

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

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

JUNE 2000

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

(Format description at the end of the bulletin)

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/01	02:36:45.1			N	4.9			SZGRF
2000/06/01	02:37:25.7	39.540N	74.730E	33N	4.4			NEIC

Southern Xinjiang, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:45:40.8	44.9	77.8	1.7	25	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/01	03:35:32.8	46.010N	148.300E	33.0N	5.1			SZGRF
2000/06/01	03:35:21.2	44.564N	149.493E	41*	4.6			NEIC

Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 03:47:05.0	75.5	28.8					
CLL	e P	Z 03:47:12.9	77.0	30.2	0.8	22	5.4		
CLZ	e P	Z 03:47:15.4	77.4	28.5	1.5	29	5.2		
IBBN	e P	Z 03:47:16.9	77.7	26.8	0.7	13	5.2		
MOX	e P	Z 03:47:18.8	78.0	29.2	1.3	14	5.0		
GEC2	e P	Z 03:47:23.7	78.9	30.4	0.8	5	4.7		
WET	e P	Z 03:47:24.1	78.9	29.9	1.0	16	5.1		
GRA1	e P	Z 03:47:24.5	79.0	28.9	0.8	18	5.3		
TNS	e P	Z 03:47:26.2	79.4	27.1	1.1	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/01								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 15:42:37.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/01	17:02:31.0	5.608S	145.287E	33N	5.1	4.1		NEIC
Eastern New Guinea, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 17:21:21.9	121.5	57.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/02	00:42:15.1	15.549S	172.953W	33N	4.7			NEIC
Samoa Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 01:01:52.1	145.7	7.1					
	e (pPKPdf)	Z 01:02:00.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/02								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:25:48.0			0.9	10	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/02	06:17:30.7	43.955N	128.345W	10G	4.4			NEIC
Off coast of Oregon, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:29:42.9	79.9	331.7			4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/02	11:14:1.6	45.300N	129.460W	20.7	5.8	5.9		SZGRF
2000/06/02	11:13:58.0	45.030N	130.530W		5.5	6.3		GRSN
2000/06/02	11:13:49.7	44.546N	129.996W	10G	5.8	6.0		NEIC
Off coast of Oregon, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 11:25:40.1	75.9	332.0	1.3	132	5.8		
	e pP	Z 11:25:46.6							
IBBN	e P	Z 11:25:43.5	76.6	330.5	1.5	360	6.3		
	e pP	Z 11:25:50.9							

BUG	e P	Z	11:25:47.2	77.2	330.3	1.8	183	5.9		
CLZ	e P	Z	11:25:50.8	77.7	332.3	1.8	323	6.2		
TNS	e P	Z	11:25:55.2	78.6	331.2	1.5	104	5.7		
CLL	e P	Z	11:25:56.6	78.9	334.1	1.9	270	6.0		
	e		11:26:16.1							
	e S	E	11:35:58.3			25.7	2707			
	e PS	N	11:36:44.8							
	e		11:37:37.2							
	e SS	E	11:41:01.8							
	e LV	Z	11:46:47.8							
	e L	Z	12:03:09.3			18.0	11562		6.3	
MOX	e P	Z	11:25:58.2	79.2	333.2	1.9	183	5.8		
BRG	e P	Z	11:26:00.3	79.6	334.8	1.7	229	5.9		
	e pP	Z	11:26:07.0							
GRA1	e P	Z	11:26:02.6	79.9	333.0	1.7	267	6.0		
	e pP	Z	11:26:08.9							
	e S	E	11:36:11.6							
	e SS	E	11:41:24.8							
	e L	Z	12:00:47.1			20.3	6358		5.9	
STU	e P	Z	11:26:03.4	80.1	331.8	1.5	94	5.5		
BFO	e P	Z	11:26:03.9	80.2	331.3	1.6	164	5.7		
WET	e P	Z	11:26:06.8	80.9	334.2	1.5	65	5.3		
FUR	e P	Z	11:26:09.7	81.3	333.2	2.1	418	6.1		
	e pP	Z	11:26:16.5							
GEC2	e P	Z	11:26:09.6	81.4	334.7	1.8	106	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/03	02:38: 9.7			N	5.2			SZGRF
2000/06/03	02:39:07.4	30.850N	87.071E	33N	4.4	3.8		NEIC

Myanmar-India border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:49:03.0	58.2	78.3	2.0	29	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/03	03:54:48.4	52.330N	157.600E	33.0N	5.8	4.9		SZGRF
2000/06/03	03:54:45.7	51.946N	158.969E	76D	5.7			NEIC

Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 04:05:51.8	69.7	21.8	1.0	217	6.3		
BSEG	e P	Z 04:05:58.9	70.9	19.8	1.0	90	5.8		
RUE	e P	Z 04:06:02.4	71.6	21.8	0.9	167	6.1		
CLL	i P	- Z 04:06:09.1			0.9	132	6.1		
	e (pP)	Z 04:06:33.4							

	e S	N	04:15:28.1								
	e L	Z	04:38:48.1			22.0	1200		5.1		
CLZ	e P	Z	04:06:10.6	72.9	19.6	1.2	181		6.1		
IBBN	e P	Z	04:06:10.9	73.0	18.1	0.9	118		6.0		
BRG	e P	Z	04:06:10.3	73.0	21.7	1.2	65		5.6		
MOX	e P	Z	04:06:15.1	73.8	20.3	1.1	70		5.7		
BUG	e P	Z	04:06:16.2	73.9	17.7	0.9	108		5.9		
GRA1	e P	Z	04:06:21.6	74.7	19.9	0.9	106		5.9		
	e S	N	04:15:52.8								
	e SS	N	04:20:54.3								
	e L	Z	04:41:41.9			21.9	702		4.9		
TNS	e P	Z	04:06:21.7	74.8	18.3	0.8	54		5.6		
WET	e P	Z	04:06:22.2	74.9	20.9	1.0	88		5.8		
GEC2	e P	Z	04:06:22.2	75.0	21.3	0.8	36		5.5		
WLF	e P	Z	04:06:28.0	75.8	16.9	0.9	32		5.5		
STU	e P	Z	04:06:28.6	76.0	18.6	1.0	70		5.8		
FUR	e P	Z	04:06:29.1	76.2	19.8	1.2	148		6.0		
BFO	e P	Z	04:06:31.5	76.6	18.1	1.0	44		5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/03	04:14:49.9	52.230N	28.320W	33.0N	4.8			SZGRF
2000/06/03	04:14:34.4	52.128N	30.055W	10G	4.6	3.9		NEIC

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:20:08.6	25.8	291.4	1.3	27	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/03	07:57:36.3	16.156N	94.202W	33N	5.0	3.9		NEIC

Oaxaca, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:10:22.6	87.3	292.0			5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/03	08:54:46.0	35.050N	141.590E	46.4	6.1	5.9		SZGRF
2000/06/03	08:54:49.7	35.537N	140.396E	70	5.6			NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 09:06:49.8	79.1	41.4					
	e pP	Z 09:07:03.1							

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RUE	e P	Z	09:06:57.5	80.5	41.5	1.1	138	6.0			
	e pP	Z	09:07:10.9								
BSEG	e P	Z	09:06:58.5	80.7	39.1	1.0	137	6.1			
	e pP	Z	09:07:11.8								
BRG	e P	Z	09:07:03.2	81.6	41.4						
	e pP	Z	09:07:16.7								
CLL	i P	+ Z	09:07:03.3			0.8	153	6.3			
	e pP	Z	09:07:16.6								
	e PP	Z	09:10:07.2			6.8	926				
	e S	E	09:17:12.2								
	e sS	E	09:17:36.8								
	e SS	E	09:22:30.7								
	e L	Z	09:46:21.8			20.0	7007	6.0			
CLZ	e P	Z	09:07:07.1	82.3	39.0	0.9	132	6.1			
	e pP	Z	09:07:20.8								
MOX	e P	Z	09:07:09.1	82.7	39.8						
	e pP	Z	09:07:22.7								
IBBN	e P	Z	09:07:09.9	82.9	37.1	0.8	144	6.3			
	e pP	Z	09:07:23.4								
GEC2	e P	Z	09:07:11.9	83.2	41.1						
	e pP	Z	09:07:25.6								
WET	e P	Z	09:07:12.9	83.4	40.5						
	e pP	Z	09:07:26.6								
GRA1	i P	+ Z	09:07:14.3	83.6	39.4	1.0	190	6.3			
	e (pP)	Z	09:07:27.8								
	e PP	Z	09:10:30.1								
	e S	N	09:17:34.6								
	e L	Z	09:48:42.1			20.3	5476	5.9			
BUG	e P	Z	09:07:14.2	83.8	36.7						
	e pP	Z	09:07:27.6								
TNS	e P	Z	09:07:17.4	84.3	37.5						
	e pP	Z	09:07:30.9								
FUR	e P	Z	09:07:19.9	84.8	39.3	0.8	130	6.1			
	e pP	Z	09:07:33.3								
STU	e P	Z	09:07:21.5	85.2	37.9	1.0	171	6.1			
	e pP	Z	09:07:34.9								
BFO	e P	Z	09:07:24.8	85.9	37.3	1.0	129	6.0			
	e pP	Z	09:07:38.1								

Date 2000/06/03
 Origin Time 13:27:50.3
 Ionian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:30:51.0	12.3	146.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	16:28:24.4	5.390S	102.400E	33.0N		7.8		SZGRF
2000/06/04	16:28:25.8	4.773S	102.050E	33N	6.8	8.0		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 16:41:35.8	92.5	94.4					
BRG	e P	Z 16:41:35.7	92.5	94.5					
RUE	e P	Z 16:41:36.7	92.7	94.3					
WET	e P	Z 16:41:37.9	93.1	93.8					
MOX	e P	Z 16:41:42.2	94.0	92.7					
FUR	e P	Z 16:41:42.6	94.1	92.6					
GRA1	e P	Z 16:41:43.3	94.2	92.5					
	e PP	Z 16:45:57.2							
	e S	E 16:52:00.7							
	e L	Z 17:37:08.7			21.8	354296		7.8	
CLL	e P	Z 16:41:37.7			1.1	125	6.2		
	e Pmax	Z 16:41:58.7			1.8	1648			
	e PPmax	Z 16:45:45.9			20.9	41224			
	e SKSac	E 16:52:08.4							
	e S	E 16:52:52.7							
	e PS	Z 16:54:06.9							
	e SS	E 16:58:56.4							
	e P'P'P'	Z 17:27:59.4			1.0	4			
	e L	Z 17:38:13.2			22.0	342329		7.8	
CLZ	e P	Z 16:41:46.0	94.8	91.6					
BSEG	e P	Z 16:41:46.7	94.9	91.4					
TNS	e P	Z 16:41:51.5	96.0	90.3					
BFO	e P	Z 16:41:51.5	96.0	90.4					
IBBN	e P	Z 16:41:53.8	96.4	89.5					
BUG	e P	Z 16:41:55.1	96.7	89.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	16:39:38.2	4.380S	105.610E	33.0N	7.0			SZGRF
2000/06/04	16:39:45.6	4.672S	102.140E	33N	6.6			NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:53:03.1	94.2	92.3	2.0	1042	7.0		

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	17:30:59.3	5.665S	103.070E	33N	5.3			NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 17:44:23.4	95.5	92.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	17:52:16.2	28.736N	65.321E	33N	6.0			NEIC

PAKISTAN

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 18:00:24.7			1.3	310	5.9		
BSEG	e P	Z 18:00:45.7			1.4	281	6.2		
BUG	e P	Z 18:00:57.8			1.3	353	6.3		
CLL	e P	Z 18:00:29.6			0.9	31	5.2		
CLZ	e P	Z 18:00:43.2			1.8	634	6.5		
GEC2	e P	Z 18:00:22.8			1.4	318	5.9		
GRA1	e P	Z 18:00:37.0			1.3	350	6.2		
MOX	e P	Z 18:00:35.9			1.4	487	6.4		
TNS	e P	Z 18:00:51.5			1.5	327	6.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:16:28.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:34:36.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	18:22:12.8	15.603S	172.989W	33N	5.4			NEIC

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKP	Z 18:41:50.7	145.7	7.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e (P)	Z 19:44:39.9					
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	20:14:01.2	4.559S	101.904E	33N	5.0			NEIC
Southern Sumatera, Indonesia								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 20:25:42.9	93.9	92.4	1.1	9	5.0
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	22:05:15.3	4.474S	102.123E	33N	4.8			NEIC
Southern Sumatera, Indonesia								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 22:18:32.1	94.0	92.2	1.1	11	5.1
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	22:30:50.2	4.851S	102.150E	33N	5.4	5.1		NEIC
Southern Sumatera, Indonesia								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 22:44:08.3	94.3	92.4	1.1	12	5.2
		e pP	Z 22:44:23.9					
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/04	23:14:35.0	5.042S	102.232E	33N	5.4	4.7		NEIC
Southern Sumatera, Indonesia								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 23:28:03.9	94.5	92.5	0.8	3	4.7
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	00:47:42.6	4.828S	102.598E	33N	5.2			NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:01:10.0	94.6	92.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	00:56:46.6	35.170N	24.900W	33.0N	4.8			SZGRF
2000/06/05	00:57:03.5	37.498N	23.356W	10G	4.5			NEIC

Azores Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:02:52.3	27.5	257.0	1.1	18	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	02:46:20.0	4.483S	102.320E	33N	5.0			NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:59:37.1	94.1	92.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	03:00:26.3	5.695S	102.957E	33N	5.6	5.5		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:13:50.0	95.5	92.4					
	e pP	Z 03:14:00.8							
	e PP	Z 03:17:40.4							
CLL	e SKSac	E 03:24:15.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	04:53:04.7	4.405S	102.202E	33N	5.2	4.4		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:06:21.8	94.0	92.1	1.2	19	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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Southern Sumatera, Indonesia

