03:25:54.2	81.2	88.7					
WLF	e P	Z	03:25:58.8	81.9	87.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	03:37:27.2	11.500N	92.500E	33.0N	4.6			SZGRF

Andaman Islands, India, region

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

BRG	e P	Z	03:49:02.3	73.9	91.5			
GEC2	e P	Z	03:49:03.2	74.0	90.7	0.8	6	4.7
CLL	e P	Z	03:49:05.2	74.5	90.9			
WET	e P	Z	03:49:06.3	74.6	90.2	0.7	3	4.5
MOX	e P	Z	03:49:10.7	75.4	89.6			
FUR	e P	Z	03:49:11.4	75.6	88.7			
GRA1	e P	Z	03:49:12.9	75.6	89.1	0.7	4	4.7
CLZ	e P	Z	03:49:15.0	76.1	89.0	0.8	4	4.6
TNS	e P	Z	03:49:22.4	77.4	87.1			
IBBN	e P	Z	03:49:24.1	77.7	87.0			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	03:44:13.5	8.350N	93.530E	18.0	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:56:06.3	77.0	92.8					
GEC2	e P	Z	03:56:06.8	77.0	92.1	0.8	11	5.0		
CLL	e P	Z	03:56:09.2	77.6	92.1					
WET	e P	Z	03:56:09.8	77.6	91.6	0.9	8	4.9		
MOX	e P	Z	03:56:14.3	78.4	90.9					
FUR	e P	Z	03:56:15.1	78.6	90.1					
GRA1	e P	Z	03:56:16.2	78.7	90.4	0.9	12	5.0		
	e pP	Z	03:56:21.4							
CLZ	e P	Z	03:56:18.7	79.2	90.2	0.9	12	4.9		
STU	e P	Z	03:56:23.3	80.0	88.7					
TNS	e P	Z	03:56:25.3	80.5	88.4					
BFO	e P	Z	03:56:25.6	80.6	88.0	0.9	6	4.6		
IBBN	e P	Z	03:56:27.4	80.8	88.2					
BUG	e P	Z	03:56:29.1	81.2	87.7					
WLF	e P	Z	03:56:33.6	82.0	86.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	05:00: 4.2	7.540N	93.970E	33.0N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:11:59.2	77.9	93.0					
GEC2	e P	Z	05:11:59.7	77.9	92.3	0.8	4	4.6		
CLL	e P	Z	05:12:02.1	78.5	92.3					
WET	e P	Z	05:12:02.8	78.5	91.8	0.8	3	4.3		
MOX	e P	Z	05:12:07.2	79.3	91.1					
FUR	e P	Z	05:12:08.0	79.5	90.4					
GRA1	e P	Z	05:12:09.1	79.6	90.6	0.9	6	4.5		
CLZ	e P	Z	05:12:11.6	80.1	90.3	0.7	4	4.5		

TNS	e	P	Z	05:12:18.3	81.4	88.6			
BFO	e	P	Z	05:12:18.6	81.5	88.2	1.1	4	4.4
IBBN	e	P	Z	05:12:20.3	81.7	88.4			
BUG	e	P	Z	05:12:21.9	82.1	87.8			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	05:28:49.4	9.300N	93.030E	33.0N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 05:40:33.7	75.9	92.5					
GEC2	e	P	Z 05:40:34.2	76.0	91.8	0.8	4	4.6		
CLL	e	P	Z 05:40:36.6	76.5	91.9					
WET	e	P	Z 05:40:37.2	76.5	91.3	0.9	3	4.4		
MOX	e	P	Z 05:40:41.7	77.4	90.7					
FUR	e	P	Z 05:40:42.6	77.6	89.9					
GRA1	e	P	Z 05:40:43.6	77.6	90.2	0.9	6	4.7		
CLZ	e	P	Z 05:40:46.1	78.2	90.0	0.8	5	4.6		
TNS	e	P	Z 05:40:52.8	79.4	88.1					
BFO	e	P	Z 05:40:53.0	79.6	87.7	0.8	2	4.1		
IBBN	e	P	Z 05:40:54.8	79.8	88.0					
BUG	e	P	Z 05:40:56.5	80.1	87.5					
WLF	e	P	Z 05:41:01.9	80.9	86.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	06:07:15.1			N	4.4			SZGRF