	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source		
2000/06/05	06:34:48.8	3.530N	101.370E	49.0	5.2	5.0		SZGRF		
2000/06/05	06:34:21.1	1.280S	104.930E	47.2	5.4			GRSN		
2000/06/05	06:34:11.8	4.958S	102.701E	33N	5.4	5.4		NEIC		

Malay Peninsula

	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	BRG	e P	Z 06:47:22.9	93.1	94.1	1.8	48	5.3		
		e pP	Z 06:47:37.8							
	GEC2	e P	Z 06:47:23.3	93.1	94.0	1.5	31	5.2		
		e pP	Z 06:47:37.4							
	WET	e P	Z 06:47:26.0	93.6	93.4	1.2	21	5.1		
		e pP	Z 06:47:40.0							
	CLL	i P	+ Z 06:47:25.7	92.2	89.3	1.9	37	5.4		
		e pP	Z 06:47:40.2							
		e PP	Z 06:51:01.8							
		e SKSac	E 06:58:03.0							
		e S	N 06:58:30.0							
		e PS	E 06:59:46.0							
	MOX	e P	Z 06:47:29.9	94.5	92.3	1.8	24	5.0		
		e pP	Z 06:47:44.1							
	GRA1	e P	Z 06:47:31.5	94.7	92.1	1.1	23	5.2		
		e pP	Z 06:47:45.0							
		e S	N 06:58:43.1							
		e L	Z 07:38:33.3			21.7	719		5.0	
	CLZ	e P	Z 06:47:33.4	95.3	91.2	1.5	26	5.3		
		e pP	Z 06:47:47.2							
	TNS	e P	Z 06:47:39.3	96.5	89.9	1.4	18	5.1		
		e pP	Z 06:47:53.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	09:17:36.2	4.371S	102.193E	33N	5.4	4.6		NEIC

Southern Sumatera, Indonesia

	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e P	Z 09:30:53.7	94.0	92.1					
		e pP	Z 09:31:06.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/05	23:55:42.8	4.093S	101.900E	33N	5.7	5.1		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 00:08:50.2	91.9	94.2	1.1	30	5.5		
GEC2	e P	Z 00:08:50.2	91.9	94.0	1.7	68	5.7		
RUE	e P	Z 00:08:51.4	92.1	94.0	1.0	49	5.8		
WET	e P	Z 00:08:53.1	92.5	93.4	1.3	43	5.6		
CLL	i P	Z 00:08:52.7			1.3	25	5.6		
	e	00:09:07.5							
	e S	N 00:19:51.2							
	e PS	E 00:21:04.6							
MOX	e P	Z 00:08:56.9	93.3	92.4	1.2	21	5.5		
FUR	e P	Z 00:08:57.3	93.5	92.3	1.0	23	5.6		
GRA1	e P	Z 00:08:58.0	93.6	92.1	1.2	38	5.7		
	e pP	Z 00:09:13.2							
	e S	N 00:19:54.7							
	e L	Z 01:00:49.3			21.5	344		4.8	
CLZ	e P	Z 00:09:00.3	94.2	91.3	1.2	23	5.4		
BSEG	e P	Z 00:09:00.9	94.2	91.1	1.2	18	5.3		
STU	e P	Z 00:09:03.2	94.9	90.7	1.3	18	5.4		
TNS	e P	Z 00:09:06.1	95.4	90.0	1.0	26	5.6		
BFO	e P	Z 00:09:05.6	95.4	90.1	1.1	12	5.2		
IBBN	e P	Z 00:09:08.2	95.8	89.2	0.9	16	5.6		
BUG	e P	Z 00:09:09.4	96.1	88.9	0.9	12	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	02:41:58.0	41.400N	33.120E	33.0N		5.4		SZGRF
2000/06/06	02:41:53.0	40.651N	32.917E	33N	5.6	6.1		NEIC

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pn	Z 02:45:58.3	17.7	112.5	1.0	88			
	e S	Z 02:49:18.8							
	e L	Z 02:53:44.8			22.0	21899		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	04:54:59.1	11.731S	131.015W	10G	5.4	4.6		NEIC

South Pacific Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 05:14:13.7	131.0	307.4					
	e PP	Z 05:16:27.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	05:31:23.4	5.001S	102.763E	33N	5.4	5.0		NEIC

Southern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	05:44:35.8	93.1	94.1	0.9	18	5.5		
	e pP	Z	05:44:49.2							
GEC2	e P	Z	05:44:36.0	93.1	94.0	1.3	26	5.5		
	e pP	Z	05:44:49.3							
RUE	e P	Z	05:44:37.0	93.3	93.9	0.9	40	5.8		
WET	e P	Z	05:44:38.3	93.7	93.4	1.2	29	5.6		
	e pP	Z	05:44:52.2							
MOX	e P	Z	05:44:42.3	94.6	92.3	1.3	20	5.3		
	e pP	Z	05:44:56.3							
GRA1	e P	Z	05:44:43.6	94.8	92.1	1.1	23	5.5		
	e pP	Z	05:44:57.3							
CLZ	e P	Z	05:44:45.7	95.4	91.2	1.1	15	5.3		
	e pP	Z	05:44:59.9							
BSEG	e P	Z	05:44:46.5	95.5	91.0	1.2	22	5.5		
	e pP	Z	05:44:59.8							
TNS	e P	Z	05:44:51.6	96.6	89.9	1.0	24	5.7		
	e pP	Z	05:45:05.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	05:59:36.0			N				SZGRF
2000/06/06	05:59:40.6	40.462N	32.762E	10G	4.2			NEIC

Turkey

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	06:03:49.2	17.7	113.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	09:58:06.6	5.091S	102.764E	33N	5.8	6.1		NEIC

Southern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	Z	10:11:19.5	93.2	94.1	0.8	34	5.8		
	e pP	Z	10:11:33.2							
GEC2	i P	Z	10:11:19.6	93.2	94.1	1.0	32	5.7		
	e pP	Z	10:11:33.3							
RUE	e P	Z	10:11:20.7	93.4	93.9	0.9	68	6.1		

	e pP	Z	10:11:34.2							
WET	i P	Z	10:11:22.0	93.8	93.4	1.0	46	5.8		
	e pP	Z	10:11:35.6							
CLL	i P	+ Z	10:11:21.7			1.2	63	5.8		
	e pP	Z	10:11:37.0							
	e PP	Z	10:15:00.8							
	e SKKSac	E	10:22:05.1							
	e S	N	10:22:25.3							
	e PS	Z	10:23:45.3							
	e L	Z	11:01:13.4			20.0	6407		6.1	
MOX	i P	Z	10:11:26.2	94.7	92.3	1.0	34	5.7		
FUR	e P	Z	10:11:27.1	94.8	92.3	1.0	34	5.7		
	e pP	Z	10:11:40.3							
GRA1	i P	Z	10:11:27.8	94.9	92.1	0.9	47	5.9		
	e pP	Z	10:11:41.4							
	e PP	Z	10:15:15.7							
	e S	N	10:22:28.9							
	e L	Z	11:02:21.9			21.5	3534		5.8	
CLZ	i P	Z	10:11:30.0	95.5	91.3	0.9	28	5.7		
	e pP	Z	10:11:43.9							
BSEG	e P	Z	10:11:30.2	95.6	91.0	1.0	38	5.8		
	e pP	Z	10:11:44.1							
STU	e P	Z	10:11:33.3	96.2	90.7	0.9	12	5.4		
TNS	i P	Z	10:11:35.7	96.7	90.0	0.9	42	6.1		
	e pP	Z	10:11:48.9							
BFO	e P	Z	10:11:35.6	96.7	90.1	0.8	8	5.4		
IBBN	e P	Z	10:11:37.5	97.1	89.2	1.1	39	6.0		
BUG	e P	Z	10:11:38.1	97.4	88.9	1.0	22	5.7		
WLF	e P	Z	10:11:42.5	98.2	88.3	1.1	17	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	10:59:24.4	37.560N	102.440E	114.3	5.5	5.6		SZGRF
2000/06/06	10:59:13.3	37.021N	103.759E	33N	5.2	5.6		NEIC

Gansu, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z 11:09:34.3	62.0	64.7	2.0	83	5.2		
CLL	e P	Z 11:09:36.2	62.4	64.3	1.0	29	5.1		
BSEG	e P	Z 11:09:40.1	62.7	63.7	1.9	117	5.8		
GEC2	e P	Z 11:09:42.2	63.1	63.6	1.1	10	5.0		
WET	e P	Z 11:09:43.0	63.4	63.2	1.7	44	5.4		
MOX	e P	Z 11:09:43.2	63.5	63.1	1.9	64	5.4		
CLZ	e P	Z 11:09:43.4	63.6	62.8	1.8	106	5.7		
GRA1	e P	Z 11:09:48.4	64.1	62.4	1.7	105	5.7		
	e	11:10:15.6							
	e L	Z 11:39:47.4			19.2	3862		5.6	
FUR	e P	Z 11:09:53.4	64.8	61.8	1.9	180	6.0		

TNS	e P	Z	11:09:56.1	65.5	60.9	1.7	43	5.4
BFO	e P	Z	11:10:03.6	66.5	60.1	1.5	32	5.3
WLF	e P	Z	11:10:08.3	67.0	59.3	1.5	49	5.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	14:57: 6.6	30.250N	132.450E	33.0N	5.7	6.7		SZGRF
2000/06/06	14:56:58.7	29.443N	131.413E	10G	5.8	6.0		NEIC

Southeast of Shikoku, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	15:09:20.6	81.7	51.2	1.6	211	6.0		
BSEG	e P	Z	15:09:23.9	82.4	48.8	1.5	115	5.8		
BRG	e P	Z	15:09:25.3	82.7	51.2	1.0	52	5.7		
CLL	i P	Z	15:09:26.1			0.8	144	6.1		
	i		15:09:47.2							
	e PP	Z	15:12:44.4			10.5	1750			
	e S	Z	15:19:46.4							
	e PS	Z	15:20:25.3							
	e SS	Z	15:25:12.4							
	e		15:25:47.6							
	e PKKP	Z	15:27:49.7							
	e SSSS	Z	15:31:48.1							
	e L	Z	15:50:40.1			18.0	35911		6.8	
CLZ	e P	Z	15:09:30.8	83.7	48.6	1.0	122	6.1		
MOX	e P	Z	15:09:31.7	83.9	49.5	0.9	50	5.7		
GEC2	e P	Z	15:09:32.8	84.1	50.8	1.2	37	5.5		
WET	e P	Z	15:09:34.0	84.3	50.3	1.3	34	5.4		
IBBN	e P	Z	15:09:34.3	84.6	46.7	0.7	83	6.1		
GRA1	e P	Z	15:09:36.9	84.7	49.1	1.4	99	5.9		
	e S	N	15:20:02.2							
	e SS	N	15:25:35.3							
	e PKKP	Z	15:27:45.8							
	e L	Z	15:51:51.9			18.4	30590		6.7	
BUG	e P	Z	15:09:39.7	85.4	46.3	1.8	103	5.8		
TNS	e P	Z	15:09:41.6	85.7	47.1	1.0	34	5.4		
BFO	e P	Z	15:09:46.7	87.1	46.9	1.1	24	5.2		
WLF	e P	Z	15:09:48.3	87.2	45.4	1.4	58	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	18:25:38.8	18.921N	103.996W	100*	4.6			NEIC

Near coast of Michoacan, Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:38:34.5	90.8	301.1	1.3	14	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/06	21:16:49.3	37.490N	136.460E	46.2	5.7	5.7		SZGRF
2000/06/06	21:16:42.7	36.893N	135.445E	10G	5.8	5.3		NEIC

Near west coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	21:28:40.5	77.3	44.3	1.3	146	5.9		
BSEG	e P	Z	21:28:42.1	77.6	42.0	1.2	89	5.8		
BRG	e P	Z	21:28:46.6	78.3	44.1	1.4	78	5.5		
CLL	i P	+ Z	21:28:46.2			1.1	134	5.9		
	e PP	Z	21:31:43.8							
	e S	E	21:38:41.6							
	e PS	Z	21:39:31.0							
	e SS	E	21:43:48.5							
	e SSS	E	21:47:25.9							
	e LV	Z	21:54:34.9							
	e L	Z	22:10:04.0			18.0	7796		6.1	
CLZ	e P	Z	21:28:50.8	79.2	41.8	1.2	112	5.8		
MOX	e P	Z	21:28:52.5	79.5	42.5	1.2	48	5.3		
IBBN	e P	Z	21:28:54.2	79.9	40.0	1.1	133	5.8		
GEC2	e P	Z	21:28:54.8	79.9	43.7	1.2	35	5.2		
WET	e P	Z	21:28:55.9	80.1	43.2	1.3	60	5.4		
GRA1	e P	Z	21:28:57.6	80.4	42.1	1.3	188	6.0		
	e S	E	21:38:58.3							
	e L	Z	22:06:24.3			19.5	3474		5.7	
BUG	e P	Z	21:28:58.6	80.7	39.6	1.3	109	5.7		
TNS	e P	Z	21:29:01.7	81.2	40.3	1.3	64	5.5		
FUR	e P	Z	21:29:03.6	81.5	42.0	1.3	137	5.9		
STU	e P	Z	21:29:06.0	82.0	40.6	1.2	95	5.8		
WLF	e P	Z	21:29:09.3	82.5	38.6	1.2	40	5.5		
BFO	e P	Z	21:29:09.3	82.7	40.0	1.0	98	6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07	23:45:26.3	4.652S	101.982E	33N	6.2	6.7		NEIC