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e	P	Z 06:12:21.3			1.2	15	4.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	06:08: 7.4	7.500N	93.500E	19.6	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e	P	Z 06:20:02.2	77.6	93.3					
GEC2	e	P	Z 06:20:02.7	77.7	92.7	0.8	5	4.7		
WET	e	P	Z 06:20:05.7	78.2	92.2	0.9	4	4.5		
CLL	e	P	Z 06:20:05.2	78.2	92.7					
MOX	e	P	Z 06:20:10.2	79.1	91.5					
FUR	e	P	Z 06:20:11.0	79.2	90.8					
GRA1	e	P	Z 06:20:12.1	79.3	91.0	1.0	9	4.8		

	e pP	Z	06:20:17.7						
CLZ	e P	Z	06:20:14.6	79.9	90.7	0.8	5	4.5	
STU	e P	Z	06:20:18.3	80.6	89.3				
TNS	e P	Z	06:20:21.3	81.1	89.0				
BFO	e P	Z	06:20:21.6	81.2	88.6	0.8	2	4.1	
IBBN	e P	Z	06:20:23.3	81.5	88.7				
BUG	e P	Z	06:20:24.9	81.8	88.2				
WLF	e P	Z	06:20:29.6	82.6	87.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	06:26: 4.1	12.140N	94.250E	25.6	4.5			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	06:37:41.2	74.5	89.7					
GEC2	e P	Z	06:37:42.3	74.7	89.0	0.9	4	4.5		
CLL	e P	Z	06:37:44.2	75.1	89.1					
WET	e P	Z	06:37:45.5	75.2	88.4	0.9	2	4.2		
MOX	e P	Z	06:37:49.8	76.0	87.8					
GRA1	e P	Z	06:37:52.0	76.3	87.3	0.9	6	4.7		
	e pP	Z	06:37:59.4							
FUR	e P	Z	06:37:51.4	76.3	87.0					
CLZ	e P	Z	06:37:54.1	76.7	87.2	0.6	3	4.6		
TNS	e P	Z	06:38:01.6	78.0	85.3					
BFO	e P	Z	06:38:02.5	78.3	84.9	0.8	2	4.3		
IBBN	e P	Z	06:38:03.0	78.3	85.2					
BUG	e P	Z	06:38:04.1	78.7	84.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	06:36:41.0			N	4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:49:04.9			1.1	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	06:56:50.9	7.680N	93.940E	23.5	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:08:46.7	77.7	92.9					
GEC2	e P	Z	07:08:47.2	77.8	92.3	0.8	5	4.7		
CLL	e P	Z	07:08:49.6	78.4	92.2					

WET	e P	Z	07:08:50.2	78.4	91.7	0.9	4	4.5
MOX	e P	Z	07:08:54.7	79.2	91.0			
FUR	e P	Z	07:08:55.5	79.4	90.3			
GRA1	e P	Z	07:08:56.6	79.4	90.5	0.9	7	4.7
	e pP	Z	07:09:03.4					
CLZ	e P	Z	07:08:59.0	80.0	90.3	0.8	4	4.5
TNS	e P	Z	07:09:05.7	81.2	88.5			
BFO	e P	Z	07:09:06.0	81.4	88.1	1.2	4	4.4
IBBN	e P	Z	07:09:07.7	81.6	88.3			
BUG	e P	Z	07:09:09.4	81.9	87.8			
WLF	e P	Z	07:09:13.8	82.7	86.7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	07:02:25.5	12.800N	92.720E	33.0N	4.9			SZGRF

Andaman Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:13:53.1	73.0	90.4					
GEC2	e P	Z	07:13:54.0	73.2	89.6	0.8	14	5.1		
CLL	e P	Z	07:13:56.1	73.6	89.8					
WET	e P	Z	07:13:57.1	73.7	89.1	0.8	6	4.7		
MOX	e P	Z	07:14:01.5	74.5	88.6					
GRA1	e P	Z	07:14:03.7	74.8	88.0	0.8	9	4.9		
FUR	e P	Z	07:14:03.0	74.8	87.6					
CLZ	e P	Z	07:14:05.9	75.3	87.9	0.8	14	5.1		
STU	e P	Z	07:14:10.7	76.2	86.3					
TNS	e P	Z	07:14:13.3	76.6	86.1					
BFO	e P	Z	07:14:13.6	76.8	85.5	1.0	4	4.5		
IBBN	e P	Z	07:14:14.9	76.8	86.0					
BUG	e P	Z	07:14:16.9	77.2	85.4					
WLF	e P	Z	07:14:22.2	78.1	84.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	07:12:35.8	7.650N	93.600E	21.4	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	07:24:30.9	77.6	93.2					
GEC2	e P	Z	07:24:31.4	77.6	92.5	0.9	5	4.7		
WET	e P	Z	07:24:34.5	78.2	92.0	0.9	3	4.5		
CLL	e P	Z	07:24:33.9	78.2	92.5					
MOX	e P	Z	07:24:38.9	79.0	91.3					
GRA1	e P	Z	07:24:40.8	79.2	90.8	1.0	8	4.7		
	e pP	Z	07:24:46.9							
CLZ	e P	Z	07:24:43.3	79.8	90.6	0.8	6	4.5		

TNS	e P	Z	07:24:50.0	81.0	88.8				
BFO	e P	Z	07:24:50.2	81.2	88.4	0.8	3	4.3	
IBBN	e P	Z	07:24:52.0	81.4	88.6				
BUG	e P	Z	07:24:54.2	81.7	88.1				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	08:08:24.3	24.412S	176.003W	15.0G		5.7		NEIC-M

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKP	Z	08:27:57.4	150.1	11.6					
RUE	e PKP	Z	08:27:59.3	151.0	18.6					
IBBN	e PKP	Z	08:28:05.3	152.0	7.3					
CLZ	e PKP	Z	08:28:06.1	152.1	12.5					
CLL	e PKP	Z	08:28:05.9	152.2	17.8					
BRG	e PKP	Z	08:28:07.2	152.4	19.9					
MOX	e PKP	Z	08:28:09.8	153.1	15.5					
TNS	e PKP	Z	08:28:13.7	154.0	9.3					
GRA1	e PKP	Z	08:28:14.6	154.1	15.2					
	e L	Z	09:46:40.9			20.5	1137		5.7	
WET	e PKP	Z	08:28:15.6	154.3	18.9					
GEC2	e PKP	Z	08:28:15.6	154.4	20.8					
WLF	e PKP	Z	08:28:17.3	154.7	4.6					
STU	e PKP	Z	08:28:19.2	155.3	11.4					
FUR	e PKP	Z	08:28:20.7	155.6	16.2					
BFO	e PKP	Z	08:28:21.5	155.8	9.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	08:49:41.5	8.900N	93.940E	24.2	5.2			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	09:01:31.5	76.8	92.1					
GEC2	e P	Z	09:01:32.0	76.9	91.4	0.9	23	5.3		
CLL	e P	Z	09:01:34.4	77.4	91.5					
WET	e P	Z	09:01:35.0	77.4	90.9	0.9	16	5.1		
MOX	e P	Z	09:01:39.5	78.3	90.2					
FUR	e P	Z	09:01:40.3	78.5	89.5					
GRA1	e P	Z	09:01:41.4	78.5	89.7	0.8	26	5.3		
	e pP	Z	09:01:48.3							
CLZ	e P	Z	09:01:43.9	79.0	89.5	0.8	26	5.3		
STU	e P	Z	09:01:49.4	79.9	88.0					
TNS	e P	Z	09:01:50.5	80.3	87.7					
BFO	e P	Z	09:01:50.8	80.5	87.3	0.9	11	4.9		
IBBN	e P	Z	09:01:52.5	80.6	87.5					