Southern Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	23:58:35.1	92.4	94.4	2.1	371	6.3		
	e pP	Z	23:58:42.3							

	e sP	Z	23:58:53.0						
BRG	e P	Z	23:58:35.5	92.4	94.5	1.9	359	6.4	
	e sP	Z	23:58:52.9						
RUE	e P	Z	23:58:36.1	92.6	94.3	1.4	115	6.0	
	e pP	Z	23:58:43.1						
WET	e P	Z	23:58:37.8	92.9	93.7	2.0	351	6.4	
	e pP	Z	23:58:44.8						
	e sP	Z	23:58:55.5						
CLL	i P	+ Z	23:58:37.6			2.0	292	6.5	
	e		23:58:43.9						
	e		23:58:55.5						
	e PP	Z	00:02:25.2						
	e SKS	E	00:09:08.8						
	e S	N	00:09:44.7						
	e PS	Z	00:10:45.8						
	e PKKPbc	Z	00:15:49.1						
	e SS	E	00:15:58.2						
	e L	Z	00:50:32.8			20.0	33379	6.8	
MOX	e P	Z	23:58:41.4	93.8	92.7	1.9	237	6.2	
	e pP	Z	23:58:48.5						
	e sP	Z	23:59:00.0						
FUR	e P	Z	23:58:41.5	93.9	92.6	2.0	227	6.2	
	e pP	Z	23:58:49.0						
GRA1	e P	Z	23:58:42.9	94.0	92.4	2.4	530	6.4	
	e pP	Z	23:58:49.8						
	e sP	Z	23:59:01.1						
CLZ	e P	Z	23:58:45.1	94.7	91.6	1.6	146	6.1	
	e pP	Z	23:58:52.5						
	e sP	Z	23:59:03.2						
BSEG	e P	Z	23:58:45.9	94.7	91.4	1.3	93	6.0	
	e pP	Z	23:58:52.7						
	e sP	Z	23:59:04.0						
STU	e P	Z	23:58:48.8	95.3	91.0	2.4	354	6.4	
TNS	e P	Z	23:58:51.0	95.8	90.3	1.3	83	6.1	
	e pP	Z	23:58:57.7						
	e sP	Z	23:59:08.9						
BFO	e P	Z	23:58:50.5	95.9	90.4	1.9	89	6.0	
IBBN	e P	Z	23:58:53.2	96.3	89.5	1.6	145	6.3	
	e pP	Z	23:58:59.6						
	e sP	Z	23:59:09.8						
BUG	e P	Z	23:58:55.1	96.6	89.2	2.3	257	6.3	
WLF	e P	Z	23:58:58.0	97.3	88.6	2.2	136	6.2	
GRA1	e SKSac	Z	00:09:22.6	94.0	92.4				
	e PKKP	Z	00:15:46.0						
	e		00:22:11.9						
	e		00:22:22.7						
	e		00:24:05.5						
	e L	Z	00:55:53.8			19.2	21841	6.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07	00:42:14.9	52.059S	140.152E	10G	5.0	4.8		NEIC

South of Australia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 01:02:02.9	148.4	114.3					
	e PKPbc	Z 01:02:15.8							
	e PKPab	Z 01:02:29.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07	16:24:48.5	4.850S	102.015E	10G	4.8			NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:38:10.3	94.2	92.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07	16:45:31.8	5.076N	126.916E	33N	5.2	5.0		NEIC

Talau Islands, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:59:25.9	102.2	66.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:10:34.5							
	e L	Z 17:51:41.2			19.7	359			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 18:53:52.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/07	21:47:1.8	26.680N	96.430E	33.0N	6.5	6.6		SZGRF
2000/06/07	21:46:55.8	26.837N	97.223E	33N	6.3	6.5		NEIC

Myanmar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	i P	+ Z	21:57:36.6	65.2	77.6	1.2	716	6.8		
BRG	i P	+ Z	21:57:38.6	65.4	77.0	1.2	320	6.4		
CLL	i P	+ Z	21:57:41.3			1.3	290	6.3		
	e PP	Z	22:00:00.9							
	e PPP	Z	22:01:49.7							
	e S	E	22:06:28.0							
	e ScS	E	22:07:38.7							
	e SS	N	22:10:38.2							
	e SSS	N	22:14:03.3							
	e PKPPKP	Z	22:26:19.4			2.2	54			
	e L	Z	22:30:40.1			18.0	55311		6.8	
GEC2	i P	+ Z	21:57:42.7	66.0	76.0	1.3	341	6.4		
WET	i P	+ Z	21:57:45.5	66.5	75.5	1.2	242	6.3		
BSEG	i P	+ Z	21:57:48.4	66.8	75.7	1.3	695	6.7		
MOX	i P	+ Z	21:57:48.0	66.9	75.3	1.2	219	6.3		
CLZ	i P	+ Z	21:57:51.2	67.3	74.9	1.3	706	6.7		
GRA1	i P	+ Z	21:57:51.8	67.4	74.6	1.4	509	6.6		
	e S	N	22:06:43.9							
	e SS	N	22:11:04.0							
	e PKPPKP	Z	22:26:17.1							
	e L	Z	22:30:19.3			20.8	37723		6.6	
FUR	i P	+ Z	21:57:53.8	67.8	74.1	1.2	700	6.8		
IBBN	i P	+ Z	21:57:59.7	68.8	73.2	1.3	481	6.6		
STU	i P	+ Z	21:58:00.9	68.9	72.9	1.2	480	6.6		
TNS	i P	+ Z	21:58:01.3	69.0	72.9	1.1	250	6.3		
BUG	i P	+ Z	21:58:03.5	69.3	72.5	1.3	412	6.5		
BFO	i P	+ Z	21:58:06.3	69.6	72.2	1.3	195	6.2		
WLF	i P	+ Z	21:58:11.4	70.5	71.1	1.2	643	6.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/08	00:32:20.8	30.170N	139.200E	33.0	5.3			SZGRF
2000/06/08	00:32:49.7	32.864N	130.603E	33N	4.9			NEIC

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	00:45:06.8	81.5	47.7	0.9	16	5.3		
	e		00:45:09.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/08 04:34:50.6 4.437S 101.851E 33N 4.9 4.9 NEIC
Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:48:17.3	93.8	92.4	0.8	13	5.3		

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/08 07:32:42.3 18.004S 174.617W 33N 4.7 NEIC
Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 07:52:25.2	148.0	10.5					

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/08 08:08:18.3 16.590N 92.450W 16.9 5.3 4.9 SZGRF
2000/06/08 08:08:10.1 14.329N 92.024W 33N 5.3 4.9 NEIC
Chiapas, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:20:55.3	87.4	289.3	0.8	22	5.3		
	e pP	Z 08:21:00.2							
	e S	N 08:31:31.1							
	e L	Z 08:56:40.9			21.6	515		4.9	

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/08 12:21:00.8 23.910N 96.970E 10.9 5.1 4.8 SZGRF
2000/06/08 12:21:09.6 26.615N 97.177E 33N 5.1 4.5 NEIC
Myanmar

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:32:06.6	67.5	74.8					
	e	12:32:09.8							
	e L	Z 13:04:06.3			19.1	498		4.8	

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/08 13:53:57.6 52.560N 159.150E 33.0N 5.4 4.7 SZGRF
2000/06/08 13:53:52.2 52.248N 159.645E 33N 4.9 4.6 NEIC
Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:05:31.6	74.6	19.4	1.6	59	5.4		

e S	E	14:14:19.8							
e L	Z	14:43:49.2	19.0	357	4.7				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/08	15:33:45.1	15.060N	90.270W	33.0N	5.1	4.7		SZGRF
2000/06/08	15:33:39.8	14.311N	92.067W	33N	5.0	4.6		NEIC

Guatemala

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:46:21.4	87.5	289.3	1.5	21	5.1		
	e L	Z 16:21:59.6			21.6	342		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/08	20:42:26.6	46.890N	14.280E	10.0G			2.9	SZGRF
2000/06/08	20:42:23.9	46.739N	14.373E	10G				NEIC

Northwestern Balkan Peninsula

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:43:00.1	2.2	167.7					2.6
	e Sg	N 20:43:30.1							
FUR	e Pg	Z 20:43:09.8	2.5	123.1					
	e Sg	N 20:43:43.1							
WET	e Pn	Z 20:43:06.2	2.6	156.8					
	e Sg	N 20:43:44.9							
GRA1	e Pn	Z 20:43:21.5	3.6	143.4					3.3
	e Sg	N 20:44:16.4							
MOX	e Pn	Z 20:43:29.5	4.3	154.0					
	e Sg	E 20:44:37.7							
BFO	e Pn	Z 20:43:30.6	4.4	109.1					
	e Sg	N 20:44:42.4							
CLL	e Pn	Z 20:43:35.2	4.7	168.4					
	e Sg	N 20:44:48.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/08	21:26:57.3			N		3.9		SZGRF
2000/06/08	21:27:56.8	40.606N	33.017E	22	4.7	3.9		NEIC

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:32:02.1	17.8	112.5					
	e L	Z 21:39:45.8			19.3	405		3.9	

GRA1 e (PKPdf) Z 02:29:22.3
e (pPKPdf) Z 02:29:27.6

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	02:42:15.6	5.073S	152.552E	33N	5.2			NEIC

New Britain, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 03:01:14.3	124.8	49.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	03:14:31.2	41.220N	32.580E	33.0N	4.3			SZGRF
2000/06/09	03:14:19.7	40.710N	32.974E	10G	4.6			NEIC

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 03:18:04.9	15.8	113.6	1.3	12			
WET	e P	Z 03:18:12.3	16.5	113.2	1.7	28			
GRA1	e P	Z 03:18:28.6	17.7	112.3	1.1	20	4.1		
MOX	e P	Z 03:18:29.5	17.8	115.6	1.4	29			
BFO	e P	Z 03:18:44.6	19.0	104.4	1.2	46	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	04:21:01.6	5.629S	102.789E	33N	5.3	5.0		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:34:25.7	95.3	92.5	1.2	11	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	05:06:10.9	46.710N	10.220E	10.0G			3.1	SZGRF
2000/06/09	05:06:08.6	46.631N	10.285E	10G				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pg	Z 05:06:38.6	1.7	204.0					3.4
	e Sg	N 05:07:03.2							
BFO	e Pn	Z 05:06:45.8	2.2	141.4					2.9
	e Sn	N 05:07:12.0							
WET	e Pn	Z 05:06:58.4	3.1	215.7					3.0
	e Sn	N 05:07:32.8							

GRA1	e Sg	N	05:07:48.1	3.1	191.9							3.3
GEC2	e Pn	Z	05:07:00.3	3.2	227.3							2.9
	e Sn	N	05:07:38.4									
MOX	e Pn	Z	05:07:12.1	4.1	192.9							
	e Sn	N	05:07:59.3									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	05:35:50.1	5.364S	102.800E	33N	5.4	5.1		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:49:12.4	95.1	92.3	0.8	11	5.3		
	e	05:49:21.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	06:27:25.9	5.372S	102.735E	33N	5.4	5.2		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:40:48.8	95.1	92.3	0.6	6	5.2		
	e	06:40:57.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	08:00:13.5	6.130S	103.560E	33.0N	6.1	5.5		SZGRF
2000/06/09	08:00:22.1	5.616S	102.645E	33N	6.0	5.8		NEIC

Southwest of Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 08:13:50.1	93.5	94.5	1.4	75	5.8		
BRG	e P	Z 08:13:49.8	93.5	94.6	1.3	77	5.9		
RUE	e P	Z 08:13:51.7	93.8	94.3	1.1	112	6.2		
WET	e P	Z 08:13:52.4	94.1	93.9	1.2	66	5.9		
CLL	e P	Z 08:13:52.7	94.2	93.8	1.8	107	6.0		
GRA1	e P	Z 08:13:58.0	95.2	92.6	1.3	73	6.1		
	e PP	Z 08:17:36.3							
	e S	N 08:24:55.4							
	e SS	E 08:31:59.2							
	e L	Z 09:03:00.4			21.8	1819		5.5	
CLZ	e P	Z 08:14:00.1	95.8	91.7	1.8	115	6.2		
BSEG	e P	Z 08:14:00.9	95.9	91.4	1.5	58	6.0		
TNS	e P	Z 08:14:06.1	97.0	90.4	1.2	52	6.1		
BFO	e P	Z 08:14:05.2	97.1	90.5	1.4	25	5.8		
IBBN	e P	Z 08:14:08.1	97.4	89.6	3.8	866	6.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	08:41:59.2	11.355S	161.923E	33N	5.1	6.0		NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 09:01:29.1	134.7	42.4					
	e (pPKPdf)	Z 09:01:41.2							
	e L	Z 09:58:33.4			21.9	4249		6.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 10:22:35.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	22:07:05.5	4.501S	102.032E	33N	5.2	4.7		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:20:23.0	94.0	92.3					
	e	22:20:31.4							
	e	22:20:35.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	22:35: 6.0	29.120N	139.650E	485.1	5.9			SZGRF
2000/06/09	22:35:13.4	30.462N	137.651E	468D	5.3			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	i P	- Z 22:46:54.1	83.7	46.1	1.6	318	6.3		
BSEG	i P	- Z 22:46:55.8	84.1	43.5	1.6	168	5.9		
BRG	i P	- Z 22:46:58.9	84.8	46.1	1.1	100	5.8		
CLL	i P	- Z 22:46:59.4			1.2	166	6.0		
	e pP	Z 22:48:46.7							
	e	22:48:52.9							
	e sP	Z 22:49:35.1							
	e sPP	Z 22:52:49.7							
	e S	N 22:56:45.8							