WLF	e P	Z	09:01:58.8	81.8	85.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	10:32:57.8	8.910N	94.040E	20.8	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	10:44:48.7	76.9	92.0					
GEC2	e P	Z	10:44:49.2	77.0	91.3	0.9	17	5.2		
CLL	e P	Z	10:44:51.6	77.5	91.4					
WET	e P	Z	10:44:52.2	77.5	90.8	0.9	13	5.0		
MOX	e P	Z	10:44:56.7	78.3	90.1					
FUR	e P	Z	10:44:57.5	78.6	89.4					
GRA1	e P	Z	10:44:58.6	78.6	89.6	0.9	24	5.2		
	e pP	Z	10:45:04.5							
CLZ	e P	Z	10:45:01.1	79.1	89.4	0.9	19	5.1		
STU	e P	Z	10:45:06.6	79.9	87.9					
TNS	e P	Z	10:45:07.7	80.4	87.6					
BFO	e P	Z	10:45:08.0	80.5	87.2	0.9	8	4.8		
IBBN	e P	Z	10:45:09.7	80.7	87.4					
BUG	e P	Z	10:45:11.4	81.0	86.9					
WLF	e P	Z	10:45:16.2	81.9	85.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	10:40:23.3	8.750N	94.000E	20.7	4.6			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	10:52:13.5	77.0	92.1					
GEC2	e P	Z	10:52:14.0	77.0	91.5	0.8	6	4.8		
CLL	e P	Z	10:52:16.5	77.6	91.5					
WET	e P	Z	10:52:17.0	77.6	90.9	0.7	3	4.5		
MOX	e P	Z	10:52:21.5	78.4	90.3					
FUR	e P	Z	10:52:22.3	78.6	89.5					
GRA1	e P	Z	10:52:23.4	78.7	89.8	0.8	5	4.7		
	e pP	Z	10:52:29.3							
CLZ	e P	Z	10:52:25.9	79.2	89.5	0.8	6	4.7		
STU	e P	Z	10:52:31.4	80.0	88.1					
TNS	e P	Z	10:52:32.6	80.4	87.8					
BFO	e P	Z	10:52:32.8	80.6	87.4	0.9	4	4.4		
IBBN	e P	Z	10:52:34.6	80.8	87.6					
BUG	e P	Z	10:52:36.3	81.1	87.1					
WLF	e P	Z	10:52:40.9	82.0	85.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	15:33:11.6	7.770N	93.850E	18.5	5.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	15:45:08.5	77.6	92.9					
GEC2	e P	Z	15:45:09.0	77.7	92.3	0.8	55	5.7		
CLL	e P	Z	15:45:11.4	78.2	92.3					
WET	e P	Z	15:45:12.0	78.2	91.7	0.9	37	5.5		
MOX	e P	Z	15:45:16.5	79.1	91.0					
FUR	e P	Z	15:45:17.3	79.3	90.3					
GRA1	e P	Z	15:45:18.4	79.3	90.6	1.2	88	5.7		
	e pP	Z	15:45:23.7							
CLZ	e P	Z	15:45:20.8	79.9	90.3	1.1	80	5.5		
STU	e P	Z	15:45:24.9	80.6	88.9					
TNS	e P	Z	15:45:27.5	81.1	88.5					
BFO	e P	Z	15:45:27.8	81.2	88.1	1.2	36	5.3		
IBBN	e P	Z	15:45:29.5	81.5	88.3					
BUG	e P	Z	15:45:31.2	81.8	87.8					
WLF	e P	Z	15:45:35.8	82.6	86.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	15:27:54.6			N				SZGRF

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e PKPbc	Z	15:47:38.6							
CLL	e PKPbc	Z	15:47:37.8							
GEC2	e PKPbc	Z	15:47:43.2							
NOTT	e PKPbc	Z	15:47:41.9							
TANN	e PKPbc	Z	15:47:41.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	16:23:50.6	35.862N	29.697E	33.0G	4.9	4.5		SZGRF

Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	16:27:52.8	17.5	132.0	1.0	75			
WET	e P	Z	16:27:58.4	18.1	131.0	1.0	69	4.7		
FUR	e P	Z	16:28:01.2	18.3	125.4	0.9	102	4.9		
BRG	e P	Z	16:28:07.4	18.8	136.9	1.7	132	4.9		
GRA1	e P	Z	16:28:10.9	19.3	128.9	1.3	138	5.0		
	e S	N	16:31:58.5							
	e L	Z	16:36:17.9			20.0	2179		4.5	

GRFO	e P	Z	16:28:10.7	19.3	128.9	1.2	112	5.0
CLL	e P	Z	16:28:13.4	19.5	135.8	1.6	168	5.0
MOX	e P	Z	16:28:15.8	19.7	131.7	1.3	84	4.8
STU	e P	Z	16:28:16.4	19.8	123.1	1.3	147	5.1
BFO	e P	Z	16:28:22.5	20.1	120.6	1.1	65	4.8
RUE	e P	Z	16:28:20.4	20.1	139.6	1.6	302	5.3
TNS	e P	Z	16:28:31.3	21.0	125.0	1.3	127	5.1
CLZ	e P	Z	16:28:30.4	21.1	131.8	1.2	50	4.7
BUG	e P	Z	16:28:43.8	22.3	125.5	1.1	55	4.9
BSEG	e P	Z	16:28:48.4	22.5	135.4	1.4	70	5.0
IBBN	e P	Z	16:28:49.5	22.6	128.0	1.2	40	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	17:04:52.9	16.785S	174.137W	33.0N				SZGRF

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPbc	Z	17:24:24.5	145.0	12.0					
TNS	e PKPbc	Z	17:24:29.9	146.5	4.5					
GRA1	e PKPbc	Z	17:24:31.2	146.8	9.4					
WLF	e PKPbc	Z	17:24:32.3	147.1	0.5					
WET	e PKPbc	Z	17:24:31.6	147.1	12.4					
GEC2	e PKPbc	Z	17:24:32.4	147.3	14.0					
FUR	e PKPbc	Z	17:24:35.6	148.3	9.9					
BFO	e PKPbc	Z	17:24:34.3	148.4	4.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKP	Z	20:18:39.0							
GEC2	e PKP	Z	20:18:45.7							
GRA1	e PKP	Z	20:18:46.8							
GUNZ	e PKP	Z	20:18:42.0							
MOX	e PKP	Z	20:18:41.2							
NOTT	e PKP	Z	20:18:43.7							
TANN	e PKP	Z	20:18:42.3							
WERD	e PKP	Z	20:18:43.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/30	21:39: 7.0	8.420N	93.700E	24.3	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	21:50:58.2	77.0	92.6					
GEC2	e P	Z	21:50:58.7	77.1	91.9	0.8	20	5.3		
CLL	e P	Z	21:51:01.1	77.6	92.0					
WET	e P	Z	21:51:01.8	77.6	91.4	0.8	11	5.0		
MOX	e P	Z	21:51:06.2	78.5	90.7					
FUR	e P	Z	21:51:06.9	78.7	90.0					
GRA1	e P	Z	21:51:08.1	78.7	90.2	0.9	17	5.1		
	e pP	Z	21:51:15.1							
CLZ	e P	Z	21:51:10.6	79.3	90.0	0.8	21	5.2		
STU	e P	Z	21:51:15.2	80.1	88.5					
TNS	e P	Z	21:51:17.2	80.5	88.2					
BFO	e P	Z	21:51:17.5	80.7	87.8	0.8	6	4.7		
IBBN	e P	Z	21:51:19.2	80.9	88.0					
BUG	e P	Z	21:51:21.0	81.2	87.5					
WLF	e P	Z	21:51:25.5	82.0	86.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	01:05:20.1	36.816N	21.119E	10.0G		4.9		SZGRF