	e SP	Z	22:57:41.9								
	e sS	N	22:59:57.9								
	e SS	N	23:02:34.4								
CLZ	i P	- Z	22:47:03.3	85.6	43.5	1.2		84	5.7		
MOX	i P	- Z	22:47:04.6	86.0	44.3	1.3		70	5.8		
GEC2	i P	- Z	22:47:06.3	86.3	45.8	0.9		28	5.6		
IBBN	i P	- Z	22:47:06.4	86.4	41.5	1.2		139	6.2		
WET	i P	- Z	22:47:07.0	86.5	45.2	1.1		32	5.6		
GRA1	i P	- Z	22:47:09.3	86.8	44.0	1.3		131	6.0		
	e pP	Z	22:48:56.7								
	e		22:49:04.2								
	e sP	Z	22:49:49.0								
BUG	i P	- Z	22:47:10.2	87.2	41.1	1.5		66	5.7		
TNS	i P	- Z	22:47:12.7	87.6	42.0	1.4		38	5.4		
FUR	i P	- Z	22:47:14.2	87.9	44.0	0.8		160	6.3		
STU	i P	- Z	22:47:16.2	88.4	42.5	1.0		121	6.1		
BFO	i P	- Z	22:47:19.5	89.1	41.8	1.3		140	6.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/09	23:30:50.1	29.580N	139.730E	480.9	5.5			SZGRF
2000/06/09	23:31:45.5	30.527N	137.661E	487D	5.9			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z	23:43:24.3	83.7	46.0	0.9	47	5.6	
BSEG	e P	Z	23:43:26.2	84.1	43.5	1.2	37	5.4	
BRG	e P	Z	23:43:29.2	84.7	46.0	1.0	31	5.4	
CLL	i P	- Z	23:43:29.6			1.1	268	6.3	
	i pP	Z	23:45:17.9						
	e sP	Z	23:46:03.6						
	e pPP	Z	23:48:23.0						
	e PPP	Z	23:48:52.1						
	e sPP	Z	23:49:20.3			11.7	1216		
	e SKSac	E	23:52:59.3						
	e S	N	23:53:17.0						
	e SP	Z	23:54:16.0						
	e PS	E	23:55:24.6						
	e sS	E	23:56:32.0						
	e		23:57:15.9						
	e SS	E	23:58:58.5						
CLZ	e P	Z	23:43:33.4	85.6	43.4	1.3	36	5.5	

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MOX	e P	Z	23:43:35.0	85.9	44.3	1.3	28	5.4
GEC2	e P	Z	23:43:36.4	86.2	45.7	1.4	24	5.3
IBBN	e P	Z	23:43:36.6	86.3	41.5	1.4	84	5.9
WET	e P	Z	23:43:37.4	86.4	45.1			
GRA1	e P	Z	23:43:39.6	86.8	44.0	1.2	52	5.6
	e pP	Z	23:45:28.1					
	e		23:45:34.9					
	e sP	Z	23:46:14.9					
	e S	N	23:53:16.7					
BUG	e P	Z	23:43:40.5	87.2	41.1	1.1	17	5.2
TNS	e P	Z	23:43:42.9	87.6	41.9			
FUR	e P	Z	23:43:44.4	87.8	43.9	0.8	60	5.9
STU	e P	Z	23:43:46.3	88.3	42.4	1.0	40	5.6
BFO	e P	Z	23:43:49.7	89.1	41.8	1.3	53	5.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKPdf	- Z 02:23:54.2							
	i PKPbc	- Z 02:24:00.6							
	e PKPab	Z 02:24:08.6							
	e (pPKPbc)	Z 02:25:11.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	08:13:59.0	4.407S	101.998E	33N	5.0			NEIC
Southern Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 08:27:16.1	93.9	92.3	1.0	13	5.2		
	e pP	Z 08:27:25.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	08:49:48.0	17.427S	172.621W	33N	5.0	5.4		NEIC
Tonga Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 09:09:31.4	147.6	6.9					
	e	09:09:41.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	09:17:53.3	11.347S	166.099E	33N	5.4	5.6		NEIC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPdf	- Z 09:37:11.7			0.8	12			
	e PP	Z 09:39:36.9							
	e SKP	Z 09:40:42.1			1.8	46			
	e PPP	Z 09:42:39.9							
	e PS	Z 09:49:19.7							
	e SPP	Z 09:51:30.4							
	e L	Z 10:40:10.9			18.0	1508		5.8	
GRA1	e PKPdf	Z 09:37:15.3	136.4	37.1					
	e (PP)	Z 09:39:53.2							
	e SKP	Z 09:40:56.9							
	e L	Z 10:41:15.9			20.1	1558		5.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	13:13:46.4	17.496S	172.517W	33N	4.7	3.9		NEIC

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 13:33:29.9	147.7	6.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	14:11:53.9	4.620S	153.416E	33N	5.3	4.8		NEIC

New Ireland, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKPdf	+ Z 14:30:52.4	124.8	48.1					
	e L	Z 15:28:46.2			22.0	188		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	18:23:31.6	24.050N	121.740E	33.0N	6.5	6.6		SZGRF
2000/06/10	18:23:29.2	23.818N	121.212E	33N	6.1	6.2		NEIC

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 18:35:41.0	80.4	62.0					
RUE	e P	Z 18:35:44.7	81.2	62.0	1.3	704	6.5		
BRG	e P	Z 18:35:48.0	81.8	61.9	1.9	690	6.5		

CLL	i P	+ Z	18:35:49.4				2.1	966	6.7		
	e PP	Z	18:38:59.8								
	e PPP	Z	18:40:57.3								
	e S	E	18:46:02.1								
	e SKSac	N	18:46:19.6								
	e		18:46:41.2								
	e SS	N	18:51:23.6								
	e PKKPbc	Z	18:54:16.2				1.6	21			
	e PKPPKP	Z	19:02:21.5				1.9	29			
	i SKPPKP	Z	19:05:42.5				2.0	85			
	e L	Z	19:16:23.0				18.0	60098		7.0	
BSEG	e P	Z	18:35:50.4	82.3	59.6		1.4	390	6.4		
GEC2	e P	Z	18:35:54.0	82.9	61.5		1.4	316	6.4		
MOX	e P	Z	18:35:55.4	83.2	60.2		1.8	579	6.5		
WET	e P	Z	18:35:55.6	83.3	61.0		1.5	188	6.1		
GRA1	e P	Z	18:35:59.3	83.9	59.8						
	e PP	Z	18:39:13.8								
	e S	Z	18:46:24.3								
	e PKKPdf	Z	18:54:13.2								
	e PKKPbc	Z	18:54:21.7								
	e SKPPKP	Z	19:05:36.9								
	e L	Z	19:17:15.9				21.7	30494		6.6	
IBBN	e P	Z	18:36:01.3	84.4	57.5		1.2	232	6.3		
FUR	e P	Z	18:36:03.0	84.7	59.7		1.5	1606	7.0		
BUG	e P	Z	18:36:04.9	85.2	57.0		1.5	709	6.7		
TNS	e P	Z	18:36:05.3	85.2	57.8						
STU	e P	Z	18:36:06.8	85.5	58.3						
BFO	e P	Z	18:36:10.0	86.3	57.6		1.9	488	6.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/10	18:43:20.8	45.560N	155.580E	33.0N	5.3			SZGRF
2000/06/10	18:43:29.9	46.514N	152.667E	61*	4.7			NEIC

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 18:55:26.4	78.2	26.0	1.0	34	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	00:31:33.3	1.670N	13.390W	26.6	4.3			SZGRF

North of Ascension Island

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:40:43.6	52.4	211.7			4.3		
	e pP	Z 00:40:50.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:02:30.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	03:29:51.4	29.941S	178.587W	143D	5.2			NEIC
Kermadec Islands, New Zealand								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z 03:50:09.8	158.9	24.2					
	e	Z 03:50:20.9							
	e pPKPab	Z 03:50:49.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 04:23:13.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	06:45:08.0	19.660N	120.251E	33N	4.7			NEIC
Southeast of Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:57:51.8	86.7	63.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	09:25:55.6	5.457S	101.497E	33N	5.1	5.2		NEIC
Southwest of Sumatera, Indonesia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:39:13.9	94.3	93.3					
	e L	Z 10:27:04.8			19.8	689		5.1	

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	11:55:12.2	50.596S	139.735E	10G	6.0	6.3		NEIC

South of Australia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z 12:14:54.3			1.7	369			
	e SS	N 12:37:31.0							
	e PSS	E 12:38:19.5							
	e SSS	E 12:43:07.5							
	e L	Z 13:26:58.8			20.0	13186		6.7	
GRA1	i PKPdf	+ Z 12:14:56.3	147.7	111.8					
	e	12:17:01.4							
	e	12:17:56.7							
	e	12:18:40.3							
	e L	Z 13:24:30.2			21.2	15365		6.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	21:29:42.7	10.352N	126.206E	33N	5.0	4.6		NEIC

Philippine Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:43:36.7	97.6	64.1			5.2		
	e L	Z 22:33:04.4			19.1	309		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	22:29:04.2	4.971S	102.156E	33N	5.4	4.9		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:42:34.4	94.4	92.5			4.9		
	e L	Z 23:32:10.7			20.9	224		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/11	22:55:54.9			G			3.9	SZGRF
2000/06/11	22:55:30.9	43.148N	12.494E	10G				NEIC

Adriatic Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 22:56:50.0	5.1	169.9					3.9
GEC2	e Pn	Z 22:56:57.6	5.8	188.8					3.6
	e Sg	N 22:58:03.0							
BFO	e Pn	Z 22:57:02.5	5.9	149.2					3.6
	e Sn	E 22:58:05.7							

WET	e Pn	Z	22:57:00.7	6.0	182.7							3.7
	e Sg	E	22:58:07.1									
STU	e Pn	Z	22:57:04.4	6.1	156.6							4.0
GRA1	e Pn	Z	22:57:09.1	6.6	171.9							4.1
MOX	e Pn	Z	22:57:21.3	7.5	175.1							3.9
TNS	e Pn	Z	22:57:24.8	7.6	157.1							
BRG	e Pn	Z	22:57:24.5	7.8	187.8							
CLL	e Pn	Z	22:57:30.8	8.2	182.6							4.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/12	03:30: 4.8	44.210N	12.530E	10.0G			3.9	SZGRF
2000/06/12	03:30:04.3	44.189N	12.472E	10G				NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	03:31:08.3	4.1	167.8					4.0
	e Sg	E	03:32:14.4							
GEC2	e Pn	Z	03:31:15.9	4.7	190.7					
	e Sn	N	03:32:08.5							
BFO	e Pn	Z	03:31:20.2	5.0	143.8					
	e Sn	N	03:32:14.4							
GRA1	e Pn	Z	03:31:28.0	5.6	170.7					4.0
	e Sn	E	03:32:30.1							
	e Sg	E	03:33:03.5							
MOX	e Pn	Z	03:31:40.8	6.5	174.6					3.9
	e Sn	E	03:32:48.2							
TNS	e Pn	Z	03:31:40.9	6.6	154.1					3.7
BRG	e Pn	Z	03:31:42.5	6.8	189.0					
	e Sn	E	03:32:54.0							
CLL	e Pn	Z	03:31:48.6	7.1	183.1					4.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/12								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	04:08:34.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/12	05:42:17.7			N				SZGRF

Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:46:34.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/12	16:54:13.1	42.958N	144.597E	51D	4.9			NEIC

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 17:06:14.1	78.8	32.8	1.0	41	5.4		
	e pP	Z 17:06:30.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/12	20:17:23.4			N	4.2			SZGRF

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:22:26.4			0.8	7	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKP	+ Z 00:31:57.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/13								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKPdf	- Z 00:44:30.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/13	20:17:23.4	33.030N	28.050E	33.0N		4.6		SZGRF
2000/06/13	01:43:17.2	35.163N	27.148E	33N	5.2	5.0		NEIC

Eastern Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	i Pn	- Z 01:47:13.1	16.9	139.1					
	e Sn	E 01:50:24.5							
	e Sn	Z 01:50:24.5							
	e L	Z 01:54:05.1			21.3	1579		4.3	
	e ScP	Z 01:55:33.7							