Southern Greece

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	01:08:22.9	13.2	153.1					
FUR	e P	Z	01:08:27.6	13.4	143.9					
WET	e P	Z	01:08:29.6	13.7	151.0					
GRA1	e P	Z	01:08:45.1	14.7	147.2					
	e S	E	01:11:40.3							
	e L	Z	01:15:18.4			19.0	9176		4.9	
BFO	e P	Z	01:08:47.3	14.8	136.2					
BRG	e P	Z	01:08:47.9	15.0	157.2					
	e S	E	01:11:44.8							
MOX	e P	Z	01:08:54.4	15.4	150.2					
CLL	e P	Z	01:08:58.5	15.6	155.1					
	e S	E	01:11:57.7							
TNS	e P	Z	01:09:05.5	16.2	141.0					
	e S	E	01:12:09.2							
RUE	e P	Z	01:09:10.6	16.5	158.9					
	e S	E	01:12:16.4							
WLF	e P	Z	01:09:18.8	16.8	134.3					
	e S	N	01:12:20.1							
CLZ	e P	Z	01:09:18.9	16.8	149.0					
BUG	e P	Z	01:09:27.4	17.6	140.7					
	e S	E	01:12:40.7							
IBBN	e P	Z	01:09:31.7	18.1	143.5					
	e S	E	01:12:49.2							
RGN	e S	E	01:12:59.3	18.5	160.0					
BSEG	e P	Z	01:09:36.1	18.7	152.1					

e S E 01:13:00.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	02:20:47.4	8.400N	93.900E	33.0N	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	02:32:38.6	77.2	92.4					
GEC2	e P	Z	02:32:39.0	77.2	91.8	0.9	12	5.0		
CLL	e P	Z	02:32:41.5	77.8	91.8					
WET	e P	Z	02:32:42.1	77.8	91.2	0.9	7	4.8		
MOX	e P	Z	02:32:46.5	78.6	90.6					
GRA1	e P	Z	02:32:48.4	78.9	90.1	0.9	13	5.0		
CLZ	e P	Z	02:32:50.9	79.4	89.9	0.9	13	5.0		
TNS	e P	Z	02:32:57.6	80.7	88.1					
BFO	e P	Z	02:32:57.9	80.8	87.7	0.8	5	4.6		
IBBN	e P	Z	02:32:59.6	81.0	87.9					
BUG	e P	Z	02:33:01.3	81.3	87.4					
WLF	e P	Z	02:33:05.9	82.2	86.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	02:50: 2.3			N	4.6			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:02:30.0			0.8	3	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	03:08: 8.2	4.640N	95.571E	33.0N	4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	03:20:20.1	81.1	93.6					
GEC2	e P	Z	03:20:20.5	81.2	93.1	0.7	8	4.9		
WET	e P	Z	03:20:23.4	81.7	92.5	0.8	4	4.6		
CLL	e P	Z	03:20:23.0	81.7	92.9					
MOX	e P	Z	03:20:27.8	82.6	91.7					
GRA1	e P	Z	03:20:29.6	82.8	91.3	0.8	6	4.9		
CLZ	e P	Z	03:20:32.1	83.4	90.9	0.8	5	4.8		
TNS	e P	Z	03:20:38.5	84.6	89.2					
BFO	e P	Z	03:20:38.4	84.7	89.0	0.7	4	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	03:16:52.0				4.8			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:29:25.0			0.9	6	4.8		
	e pP	Z	03:29:30.3			0.9	6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	04:24:39.7	7.790N	94.220E	33.0N	4.5			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	04:36:34.3	77.8	92.6					
GEC2	e P	Z	04:36:34.8	77.9	92.0	0.8	6	4.7		
CLL	e P	Z	04:36:37.2	78.4	92.0					
WET	e P	Z	04:36:37.8	78.5	91.4	0.9	4	4.6		
MOX	e P	Z	04:36:42.3	79.3	90.7					
GRA1	e P	Z	04:36:44.2	79.5	90.3	0.8	4	4.4		
CLZ	e P	Z	04:36:46.7	80.1	90.0	0.9	8	4.6		
TNS	e P	Z	04:36:53.4	81.3	88.2					
BFO	e P	Z	04:36:53.7	81.5	87.9	0.8	2	4.4		
IBBN	e P	Z	04:36:55.4	81.7	88.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	05:32:51.2	7.860N	94.300E	20.0	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:44:46.9	77.8	92.5					
GEC2	e P	Z	05:44:47.4	77.9	91.9	0.8	7	4.9		
CLL	e P	Z	05:44:49.9	78.4	91.8					
WET	e P	Z	05:44:50.4	78.5	91.3	0.9	4	4.6		
MOX	e P	Z	05:44:54.0	79.3	90.6					
GRA1	e P	Z	05:44:56.8	79.5	90.2	0.9	10	4.8		
	e pP	Z	05:45:02.6			0.9	10			
CLZ	e P	Z	05:44:59.3	80.1	89.9	0.8	9	4.8		
TNS	e P	Z	05:45:06.0	81.3	88.1					
BFO	e P	Z	05:45:06.2	81.5	87.7	0.8	3	4.5		
IBBN	e P	Z	05:45:08.0	81.7	87.9					
BUG	e P	Z	05:45:09.7	82.0	87.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	06:45:46.8			N	5.1			SZGRF

Off west coast of northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:58:11.3			1.0	14	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	08:15: 4.5	7.450N	94.130E	17.7	5.1			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	08:27:01.7	78.0	92.9					
GEC2	e P	Z	08:27:02.2	78.1	92.3	0.9	19	5.2		
CLL	e P	Z	08:27:04.7	78.6	92.2					
WET	e P	Z	08:27:05.3	78.7	91.7	1.0	19	5.1		
MOX	e P	Z	08:27:09.8	79.5	91.0					
FUR	e P	Z	08:27:10.6	79.7	90.3					
GRA1	e P	Z	08:27:11.6	79.7	90.6	0.9	28	5.2		
	e pP	Z	08:27:16.7							
CLZ	e P	Z	08:27:14.1	80.3	90.3	1.0	29	5.2		
TNS	e P	Z	08:27:20.8	81.5	88.5					
BFO	e P	Z	08:27:21.1	81.7	88.1	0.9	11	5.0		
IBBN	e P	Z	08:27:22.8	81.9	88.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	09:39:52.4	42.800N	143.880E	31.2	5.7	5.5		SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	09:51:42.3	76.7	34.8	0.8	100	6.0		
BRG	e P	Z	09:51:42.6	76.7	35.3	1.0	41	5.5		
CLZ	e P	Z	09:51:45.7	77.2	33.1	0.8	97	6.0		
IBBN	e P	Z	09:51:47.9	77.6	31.4	0.8	92	6.0		
MOX	e P	Z	09:51:48.4	77.7	33.8	0.9	42	5.6		
GEC2	e P	Z	09:51:52.3	78.5	34.9	0.9	27	5.3		
WET	e P	Z	09:51:53.2	78.5	34.4	0.9	58	5.6		
BUG	e P	Z	09:51:52.6	78.5	31.0	0.9	75	5.7		
GRA1	e P	Z	09:51:54.1	78.7	33.4	0.8	113	5.9		
	e pP	Z	09:52:03.1							
	e L	Z	10:30:24.3			20.0	2247		5.5	
TNS	e P	Z	09:51:56.4	79.2	31.6	0.9	42	5.4		
STU	e P	Z	09:52:01.5	80.2	32.0	0.8	74	5.7		
WLF	e P	Z	09:52:03.3	80.4	30.0	1.1	46	5.4		
BFO	e P	Z	09:52:05.2	80.8	31.4	1.8	149	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	10:47:06.5							
	e Sn	E	10:48:48.0							
MOX	e Pn	Z	10:47:35.2							
WET	e Pn	Z	10:47:12.0							
	e Sn	E	10:48:59.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	12:06:47.6			N	5.0			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	12:18:48.8			1.0	15	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	13:14:33.6	7.940N	94.090E	20.6	4.9			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	13:26:28.2	77.6	92.6					
GEC2	e P	Z	13:26:28.7	77.7	92.0	0.8	12	5.1		
CLL	e P	Z	13:26:31.1	78.2	92.0					
WET	e P	Z	13:26:31.7	78.3	91.4	0.9	9	4.9		
MOX	e P	Z	13:26:36.2	79.1	90.7					
GRA1	e P	Z	13:26:38.1	79.3	90.3	0.8	12	5.0		
	e pP	Z	13:26:44.0							
CLZ	e P	Z	13:26:40.6	79.9	90.0	0.8	13	4.9		
TNS	e P	Z	13:26:47.2	81.1	88.2					
BFO	e P	Z	13:26:47.5	81.3	87.8	0.8	5	4.6		
IBBN	e P	Z	13:26:49.3	81.5	88.0					
BUG	e P	Z	13:26:50.9	81.8	87.5					
WLF	e P	Z	13:26:55.5	82.6	86.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	15:57:37.0	41.566N	141.612E	33.0N	4.6			SZGRF