FUR	i Pn	- Z	01:47:21.5	17.5	132.1			
	e Sn	E	01:50:33.9					
	e Sn	Z	01:50:36.2					
	e L	Z	01:53:54.1			20.0	2825	4.6
BRG	i Pn	- Z	01:47:30.4	18.4	143.7			
	e L	Z	01:54:12.8			19.4	2203	4.5
	e ScP	Z	01:55:37.1					
GRA1	i Pn	- Z	01:47:35.7	18.6	135.3			
	e Sn	E	01:50:57.3					
	e Sn	Z	01:51:04.4					
	e L	Z	01:54:25.8			21.7	2554	4.6
	e ScP	Z	01:55:45.7					
STU	i Pn	- Z	01:47:37.5	19.0	129.2			
	e L	Z	01:56:40.7			21.2	2479	4.6
CLL	i Pn	- Z	01:47:39.4	19.1	142.3			
	e L	Z	01:54:41.7			19.9	2185	4.5
	e ScP	Z	01:55:38.5					
MOX	i Pn	- Z	01:47:42.5	19.1	138.1			
	e L	Z	01:55:13.4			21.4	3093	4.7
	e ScP	Z	01:55:38.6					
BFO	i Pn	- Z	01:47:39.6	19.2	126.5			
	e Sn	Z	01:51:20.8					
	e Sn	N	01:51:25.5					
	e L	Z	01:55:32.1			18.8	3485	4.8
	e ScP	Z	01:55:38.6					
RUE	i Pn	- Z	01:47:47.2	19.7	146.0			
	e Sn	E	01:51:23.2					
	e Sn	Z	01:51:25.5					
	e L	Z	01:55:46.0			20.7	2028	4.5
TNS	i Pn	- Z	01:47:51.0	20.3	130.8			
	e L	Z	01:55:38.6			21.6	2754	4.6
	e ScP	Z	01:55:41.6					
RGN	i Pn	- Z	01:48:05.7	21.6	148.0			
	e L	Z	01:56:00.9			21.9	1705	4.5
BUG	i Pn	- Z	01:48:07.9	21.6	131.1			
	e Sn	N	01:52:03.6					
	e Sn	Z	01:52:03.6					
	e ScP	Z	01:55:44.6					
	e L	Z	01:58:39.2			18.7	1949	4.6
BSEG	i Pn	- Z	01:48:11.2	22.2	141.1			
	e ScP	Z	01:55:45.7					
	e L	Z	01:56:47.5			20.8	1592	4.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/13	16:01:57.4	69.510N	14.390W	33.0N	4.9			SZGRF
2000/06/13	16:01:44.8	70.922N	13.386W	10G	4.5	3.8		NEIC

Jan Mayen Island region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	16:07:02.7	24.1	340.5	1.0	41	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14	23:01:14.9	17.800S	176.166E	33N	5.5	5.7		NEIC

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPdf	Z	23:20:47.4			2.2	44			
	e SKS	Z	23:27:25.4							
	e SS	E	23:43:09.0							
	e SSS	E	23:47:58.5							
	e LV	Z	00:08:05.8							
	e L	Z	00:21:22.0			18.0	1499		5.8	
GRA1	e PKPdf	Z	23:20:53.6	145.9	26.2					
	e		23:21:30.1							
	e		23:22:22.6							
	e L	Z	00:32:33.2			21.8	1465			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14	01:44:28.0	17.280N	120.240E	59D	5.6			NEIC

Luzon, Philippine Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z	01:57:16.7	88.6	64.6	2.1	208	6.0		
	e pP	Z	01:57:33.7							
	e sP	Z	01:57:40.0							
	e		02:00:15.8							
	e PP	Z	02:00:47.9							
	e		02:01:04.9							
	e SKS	Z	02:08:04.0							
	e L	Z	02:39:23.7			20.4	1228		5.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14	02:15:26.0	25.487S	178.005E	605D	5.9			NEIC

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPdf	- Z	02:34:05.5			1.5	224			
	i PKPbc	Z	02:34:14.2			0.8	865			

```

e PKPab      Z 02:34:26.6      0.9      388
e pPKPdf     Z 02:36:32.9
i pPKPbc     Z 02:36:39.3
e            02:48:04.9
e            02:51:09.2
e SS         E 02:56:32.9
e sSS        E 03:00:29.4
e SSS        E 03:02:24.1
e SSSS       E 03:06:15.6
GRA1 i PKPdf    - Z 02:34:09.9      153.7    27.8
GRA1 i PKPbc    - Z 02:34:19.3
e PKPab      Z 02:34:35.3
e pPKPbc     Z 02:36:37.1
e (PP)       Z 02:38:25.4
    
```

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/14 03:19:15.3 23.880S 66.646W 167* 5.4 NEIC
 Jujuy Province, Argentina

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 03:32:44.7	100.6	245.4					

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/14

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:48:59.1							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/14 10:46:47.9 69.860N 14.040W 10.0G 5.0 SZGRF
 2000/06/14 10:46:39.4 70.903N 13.414W 10G 4.4 NEIC
 Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 10:51:57.6	24.1	340.5	0.9	40	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/14 14:11:07.1 46.585N 152.589E 33N 5.3 4.7 NEIC
 Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	i P	+ Z	14:23:06.3	78.1	26.0	0.9	247	6.3	
	e L	Z	14:57:38.0			22.0	540	4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14	16:02:19.0	34.330N	61.480E	49.8	4.6			SZGRF
2000/06/14	16:03:38.7	40.260N	51.641E	33N	4.9	4.0		NEIC

Northwestern Afghanistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 16:09:44.6	29.7	92.9	1.0	14	4.6		
	i pP	- Z 16:09:57.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14	17:00:48.3	4.656N	127.570E	88D	6.0			NEIC

Talau Islands, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i Pdiff	+ Z 17:14:30.8			1.5	42			
	e pPdiff	Z 17:14:55.8							
	e PP	Z 17:18:39.6							
	e pPP	Z 17:19:19.3							
	e SKSac	E 17:25:00.2							
	e Sdiff	N 17:26:04.2							
	e PS	Z 17:27:21.4							
	e pPS	Z 17:28:07.9							
	e PKKPbc	Z 17:30:39.8							
	e SS	E 17:33:01.9							
	e LV	Z 17:49:36.4							
	e L	Z 18:03:12.7			22.0	4176		5.9	
GRA1	i P	+ Z 17:14:39.1	103.0	66.4					
	e pP	Z 17:15:03.6							
	e sP	Z 17:15:23.3							
	e	17:18:01.0							
	e PP	Z 17:18:52.4							
	e PKKP	Z 17:30:35.0							
	e	17:30:56.9							
	e L	Z 18:05:08.9			19.3	3107		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:22:59.0							

e PP	Z	21:26:32.7									
e L	Z	21:52:02.1			18.3		535			5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/14											
	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e PKPdf	- Z	21:52:53.0							
		e PKPbc	Z	21:52:57.4							
		e PKPab	Z	21:53:01.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/14											
	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e PKP	Z	22:55:53.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/15	03:03:23.4	59.209N	151.788W	46	4.8			NEIC			
Kodiak Island, Alaska, United States, region											
	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	i P	+ Z	03:14:32.2	70.2	350.9	1.2	26	5.2		
		e		03:14:34.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/15											
	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e PKP	Z	03:47:31.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/15	04:46:22.8	3.626S	152.898E	181D	5.0			NEIC			
New Ireland, Papua New Guinea, region											
	Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	i PKPdf	- Z	05:05:00.8	123.7	48.1					

GRA1 e P Z 20:35:45.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/15	20:32:30.7	34.730N	20.050E	33.0N	4.8	3.7		SZGRF
2000/06/15	21:30:28.8	34.375N	20.067E	10G	5.3	4.1		NEIC

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:34:04.1	15.2	159.6					
	e S	Z 21:37:06.0							
	e L	Z 21:40:44.0			20.2	426		3.6	
FUR	e P	Z 21:34:05.0	15.3	151.4	1.8	176			
	e S	Z 21:37:18.0							
	e L	Z 21:41:36.2			20.9	847		3.9	
WET	e P	Z 21:34:10.1	15.7	157.6	1.2	58			
	e S	Z 21:37:16.7							
	e L	Z 21:40:58.1			21.7	681		3.8	
BFO	e P	Z 21:34:21.5	16.5	143.7	1.1	148	5.0		
	e S	Z 21:37:31.4							
	e L	Z 21:43:58.2			18.8	400		3.6	
STU	e P	Z 21:34:22.3	16.5	146.7	1.3	140			
	e S	Z 21:37:32.1							
	e L	Z 21:41:53.0			21.6	595		3.7	
GRA1	e P	Z 21:34:22.3	16.6	153.7					
	e S	Z 21:37:35.0							
	e L	Z 21:42:39.9			21.3	487		3.7	
BRG	e P	Z 21:34:29.3	17.1	162.6	1.0	35	4.4		
	e S	Z 21:37:50.2							
	e L	Z 21:42:51.5			20.8	468		3.7	
MOX	e P	Z 21:34:33.2	17.4	156.1					
	e S	Z 21:37:51.5							
	e L	Z 21:42:10.1			22.0	404		3.6	
CLL	e P	Z 21:34:37.4	17.7	160.5					
	e S	Z 21:37:58.9							
	e L	Z 21:41:48.8			21.4	513		3.7	
TNS	e P	Z 21:34:42.4	18.0	147.4					
	e S	Z 21:38:08.2							
	e L	Z 21:42:48.0			21.3	578		3.8	
RUE	e P	Z 21:34:49.8	18.7	163.6	1.2	130			
	e S	Z 21:38:21.0							
	e L	Z 21:44:01.0			20.0	424		3.7	
CLZ	e P	Z 21:34:51.8	18.8	154.5	1.0	63	4.7		
	e S	Z 21:38:25.0							
	e L	Z 21:43:05.4			21.3	354		3.6	
BUG	e P	Z 21:35:00.4	19.4	146.6	1.1	140	5.1		
	e S	Z 21:38:33.0							
	e L	Z 21:43:53.1			21.9	502		3.8	

IBBN	e P	Z	21:35:04.8	20.0	149.0	0.9	31		
	e S	Z	21:38:39.1						
	e L	Z	21:44:32.0			20.7	424	3.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	02:35: 3.6	46.110N	15.870E	10.0G			3.9	SZGRF

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	02:35:51.6	3.1	151.0					3.4
	e Pg	Z	02:36:01.8							
	e Sg	E	02:36:41.7							
WET	e Pn	Z	02:35:58.5	3.6	145.3					3.8
	e Pg	Z	02:36:09.7							
	e Sn	N	02:36:43.1							
	e Sg	N	02:36:59.5							
FUR	e Pn	Z	02:35:58.6	3.7	121.6					3.9
	e Pg	Z	02:36:12.3							
	e Sn	E	02:36:44.6							
	e Sg	E	02:37:02.7							
GRA1	e Pg	Z	02:36:32.5	4.7	137.2					4.1
	e Sn	N	02:37:06.5							
	e Sg	E	02:37:35.3							
BRG	e Sg	E	02:37:34.4	4.9	164.3					3.8
MOX	e Sn	N	02:37:23.2	5.3	146.5					3.9
	e Sg	E	02:37:54.8							
CLL	e Sn	N	02:37:27.8	5.5	158.9					4.3
	e Sg	E	02:37:57.7							
BFO	e Pg	Z	02:36:45.2	5.6	110.6					
TNS	e Sn	E	02:37:46.2	6.4	126.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	03:33:28.2			G			4.2	SZGRF
2000/06/16	03:33:28.2	42.880N	16.340E	10G				NEIC

Adriatic Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	03:35:00.9	6.2	161.9					3.7
	e Sn	Z	03:36:11.5							
WET	e Pn	Z	03:35:07.3	6.7	157.7					4.1
	e Sn	N	03:36:23.6							
GRA1	e Pn	Z	03:35:21.2	7.7	150.7					4.6
	e Sg	E	03:37:23.4							
BFO	e Pn	Z	03:35:26.4	7.8	131.3					4.2
	e Sg	N	03:37:44.7							

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MOX	e Pn	Z	03:35:30.6	8.4	155.6							4.3
	e Sn	N	03:37:03.9									
CLL	e Sn	N	03:37:17.3	8.7	163.7							4.4
TNS	e Pn	Z	03:35:42.3	9.1	140.6							
	e Sn	N	03:37:22.0									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 08:05:09.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	07:55:35.2	33.926S	70.100W	120D	6.4			NEIC
Chile-Argentina border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pdiff	Z 08:09:57.3			11.9	280			
	e pPdiff	Z 08:10:29.3							
	i PKPpdf	+ Z 08:13:57.4			1.3	48			
	e PP	Z 08:14:34.7							
	e pPP	Z 08:15:03.6							
	e SKSac	E 08:20:27.2							
	e SKKSac	E 08:21:28.9							
	e Sdiff	N 08:21:58.1							
	e SP	Z 08:23:55.4							
	i PKKPbc	Z 08:24:53.5			1.1	25			
	e PKKPab	Z 08:25:01.2			1.3	49			
	e SS	N 08:30:03.5							
	e SSS	E 08:34:03.8							
	e LV	Z 08:48:04.6							
	e L	Z 09:02:45.7			20.0	2881		5.9	
GRA1	e Pdiff	Z 08:09:55.7	110.2	240.9					
	e PKPpdf	Z 08:13:56.2							
	e PP	Z 08:14:11.5							
	e	08:17:25.1							
	e SKSac	Z 08:20:20.0							
	e PS	Z 08:23:44.4							
	e PKKPbc	Z 08:24:58.6							
	e PKKPab	Z 08:25:09.3							
	e L	Z 09:00:08.5			22.0	2117		5.7	

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	17:59: 6.6	7.830S	13.030W	19.0	5.1	4.9		SZGRF
2000/06/16	17:59:03.7	7.960S	13.306W	10G	5.2	5.0		NEIC

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 18:09:21.0	61.5	207.9	1.5	44	5.1		
	e pP	Z 18:09:26.3							
	e L	Z 18:36:04.5			18.8	880		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	18:18: 6.2	7.140S	12.700W	14.9		4.8		SZGRF
2000/06/16	18:17:58.9	7.760S	13.442W	10G	4.7	4.9		NEIC

Ascension Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:28:16.1	61.3	208.1					
	e pP	Z 18:28:20.2							
	e L	Z 18:54:59.5			18.8	637		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	20:23:33.8	28.631S	178.604W	222D	5.3			NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i PKPdf	+ Z 20:43:00.8			1.6	26			
	i PKPbc	Z 20:43:11.6			1.4	33			
	i PKPab	- Z 20:43:29.7			1.3	34			
	i pPKPdf	Z 20:44:07.6							
	i pPKPbc	Z 20:44:14.8							
	i pPKPab	Z 20:44:26.0							
GRA1	e PKPdf	Z 20:43:02.5	157.6	23.2					
	e PKPab	Z 20:43:38.7							
	e pPKPdf	Z 20:44:32.2							
	e pPKPab	Z 20:45:03.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	21:23:13.6	9.729N	57.934E	10G	5.1	4.5		NEIC

Carlsberg Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:32:50.1	55.5	119.5	1.3	40	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16	23:33:49.6	51.359N	178.371W	33N	4.9	4.2		NEIC

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	+ Z 23:45:51.4	78.6	6.1	1.2	37	5.3		
	e	23:45:56.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:56:51.0							
	e	23:56:53.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	02:47:30.8	21.737N	142.928E	288D	4.9			NEIC

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:00:30.7	96.7	44.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	08:01:27.1			N		3.8		SZGRF

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e S	Z 08:12:41.7							
BRG	e P	Z 08:07:30.4							
	e S	Z 08:13:40.5							
BUG	e S	Z 08:13:11.1							
CLL	e P	Z 08:07:30.4							
	e S	Z 08:13:40.5							
CLZ	e P	Z 08:07:24.5							
	e S	Z 08:13:30.7							
GRA1	e P	Z 08:07:15.6							
	e PP	Z 08:08:41.1							
	e S	Z 08:13:09.2							
	e L	E 08:24:19.5			34.4	369		3.8	
IBBN	e S	Z 08:13:22.9							

MOX	e P	Z	08:07:26.5
	e S	Z	08:13:28.7
TNS	e S	Z	08:13:03.3
WET	e S	Z	08:13:13.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	10:44:51.0	7.966S	156.194E	33N	4.9	4.0		NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 11:03:59.4	129.1	47.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	11:41: 7.1	35.350N	25.510E	33.0N	4.4	3.2		SZGRF

Crete, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:45:12.0	17.7	138.6	1.9	57	4.4		
	e L	Z 11:52:32.1			20.7	138		3.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	12:26:28.3	63.260N	21.750W	33.0N	6.1	6.5		SZGRF
2000/06/17	15:40:41.5	64.029N	20.396W	10G	5.7	6.6		NEIC

Iceland region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z 15:44:58.4	18.7	319.8					
	e S	Z 15:48:37.5							
	e L	Z 15:51:45.1			21.6	110805		6.1	
BUG	e P	Z 15:45:04.4	19.1	321.7					
	e S	Z 15:48:47.6							
	e L	Z 15:52:21.6			20.4	247367		6.5	
RGN	e P	Z 15:45:09.3	19.3	312.8					
	e S	Z 15:48:54.8							
	e L	Z 15:53:04.8			18.1	376690		6.8	
CLZ	e P	Z 15:45:16.1	20.1	319.2					
	e S	Z 15:49:07.4							
	e L	Z 15:52:52.8			22.0	146206		6.3	
TNS	e P	Z 15:45:21.8	20.6	323.0					
	e S	Z 15:49:17.3							
	e L	Z 15:53:57.9			18.6	340909		6.8	
MOX	e P	Z 15:45:31.5	21.5	320.6					
	e S	Z 15:49:25.8							

	e L	Z	15:54:40.1			18.8	160597	6.5	
CLL	e P	Z	15:45:31.8	21.5	318.9				
	e S	Z	15:49:42.4						
	e L	Z	15:53:59.4			21.0	155881	6.4	
STU	e P	Z	15:45:37.8	22.0	324.8				
	e S	Z	15:49:44.8						
	e L	Z	15:54:10.1			20.8	311255	6.7	
BFO	e P	Z	15:45:38.0	22.0	325.9				
	e S	Z	15:49:47.2						
	e L	Z	15:53:58.9			21.7	149051	6.4	
GRA1	e P	Z	15:45:38.3	22.1	322.3	1.6	1140	6.1	
	e S	Z	15:49:53.3						
	e L	Z	15:53:53.4			21.5	87867	6.2	
BRG	e P	Z	15:45:39.6	22.2	319.3				
	e S	Z	15:49:55.2						
	e L	Z	15:54:19.2			21.4	140364	6.4	
WET	e P	Z	15:45:49.5	23.2	322.3				
	e S	Z	15:50:06.2						
	e L	Z	15:54:59.1			20.5	174117	6.5	
FUR	e P	Z	15:45:51.1	23.3	324.5				
	e S	Z	15:50:11.5						
	e L	Z	15:55:41.3			18.1	258747	6.7	
GEC2	e P	Z	15:45:55.5	23.7	322.4				
	e S	Z	15:50:17.7						
	e L	Z	15:55:17.0			20.7	113248	6.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	15:45:23.4	64.500N	24.010W	20.0	5.7			SZGRF
2000/06/17	15:45:28.3	63.833N	22.331W	10G	4.4			NEIC

Iceland region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:50:34.3	22.8	320.9			5.7		
	e pP	Z 15:50:39.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	16:23:59.3			N	3.8			SZGRF

Iceland region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:29:08.0					3.8		
BEAM		16:29:08.0			0.9	3			

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	16:33:19.2				4.7			SZGRF
2000/06/17	16:34:12.8	31.958N	78.403E	33N	4.9			NEIC

Nepal-India border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:43:21.8	51.9	83.3			4.7		
	e pP	Z 16:43:27.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	17:40:11.5				4.7			SZGRF
2000/06/17	17:40:16.9	64.273N	20.576W	10G	4.5	4.4		NEIC

Iceland

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:45:15.3	22.2	322.8			4.7		
	e pP	Z 17:45:22.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/17	22:29:37.1			N	4.1			SZGRF

Crete, Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:33:45.3					4.1		
BEAM		22:33:45.3			1.4	21			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18	00:22: 4.1	45.910N	11.600E	1.0G			2.9	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 00:22:55.2	3.3	206.6					
	e Sg	E 00:23:47.4							
BFO	e Pn	Z 00:22:56.8	3.3	136.2					
	e Sg	E 00:23:48.4							
WET	e Pn	Z 00:22:57.4	3.3	195.4					2.8
	e Sg	E 00:23:51.1							
GRA1	e Pn	Z 00:23:04.6	3.8	176.0					3.1
	e Sg	E 00:24:04.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/18

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:38:44.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 04:57:02.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18	07:42:0.7	44.350N	10.450E	1.0G		3.6	5.1	SZGRF
2000/06/18	07:42:06.5	44.791N	10.772E	10G	4.5			NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 07:43:07.8	3.9	153.7					4.9
	e Sg	E 07:44:13.3							
	e L	Z 07:45:37.2			11.2	2133		3.6	
GEC2	e Pn	Z 07:43:16.0	4.5	207.4					
	e L	Z 07:45:21.5			16.4	652		3.1	
WET	e Pn	Z 07:43:17.0	4.6	199.0					5.0
	e Sg	E 07:44:40.1							
	e L	Z 07:45:25.4			11.2	1911		3.7	
GRA1	e Pn	Z 07:43:21.2	4.9	183.7					5.2
	e Sg	E 07:44:52.0							
	e L	Z 07:45:30.6			15.8	1969		3.6	
TNS	e Pn	Z 07:43:31.7	5.7	163.0					4.9
	e L	Z 07:46:04.7			17.5	1929		3.6	
MOX	e Pn	Z 07:43:33.6	5.9	185.9					5.0
	e Sg	N 07:45:24.2							
	e L	Z 07:46:10.0			16.9	1463		3.6	
BRG	e Pn	Z 07:43:42.2	6.4	200.5					5.2
	e L	Z 07:46:40.1			11.9	1738		3.9	
CLL	e Pn	Z 07:43:44.9	6.7	193.7					5.3
	e Sg	E 07:45:49.5							
	e L	Z 07:46:36.2			13.9	1860		3.8	
CLZ	e L	Z 07:46:20.5	7.1	177.7	17.4	1716		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18	10:46:27.9			G			3.3	SZGRF
2000/06/18	10:46:16.7	43.527N	10.298E	10G				NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	10:47:33.1	5.0	163.4					3.3
	e Sn	E	10:48:24.0							
GEC2	e Pn	Z	10:47:43.6	5.8	205.1					
	e Sn	E	10:48:39.1							
WET	e Pn	Z	10:47:45.6	5.9	198.5					
	e Sn	N	10:48:43.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18	10:55:30.5	50.250N	170.780W	39.0	4.4	4.3		SZGRF
2000/06/18	10:55:37.6	52.108N	171.258W	33N	4.5	4.2		NEIC

South of Aleutian Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	11:07:36.4	78.2	1.6			4.4		
	e pP	Z	11:07:46.6							
	e (sP)	Z	11:07:53.6							
	e L	Z	11:43:33.8			20.8	130		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/18	14:44:25.5	14.020S	94.730E	33.0N	6.6	7.7		SZGRF
2000/06/18	14:44:12.7	13.962S	97.473E	10G	6.8	7.8		NEIC

South Indian Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	14:57:43.6	96.5	103.9	1.8	519	6.7		
BRG	e P	Z	14:57:45.2	96.8	103.8	1.9	467	6.6		
WET	e P	Z	14:57:46.2	97.0	103.2	1.7	508	6.7		
CLL	i P	+ Z	14:57:47.8			1.2	46	5.9		
	e PP	Z	15:01:48.6			15.3	47659			
	e SKSac	E	15:08:05.6							
	e S	N	15:09:04.8							
	e PS	E	15:10:37.1							
	e PPS	Z	15:11:09.6							
	e PKKP	Z	15:14:31.8			1.5	63			
	e SS	E	15:16:01.0							
	e LV	Z	15:31:02.5							
	e L	Z	15:40:11.9			22.0	333006		7.8	
FUR	e P	Z	14:57:49.4	97.9	102.2	1.0	34	5.8		
RGN	e P	Z	14:57:50.6	98.0	102.9	1.6	466	6.8		
MOX	e P	Z	14:57:51.3	98.2	102.1	1.8	290	6.5		
GRA1	e P	Z	14:57:51.9	98.2	101.9	1.7	374	6.6		

	e PP	Z	15:02:02.4								
	e L	Z	15:41:32.8			21.4	261170		7.7		
CLZ	e P	Z	14:57:55.7	99.2	101.0	1.9	306	6.6			
STU	e P	Z	14:57:56.3	99.3	100.6	2.0	318	6.6			
BFO	e P	Z	14:57:58.5	99.8	100.0	2.1	264	6.6			
TNS	e P	Z	14:58:00.1	100.1	99.8	1.8	184	6.5			
IBBN	e P	Z	14:58:03.4	100.8	98.9	1.8	304	6.7			
BUG	e P	Z	14:58:03.9	101.0	98.7	1.7	165	6.5			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/18 15:37:13.1 65.334N 164.098W 10G 4.7 NEIC
 Eastern Siberia, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	- Z 15:48:04.1	64.9	357.8			4.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/18 20:44:57.7 N 4.8 SZGRF
 2000/06/18 20:45:20.3 14.559N 56.270E 10G 5.2 4.6 NEIC
 Arabian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	- Z 20:54:21.2	50.6	117.6			4.8		
	e	20:54:22.9							
	e	20:54:27.4							
	e	20:54:33.0							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/18

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 22:00:26.4							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/18 22:44:35.6 N 5.3 SZGRF
 Southeast of Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 22:57:19.5					5.3		
ALIGN		22:57:19.5			1.1	17			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	01:49:35.0	4.955S	102.690E	33N	5.2			NEIC
Southern Sumatera, Indonesia								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z	02:02:55.6	94.7	92.1			5.2		
	e		02:03:00.2							
	e (pP)	Z	02:03:10.3							
	e PP	Z	02:06:46.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	01:59:34.2	16.960N	120.331E	33N	5.5	5.2		NEIC
Luzon, Philippine Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	- Z	02:12:19.3			0.8	20	5.5		
	e		02:12:25.4							
	e SKSac	E	02:22:40.7							
	e S	N	02:22:53.7							
	e PS	Z	02:23:50.4							
	e SS	E	02:28:55.2							
	e L	Z	02:58:33.6			18.0	1812		5.5	
GRA1	i P	- Z	02:12:28.3	88.9	64.7			5.4		
	e pP	Z	02:12:35.4							
	e (sP)	Z	02:12:40.7							
	e		02:15:33.7							
	e PP	Z	02:15:59.4							
	e L	Z	02:57:43.9			18.7	2136		5.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	04:39:50.1	20.669S	178.737W	618D	4.6			NEIC
Fiji Islands region								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z	04:58:29.5	149.9	18.8					
	i PKPbc	- Z	04:58:33.6							
	e PKPab	Z	04:58:42.0							
	e pPKPbc	Z	05:00:56.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	09:34:53.9	15.600N	124.960E	115.9	6.1	4.7		SZGRF

2000/06/19 09:34:57.5 14.138N 120.540E 116D 5.7 NEIC
 Philippine Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	+ Z	09:47:43.6			1.1	61	5.8		
	i pP	Z	09:48:12.8							
	e sP	Z	09:48:27.2							
	e S	N	09:58:22.4							
	e sS	N	09:59:10.0							
	e SP	Z	09:59:23.9							
	e PPS	Z	10:00:11.6							
	e SS	N	10:04:23.9							
	e sSS	N	10:05:14.7							
	GRA1	i P	+ Z	09:47:52.4	91.2	66.3			6.1	
e (pP)		Z	09:48:21.3							
e			09:48:32.0							
e (sP)		Z	09:48:36.6							
e PP		Z	09:51:27.5							
e L		Z	10:31:40.9			18.2	242		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	21:56:32.2	26.370N	123.090E	33.8	4.7	4.9		SZGRF
2000/06/19	21:56:23.0	23.808N	121.123E	33N	5.1	4.5		NEIC

Northeast of Taiwan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z	22:08:54.1	83.9	59.9			4.7		
	e pP	Z	22:09:03.9							
	e L	Z	22:50:19.2			19.3	514		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/19	22:40: 3.0	30.050N	73.290E	32.1	5.5	5.2		SZGRF
2000/06/19	22:41:47.8	35.267N	77.466E	33N	5.3	5.1		NEIC

India-Pakistan border region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z	22:50:36.9	49.2	80.7			5.5		
	e		22:50:39.9							
	e (pP)	Z	22:50:45.6							
	e		22:50:59.7							
	e		22:51:10.0							
	e S	Z	22:57:45.4							
	e L	Z	23:13:47.3			19.4	2312		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e P	Z 00:23:26.5					
		e L	Z 01:13:51.4			20.4	376	4.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	BRG	i PKP	+ Z 00:41:19.3					
	CLL	i PKP	+ Z 00:41:18.8					
	CLZ	i PKP	+ Z 00:41:19.3					
	MOX	i PKP	+ Z 00:41:21.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20	01:34:33.1	15.090S	173.580W	33N	4.5			NEIC
Tonga Islands								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	GRA1	e (PKPab)	Z 01:54:09.7	145.2	8.1			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML
	BFO	e Pn	Z 06:19:05.5					2.8
		e Pg	Z 06:19:06.4					
		e Sn	N 06:19:17.5					
		e Sg	N 06:19:18.8					
	TNS	e Pn	Z 06:19:30.8					2.9
		e Sn	N 06:20:03.1					
		e Sg	N 06:20:17.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20	07:40:15.4	22.655S	178.973E	627D	4.6			NEIC
South of Fiji Islands								
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb MS ML

GRA1	e (PKPdf)	Z	07:58:55.7	151.3	24.1
	i PKPbc	- Z	07:59:01.1		
	e PKPab	Z	07:59:12.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20	09:22:26.6	35.354N	77.495E	33N	4.5	3.7		NEIC

Eastern Kashmir

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:31:16.6	49.2	80.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20	11:33:59.5	14.171S	97.634E	10G	5.7	5.6		NEIC

South Indian Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:47:49.2	98.5	101.9					
	e PP	Z 11:51:40.3							
	e L	Z 12:32:21.7			20.7	1572		5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/20	12:54:19.7	4.798S	101.975E	33N	5.0	4.5		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 13:07:39.0	94.1	92.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/21	00:51:41.3	64.300N	22.910W	33.0N	6.0	6.1		SZGRF
2000/06/21	00:51:46.7	63.971N	20.699W	10G	6.1	6.6		NEIC

Iceland

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	i P	+ Z 00:56:05.8	18.7	319.4	2.2	3567	6.2		
BUG	i P	+ Z 00:56:12.1	19.2	321.3	1.2	647	5.7		
RGN	i P	+ Z 00:56:16.6	19.4	312.5	1.5	1039	5.9		
CLZ	i P	+ Z 00:56:23.5	20.2	318.9	1.5	927	5.9		
WLF	i P	+ Z 00:56:24.4	20.2	325.0	1.6	438	5.5		
TNS	i P	+ Z 00:56:28.7	20.6	322.7	1.2	223	5.5		
RUE	i P	+ Z 00:56:33.7	21.1	316.4	1.2	788	6.0		
MOX	i P	+ Z 00:56:38.9	21.6	320.3	1.3	760	6.1		

CLL	i P	+ Z	00:56:39.1	21.6	318.7	1.7	1388	6.2
STU	i P	+ Z	00:56:45.0	22.1	324.5	1.2	980	6.2
BFO	i P	+ Z	00:56:45.0	22.1	325.6	1.2	838	6.1
GRA1	i P	+ Z	00:56:45.4	22.2	322.0	1.4	723	6.0
	e S	E	01:00:55.1					
	e L	Z	01:05:02.0			21.8	69463	6.1
BRG	i P	+ Z	00:56:46.5	22.3	319.0	1.3	430	5.8
WET	i P	+ Z	00:56:56.5	23.2	322.1	1.7	944	6.1
FUR	i P	+ Z	00:56:57.9	23.4	324.2	1.4	909	6.1
GEC2	i P	+ Z	00:57:02.5	23.8	322.1	1.7	491	6.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/21 14:56:24.8 70.824N 13.477W 10G 5.0 4.8 NEIC
 Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z 15:01:41.8	24.0	340.3					
	e pP	Z 15:01:47.8							
	e sP	Z 15:01:52.0							
	e S	N 15:05:55.8							
	e L	Z 15:10:42.1			21.1	1566		4.5	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/21 16:25:06.2 14.170N 144.840E 111D 5.7 NEIC
 Mariana Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e Pdiff	Z 16:38:33.8	100.0	47.5					
	e PP	Z 16:42:51.6							
RUE	e Pdiff	Z 16:38:45.6	101.2	48.2					
	e PP	Z 16:43:01.4							
BRG	e Pdiff	Z 16:38:47.7	102.2	48.6					
	e PP	Z 16:43:06.6							
CLL	e Pdiff	Z 16:38:49.8							
	e sPdiff	Z 16:39:31.2							
	e PP	Z 16:43:05.8			7.3	281			
	e pPP	Z 16:43:29.9							
	e sPP	Z 16:43:43.2							
	e sPPP	Z 16:45:58.8							
	e SKSac	E 16:49:16.1							
	e Sdiff	N 16:50:13.2							
	e SP	Z 16:51:59.4							
	e pSP	Z 16:52:35.8							
	e SS	N 16:57:35.4							
	e SSS	N 17:01:16.0							

	e LV	Z	17:14:00.3								
	e L	Z	17:28:05.7			18.0		1553		5.6	
CLZ	e Pdiff	Z	16:38:53.2	103.1	45.3						
	e PP	Z	16:43:14.1								
MOX	e Pdiff	Z	16:38:52.3	103.4	46.6						
	e PP	Z	16:43:16.2								
GEC2	e Pdiff	Z	16:38:57.8	103.6	48.7						
WET	e Pdiff	Z	16:38:54.0	103.8	47.9						
	e PP	Z	16:43:19.0								
IBBN	e Pdiff	Z	16:38:59.2	103.9	42.9						
	e PP	Z	16:43:21.1								
GRA1	e Pdiff	Z	16:38:57.7	104.2	46.4						
	e		16:42:10.2								
	e		16:42:17.5								
	e PP	Z	16:43:23.7								
	e L	Z	17:27:06.3			22.0		1043		5.3	
GRC4	e Pdiff	Z	16:39:03.2	104.5	46.8						
	e PP	Z	16:43:26.1								
BUG	e Pdiff	Z	16:38:58.8	104.8	42.6						
	e PP	Z	16:43:25.8								
TNS	e Pdiff	Z	16:39:08.5	105.1	43.8						
	e PP	Z	16:43:30.4								
FUR	e Pdiff	Z	16:39:06.6	105.3	46.7						
STU	e Pdiff	Z	16:39:08.6	105.8	44.8						
	e PP	Z	16:43:34.6								
WLF	e Pdiff	Z	16:39:11.7	106.5	41.9						
	e PP	Z	16:43:41.7								
BFO	e Pdiff	Z	16:39:10.1	106.5	44.1						
	e PP	Z	16:43:40.1								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/22	05:42:15.0	86.380N	100.030E	33.0N	4.6			SZGRF

North of Severnaya Zemlya

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:49:50.0	40.4	5.6	1.3	17	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/22								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:40:32.2							
	e pPKP	Z 11:41:12.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/22	11:36:30.8	36.739N	135.518E	33N	4.7			NEIC

Sea of Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:48:42.3	80.6	42.2	0.5	2	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/22	12:16:37.4	43.580N	12.420E	10.0G			4.6	SZGRF
2000/06/22	12:16:30.8	43.233N	12.557E	10G	4.8	3.3		NEIC

Central Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 12:17:48.1	5.0	169.2					
GEC2	e Pn	Z 12:17:57.2	5.7	188.5					4.3
	e Sn	E 12:18:57.5							
BFO	e Pn	Z 12:17:58.7	5.9	148.4					4.5
	e Sn	N 12:19:00.1							
WET	e Pn	Z 12:17:59.4	5.9	182.3					5.0
	e Sn	E 12:19:00.8							
STU	e Pn	Z 12:18:01.7	6.0	155.9					
GRA1	e Pn	Z 12:18:07.4	6.5	171.4					4.8
	e Sn	E 12:19:16.6							
MOX	e Pn	Z 12:18:20.0	7.4	174.7					5.0
	e Sn	N 12:19:37.7							
TNS	e Pn	Z 12:18:21.9	7.5	156.5					4.4
	e Sn	N 12:19:41.1							
BRG	e Pn	Z 12:18:23.1	7.7	187.6					4.5
	e Sn	N 12:19:45.0							
WLF	e Pn	Z 12:18:26.0	7.8	143.2					
CLL	e Pn	Z 12:18:29.3	8.1	182.3					4.6
	e Sn	N 12:19:53.0							
CLZ	e Pn	Z 12:18:38.1	8.7	169.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/22	12:44:04.8	57.062N	163.187E	33N	5.1	4.2		NEIC

Bering Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:55:21.4	70.8	15.7	2.1	59	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/22 18:58: 9.4
2000/06/22 18:57:55.7
North of Ascension Island

4.544S 12.271W 10G 4.9

SZGRF
NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:07:48.7	57.9	208.0	1.3	19	5.0		

Date Origin Time
2000/06/23 01:13:32.3
2000/06/23 01:13:56.3
Eastern Mediterranean Sea

Lat Long Depth mb Ms ML Source
35.439N 31.205E 10 3.8 NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:18:34.5	20.4	126.9					

Date Origin Time
2000/06/23

Lat Long Depth mb Ms ML Source

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:31:01.4							

Date Origin Time
2000/06/23 05:01:54.3
Northern Molucca Sea

Lat Long Depth mb Ms ML Source
1.356N 126.274E 62* 6.1 NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i Pdiff	+ Z 05:15:48.6			1.8	34			
	i	Z 05:15:53.9			1.1	14			
	e PP	Z 05:20:08.2							
	e Sdiff	E 05:27:29.8							
	e SP	Z 05:28:58.5							
	e sSP	Z 05:29:34.8							
	e	Z 05:33:31.3							
	e SS	E 05:34:42.2							
	e L	Z 06:07:59.7			20.0	965		5.3	
	GRA1	e Pdif	Z 05:15:56.3	104.8	69.5				
	e PP	Z 05:20:17.8							
	e SP	Z 05:29:52.3							
	e SS	E 05:35:11.5							
	e L	Z 06:05:41.3			21.9	917		5.3	

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/23	06:15:12.6	30.163N	51.569E	33N	5.0	4.5		NEIC

Northern and central Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:22:11.6	36.0	107.6	1.1	25	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/23	14:15:39.2			N	3.9			SZGRF

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:20:44.5					3.9		
BEAM		14:20:44.5			0.8	3			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:27:11.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
MOX	e P	Z 19:31:13.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/23								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 21:30:45.9							
WET	e P	Z 21:30:53.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/24	00:24:11.4	46.630N	10.240E	10.0G				SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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FUR	e Pg	Z	00:24:40.7	1.7	204.9
	e Sg	N	00:25:04.7		
BFO	e Pn	Z	00:24:46.7	2.1	142.1
	e Sn	N	00:25:14.1		
GEC2	e Pn	Z	00:25:02.5	3.2	227.7
	e Sn	N	00:25:40.4		
MOX	e Sn	N	00:26:02.1	4.1	193.3

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/24

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pg	Z 00:45:43.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/24

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pg	Z 02:45:34.1							
	e Sg	N 02:45:57.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/24

12:37: 5.1

12.350N

52.110E

17.0

5.1

4.3

SZGRF

2000/06/24

12:37:12.2

13.661N

51.519E

10G

5.1

4.4

NEIC

Socotra region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:45:57.6	48.7	123.3	1.1	30	5.1		
	e	12:46:05.5							
	e PP	Z 12:47:53.5							
	e L	Z 13:13:40.6			19.0	277		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/24

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pg	Z 22:00:12.9							
	e Sg	N 22:00:23.0							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/25											
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
	GEC2	e Pg	Z 00:01:01.3								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/25											
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
	GEC2	e Pn	Z 02:27:48.5								
		e Sg	N 02:28:32.1								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/25											
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
	GEC2	e Pg	Z 02:45:13.0								
		e Sg	N 02:45:21.1								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source			
2000/06/25											
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
	GEC2	e Pg	Z 03:45:24.7								
		e Sg	N 03:45:42.9								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/25	06:34:47.7	31.790N	132.930E	42.3	5.8	6.6		SZGRF
2000/06/25	06:34:43.3	31.311N	131.152E	10G	5.8	5.7		NEIC

Southeast of Shikoku, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 06:46:55.5	80.0	50.4	1.6	178	5.8		
BSEG	e P	Z 06:46:59.0	80.7	48.0	1.4	104	5.7		
BRG	e P	Z 06:47:01.2	81.0	50.3	1.9	132	5.7		
CLL	i P	+ Z 06:47:01.7			1.6	151	5.9		
	e pP	Z 06:47:13.1							
	e PP	Z 06:50:05.0							
	e PPPP	Z 06:53:32.9							
	e S	E 06:57:12.7							

	e PS	Z	06:58:10.4							
	e SS	E	07:02:40.7							
	e L	Z	07:27:10.1			20.0	36779		6.7	
CLZ	e P	Z	06:47:06.9	82.0	47.8	1.4	140	6.0		
MOX	e P	Z	06:47:07.3	82.3	48.6	2.0	205	6.0		
GEC2	e P	Z	06:47:08.3	82.4	49.9	2.1	90	5.6		
IBBN	e P	Z	06:47:10.2	82.9	46.0	1.4	180	5.6		
GRA1	i P	Z	06:47:11.6	83.1	48.2	1.5	98	5.8		
	e pP	Z	06:47:23.8							
	e PP	Z	06:50:27.9							
	e S	E	06:57:27.1							
	e SS	E	07:02:58.0							
	e L	Z	07:28:36.5			20.1	28568		6.6	
BUG	e P	Z	06:47:14.4	83.7	45.5	1.4	109	5.9		
TNS	e P	Z	06:47:17.0	84.0	46.3	1.5	134	6.0		
FUR	e P	Z	06:47:17.2	84.1	48.1	1.1	54	5.7		
STU	e P	Z	06:47:20.0	84.7	46.7	1.2	109	6.0		
BFO	e P	Z	06:47:23.5	85.4	46.1	1.4	102	5.8		
WLF	e P	Z	06:47:24.3	85.5	44.6	1.3	76	5.7		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/25 09:39:32.4 44.550N 11.230E 10.0G 2.9 SZGRF
 Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 09:40:38.7	4.3	151.1					
	e Sn	N 09:41:25.9							
GEC2	e Pn	Z 09:40:41.1	4.6	202.4					2.9
	e Sn	N 09:41:35.4							
GRA1	e Sn	N 09:41:46.7	5.1	179.9					
MOX	e Pn	Z 09:41:01.5	6.1	182.6					
	e Sn	N 09:42:09.0							
BRG	e Pn	Z 09:41:08.7	6.6	197.1					
CLL	e Pn	Z 09:41:12.0	6.9	190.6					

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/06/25 20:24:54.0 44.150N 13.140E 10.0G 3.5 SZGRF
 Adriatic Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 20:26:05.1	4.7	184.9					3.3
	e Sn	N 20:26:59.0							
BFO	e Pn	Z 20:26:13.8	5.3	139.7					3.4
	e Sn	N 20:27:13.5							

GRA1	e Pn	Z	20:26:17.3	5.7	166.0							3.6
	e Sn	N	20:27:20.9									
MOX	e Pn	Z	20:26:29.8	6.6	170.4							3.8
	e Sn	N	20:27:42.1									
BRG	e Pn	Z	20:26:32.5	6.7	184.9							3.4
	e Sn	N	20:27:46.0									
TNS	e Pn	Z	20:26:33.7	6.9	150.5							3.8
	e Sn	N	20:27:49.2									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/06/25												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GEC2	e Pg	Z 21:15:04.4									
		e Sn	N 21:16:06.5									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/06/25												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GEC2	e Pg	Z 21:45:57.1									
		e Sg	N 21:46:00.3									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/06/26												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GEC2	e Pg	Z 02:15:24.3									
		e Sg	Z 02:15:41.2									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/06/26												
	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML		
	GEC2	e Pg	Z 02:45:37.6									
		e Sg	N 02:46:02.8									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/26	03:54:53.4	6.590N	84.406W	33N	4.8	4.6		NEIC

Off coast of central America

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:07:49.1	88.6	278.5			4.8		
	e L	Z 04:42:27.0			20.4	239		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/26	09:08:00.7	54.193N	162.459W	44	4.3			NEIC

South of Alaska

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 09:19:46.9	76.0	356.2			4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/26								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e Pg	Z 09:30:16.6							
	e Sg	N 09:30:29.9							
MOX	e Pg	Z 09:30:20.9							
	e Sg	N 09:30:36.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/27	04:07:56.1	40.936N	10.093E	10G	4.3			NEIC

Tyrrhenian Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 04:09:47.5	7.5	169.7					
GEC2	e Pn	Z 04:09:56.8	8.3	199.2					
GRA1	e Pn	Z 04:10:06.7	8.8	185.6					
	e L	Z 04:14:19.0			14.6	364		3.3	
TNS	e Pn	Z 04:10:15.1	9.4	172.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/27	05:25:11.6	33.730N	141.940E	10.0G	4.9	4.4		SZGRF
2000/06/27	05:25:15.0	34.442N	139.474E	10G	4.4			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:37:51.6	84.2	40.6			4.9		
	e L	Z 05:58:28.0			19.5	159		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/27	06:11: 8.0	34.620N	141.460E	24.0	5.1	4.6		SZGRF
2000/06/27	06:11:00.9	34.023N	139.630E	10G	4.8			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 06:23:41.2	84.6	40.7			5.1		
	e pP	Z 06:23:48.1							
GRFO	e L	Z 07:04:12.7	84.6	40.7	18.4	237		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/27	07:32:35.3	42.070N	12.950E	10.0G		3.4	4.3	SZGRF
2000/06/27	07:32:31.7	41.945N	12.975E	10G	4.5			NEIC

Central Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 07:34:14.7	6.9	184.5					
	e Sn	E 07:35:29.3							
	e L	Z 07:37:27.4			19.5	345		2.9	
GRC1	e L	Z 07:37:35.9	7.1	171.2	16.6	948		3.5	
BFO	e Pn	Z 07:34:17.5	7.2	151.2					4.3
	e Sn	N 07:35:34.7							
	e L	Z 07:37:38.7			15.8	669		3.3	
GRA1	e L	Z 07:38:16.2	7.8	170.4	15.3	1144		3.6	
MOX	e Pn	Z 07:34:37.4	8.7	173.3					
	e Sn	N 07:36:13.3							
	e L	Z 07:38:44.3			16.3	938		3.6	
TNS	e Pn	Z 07:34:39.7	8.8	157.6					
BRG	e Sn	E 07:36:15.6	9.0	184.6					
	e L	Z 07:38:48.1			18.0	462		3.3	
CLL	e Pn	Z 07:34:46.7	9.4	180.1					
	e L	Z 07:39:00.3			16.8	530		3.4	
CLZ	e Pn	Z 07:34:59.2	10.1	168.8					
	e L	Z 07:39:43.4			16.0	850		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/27	11:37:05.6	7.063S	125.870E	493D	5.3			NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i PKPdf	+ Z 11:54:39.5	109.2	77.2					
	e sPKPdf	Z 11:57:28.0							

GRA1	e P	Z	02:21:42.4	84.6	40.5					4.6
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	03:14:45.0	34.111N	139.199E	10G	4.9	4.1		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	- Z 03:27:21.5	84.4	41.0			5.0		
	e pP	Z 03:27:27.7							
	e	03:27:38.5							
	e L	Z 04:11:26.5			19.9	113		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	03:40: 7.5				4.8			SZGRF
2000/06/28	03:40:12.1	34.780N	140.090E	10G	4.4			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:52:46.1	84.2	40.0			4.8		
	e pP	Z 03:52:55.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	05:12:04.3	4.505S	101.930E	33N	5.0	4.5		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:25:21.8	93.9	92.4			4.9		
	e	05:25:29.6							
	e L	Z 06:14:30.3			18.1	181		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	06:38:15.1	34.140N	139.469E	10G	4.5			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:50:51.1	84.5	40.8			4.7		
	e	06:50:55.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/28 09:25:47.7 34.289N 139.448E 10G 4.7 4.7 NEIC
Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:38:29.3	84.3	40.7					
	e	09:38:38.7							

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/28 16:15:19.9 34.318N 139.500E 10G 4.8 4.5 NEIC
Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:27:55.8	84.3	40.7			4.8		
	e	16:28:05.5							

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/28 16:21:24.3 34.441N 139.286E 10G 4.7 4.2 NEIC
Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:33:58.7	84.1	40.7			4.7		

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/28 17:03:47.4 5.079S 68.256E 10G 4.7 NEIC
Chagos Archipelago region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:15:30.5	73.6	119.4			4.8		

Date Origin Time Lat Long Depth mb Ms ML Source
2000/06/28 19:50:52.7 58.657N 149.865W 16 5.0 4.4 NEIC
Gulf of Alaska

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	+ Z 20:01:59.5			1.0	16	5.2		
	e	20:02:07.1							
	e PcP	Z 20:02:21.9							
	e PP	Z 20:04:38.0							
	e S	E 20:11:05.0							
	e ScS	N 20:11:58.2							

	e SSS	Z	20:19:07.6								
	e LV	Z	20:24:11.6								
	e L	Z	20:44:46.1			20.0	243		4.4		
GRA1	i P	+ Z	20:02:08.8	70.6	349.7				5.2		
	e L	Z	20:34:03.8			21.7	171		4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	21:37:52.8			N	4.9			SZGRF

Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:50:23.2					4.9		
BEAM		21:50:23.2			0.9	7			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	22:42:1.0			N	4.8	4.4		SZGRF

Mongolia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:51:56.9					4.8		
ALIGN		22:51:56.9			0.9	8			
GRA1	e L	Z 23:11:47.3			18.1	235		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/28	23:50:43.2	33.520N	142.220E	33.0N	5.0			SZGRF
2000/06/28	23:50:45.2	34.218N	139.412E	10G	4.5			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:03:21.3	84.4	40.8	1.5	19	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	01:12:03.5	44.896N	28.075W	10G	4.5			NEIC

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z 01:17:45.6	26.8	274.9	1.8	21	4.6		
	e S	E 01:22:22.2							
	e L	Z 01:27:18.3			20.2	284		3.8	

GRA1	e P	Z	03:24:27.1	84.3	40.9	1.0	15	5.2
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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	03:17:59.8			N	4.7			SZGRF
2000/06/29	03:18:01.8	33.906N	139.329E	10G	4.5			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:30:38.5	84.6	41.0			4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	03:34:26.7	34.332N	139.136E	10G	5.2	4.8		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	+ Z 03:47:01.0	84.2	40.9	1.1	32	5.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	03:44:43.2			N	4.6			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:54:35.4			0.9	6	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	04:02:45.4	34.860N	140.600E	33.0N	5.1	5.3		SZGRF
2000/06/29	04:02:40.0	34.553N	139.832E	10G	5.0	5.0		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:15:14.4	84.3	40.3			5.1		
	e L	Z 04:55:48.6			18.4	1252		5.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	04:53:40.2	35.890N	139.430E	33.0N				SZGRF
2000/06/29	04:53:26.4	34.088N	139.366E	10G	5.0			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 05:06:02.1 84.5 40.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	05:55: 3.0	34.510N	140.840E	33.0N		4.6		SZGRF
2000/06/29	05:54:56.6	34.239N	139.723E	10G	4.8	4.7		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (P)	Z 06:07:34.0	84.5	40.5					
	e L	Z 06:47:54.6			20.9	252		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	06:30:21.5	33.370N	141.630E	33.0N		5.6		SZGRF
2000/06/29	06:30:22.0	34.010N	139.355E	10G	5.4	5.2		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:42:59.1	84.5	40.9					
	e L	Z 07:28:37.2			18.7	2065		5.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	09:53:23.5	33.960N	145.070E	33.0N	5.3	4.6		SZGRF
2000/06/29	09:53:26.2	34.297N	139.732E	10G	4.9	4.3		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:06:05.4	84.4	40.5	0.8	20	5.3		
	e L	Z 10:48:03.6			19.2	229		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	13:07:55.3	33.850N	142.680E	33.0N		4.5		SZGRF
2000/06/29	13:07:58.5	34.627N	139.509E	10G	4.8	4.1		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:20:32.9	84.1	40.5					
	e L	Z 14:01:04.4			18.7	182		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/06/29

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:19:08.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	15:52:03.9	34.134N	139.304E	10G	4.6			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:04:44.2	84.4	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	16:04:00.5	34.302N	139.193E	10G	4.8			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:16:35.3	84.2	40.9	0.8	15	5.3		
	e L	Z 17:01:45.7			19.9	211		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/29	16:13:52.6	32.940N	141.780E	33.0N				SZGRF
2000/06/29	16:13:56.0	34.096N	139.305E	10G	4.7			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:26:32.4	84.4	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/30	01:37:54.7	70.230N	10.460W	33.0G	4.5			SZGRF
2000/06/30	01:37:42.3	71.366N	9.707W	10G	4.4			NEIC

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:42:56.5	23.7	343.5	1.4	25	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/30	09:54:00.5	34.104N	139.262E	10G	4.5			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:06:38.7	84.4	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/30	11:42:52.4			G				SZGRF
2000/06/30	11:42:50.8	34.368N	139.598E	10G	4.9			NEIC

West of Bonin Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:55:30.1	84.3	40.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/30	17:41:30.7	35.570N	140.230E	33.0G	5.1	4.7		SZGRF
2000/06/30	17:41:15.9	34.037N	139.070E	10G	4.8	4.3		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:53:55.9	84.4	41.1	1.5	18	5.1		
	e L	Z 18:35:54.5			18.2	294		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/06/30	20:33:41.1	37.422N	141.497E	33N	5.1	4.7		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	i P	+ Z 20:45:52.6			1.0	37	5.5		
	i	20:46:05.1							
	e PP	Z 20:48:59.9							
	e S	E 20:55:50.9							
	e LV	Z 21:12:58.1							
	e L	Z 21:24:35.0			20.0	822		5.1	
GRA1	i P	Z 20:46:03.6	82.5	37.7	1.0	18	5.3		
	e pP	Z 20:46:11.4							
	e sP	Z 20:46:15.8							
	e S	N 20:56:27.4							
	e L	Z 21:27:22.1			18.9	606		5.0	

Format description

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(K. Klinge, 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. Additional to primary phases we intent to report secondary phases with common interest from stronger events (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