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:09:37.5	78.9	35.5	0.9	5	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	16:30:17.2	7.960N	94.100E	18.7	4.7			SZGRF

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	16:42:12.4	77.6	92.6					
GEC2	e P	Z	16:42:12.8	77.7	91.9	0.9	8	4.8		
CLL	e P	Z	16:42:15.3	78.2	91.9					
WET	e P	Z	16:42:15.9	78.3	91.4	0.9	6	4.7		
MOX	e P	Z	16:42:20.4	79.1	90.7					
GRA1	e P	Z	16:42:22.2	79.3	90.2	0.8	7	4.7		
	e pP	Z	16:42:27.6							
CLZ	e P	Z	16:42:24.7	79.9	90.0	0.9	9	4.7		
TNS	e P	Z	16:42:31.4	81.1	88.2					
BFO	e P	Z	16:42:31.7	81.3	87.8	1.3	11	4.7		
IBBN	e P	Z	16:42:33.4	81.5	88.0					
BUG	e P	Z	16:42:35.1	81.8	87.5					
WLF	e P	Z	16:42:39.6	82.6	86.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	16:48:54.1				4.9			SZGRF

Northern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:01:27.1			0.9	7	4.9		
	e pP	Z	17:01:33.0			0.9	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2005/01/31	20:29:23.2	65.055N	7.582W	10.0G	5.0	4.7		SZGRF

Norwegian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z	20:32:43.3	14.3	328.2					
RGN	e P	Z	20:32:50.9	14.7	323.7					
IBBN	e P	Z	20:32:51.9	14.9	334.4					
BUG	e P	Z	20:33:01.1	15.6	336.3	1.2	148	5.0		
CLZ	e P	Z	20:33:07.5	16.1	332.0	2.4	565	5.3		
RUE	e P	Z	20:33:15.9	16.6	327.5	1.6	192	5.0		
WLF	e P	Z	20:33:21.4	17.0	340.0	1.3	116	4.9		
TNS	e P	Z	20:33:20.6	17.0	336.6	1.0	79	4.8		

CLL	e	P	Z	20:33:23.7	17.3	330.2	1.0	75	4.8	
MOX	e	P	Z	20:33:26.8	17.5	332.6	1.1	57	4.6	
BRG	e	P	Z	20:33:33.2	18.0	330.0	1.0	70	4.7	
GRA1	e	P	Z	20:33:36.4	18.2	334.3	1.4	131	4.9	
	e	L	Z	20:42:32.5			16.5	3372		4.7
STU	e	P	Z	20:33:39.0	18.5	337.5	1.3	224	5.2	
BFO	e	P	Z	20:33:40.8	18.7	338.9	1.2	208	5.2	
WET	e	P	Z	20:33:46.2	19.2	333.4	1.4	74	4.7	
FUR	e	P	Z	20:33:50.9	19.7	336.1	1.2	261	5.3	
GEC2	e	P	Z	20:33:51.0	19.7	333.0	1.2	140	5.1	

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

In general all regional and teleseismic events clearly recorded with GRF-Array stations and stronger events recorded with stations of the German Regional Seismological Network (GRSN) are included in this bulletin.
Additionally, some selected events are analysed more comprehensively at CLL-station and included in the bulletin (ISOP-analysis).
Each event is reported by several EPICENTER LINES with possible COMMENT LINES, a REGION LINE and a block of PHASE LINES.

EPICENTER LINES:

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

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

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

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

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase e - emergent i - impulsive w - weak ISC phase code Flag for the direction of the first motion '+' - compression '-' - dilatation Component where the phase was picked
Time	Arrival time of the reported phase
Dist	Distance from the epicenter location with the highest priority to the station in kilometer
BAz	Backazimuth from the epicenter location with the highest priority to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude