

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

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

AUGUST 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		
2000/08/01	02:34:25.8	43.570N	12.930E	10.0G			4.9	SZGRF		
2000/08/01	02:34:30.2	43.989N	12.319E	10G	4.4			NEIC		
Central Italy										
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	02:35:37.2	4.2	169.8					
GEC2	e Pn	Z	02:35:45.9	4.9	191.6					4.6
	e Sn	N	02:36:42.7							
	e Sg	N	02:37:14.9							
BFO	e Pn	Z	02:35:49.3	5.1	146.1					4.7
	e Sg	E	02:37:29.7							
WET	e Pn	Z	02:35:48.5	5.2	184.5					4.5
	e Sg	E	02:37:21.6							
STU	e Pn	Z	02:35:50.2	5.2	154.6					
GRA1	e Pn	Z	02:35:56.9	5.8	172.1					5.2
	e Sg	N	02:37:42.7							
MOX	e Pn	Z	02:36:08.6	6.7	175.6					5.0
	e Sg	E	02:38:12.1							
TNS	e Pn	Z	02:36:11.3	6.8	155.6					
BRG	e Pn	Z	02:36:12.8	7.0	189.7					
CLL	e Pn	Z	02:36:17.8	7.3	183.9					5.1
	e Sg	E	02:38:32.3							
CLZ	e Pn	Z	02:36:27.5	8.0	169.8					5.0
	e Sg	N	02:38:53.6							
Azores Islands, Portugal										
Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source		
2000/08/01	04:35:45.5	38.845N	28.990W	10G	5.0	4.5		NEIC		
Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML

GRA1	e P	Z	04:42:00.6	30.3	264.6				
	e L	Z	04:52:03.2			20.1	812		4.4
BFO	e P	Z	04:41:43.3			1.3	22	4.8	
	e S	E	04:46:28.6						
	e L	Z	04:50:42.3			20.0	556		4.2
BRG	e P	Z	04:42:15.6			1.9	24	4.8	
	e PP	Z	04:43:14.9						
	e S	E	04:47:31.1						
	e L	Z	04:54:05.2			22.0	1539		4.6
BSEG	e P	Z	04:42:00.4			1.2	29	5.1	
	e PP	Z	04:42:51.9						
	e S	E	04:47:03.1						
	e L	Z	04:52:56.4			20.0	1124		4.5
BUG	e S	E	04:46:25.0						
	e L	Z	04:51:05.7			18.0	1542		4.6
CLL	e P	Z	04:42:12.0						
	e PP	Z	04:43:09.2						
	e S	E	04:47:15.8						
	e L	Z	04:53:03.2			18.0	1052		4.6
CLZ	e P	Z	04:41:57.5			1.8	22	4.7	
	e PP	Z	04:42:50.9						
	e S	E	04:46:59.2						
	e L	Z	04:52:27.2			18.0	1078		4.5
FUR	e PP	Z	04:42:51.4						
	e S	E	04:47:05.5						
	e L	Z	04:52:59.3			20.0	658		4.3
MOX	e P	Z	04:42:04.1			2.5	54	5.0	
	e PP	Z	04:42:55.5						
	e S	E	04:47:07.3						
	e L	Z	04:52:23.4			20.0	1475		4.6
RGN	e PP	Z	04:43:22.0						
	e S	N	04:47:34.8						
	e L	Z	04:54:35.9			18.0	1506		4.7
STU	e PP	Z	04:42:31.9						
	e S	N	04:46:38.0						
	e L	Z	04:51:33.0			18.0	766		4.4
TNS	e P	Z	04:41:47.7			2.0	35	4.8	
	e PP	Z	04:42:18.7						
	e S	E	04:46:40.1						
	e L	Z	04:51:09.1			22.0	1294		4.5
WET	e P	Z	04:42:11.6			2.0	18	4.6	
	e PP	Z	04:43:05.4						
	e S	E	04:47:19.6						
	e L	Z	04:52:47.5			20.0	512		4.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/01	05:54:41.6	6.114S	151.532E	49D	5.1	4.5		NEIC
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 06:13:39.1	125.2	51.0					
	e pPKPdf	Z 06:13:54.5							
	e L	N 07:08:42.0			21.9	93		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/01	07:10:46.6	14.938N	122.146E	33N	5.3	4.9		NEIC

Luzon, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:24:07.4	91.5	64.5			5.3		
	e PP	Z 07:27:44.2							
	e S	N 07:34:49.9							
	e L	Z 08:08:43.5			21.5	339		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/01	08:21: 5.9	48.800N	157.800E	33.0N	5.3			SZGRF
2000/08/01	08:21:26.3	50.105N	157.301E	33N	4.5			NEIC

South of Aleutian Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:33:14.7	77.7	21.8	0.9	22	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/01	09:21:37.1	16.731S	174.235E	33N	5.4	5.3		NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 09:41:11.2	144.3	28.6					
	e SS	N 10:03:10.3							
	e L	Z 10:45:57.6			20.5	628		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/01	10:18:58.5	4.230N	94.620E	39.8	5.2			SZGRF
2000/08/01	10:19:00.7	4.206N	93.182E	33N	5.3	5.0		NEIC

Off west coast of northern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:31:17.7	81.6	93.4			5.2		
	e pP	Z 10:31:28.7							

	e sP	Z	10:31:34.4							
BRG	i P	- Z	10:31:08.7	81.0	92.9	1.6	40	5.2		
	e		10:31:19.3			1.0	48			
	e		10:31:25.4							
CLL	i P	- Z	10:31:11.5	81.6	92.2	1.2	16	5.0		
	e		10:31:22.0			1.1	42			
	e		10:31:27.2							
WET	i P	- Z	10:31:11.5	81.6	91.8	1.6	45	5.3		
	e		10:31:22.1			1.3	66			
	e		10:31:28.1							
MOX	i P	Z	10:31:16.2	82.4	91.0	1.7	39	5.3		
	e		10:31:26.9			0.8	333			
FUR	i P	Z	10:31:17.1	82.6	90.4					
	e		10:31:27.4			1.0	69			
	e		10:31:32.8							
CLZ	i P	Z	10:31:20.5	83.2	90.2	1.4	27	5.3		
	e		10:31:31.3			1.0	50			
	e		10:31:37.0							
BSEG	i P	Z	10:31:19.1	83.3	90.4	1.2	26	5.3		
	e		10:31:29.9			1.0	61			
	e		10:31:36.3							
STU	e P	Z	10:31:24.1	84.0	89.0					
TNS	i P	- Z	10:31:26.7	84.5	88.5	1.0	15	5.2		
	e		10:31:37.4			1.0	55			
	e		10:31:43.4							
BFO	i P	- Z	10:31:26.4	84.6	88.3	2.2	40	5.3		
	e		10:31:37.3			1.1	34			
	e		10:31:43.3							
IBBN	i P	- Z	10:31:28.9	84.8	88.2					
	e		10:31:40.1			1.2	72			
	e		10:31:46.1							
BUG	i P	- Z	10:31:30.3	85.2	87.7	1.4	42	5.5		
	e		10:31:41.4			0.9	51			

Date 2000/08/01 Origin Time 18:17:31.4 Lat 21.470S Long 169.696E Depth 33N mb 5.1 Ms ML Source NEIC
Southeast of Loyalty Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 18:37:12.4	147.0	38.9					

Date 2000/08/01 Origin Time 18:54:45.9 Lat 38.758S Long 78.407E Depth 10 mb 5.3 Ms 5.6 ML Source NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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BFO	e PP	Z	19:13:24.8			
	e Sdiff	N	19:21:02.4			
	e PS	Z	19:22:46.7			
	e SS	Z	19:28:38.2			
	e (SSSSS)	Z	19:39:03.8			
	e L	Z	20:02:21.9	20.0	998	5.4
BRG	e PP	Z	19:13:18.9			
	e Sdiff	N	19:20:56.6			
	e PS	Z	19:22:39.8			
	e SS	Z	19:28:21.2			
	e (SSSSS)	Z	19:38:37.3			
	e L	Z	20:05:39.6	18.0	1239	5.5
BSEG	e PP	Z	19:13:48.9			
	e Sdiff	N	19:21:24.3			
	e PS	Z	19:23:04.6			
	e SS	Z	19:29:03.7			
	e (SSSSS)	Z	19:40:03.0			
	e L	Z	20:06:31.1	18.0	1577	5.6
BUG	e PP	Z	19:13:44.5			
	e Sdiff	N	19:21:22.9			
	e PS	Z	19:23:04.6			
	e (SSSSS)	Z	19:39:41.2			
	e L	Z	20:12:54.1	18.0	932	5.4
	CLL	e PP	Z	19:13:24.0		
e Sdiff		N	19:21:00.1			
e PS		Z	19:22:38.4			
e SS		Z	19:28:22.2			
e (SSSSS)		Z	19:38:50.6			
e L		Z	20:05:55.3	18.0	1063	5.4
CLZ	e PP	Z	19:13:29.4			
	e Sdiff	N	19:21:16.2			
	e PS	Z	19:23:04.1			
	e SS	Z	19:28:54.2			
	e (SSSSS)	Z	19:39:31.7			
	e L	Z	20:21:18.1	18.0	1543	5.6
FUR	e PP	Z	19:13:16.2			
	e Sdiff	N	19:20:47.2			
	e PS	Z	19:22:36.4			
	e SS	Z	19:28:10.8			
	e (SSSSS)	Z	19:38:37.6			
	e L	Z	20:07:55.3	18.0	1132	5.5
GRFO	e Sdiff	N	19:20:58.8			
	e PS	Z	19:22:38.5			
	e SS	Z	19:28:18.5			
	e (SSSSS)	Z	19:38:53.8			
	e L	Z	20:06:51.9	18.0	1001	5.4
	IBBN	e PP	Z	19:13:48.3		
e Sdiff		N	19:21:34.3			
e PS		Z	19:22:46.5			

MOX	e SS	Z	19:29:08.0					
	e (SSSSS)	Z	19:40:00.5					
	e L	Z	20:06:10.2	20.0	1459	5.5		
	e PP	Z	19:13:25.9					
	e Sdiff	N	19:21:03.1					
RGN	e PS	Z	19:22:48.9					
	e SS	Z	19:28:37.5					
	e (SSSSS)	Z	19:39:03.0					
	e L	Z	20:09:03.1	18.0	1187	5.5		
	e PP	Z	19:13:34.0					
STU	e Sdiff	N	19:21:16.1					
	e PS	Z	19:23:04.9					
	e SS	Z	19:28:52.6					
	e (SSSSS)	Z	19:39:33.3					
	e L	Z	20:05:42.9	18.0	1326	5.5		
TNS	e PP	Z	19:13:24.0					
	e PS	Z	19:22:44.5					
	e SS	Z	19:28:38.1					
	e (SSSSS)	Z	19:38:55.7					
	e L	Z	20:08:58.8	18.0	892	5.4		
WET	e PP	Z	19:13:30.7					
	e Sdiff	N	19:21:12.7					
	e PS	Z	19:22:59.3					
	e SS	Z	19:28:53.4					
	e (SSSSS)	Z	19:39:28.9					
	e L	Z	20:20:04.6	18.0	929	5.4		
	e Sdiff	N	19:20:47.5					
	e PS	Z	19:22:26.8					
	e SS	Z	19:28:09.0					
	e (SSSSS)	Z	19:38:28.2					
	e L	Z	20:08:49.4	20.0	917	5.3		

Date 2000/08/01 Origin Time 21:33:47.4 Lat 49.659N Long 125.846W Depth 10G mb 4.7 Ms 3.9 ML Source NEIC
 Vancouver Island, Canada, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:45:34.7	74.1	332.7			4.6		

Date 2000/08/02 Origin Time 00:23:05.7 Lat 13.690N Long 90.471W Depth 109* mb 5.0 Ms Source NEIC
 Near coast of Guatemala

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:35:57.2	87.0	287.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	00:37: 9.5	16.690S	173.880W	196.3				GRSN
2000/08/02	00:37:16.4	17.904S	174.794W	191D	5.2			NEIC

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	00:56:37.5	147.8	10.8					
	e PKPbc	Z	00:56:40.9							
	e PKPab	Z	00:56:44.2							
BSEG	e PKPbc	Z	00:56:25.1	142.6	6.6	0.9	40			
	e PKPab	Z	00:56:29.0			1.0	22			
	e pPKPbc	Z	00:57:15.0							
	e SKP	Z	00:59:40.9							
	e PP	Z	00:59:51.6							
IBBN	e PKPbc	Z	00:56:34.0	144.4	2.7	1.1	544			
	e PKPab	Z	00:56:38.0			1.1	153			
	e pPKPbc	Z	00:57:24.0							
	e SKP	Z	00:59:50.8							
	e PP	Z	00:59:59.3							
CLZ	i PKPdf	+ Z	00:56:33.6	144.7	7.1	1.2	11			
	e PKPbc	Z	00:56:35.1			1.7	561			
	e pPKPbc	Z	00:57:24.6							
	e SKP	Z	00:59:54.8							
	e PP	Z	01:00:02.6							
CLL	i PKPdf	+ Z	00:56:33.6	144.9	11.5	1.1	12			
	i PKPbc	+ Z	00:56:35.4			1.6	502			
	e pPKPbc	Z	00:57:25.4							
	e SKP	Z	00:59:55.9							
	e PP	Z	01:00:00.5							
BUG	e PKPdf	Z	00:56:33.3	145.2	1.9					
	e PKPbc	Z	00:56:36.3			0.8	84			
	e PKPab	Z	00:56:40.7			0.7	23			
	e pPKPbc	Z	00:57:27.8							
	e PP	Z	00:59:59.7							
BRG	e PKPdf	Z	00:56:34.5	145.2	13.2					
	e PKPbc	Z	00:56:36.3			0.9	104			
	e PKPab	Z	00:56:40.8			1.0	33			
	e SKP	Z	00:59:58.1							
	e PP	Z	01:00:00.1							
MOX	e PKPdf	Z	00:56:34.9	145.8	9.4	1.6	20			
	e PKPbc	Z	00:56:37.7			1.5	143			
	e SKP	Z	01:00:00.3							
TNS	e PKPdf	Z	00:56:36.1	146.4	4.0					
	e PKPbc	Z	00:56:39.7			0.7	64			
	e PKPab	Z	00:56:42.4			1.0	94			
WET	e PKPdf	Z	00:56:37.2	147.1	12.0	1.6	16			

	i	PKPbc	+	Z	00:56:41.3				1.4	74
	e	PKPab		Z	00:56:45.0				1.1	36
STU	e	PKPdf		Z	00:56:38.8	147.8	5.5		1.5	42
	i	PKPbc	+	Z	00:56:43.5				1.4	94
	e	PKPab		Z	00:56:48.1				1.1	73
FUR	e	PKPdf		Z	00:56:38.4	148.2	9.4			
	i	PKPbc	+	Z	00:56:44.3				0.8	141
	e	PKPab		Z	00:56:49.5				0.9	110
BFO	e	PKPdf		Z	00:56:38.9	148.3	4.0			
	i	PKPbc	+	Z	00:56:44.6				1.1	112
	e	PKPab		Z	00:56:49.7				0.9	61

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	08:34:20.0							SZGRF
2000/08/02	08:34:32.1	23.722N	121.081E	33N	4.3			NEIC

Southwestern Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:47:01.9	83.9	60.0					
	e pP	Z 08:47:07.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	09:01: 4.4			N				SZGRF
2000/08/02	09:01:39.0	37.655N	1.767W	0G				NEIC

Morocco

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:05:22.8	15.2	222.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	10:23:54.5	38.420N	145.040E	10.0G	5.3	4.9		GRSN
2000/08/02	10:23:45.8	34.128N	139.075E	10G	4.9			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:36:21.5	84.3	41.1	1.7	102	5.8		
	e PP	Z 10:39:38.8							
	e L	Z 11:21:50.9			19.3	422		4.8	
RGN	e L	Z 11:18:13.1	78.2	36.7	18.0	584		5.0	
BSEG	i P	- Z 10:36:03.1	79.8	34.4	1.9	34	5.0		
	e SS	Z 10:51:27.1							
	e L	Z 11:21:36.9			18.0	362		4.8	

BRG	i P	- Z	10:36:10.7	81.0	36.7	2.3	92	5.4	4.9
	e L	Z	11:14:46.0						
CLL	i P	- Z	10:36:10.9	81.0	36.1	1.8	49	5.2	
	e S	Z	10:46:40.7						
CLZ	i P	- Z	10:36:15.1	81.5	34.3	1.9	64	5.3	4.8
	e L	Z	11:23:28.4						
IBBN	i P	Z	10:36:18.6	82.0	32.5	1.7	54	5.4	
	e PP	Z	10:39:31.0						
MOX	i P	- Z	10:36:16.8	82.0	35.1	1.6	27	5.1	5.0
	e L	Z	11:18:53.0						
WET	i P	- Z	10:36:19.9	82.8	35.8	1.7	26	5.2	4.9
	e L	Z	11:21:40.1						
BUG	i P	Z	10:36:22.5	82.9	32.1	1.9	71	5.6	5.0
	e L	Z	11:22:12.9						
TNS	i P	- Z	10:36:24.9	83.5	32.8	2.7	92	5.5	5.0
	e L	Z	11:22:45.1						
FUR	i P	- Z	10:36:27.4	84.2	34.7				
	e SS	Z	10:52:18.9						
STU	i P	Z	10:36:29.3	84.4	33.3	1.8	71	5.6	4.8
	e L	Z	11:22:04.9						
BFO	i P	Z	10:36:32.5	85.1	32.6	1.7	27	5.2	4.6
	e L	Z	11:16:55.8						
							27	5.2	4.7
							257		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	10:43:53.8	32.840N	139.930E	33.0N				SZGRF
2000/08/02	10:43:54.9	34.207N	138.802E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:56:30.2	84.1	41.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	17:58:57.4			N				SZGRF
2000/08/02	17:58:35.0	22.004N	93.861E	100G	4.1			NEIC

Bangladesh

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:09:44.8	68.7	80.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/08/02 21:14:30.7 34.037N 139.432E 10G 4.8 NEIC
Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:27:06.0	84.5	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/02	21:42:31.8	33.900N	139.880E	33.0N	5.6	4.7		SZGRF
2000/08/02	21:42:49.9	38.720N	141.150E		5.4	5.0		GRSN
2000/08/02	21:42:27.9	34.127N	139.281E	10G	5.2	4.8		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 21:55:03.5	84.4	40.9	1.1	43	5.6		
	e L	Z 22:31:51.1			20.7	354			
RGN	e PP	Z 21:57:31.2	76.6	39.3					
	e L	Z 22:32:29.6			18.0	800			
BSEG	i P	- Z 21:54:44.0	78.2	37.1	1.0	38	5.5		
	e	21:54:47.8							
BRG	e L	Z 22:35:00.6	79.2	39.2	18.0	453	4.9		
	i P	- Z 21:54:52.2			1.0	16			
e		21:54:55.8							
	e PP	Z 21:57:52.1							
e L		Z 22:39:22.9	79.2	38.7	18.0	465	5.3		4.9
	i P	- Z 21:54:52.3			1.0	39			
e		21:54:55.2							
	e PP	Z 21:58:00.5							
e L		Z 22:41:59.3	79.8	36.9	20.0	655	5.3		5.0
	i P	- Z 21:54:56.4			1.1	41			
e		21:55:00.0							
	e PP	Z 21:58:23.3							
e L		Z 22:36:20.5	80.3	37.6	18.0	1278	5.1		5.3
	i P	- Z 21:54:57.9			1.1	24			
e		21:55:00.9							
	e L	Z 22:38:02.1			18.0	499	5.4		4.9
i P	- Z 21:54:59.6	80.4	35.1	1.1	43				
e		21:55:03.0							
	e L	Z 22:35:22.9			18.0	808	5.1		5.1
i P	- Z 21:55:01.0	81.0	38.3	1.2	23	5.1			
e		21:55:04.2							
	e L	Z 22:35:50.0			18.0	756	5.5		5.1
i P	- Z 21:55:03.2	81.3	34.7	1.3	49	5.5			
e		21:55:06.4							
	e L	Z 22:35:50.6			18.0	806	5.1		5.1
i P	- Z 21:55:06.3	81.8	35.4	1.1	29	5.3			
e		21:55:09.1							
	e L	Z 22:41:24.6			18.0	797	5.1		5.1

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FUR	i P	- Z	21:55:08.7	82.4	37.2	0.9	45	5.7
	e		21:55:12.4					
	e L	Z	22:37:52.0			20.0	672	5.0
STU	i P	- Z	21:55:09.8	82.7	35.8	1.1	43	5.6
	e		21:55:14.3					
	e L	Z	22:37:06.3			18.0	544	5.0
BFO	i P	- Z	21:55:13.5	83.4	35.2	1.5	46	5.5
	e		21:55:16.5					
	e L	Z	22:37:29.0			18.0	415	4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	01:09:38.9	12.047S	166.464E	33N	5.7	6.5		NEIC
Santa Cruz Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	01:28:59.7	137.2	37.1					
	e pPKPdf	Z	01:29:18.5							
	e PP	Z	01:31:43.8							
	e L	Z	02:32:23.4			21.0	12749		6.6	
BFO	i PKPdf	+ Z	01:29:06.3			0.9	10			
	e		01:29:21.2							
	e PP	Z	01:31:58.6			2.3	178			
	e PKS	N	01:32:40.4							
	e PPP	Z	01:35:03.9							
	e PPS	Z	01:44:19.4							
	e SS	E	01:50:25.8							
	e SSS	E	01:55:37.3							
	e L	Z	02:29:45.5			22.0	7334		6.4	
BRG	i PKPdf	+ Z	01:28:56.3			1.8	54			
	e		01:29:07.1							
	e PP	Z	01:31:30.5							
	e SKP	N	01:32:28.8							
	e PPP	Z	01:34:29.8							
	e PPS	Z	01:43:46.5							
	e SS	E	01:49:30.2							
	e SSS	E	01:54:22.7							
	e L	Z	02:33:52.7			20.0	14097		6.7	
BSEG	i PKPdf	+ Z	01:28:49.2			1.9	82			
	e		01:29:03.9							
	e PP	Z	01:31:23.0							
	e SKP	N	01:32:21.5							
	e PPP	Z	01:34:17.9							
	e PPS	Z	01:43:33.7							
	e SS	E	01:49:25.3							
	e SSS	E	01:54:17.2							
	e L	Z	02:25:32.4			22.0	16795		6.7	
BUG	i PKPdf	+ Z	01:29:02.4			1.0	15			

	e		01:29:17.5				
	e PP	Z	01:31:44.2	2.6	216		
	e PKS	N	01:32:34.7				
	e PPP	Z	01:34:40.5				
	e PPS	Z	01:43:38.4				
	e SS	E	01:49:52.5				
	e SSS	E	01:55:10.4				
	e L	Z	02:29:34.8	20.0	15163	6.7	
CLL	i PKPdf	+ Z	01:28:56.1	1.9	64		
	e		01:29:10.4				
	e PP	Z	01:31:32.3	2.6	171		
	e PKS	N	01:32:29.1				
	e PPP	Z	01:34:31.9				
	e PPS	Z	01:43:40.4				
	e SS	E	01:49:28.1				
	e SSS	E	01:54:26.5				
	e L	Z	02:32:52.9	20.0	11700	6.6	
CLZ	i PKPdf	+ Z	01:28:56.8	1.9	100		
	e		01:29:12.5				
	e PP	Z	01:31:35.8				
	e PKS	N	01:32:31.7				
	e PPP	Z	01:34:37.5				
	e PPS	Z	01:43:47.4				
	e SS	E	01:49:38.0				
	e SSS	E	01:54:35.7				
	e L	Z	02:26:13.1	22.0	15547	6.7	
FUR	i PKPdf	+ Z	01:29:02.0	1.0	22		
	e		01:29:20.3				
	e PP	Z	01:31:52.5	3.0	471		
	e PKS	N	01:32:34.6				
	e PPP	Z	01:34:59.2				
	e PPS	Z	01:44:15.0				
	e SS	E	01:50:15.1				
	e SSS	E	01:55:21.2				
	e L	Z	02:35:47.5	20.0	17077	6.8	
IBBN	i PKPdf	+ Z	01:28:58.1	1.2	30		
	e		01:29:17.3				
	e PP	Z	01:31:39.4				
	e PKS	N	01:32:32.3				
	e PPP	Z	01:34:40.1				
	e PPS	Z	01:43:38.9				
	e SS	E	01:49:48.0				
	e SSS	E	01:54:52.8				
	e L	Z	02:28:13.5	22.0	17595	6.7	
MOX	i PKPdf	+ Z	01:28:58.1	2.1	48		
	e		01:29:17.2				
	e PP	Z	01:31:40.2				
	e PKS	N	01:32:33.8				
	e PPP	Z	01:34:34.9				

	e PPS	Z	01:43:54.6						
	e SS	E	01:49:43.9						
	e SSS	E	01:54:55.5						
	e L	Z	02:31:49.0		22.0	11326		6.6	
RGN	e PKPdf	Z	01:28:48.9		10.7	1353			
	e PP	Z	01:31:17.0		19.7	3793			
	e SKP	N	01:32:19.8						
	e PPP	Z	01:34:03.7						
	e PPS	Z	01:43:24.2						
	e SS	E	01:49:13.3						
	e SSS	E	01:54:04.4						
	e L	Z	02:24:26.1		22.0	16019		6.7	
STU	i PKPdf	+ Z	01:29:05.5		1.0	36			
	e		01:29:20.7						
	e PP	Z	01:31:55.6		1.6	48			
	e PKS	N	01:32:39.0						
	e PPP	Z	01:35:02.7						
	e PPS	Z	01:44:16.9						
	e SS	E	01:50:18.1						
	e SSS	E	01:55:16.0						
	e L	Z	02:26:52.9		22.0	7826		6.4	
TNS	i PKPdf	+ Z	01:29:01.3		0.8	18			
	e		01:29:19.6						
	e PP	Z	01:31:49.1		1.8	71			
	e PKS	N	01:32:38.1						
	e PPP	Z	01:34:49.3						
	e PPS	Z	01:43:59.4						
	e SS	E	01:50:05.4						
	e SSS	E	01:55:20.6						
	e L	Z	02:32:12.6		20.0	11282		6.6	
WET	i PKPdf	+ Z	01:28:59.7		1.9	48			
	e		01:29:17.8						
	e PP	Z	01:31:42.8						
	e PKS	N	01:32:35.0						
	e PPP	Z	01:34:36.9						
	e PPS	Z	01:43:47.9						
	e SS	E	01:49:54.9						
	e SSS	E	01:55:03.8						
	e L	Z	02:31:21.2		20.0	15123		6.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	05:30:23.1	36.320N	137.400E		5.3	5.8		GRSN
2000/08/03	05:30:12.6	31.174N	131.351E	33N	5.2	5.0		NEIC

Kyushu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:42:39.2	83.3	48.2	2.3	177	5.9		

	e PP	Z	05:45:50.6						
	e pP	Z	05:42:49.8						
	e sP	Z	05:42:59.9						
	e S	Z	05:52:58.1						
	e L	Z	06:24:00.3			19.7	3915		5.8
	e LV	Z	06:12:34.9						
RGN	e PP	Z	05:45:17.0	77.3	43.2				
	e PPP	Z	05:47:07.2						
	e LV	Z	06:10:14.1						
	e L	Z	06:21:30.3			18.0	4430		5.8
BSEG	i P	- Z	05:42:22.3	78.9	40.9				
	i		05:42:32.1						
	e S	E	05:52:20.5						
	e (SS)	N	05:58:00.6						
	e LV	Z	06:10:53.3						
	e L	Z	06:21:33.3			22.0	3133		5.6
BRG	i P	- Z	05:42:27.9	79.7	43.1	1.1	13	4.8	
	e PP	Z	05:45:33.5						
	e S	E	05:52:25.5						
	e (SS)	N	05:58:16.6						
	e LV	Z	06:11:51.9						
	e L	Z	06:22:33.9			22.0	4381		5.8
CLL	i P	+ Z	05:42:28.3	79.8	42.5	0.7	21	5.2	
	i		05:42:38.6						
	e PP	Z	05:45:35.3			26.9	107		
	e S	E	05:52:22.7						
	e (SS)	E	05:58:20.5						
	e LV	Z	06:12:03.7						
	e L	Z	06:23:11.6			18.0	6500		6.0
CLZ	i P	- Z	05:42:33.8	80.4	40.7				
	i		05:42:43.9						
	e PPP	Z	05:47:33.2						
	e S	E	05:52:39.2						
	e (SS)	N	05:58:28.6						
	e LV	Z	06:11:01.1						
	e L	Z	06:22:31.7			18.0	1576		5.4
MOX	i P	- Z	05:42:34.6	80.8	41.5	1.1	16	4.9	
	e PP	Z	05:45:45.8						
	e S	E	05:52:38.9						
	e (SS)	N	05:58:31.2						
	e LV	Z	06:12:27.1						
	e L	Z	06:23:14.7			20.0	5044		5.9
IBBN	i P	- Z	05:42:37.7	81.1	38.9				
	e LV	Z	06:12:11.5						
	e L	Z	06:23:46.4			18.0	4205		5.8
WET	i P	- Z	05:42:36.8	81.4	42.2	1.1	9	4.8	
	i		05:42:48.1						
	e S	E	05:52:48.5						
	e (SS)	N	05:58:37.9						

	e LV	Z	06:12:58.4								
	e L	Z	06:24:17.6			18.0	4835		5.9		
BUG	i P	- Z	05:42:41.9	82.0	38.5						
	i		05:42:52.4								
	e S	E	05:52:54.6								
	e (SS)	N	05:59:03.9								
	e LV	Z	06:12:03.7			18.0	4597		5.9		
	e L	Z	06:24:50.2								
TNS	i P	- Z	05:42:43.2	82.5	39.2	0.7	14	5.3			
	i		05:42:54.3								
	e S	E	05:52:57.9								
	e (SS)	N	05:59:05.4								
	e LV	Z	06:13:21.9								
	e L	Z	06:22:37.7			20.0	1772		5.4		
FUR	i P	- Z	05:42:44.8	82.9	41.0	0.5	39	5.9			
	i		05:42:54.4								
	e PP	Z	05:46:01.1								
	e S	E	05:53:05.5								
	e (SS)	N	05:59:06.7								
	e LV	Z	06:13:45.3			18.0	5712		6.0		
	e L	Z	06:25:05.4								
STU	i P	- Z	05:42:47.0	83.3	39.6	1.1	26	5.4			
	i		05:42:57.3								
	e PP	Z	05:46:09.8								
	e S	E	05:53:09.3								
	e (SS)	N	05:59:16.6								
	e LV	Z	06:13:45.3								
	e L	Z	06:24:49.3			18.0	3470		5.8		
BFO	i P	- Z	05:42:50.3	84.0	39.0	1.1	23	5.3			
	i		05:43:00.9								
	e S	E	05:53:15.4								
	e (SS)	N	05:59:24.1								
	e LV	Z	06:14:02.8								
	e L	Z	06:25:18.5			18.0	2953		5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	07:55:18.1	32.120N	140.840E	33.0N		4.9		SZGRF
2000/08/03	07:55:20.5	34.070N	139.339E	10G	4.6	4.8		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:07:59.4	84.5	40.9					
	e L	Z 08:53:15.8			20.6	474		4.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/08/03 08:00:19.7 34.520N 139.348E 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 08:12:53.9	84.1	40.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	08:24:0.2	33.820N	139.380E	15.5		4.8		SZGRF
2000/08/03	08:23:57.7	34.123N	139.268E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:36:32.9	84.4	40.9					
	e pP	Z 08:36:37.5							
	e L	Z 09:22:10.8			18.0	341		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	08:33:12.9	33.060N	140.060E	33.0N				SZGRF
2000/08/03	08:33:10.4	34.021N	138.917E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:45:48.6	84.3	41.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	09:01:44.5	36.520N	90.590E	33.0N	5.5			SZGRF

Southern Xinjiang, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:11:24.9	56.7	71.0	1.6	76	5.5		
	e	Z 09:11:54.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	09:04:38.9	32.920N	139.880E	14.2				SZGRF
2000/08/03	09:04:44.6	34.147N	138.952E	10G	4.9			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:17:20.2	84.2	41.1					
	e pP	Z 09:17:24.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	10:11:37.7	32.350N	140.550E	33.0N				SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:24:17.5	86.5	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	10:53: 5.6	32.700N	141.540E	14.5	4.8			SZGRF
2000/08/03	10:53:07.5	33.640N	138.800E	10G	4.7			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:05:45.9	84.6	41.5			4.8		
	e pP	Z 11:05:50.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	11:27:04.1	34.085N	139.147E	10G	5.2			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:39:40.0	84.4	41.0					
	e pP	Z 11:39:43.7							
	e L	Z 12:25:09.3			20.5	279		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	12:10: 3.3	34.110N	138.750E	33.0N				SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:22:31.7	84.2	41.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	12:13:10.3	34.151N	139.071E	10G	5.1	4.9		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:25:46.6	84.3	41.1					
	e pP	Z 12:25:51.9							

e L Z 13:10:56.1 19.6 781 5.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	12:17:19.8	34.269N	139.144E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:29:55.2	84.2	40.9					
	e pP	Z 12:29:59.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	12:18:28.5	33.320N	140.290E	44.5	5.3	5.1		SZGRF
2000/08/03	12:18:24.4	33.951N	139.443E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:31:03.5	84.6	40.9	1.2	32	5.3		
	e pP	Z 12:31:16.4							
	e PP	Z 12:34:31.2							
	e L	Z 13:10:56.1			19.6	781		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	13:17:52.7	34.380N	140.450E		5.8	5.1		GRSN
2000/08/03	13:18:09.2	34.230N	139.161E	10G	5.5	4.8		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 13:30:28.0	81.1	43.0					
GEC2	e P	Z 13:30:41.8	83.8	42.6					
GRA1	e P	Z 13:30:44.8	84.3	40.9	1.4	180	6.1		
	e PP	Z 13:33:59.1							
	e L	Z 14:15:19.8			20.9	523		4.9	
WLF	e P	Z 13:30:54.6	86.3	37.3	1.4	59	5.5		
BFO	e P	Z 13:30:55.2	86.5	38.8	1.3	75	5.6		
RGN	i P	- Z 13:30:20.5	80.2	41.9	1.0	99	5.7		
	e L	Z 14:12:35.1			20.0	954		5.1	
BSEG	i P	- Z 13:30:29.3	81.8	39.6	1.3	85	5.7		
	e L	Z 14:10:11.3			18.0	749		5.1	
BRG	i P	- Z 13:30:33.2	82.6	42.0	2.2	172	5.9		
	e L	Z 14:14:28.3			18.0	666		5.1	
CLL	i P	- Z 13:30:33.6	82.7	41.3	1.3	70	5.7		
	e L	Z 14:17:49.7			18.0	698		5.1	
CLZ	i P	- Z 13:30:37.6	83.4	39.5	1.5	106	5.9		

	e L	Z	14:12:00.5			18.0	851	5.2
MOX	i P	- Z	13:30:39.3	83.8	40.3	1.5	81	5.7
	e L	Z	14:15:17.2			18.0	853	5.2
IBBN	i P	- Z	13:30:40.5	84.0	37.6	1.5	114	5.9
	e L	Z	14:12:00.1			20.0	1005	5.2
WET	i P	- Z	13:30:42.7	84.4	41.1	1.7	99	5.8
	e PP	Z	13:33:43.9					
	e L	Z	14:16:02.8			18.0	920	5.2
BUG	i P	- Z	13:30:44.8	84.9	37.2	1.2	76	5.8
	e L	Z	14:12:05.7			18.0	693	5.1
TNS	i P	- Z	13:30:47.2	85.4	38.0	1.4	58	5.5
	e PP	Z	13:33:19.0					
	e L	Z	14:16:57.6			18.0	830	5.2
FUR	i P	- Z	13:30:49.9	85.8	39.9	1.3	93	5.8
	e L	Z	14:15:23.7			22.0	704	5.0
STU	i P	- Z	13:30:51.8	86.2	38.4	1.3	97	5.8
	e L	Z	14:16:10.9			18.0	580	5.0
BFO	i P	- Z	13:30:54.9	86.9	37.8	1.4	77	5.7
	e PP	Z	13:33:35.8					
	e L	Z	14:18:37.0			18.0	569	5.0

Date 2000/08/03 Origin Time 17:03:58.2 Lat 32.840N Long 141.580E Depth 33.0N mb Ms ML Source SZGRF
Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:16:38.0	86.5	39.9					
	e L	Z 18:09:02.2			18.6	320		4.8	

Date 2000/08/03 Origin Time 19:22:10.8 Lat 17.538S Long 71.587W Depth 33N mb Ms ML Source NEIC
Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:35:49.6	98.8	253.2	1.8	35	5.8		
	e pS	E 19:46:17.0							
	e S	N 19:47:10.0							
	e L	Z 20:24:01.8			19.0	1520		5.5	

Date 2000/08/03 Origin Time 21:35:32.8 Lat 27.648N Long 127.426E Depth 33N mb Ms ML Source SZGRF
2000/08/03 Origin Time 21:34:52.2 Lat 27.648N Long 127.426E Depth 33N mb Ms ML Source NEIC
Southeastern China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:47:21.6	84.2	53.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/03	22:35:27.7	34.840N	140.890E	33.0N		4.3		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:47:57.4	84.4	39.4					
	e L	Z 23:23:27.8			20.0	115		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	02:15:26.2			N				SZGRF

North Pacific Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:28:39.2			1.1	15			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	03:11:40.8	15.480S	66.430E	22.1	5.1			SZGRF
2000/08/04	03:12: 3.4	12.190S	64.020E		5.3			GRSN
2000/08/04	03:11:49.7	12.754S	66.237E	10G	5.1			NEIC

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:23:53.9	78.8	125.5	1.3	23	5.1		
	e pP	Z 03:24:00.3							
WET	i P	Z 03:23:46.4	76.0	128.3	2.0	31	5.1		
	e	03:23:52.4							
FUR	i P	+ Z 03:23:49.4	76.3	126.8	2.0	148	5.8		
	e	03:23:55.5							
BRG	i P	+ Z 03:23:50.9	76.6	129.6	1.9	48	5.3		
	e	03:23:57.0							
CLL	i P	+ Z 03:23:55.0	77.3	128.8	1.7	34	5.2		
	e	03:24:01.0							
MOX	i P	Z 03:23:55.9	77.6	127.5	1.8	32	5.2		
	e	03:24:02.7							
STU	e P	Z 03:23:57.1	77.7	125.2					
	e	03:24:03.4							
BFO	i P	+ Z 03:23:58.7	78.0	124.4	2.3	58	5.3		
	e	03:24:04.7							
CLZ	i P	+ Z 03:24:04.0	78.9	126.7	2.0	71	5.3		

	e			03:24:10.2						
TNS	i P	+ Z		03:24:04.3	79.0	124.8	2.2	61	5.2	
	e			03:24:10.2						
BSEG	i P	+ Z		03:24:10.4	80.2	126.9	2.2	47	5.0	
	e			03:24:16.5						
BUG	i P	- Z		03:24:10.9	80.3	124.0	1.7	34	5.0	
	e			03:24:17.0						
IBBN	i P	+ Z		03:24:12.4	80.5	124.5				
	e			03:24:20.0						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	03:13:58.2	15.820S	66.650E	27.4				SZGRF
2000/08/04	03:14:25.4	11.810S	64.130E		5.0			GRSN
2000/08/04	03:14:10.5	12.763S	66.167E	10G	5.0	4.7		NEIC

Mid-Indian Ridge

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:26:15.0	78.8	125.5					
	e pP	Z	03:26:22.4							
	e sP	Z	03:26:26.8							
WET	e P	Z	03:26:07.5	75.8	128.0	1.5	16	4.9		
	e		03:26:15.0							
FUR	e P	Z	03:26:10.2	76.0	126.5	1.6	94	5.7		
	e		03:26:16.3							
BRG	e P	Z	03:26:11.0	76.3	129.3	1.5	26	5.1		
	e		03:26:23.5							
CLL	i P	- Z	03:26:15.5	77.0	128.6	1.2	16	5.0		
	e		03:26:27.5							
MOX	e P	Z	03:26:17.6	77.3	127.2	1.3	13	4.9		
	e		03:26:28.2							
STU	e P	Z	03:26:18.1	77.5	124.8	1.3	20	5.1		
BFO	e P	Z	03:26:19.0	77.7	124.0	1.2	10	4.8		
	e		03:26:31.2							
CLZ	e P	Z	03:26:24.6	78.7	126.4	1.5	35	5.3		
	e		03:26:36.3							
TNS	e P	Z	03:26:24.9	78.7	124.5	1.7	27	5.0		
	e		03:26:36.5							
BSEG	e P	Z	03:26:30.7	79.9	126.6	1.7	30	4.9		
BUG	e P	Z	03:26:32.1	80.0	123.7	1.2	15	4.8		
IBBN	e P	Z	03:26:32.9	80.2	124.2	1.3	20	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	03:07:25.6	9.760N	173.740E					GRSN

Marshall Islands region

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Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	03:26:01.5	114.8	18.0	1.0	9			
CLL	i PKPbc	- Z	03:26:06.5	116.7	21.3	1.0	14			
CLZ	e PKPdf	Z	03:26:06.9	116.8	18.4	0.9	8			
BRG	e PKPdf	Z	03:26:06.9	116.9	22.4	0.9	7			
MOX	e PKPdf	Z	03:26:08.6	117.6	20.0	1.4	11			
TNS	e PKPdf	Z	03:26:10.8	118.7	16.6	0.7	4			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	05:05:14.8	23.930S	171.420E					GRSN
2000/08/04	05:05:17.5	22.992S	169.779E	33N	5.2	4.4		NEIC

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	- Z	05:25:02.1	148.4	40.0					
BSEG	i PKPbc	- Z	05:24:53.4	146.8	32.7	1.0	44			
BRG	i PKPbc	- Z	05:24:56.4	147.9	41.3	1.1	33			
CLL	i PKPbc	- Z	05:24:56.5	148.0	39.4	1.1	25			
CLZ	i PKPbc	- Z	05:24:58.7	148.5	34.7	1.0	24			
IBBN	i PKPbc	- Z	05:24:59.8	149.0	30.0	1.1	43			
MOX	i PKPbc	- Z	05:24:59.9	149.1	37.8	1.1	15			
WET	i PKPbc	- Z	05:25:01.7	149.7	41.5					
BUG	i PKPbc	- Z	05:25:02.1	149.9	29.9					
TNS	i PKPbc	- Z	05:25:03.8	150.6	33.0	1.1	20			
FUR	i PKPbc	- Z	05:25:05.6	151.1	40.0					
STU	i PKPbc	- Z	05:25:06.2	151.5	35.8					
BFO	i PKPbc	- Z	05:25:07.3	152.2	34.7	1.0	16			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	07:17:56.0	34.276N	138.980E	10G	4.7			NEIC

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:30:31.7	84.1	41.1	1.2	30	5.4		
	e L	Z	08:15:39.4			20.9	135		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	07:47:40.1	0.053N	126.565E	83*	5.6			NEIC

Southern Molucca Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z	08:06:12.6	106.0	70.1					
	e L	Z	08:53:40.8			21.8	228		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	09:18:41.4	17.350S	176.480W	560.0G				GRSN
2000/08/04	09:18:40.3	17.711S	178.870W	560D	4.5			NEIC

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	09:37:17.9	147.0	17.8					
	e PKPbc	Z	09:37:20.5							
	e PKPab	Z	09:37:25.4							
BSEG	i PKP	+ Z	09:37:09.6	143.0	10.8	1.0	22			
CLZ	i PKPbc	+ Z	09:37:16.7	145.1	11.5	0.9	13			
CLL	i PKPbc	+ Z	09:37:16.3	145.2	16.0	0.9	24			
BRG	i PKPbc	Z	09:37:17.2	145.5	17.7	1.0	12			
MOX	i PKPbc	Z	09:37:19.2	146.1	13.9					
	e PKPab	Z	09:37:20.7			1.1	6			
TNS	i PKPbc	Z	09:37:21.8	146.9	8.6	0.7	11			
	e PKPab	Z	09:37:24.3			0.8	11			
WET	e PKPdf	Z	09:37:22.0	147.3	16.7					
	i PKPbc	- Z	09:37:26.1			0.9	6			
BFO	i PKPbc	+ Z	09:37:26.1	148.8	8.9	1.2	14			
	e PKPab	Z	09:37:32.2			0.9	10			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	21:13:15.3	49.690N	141.990E	33.0N	6.3	7.2		SZGRF
2000/08/04	21:13: 8.1	48.850N	142.970E		6.7	7.1		GRSN
2000/08/04	21:13:02.7	48.753N	142.293E	10G	6.3	7.1		NEIC

Sakhalin Island, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	i P	+ Z	21:24:35.0	72.8	32.6					
GRA1	i P	+ Z	21:24:36.5	73.0	31.3	1.0	162	6.1		
	e PP	Z	21:27:12.3							
	e PPP	Z	21:29:05.0							
	e S	E	21:34:08.7							
	e SKSac	N	21:34:42.2							
	e SS	E	21:38:47.6							
	e L	Z	22:00:12.8			18.0	98671		7.1	
WLF	e P	Z	21:24:46.2	74.6	28.3					
RGN	e P	Z	21:24:06.9	68.3	33.0	1.8	2704	7.2		
	e		21:24:24.4							
	e PP	Z	21:26:44.1							
	e S	E	21:33:09.7							
	e SKSac	N	21:34:05.0							
	e SS	E	21:37:33.3							

	e	SSS	N	21:40:35.6						
	e	L	Z	21:57:50.0			20.0	177969		7.3
BSEG	e	P	Z	21:24:15.7	69.7	31.1	2.2	1688	6.8	
	e			21:24:32.4						
	e	PPP	Z	21:28:37.1						
	e	S	E	21:33:29.5						
	e	SKSac	N	21:34:18.1						
	e	SS	E	21:38:03.6						
	e	SSS	N	21:41:20.0						
	e	L	Z	21:56:14.1			18.0	114383		7.2
RUE	e	P	Z	21:24:16.0	69.9	32.9				
CLL	i	P	+ Z	21:24:23.3	71.1	32.2	1.7	1173	6.7	
	e			21:24:40.8						
	e	PP	Z	21:26:47.4						
	e	PPP	Z	21:28:39.9						
	e	S	E	21:33:41.9						
	e	SKSac	N	21:34:27.5						
	e	SS	E	21:38:17.9						
	e	SSS	N	21:41:39.4						
	e	L	Z	21:58:47.8			18.0	86210		7.1
BRG	i	P	+ Z	21:24:23.9	71.2	32.7	2.0	1037	6.6	
	e			21:24:41.7						
	e	PP	Z	21:26:58.5						
	e	PPP	Z	21:28:42.3						
	e	S	E	21:33:43.4						
	e	SKSac	N	21:34:28.1						
	e	SS	E	21:38:16.7						
	e	SSS	N	21:41:39.1						
	e	L	Z	22:04:09.4			18.0	95618		7.1
CLZ	i	P	+ Z	21:24:26.5	71.5	30.7	1.8	1590	6.9	
	e			21:24:44.8						
	e	PP	Z	21:27:02.1						
	e	PPP	Z	21:28:46.8						
	e	S	E	21:33:48.8						
	e	SKSac	N	21:34:32.3						
	e	SS	E	21:38:19.5						
	e	SSS	N	21:41:47.2						
	e	L	Z	21:56:26.1			18.0	102019		7.1
IBBN	i	P	+ Z	21:24:28.7	71.9	29.2	2.0	1660	6.8	
	e			21:24:46.5						
	e	PP	Z	21:26:57.9						
	e	PPP	Z	21:28:54.2						
	e	S	E	21:33:50.3						
	e	SKSac	N	21:34:35.6						
	e	SS	E	21:38:30.5						
	e	SSS	N	21:41:57.3						
	e	L	Z	21:55:08.4			22.0	152500		7.2
MOX	i	P	+ Z	21:24:30.0	72.1	31.3	1.9	1266	6.7	
	e			21:24:46.6						

	e	PP	Z	21:27:10.0							
	e	PPP	Z	21:28:55.0							
	e	S	E	21:33:55.2							
	e	SKSac	N	21:34:38.2							
	e	SS	E	21:38:31.6							
	e	SSS	E	21:42:10.5							
	e	L	Z	21:59:35.0			20.0	102650		7.1	
BUG	i	P	+ Z	21:24:33.8	72.8	28.8	1.8	1562	6.8		
	e			21:24:51.6							
	e	PP	Z	21:27:16.8							
	e	PPP	Z	21:29:00.2							
	e	S	E	21:34:03.3							
	e	SKSac	N	21:34:39.0							
	e	SS	E	21:38:41.3							
	e	SSS	E	21:42:14.9							
	e	L	Z	21:57:10.9			18.0	123242		7.2	
WET	i	P	+ Z	21:24:35.2	73.0	31.8	1.8	1220	6.6		
	e			21:24:53.6							
	e	PP	Z	21:27:12.0							
	e	PPP	Z	21:29:03.4							
	e	S	E	21:34:07.9							
	e	SKSac	N	21:34:44.8							
	e	SS	E	21:38:42.9							
	e	L	Z	22:00:44.1			18.0	121808		7.2	
TNS	i	P	+ Z	21:24:38.2	73.5	29.3	1.7	929	6.5		
	e			21:24:54.9							
	e	PP	Z	21:27:19.5							
	e	PPP	Z	21:29:04.9							
	e	S	E	21:34:12.5							
	e	SKSac	N	21:34:44.9							
	e	SS	E	21:38:51.4							
	e	L	Z	22:02:46.3			20.0	80151		7.0	
FUR	i	P	+ Z	21:24:43.3	74.4	30.7	1.7	1543	6.8		
	e			21:25:01.2							
	e	PP	Z	21:27:26.2							
	e	PPP	Z	21:29:14.9							
	e	S	E	21:34:23.0							
	e	SKSac	N	21:34:53.3							
	e	SS	E	21:39:08.8							
	e	L	Z	22:00:50.2			18.0	161031		7.4	
STU	i	P	+ Z	21:24:44.2	74.6	29.5	1.8	901	6.5		
	e			21:25:00.9							
	e	PP	Z	21:27:26.1							
	e	PPP	Z	21:29:18.5							
	e	S	E	21:34:24.2							
	e	SKSac	N	21:34:54.4							
	e	SS	E	21:39:04.6							
	e	L	Z	22:04:41.5			18.0	66336		7.0	
BFO	i	P	+ Z	21:24:47.8	75.2	29.0	1.9	1204	6.7		

e		21:25:05.1							
e PP	Z	21:27:41.4							
e PPP	Z	21:29:34.7							
e S	E	21:34:30.4							
e SKSac	N	21:35:01.2							
e SS	E	21:39:20.6							
e L	Z	22:03:34.0			18.0	68896		7.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	21:29:33.1	49.000N	143.330E	68.5				SZGRF
2000/08/04	21:29:39.5	49.530N	142.940E	66.5	5.2			GRSN
2000/08/04	21:29:30.8	48.863N	142.100E	33N	5.4			NEIC

Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z	21:41:00.2	73.4	30.6	0.9	32.2	5.5		
	e pP	Z	21:41:17.7							
BSEG	i P	+ Z	21:40:38.8	69.1	30.7	2.1	97	5.6		
	e pP	Z	21:40:57.0							
CLL	i P	+ Z	21:40:47.2	70.5	31.9	0.9	29	5.4		
BRG	i P	+ Z	21:40:47.6	70.6	32.3	1.0	14	5.0		
CLZ	i P	+ Z	21:40:50.5	70.9	30.4	1.2	31	5.3		
	e pP	Z	21:41:08.1							
IBBN	i P	+ Z	21:40:52.4	71.3	28.9	1.8	62	5.4		
	e pP	Z	21:41:10.4							
MOX	i P	+ Z	21:40:53.7	71.6	30.9	1.2	15	5.0		
	e pP	Z	21:41:11.0							
BUG	i P	+ Z	21:40:57.5	72.2	28.4	1.7	40	5.2		
	e pP	Z	21:41:15.9							
WET	i P	+ Z	21:40:59.1	72.4	31.4	1.0	21	5.1		
	e pP	Z	21:41:15.5							
TNS	i P	+ Z	21:41:02.1	72.9	29.0	1.3	21	5.0		
	e pP	Z	21:41:20.6							
FUR	i P	+ Z	21:41:07.5	73.8	30.3	1.3	51	5.4		
	e pP	Z	21:41:26.1							
STU	i P	+ Z	21:41:08.3	74.0	29.2	1.2	20	5.1		
	e pP	Z	21:41:26.9							
BFO	i P	+ Z	21:41:11.2	74.6	28.6	1.5	32	5.2		
	e pP	Z	21:41:29.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	22:09:39.1			N				SZGRF

North Pacific Ocean

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:22:45.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	23:34:38.6	31.471S	178.749W	208?	5.0			NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:54:54.7	160.3	26.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/04	23:55:12.4	32.840N	141.310E	33.0N	4.8			SZGRF
2000/08/04	23:55:15.9	34.100N	139.030E	10G	4.9			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:07:51.7	84.3	41.1	1.2	11	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	01:13:18.6	49.900N	150.920E	33.0N	5.4			SZGRF
2000/08/05	01:13:25.6	48.572N	142.173E	33N	4.4			NEIC

Northwest of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:24:54.9	73.1	31.5	3.2	130	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	01:42:28.1	48.707N	142.259E	10G	4.6			NEIC

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z 01:54:02.0	73.0	31.4	0.9	15	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	04:15:34.8	33.290N	140.860E	33.0N	5.1			SZGRF
2000/08/05	04:15:36.2	34.040N	139.170E	10G	4.8			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 04:28:11.1 84.4 41.0 1.1 16 5.1

Date Origin Time Lat Long Depth mb Ms ML Source
2000/08/05 06:03:32.0 N SZGRF
Off east coast of Honshu, Japan

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 06:16:09.6

Date Origin Time Lat Long Depth mb Ms ML Source
2000/08/05 06:13:32.1 24.416S 112.212W 10G 5.0 4.7 NEIC
Easter Island region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPdf Z 06:32:43.9 129.8 278.6

Date Origin Time Lat Long Depth mb Ms ML Source
2000/08/05 06:23:30.1 26.480S 179.960E 33.0 GRSN
South of Fiji Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
BSEG i PKPbc - Z 06:43:27.2 151.5 19.7 1.1 15
i PKPab - Z 06:43:34.0 0.9 9
e pPKPbc Z 06:45:36.8
CLL e PKPdf Z 06:43:24.7 153.3 26.7
i PKPbc - Z 06:43:31.4 0.8 24
i PKPab - Z 06:43:41.5 0.7 10
e pPKPbc Z 06:45:40.9
BRG e PKPdf Z 06:43:25.4 153.4 28.9
i PKPbc - Z 06:43:31.8 1.1 16
i PKPab Z 06:43:41.7 1.0 6
e pPKPbc Z 06:45:41.6
CLZ e PKPdf Z 06:43:25.3 153.4 21.2
i PKPbc - Z 06:43:32.2 0.8 14
i PKPab - Z 06:43:42.4 0.7 7
e pPKPbc Z 06:45:42.1
IBBN e PKPdf Z 06:43:25.5 153.5 15.8
i PKPbc - Z 06:43:32.0 1.2 18
i PKPab + Z 06:43:42.8 1.0 12
MOX i PKPbc - Z 06:43:33.5 154.2 24.6 1.4 9
i PKPab + Z 06:43:46.1 1.1 4
e pPKPbc Z 06:45:44.2
WET i PKPab + Z 06:43:50.6 155.2 28.5 0.9 4

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TNS	i	PKPbc	Z	06:43:36.0	155.4	18.5	0.7	5
BFO	i	PKPab	+ Z	06:43:58.5	157.2	19.6	1.3	7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	06:52:26.4	48.760N	143.090E		5.1			GRSN
2000/08/05	06:52:22.6	48.826N	142.225E	10G	4.8	4.3		NEIC

Sakhalin Island, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	07:03:55.7	72.9	31.3	0.9	21	5.2		
BSEG	i P	+ Z	07:03:35.0	69.9	31.0	2.0	36	5.1		
CLL	i P	+ Z	07:03:42.9	71.2	32.2	1.1	22	5.2		
BRG	i P	+ Z	07:03:43.5	71.3	32.7	1.5	14	4.9		
CLZ	i P	+ Z	07:03:46.2	71.6	30.7	1.4	20	5.1		
IBBN	i P	+ Z	07:03:47.9	72.0	29.2	1.1	13	5.0		
MOX	i P	+ Z	07:03:49.5	72.3	31.2	1.4	19	5.0		
BUG	i P	+ Z	07:03:53.5	72.9	28.7	1.5	32	5.2		
WET	i P	+ Z	07:03:55.0	73.1	31.7	1.2	18	5.1		
TNS	i P	+ Z	07:03:57.6	73.6	29.3	1.5	17	4.9		
FUR	i P	+ Z	07:04:03.2	74.5	30.7	1.1	31	5.2		
STU	i P	+ Z	07:04:03.8	74.7	29.5					
BFO	i P	+ Z	07:04:07.0	75.3	28.9	1.1	10	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	18:13:44.5			G			3.3	SZGRF

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	18:15:07.7							
	e Sg	N	18:16:38.2							
GEC2	e Pn	Z	18:14:40.7							3.3
	e Sg	N	18:15:48.1							
GRA1	e Pn	Z	18:15:02.4							
MOX	e Pn	Z	18:15:11.5							
TNS	e Pn	Z	18:15:24.6							3.4
WET	e Pn	Z	18:14:49.3							3.3
	e Sg	N	18:16:00.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	18:26:12.1	32.840N	141.310E	33.0N		4.4		SZGRF
2000/08/05	18:26:13.8	34.189N	139.272E	10G	4.5	4.2		NEIC

Southeast of Honshu, Japan

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:38:51.4	84.3	40.9					
	e L	Z 19:23:58.1			18.3	149		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	19:43:08.2	5.785S	130.318E	173*	5.3			NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKiKP	Z 20:01:24.2	112.9	70.7					
	e PP	Z 20:02:18.7							
	e PKS	Z 20:04:43.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/05	22:54: 9.8	54.850N	163.450E	33.0N				SZGRF
2000/08/05	22:53:56.2	53.897N	168.667E	33N	4.4			NEIC

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:05:36.1	74.7	13.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/06	07:26:34.4	29.560N	140.950E	420.9	7.1			SZGRF
2000/08/06	07:27:16.8	29.760N	140.260E	404.5	7.0	6.7		GRSN
2000/08/06	07:27:12.6	28.829N	139.497E	394D	6.2			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	i P	- Z 07:39:11.6	85.9	45.5	2.3	5023	7.2		
GEC2	i P	- Z 07:39:23.6	88.5	45.3					
IBBN	i P	- Z 07:39:23.5	88.6	40.8	1.1	1270	7.1		
GRA1	i P	- Z 07:39:26.5	89.0	43.5	1.8	3319	7.3		
	e pP	Z 07:41:02.8							
	e sP	Z 07:41:54.5							
	e PP	Z 07:43:08.6							
	e sPP	Z 07:45:12.3							
	e S	E 07:49:37.7							
	e SP	Z 07:50:47.9							
	e PS	Z 07:51:45.2							
	e sS	E 07:52:25.3							
	e sSP	Z 07:53:28.5							
	e SS	N 07:55:44.5							

	e	PKKPbc	Z	07:57:01.1					
	e	sSS	E	07:58:12.7					
	e	L	Z	08:23:30.4		18.0	22861	6.6	
BUG	i	P	- Z	07:39:27.4	89.4	40.4			
WLF	i	P	- Z	07:39:36.4	91.2	39.6	1.6	1406	7.0
RGN	i	P	- Z	07:39:05.0	84.2	44.2	1.6	2804	7.2
	e	pP	Z	07:40:37.7					
	e	sP	Z	07:41:18.7					
	e	PP	Z	07:42:28.1					
	e	sPP	Z	07:44:33.0					
	e	S	N	07:48:56.7					
	e	SP	Z	07:49:48.7					
	e	PS	Z	07:50:50.3					
	e	sS	E	07:51:42.3					
	e	sSP	Z	07:52:37.9					
	e	SS	N	07:54:40.2					
	e	sSS	E	07:57:07.7					
	e	L	Z	08:21:55.2			20.0	34689	6.7
BSEG	i	P	- Z	07:39:13.0	85.8	41.9	1.7	1934	6.9
	e	pP	Z	07:40:43.9					
	e	sP	Z	07:41:26.7					
	e	PP	Z	07:42:45.5					
	e	sPP	Z	07:44:48.2					
	e	S	N	07:49:12.2					
	e	SP	Z	07:50:10.2					
	e	PS	Z	07:51:13.8					
	e	sS	E	07:51:57.8					
	e	sSP	Z	07:52:59.8					
	e	SS	N	07:55:02.5					
	e	PKKPbc	Z	07:57:08.0			0.8	11	
	e	sSS	E	07:57:31.8					
	e	SSS	N	07:58:38.6					
	e	L	Z	08:25:12.6			20.0	31834	6.7
BRG	i	P	- Z	07:39:16.2	86.5	44.5	1.8	1565	6.8
	e	pP	Z	07:40:49.5					
	e	sP	Z	07:41:32.1					
	e	PP	Z	07:42:50.8					
	e	sPP	Z	07:44:50.9					
	e	S	N	07:49:18.5					
	e	SP	Z	07:50:22.4					
	e	PS	Z	07:51:18.6					
	e	sS	E	07:52:03.7					
	e	sSP	Z	07:53:02.0					
	e	SS	N	07:55:13.7					
	e	PKKPbc	Z	07:57:05.6			1.1	9	
	e	sSS	E	07:57:42.4					
	e	L	Z	08:22:16.2			18.0	40164	6.9
CLL	i	P	- Z	07:39:16.5	86.6	43.8	1.4	1244	6.8

	e pP	Z	07:40:48.2						
	e sP	Z	07:41:31.4						
	e PP	Z	07:42:50.3						
	e sPP	Z	07:44:52.5						
	e S	N	07:49:18.6						
	e SP	Z	07:50:40.8						
	e PS	Z	07:51:26.1						
	e sS	E	07:52:02.3						
	e sSP	Z	07:53:02.4						
	e SS	N	07:55:13.8						
	e PKKPbc	Z	07:57:04.3			0.8		7	
	e sSS	E	07:57:43.3						
	e SSS	N	07:58:46.5						
	e L	Z	08:22:12.1			18.0		29387	6.7
CLZ	i P	- Z	07:39:20.3	87.3	41.8	1.6		1304	7.0
	e pP	Z	07:40:54.2						
	e sP	Z	07:41:34.7						
	e PP	Z	07:42:57.8						
	e sPP	Z	07:45:02.0						
	e S	E	07:49:24.1						
	e SP	Z	07:50:38.4						
	e PS	Z	07:51:29.5						
	e sS	E	07:52:13.2						
	e sSP	Z	07:53:13.9						
	e SS	N	07:55:24.2						
	e PKKPbc	Z	07:57:03.8			1.5		33	
	e sSS	E	07:57:54.5						
	e L	Z	08:26:54.4			18.0		25678	6.7
MOX	i P	- Z	07:39:21.8	87.7	42.7	2.0		1863	7.1
	e pP	Z	07:40:55.2						
	e sP	Z	07:41:38.1						
	e PP	Z	07:43:00.5						
	e sPP	Z	07:45:05.3						
	e S	E	07:49:28.2						
	e SP	Z	07:50:44.4						
	e PS	Z	07:51:37.0						
	e sS	E	07:52:16.6						
	e sSP	Z	07:53:16.3						
	e SS	N	07:55:30.2						
	e PKKPbc	Z	07:57:01.8			0.8		5	
	e sSS	E	07:57:58.6						
	e SSS	E	07:59:07.9						
	e L	Z	08:28:03.6			18.0		36228	6.8
WET	i P	- Z	07:39:24.5	88.2	43.6	1.8		1557	6.9
	e pP	Z	07:40:58.2						
	e sP	Z	07:41:40.1						
	e PP	Z	07:43:04.1						
	e sPP	Z	07:45:08.9						
	e S	E	07:49:34.2						

	e SP	Z	07:50:44.4						
	e PS	Z	07:51:45.9						
	e sS	E	07:52:24.8						
	e sSP	Z	07:53:24.7						
	e SS	N	07:55:39.5						
	e PKKPbc	Z	07:57:01.0			0.8		3	
	e sSS	E	07:58:08.5						
	e SSS	E	07:59:19.7						
	e L	Z	08:22:05.1			18.0		38778	6.9
TNS	i P	- Z	07:39:29.6	89.4	40.3	1.6		793	6.7
	e pP	Z	07:41:05.0						
	e sP	Z	07:41:42.1						
	e PP	Z	07:43:12.6						
	e sPP	Z	07:45:18.3						
	e S	E	07:49:44.2						
	e SP	Z	07:50:56.2						
	e PS	Z	07:51:51.9						
	e sS	E	07:52:35.0						
	e sSP	Z	07:53:41.5						
	e SS	N	07:55:53.4						
	e PKKPbc	Z	07:56:58.2			0.9		4	
	e sSS	E	07:58:20.4						
	e L	Z	08:28:05.2			18.0		27841	6.7
FUR	i P	- Z	07:39:31.4	89.7	42.4	2.0		6136	7.5
	e pP	Z	07:41:01.2						
	e sP	Z	07:41:45.4						
	e PP	Z	07:43:16.0						
	e sPP	Z	07:45:21.6						
	e S	E	07:49:46.5						
	e SP	Z	07:50:59.4						
	e PS	Z	07:52:00.3						
	e sS	E	07:52:38.0						
	e sSP	Z	07:53:42.7						
	e SS	N	07:56:00.0						
	e PKKPbc	Z	07:56:57.8			0.9		14	
	e sSS	E	07:58:31.3						
	e L	Z	08:26:17.4			18.0		33056	6.8
STU	i P	- Z	07:39:33.2	90.1	40.9	1.1		1094	7.0
	e pP	Z	07:41:06.4						
	e sP	Z	07:41:49.4						
	e PP	Z	07:43:18.4						
	e sPP	Z	07:45:24.4						
	e S	E	07:49:49.2						
	e SP	Z	07:51:05.3						
	e sS	E	07:52:42.6						
	e sSP	Z	07:53:47.0						
	e SS	N	07:56:03.8						
	e PKKPbc	Z	07:56:57.9			0.8		5	
	e sSS	E	07:58:36.2						

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 13:02:07.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/06	13:04:52.4			N				SZGRF
2000/08/06	13:05:10.6	48.637N	142.100E	33N	4.5			NEIC

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:16:39.7	73.0	31.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/06	17:52:43.1	3.290N	94.370E	33.0N	4.9			SZGRF

Off west coast of northern Sumatra, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:05:05.7	83.1	93.1	1.3	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	03:39:21.0	12.037S	166.442E	33N	5.0	5.0		NEIC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 03:58:43.4	137.2	37.1					
	e pPKPdf	Z 03:58:58.7							
	e L	Z 05:02:13.8			20.8	290		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	05:23:36.4	28.981N	131.206E	10G	5.2	5.0		NEIC

Southeast of Ryukyu Islands, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:36:11.8	84.3	51.2					
GRA1	e P	Z 05:36:16.6	85.0	49.5	1.0	128	6.0		
	e pP	Z 05:36:26.8							
	e sP	Z 05:36:34.4							
	e SKSac	E 05:46:37.7							
	e S	N 05:46:44.4							
	e SS	N 05:52:13.2							
	e L	Z 06:18:04.2			21.3	1972		5.5	

WLF	e P	Z	05:36:27.8	87.5	45.8	1.0	41	5.7
BFO	i P	Z	05:36:25.1			1.4	27	5.4
	e SKSac	N	05:46:50.2					
	e S	N	05:47:11.4					
	e		05:47:25.4					
	e SS	E	05:52:56.9					
BRG	i P	Z	05:36:03.3			1.0	26	5.4
	i		05:36:14.7					
	e x	Z	05:36:20.5					
	e S	N	05:46:22.4					
	e		05:46:41.8					
	e SS	E	05:51:48.7					
BSEG	i P	Z	05:36:02.0			0.9	32	5.6
	i		05:36:13.4					
	e x	Z	05:36:20.0					
	e S	N	05:46:17.7					
	e SS	E	05:51:48.4					
BUG	i P	Z	05:36:18.5			1.1	54	5.6
	e x	Z	05:36:35.9					
	e SKSac	E	05:46:42.3					
	e S	N	05:46:57.9					
	e		05:47:12.9					
	e SS	E	05:52:32.0					
CLL	i P	Z	05:36:04.6			0.9	51	5.8
	i		05:36:15.6					
	e x	Z	05:36:22.2					
	e S	N	05:46:24.6					
	e		05:46:44.3					
	e SS	E	05:51:52.8					
CLZ	i P	Z	05:36:10.0			1.1	123	6.1
	i		05:36:20.9					
	e x	Z	05:36:27.4					
FUR	i P	Z	05:36:21.0			0.9	108	6.0
	i		05:36:31.8					
	e x	Z	05:36:38.8					
	e SKSac	E	05:46:39.6					
	e S	N	05:47:01.7					
	e		05:47:13.6					
	e SS	E	05:52:35.7					
IBBN	i P	Z	05:36:13.5			1.0	81	5.9
	e x	Z	05:36:31.1					
MOX	i P	Z	05:36:10.8			1.0	44	5.6
	i		05:36:21.6					
	e x	Z	05:36:28.0					
	e S	N	05:46:37.9					
	e		05:46:55.7					
	e SS	E	05:52:12.0					
STU	i P	Z	05:36:22.9			0.9	38	5.5
	i		05:36:35.1					

TNS	i P	Z	05:36:20.8			1.0	50	5.6
	e x	Z	05:36:37.6					
	e SKSac	E	05:46:44.9					
	e S	N	05:47:02.3					
	e		05:47:14.2					
	e SS	E	05:52:38.1					
WET	i P	Z	05:36:13.6			1.0	26	5.4
	i		05:36:23.1					
	e x	Z	05:36:29.9					
	e S	N	05:46:40.4					
	e		05:47:00.8					
	e SS	E	05:52:22.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	13:35:11.3			N				SZGRF
North Atlantic Ocean								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:40:26.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	14:33:56.0	6.968S	123.468E	649D	6.4			NEIC
Banda Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	i PKPdf	- Z 14:47:26.5			1.4	16			
	e pPdiff	Z 14:49:47.8							
	e PKiKP	Z 14:51:19.7			1.3	96			
	e PP	Z 14:52:17.0			5.2	941			
	e pPP	Z 14:54:24.0							
	e sPP	Z 14:55:23.2							
	e Sdiff	N 14:58:46.6							
	e SP	Z 15:00:45.6							
	e PS	Z 15:01:54.4							
	i PKKPbc	+ Z 15:02:15.9			0.6	14			
	e PKKPbab	Z 15:02:27.2			1.1	15			
	e sSP	Z 15:04:53.8							
	e	15:05:57.5							
	e PKPPKP	Z 15:10:42.5							
	e sSS	N 15:10:46.7							
	e L	Z 15:39:54.5			20.0	2199		5.7	
BRG	i Pdiff	- Z 14:47:08.7			1.2	70			
	e pPdiff	Z 14:49:26.3							

	e sPdiff	Z	14:50:30.8				
	i PKPdf	- Z	14:51:12.5	1.0	103		
	e PP	Z	14:51:48.1	6.0	1633		
	e pPP	Z	14:53:49.2				
	e sPP	Z	14:54:54.3				
	e Sdiff	N	14:58:07.4				
	e SP	Z	15:00:05.4				
	e PS	Z	15:01:15.3				
	i PKKPbc	- Z	15:02:28.9	1.0	53		
	e PKKPbab	Z	15:02:45.7	1.2	27		
	e sSP	Z	15:04:07.8				
	e		15:05:01.8				
	e sSS	N	15:09:44.2				
	e PKPPKP	Z	15:10:50.2				
	e pPKPPKP	Z	15:13:25.5				
	e L	Z	15:37:21.8	20.0	2141	5.7	
BSEG	i Pdiff	- Z	14:47:16.4	1.4	88		
	e pPdiff	Z	14:49:32.6				
	e sPdiff	Z	14:50:36.0				
	i PKPdf	- Z	14:51:15.5	1.0	216		
	e PP	Z	14:52:00.2	6.4	2376		
	e pPP	Z	14:54:01.3				
	e sPP	Z	14:55:03.4				
	e Sdiff	N	14:58:33.8				
	e SP	Z	15:00:18.4				
	e PS	Z	15:01:29.0				
	i PKKPbc	- Z	15:02:24.5	0.9	66		
	e PKKPbab	Z	15:02:39.2	0.9	25		
	e sSP	Z	15:04:20.0				
	e		15:05:22.8				
	e sSS	N	15:10:02.1				
	e PKPPKP	Z	15:10:47.4				
	e pPKPPKP	Z	15:13:22.4				
	e L	Z	15:38:52.0	20.0	2169	5.7	
BUG	i PKPdf	Z	14:47:26.7	1.5	58		
	e pPdiff	Z	14:49:44.9				
	e sPdiff	Z	14:50:50.3				
	e PKiKP	Z	14:51:20.3	0.8	216		
	e PP	Z	14:52:15.9	6.1	1565		
	e pPP	Z	14:54:18.8				
	e sPP	Z	14:55:21.5				
	e Sdiff	N	14:58:48.9				
	e SP	Z	15:00:41.7				
	e PS	Z	15:01:52.5				
	i PKKPbc	+ Z	15:02:16.8	0.8	66		
	e PKKPbab	Z	15:02:27.8	1.1	52		
	e sSP	Z	15:04:50.3				
	e		15:05:51.4				
	e PKPPKP	Z	15:10:42.8				

	e sSS	N	15:10:43.9			
	e L	Z	15:40:07.3	18.0	2515	5.8
CLL	i Pdiff	- Z	14:47:10.9	1.3	42	
	e pPdiff	Z	14:49:28.6			
	e sPdiff	Z	14:50:33.8			
	i PKPdf	+ Z	14:51:13.4	0.9	124	
	e PP	Z	14:51:51.9	6.1	1358	
	e pPP	Z	14:53:50.1			
	e sPP	Z	14:54:55.8			
	e Sdiff	N	14:58:15.1			
	e SP	Z	15:00:09.0			
	e PS	Z	15:01:18.7			
	i PKKPbc	- Z	15:02:27.2	1.0	64	
	e PKKPbab	Z	15:02:43.0	1.6	60	
	e sSP	Z	15:04:13.8			
	e		15:05:07.8			
	e sSS	N	15:09:54.7			
	e PKPPKP	Z	15:10:49.6			
	e pPKPPKP	Z	15:13:25.5			
	e L	Z	15:37:43.5	22.0	2729	5.8
CLZ	i Pdiff	- Z	14:47:18.2	1.4	72	
	e pPdiff	Z	14:49:37.8			
	i PKPdf	Z	14:51:16.6	0.9	343	
	e PP	Z	14:52:02.4	6.3	1591	
	e pPP	Z	14:54:04.1			
	e sPP	Z	14:55:09.2			
	e Sdiff	N	14:58:33.8			
	e SP	Z	15:00:23.9			
	e PS	Z	15:01:40.4			
	i PKKPbc	+ Z	15:02:23.3	0.9	47	
	e PKKPbab	Z	15:02:36.5	1.5	82	
	e sSP	Z	15:04:28.0			
	e		15:05:28.2			
	e sSS	N	15:10:12.6			
	e PKPPKP	Z	15:10:47.0			
	e pPKPPKP	Z	15:13:22.5			
	e L	Z	15:41:11.4	20.0	2268	5.7
FUR	i Pdiff	- Z	14:47:18.8	1.2	52	
	e pPdiff	Z	14:49:38.6			
	e sPdiff	Z	14:50:37.8			
	i PKPdf	Z	14:51:16.7	1.4	543	
	e PP	Z	14:52:02.5	4.5	1576	
	e pPP	Z	14:54:06.6			
	e sPP	Z	14:55:08.7			
	e Sdiff	N	14:58:37.5			
	e SP	Z	15:00:22.7			
	e PS	Z	15:01:34.9			
	i PKKPbc	+ Z	15:02:22.4	0.8	59	
	e PKKPbab	Z	15:02:36.7	1.1	67	

	e sSP	Z	15:04:33.8			
	e sSS	N	15:10:13.7			
	e PKPPKP	Z	15:10:45.8			
	e L	Z	15:38:43.1	20.0	2031	5.7
GRA1	i Pdiff	- Z	14:47:18.3	1.7	56	
	i PKPdf	+ Z	14:51:16.6	1.0	115	
	e PP	Z	14:52:02.1	5.0	1563	
	e pPP	Z	14:54:05.5			
	e sPP	Z	14:55:06.5			
	e SP	Z	15:00:27.0			
	e PS	Z	15:01:30.3			
	i PKKPbc	- Z	15:02:23.5	1.0	30	
	e PKKPbab	Z	15:02:37.3	1.3	37	
	e sSP	Z	15:04:33.6			
	e		15:05:32.0			
	e PKPPKP	Z	15:10:47.6			
	e pPKPPKP	Z	15:13:22.2			
	e L	Z	15:38:34.6	22.0	2551	5.8
IBBN	i Pdiff	- Z	14:47:24.9	1.6	110	
	e pPdiff	Z	14:49:45.2			
	e sPdiff	Z	14:50:41.4			
	i PKPdf	Z	14:51:19.1	1.2	297	
	i PKKPbc	Z	15:02:18.9	1.1	68	
	e PKKPbab	Z	15:02:30.6	1.0	54	
MOX	i Pdiff	- Z	14:47:15.7	1.2	41	
	e pPdiff	Z	14:49:33.7			
	e sPdiff	Z	14:50:34.3			
	i PKPdf	+ Z	14:51:15.5	1.0	68	
	e Sdiff	N	14:58:32.4			
	i PKKPbc	- Z	15:02:24.5	1.0	41	
	e sSS	N	15:10:04.2			
	e PKPPKP	Z	15:10:47.4			
	e pPKPPKP	Z	15:13:21.9			
RGN	e Pdiff	Z	14:47:07.7			
	e PP	Z	14:51:46.3	6.1	2039	
	e pPP	Z	14:53:50.3			
	e sPP	Z	14:54:56.6			
	e Sdiff	N	14:58:08.4			
	e SP	Z	15:00:00.3			
	e PS	Z	15:01:05.7			
	e sSP	Z	15:03:56.3			
	e		15:04:56.5			
	e sSS	N	15:09:42.1			
	e L	Z	15:41:25.5	18.0	1982	5.7
STU	i Pdiff	- Z	14:47:24.6			
	e pPdiff	Z	14:49:45.9			
	e sPdiff	Z	14:50:47.6			
	i PKPdf	Z	14:51:18.9	1.2	271	
	e PP	Z	14:52:12.6	4.8	1436	

	e pPP	Z	14:54:19.6				
	e sPP	Z	14:55:18.8				
	e Sdiff	N	14:58:39.5				
	e SP	Z	15:00:37.8				
	e PS	Z	15:01:48.3				
	i PKKPbc	+ Z	15:02:18.6	0.7	130		
	e PKKPbab	Z	15:02:30.7	0.7	21		
	e sSP	Z	15:04:44.1				
	e		15:05:46.0				
	e sSS	N	15:10:26.3				
	e PKPPKP	Z	15:10:44.7				
	e L	Z	15:46:33.9	18.0	1943		5.7
TNS	i Pdiff	- Z	14:47:25.2	1.2	27		
	e pPdiff	Z	14:49:43.3				
	e sPdiff	Z	14:50:44.2				
	i PKPdf	Z	14:51:19.2	0.9	145		
	e PP	Z	14:52:14.1	5.9	1120		
	e pPP	Z	14:54:17.0				
	e sPP	Z	14:55:20.3				
	e Sdiff	N	14:58:48.5				
	e SP	Z	15:00:37.6				
	e PS	Z	15:01:47.8				
	i PKKPbc	+ Z	15:02:18.1	0.9	39		
	e PKKPbab	Z	15:02:29.1	1.1	25		
	e sSP	Z	15:04:45.6				
	e		15:05:46.7				
	e sSS	N	15:10:26.3				
	e PKPPKP	Z	15:10:43.2				
	e pPKPPKP	Z	15:13:19.6				
	e L	Z	15:41:30.5	22.0	2004		5.7
WET	i Pdiff	- Z	14:47:13.7	1.0	25		
	e pPdiff	Z	14:49:31.7				
	e sPdiff	Z	14:50:37.1				
	i PKPdf	- Z	14:51:14.4	1.6	230		
	e PP	Z	14:51:54.2	5.3	1119		
	e pPP	Z	14:53:53.5				
	e sPP	Z	14:54:57.4				
	e Sdiff	N	14:58:26.7				
	e SP	Z	15:00:15.7				
	e PS	Z	15:01:18.8				
	i PKKPbc	- Z	15:02:25.7	1.7	66		
	e PKKPbab	Z	15:02:41.2	1.3	58		
	e sSP	Z	15:04:13.1				
	e		15:05:13.3				
	e sSS	N	15:09:54.7				
	e PKPPKP	Z	15:10:48.5				
	e pPKPPKP	Z	15:13:22.5				
	e L	Z	15:38:52.1	20.0	2273		5.7

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	16:19:39.0	54.310N	29.970W	20.5		4.2		SZGRF

North Atlantic Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:25:07.1	25.4	296.4					
	e pP	Z 16:25:12.3							
	e L	Z 16:51:14.0			20.2	832		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/07	21:58:33.8	51.460N	15.980E	1.0G			2.7	SZGRF
2000/08/07	21:58:31.0	51.576N	16.077E	5G				NEIC

Poland

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pg	Z 21:58:59.6	1.5	61.4					2.5
	e Sg	N 21:59:19.1							
CLL	e Pn	Z 21:59:06.9	1.9	80.8					2.4
	e Sg	N 21:59:32.7							
MOX	e Pn	Z 21:59:20.8	3.0	69.9					2.9
	e Sg	N 22:00:04.2							
GEC2	e Pn	Z 21:59:22.5	3.1	28.2					
	e Sg	N 22:00:08.9							
WET	e Pn	Z 21:59:22.4	3.2	38.8					2.6
	e Sg	N 22:00:10.2							
GRA1	e Sg	N 22:00:26.3	3.6	56.7					3.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	01:15: 4.4	42.130N	78.710E	33.0N	5.2	4.3		SZGRF
2000/08/08	01:15:13.1	42.010N	76.570E		5.2			GRSN
2000/08/08	01:15:10.1	42.193N	76.839E	33N	5.3	4.2		NEIC

Lake Issyk-Kul, Kyrgyzstan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	Z 01:23:07.4	42.8	76.2	1.7	47	4.9		
CLL	i P	Z 01:23:11.1	43.2	76.1	0.8	21	5.1		
GEC2	i P	Z 01:23:13.5	43.4	74.0	1.4	41	5.2		
WET	i P	Z 01:23:16.9	43.9	73.8	1.2	26	5.0		
BSEG	i P	Z 01:23:19.5	44.2	77.0	0.9	31	5.2		
MOX	i P	Z 01:23:19.3	44.3	74.6	1.4	34	5.2		
CLZ	i P	Z 01:23:23.1	44.7	75.0	1.2	15	4.9		
GRA1	i P	Z 01:23:24.6	44.8	73.4	1.3	88	5.6		
	e L	Z 01:42:12.6			18.7	307		4.3	

FUR	i P	Z	01:23:27.6	45.2	72.0	1.1	112	5.9
STU	i P	Z	01:23:35.8	46.3	71.4	1.3	57	5.6
TNS	i P	Z	01:23:35.9	46.3	72.3	1.0	14	5.1
BFO	i P	Z	01:23:41.1	47.0	70.5	1.1	40	5.4
WLF	i P	Z	01:23:48.2	47.9	70.5	1.1	20	5.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	01:29:4.8	22.490S	176.930E	500.0G				GRSN
2000/08/08	01:28:56.1	24.765S	179.981E	483?	4.5			NEIC

East of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z	01:48:14.4	150.6	27.7	1.5	13			
BSEG	e PKPdf	Z	01:47:47.4	147.0	23.1	1.1	4			
	i PKPbc	- Z	01:47:50.6			1.0	24			
	e PKPab	Z	01:47:58.4							
CLL	e PKPdf	Z	01:47:47.9	148.6	29.4					
	i PKPbc	- Z	01:47:54.8			0.7	23			
	e PKPab	Z	01:48:05.6							
	e		01:48:20.7							
BRG	e PKPdf	Z	01:47:48.3	148.7	31.3					
	i PKPbc	- Z	01:47:55.1			1.2	18			
	e PKPab	Z	01:48:06.5			0.9	8			
	e		01:48:21.1							
CLZ	e PKPdf	Z	01:47:47.7	148.9	24.5					
	i PKPbc	- Z	01:47:55.4			0.9	17			
	e PKPab	Z	01:48:06.7			0.8	7			
	e		01:48:21.5							
IBBN	e PKPab	Z	01:48:06.5	149.0	19.7	1.2	27			
MOX	e PKPbc	Z	01:47:56.9	149.6	27.6					
	e PKPab	Z	01:48:09.9			1.5	10			
BUG	e PKPbc	Z	01:47:58.1	150.0	19.3	0.5	6			
WET	e PKPbc	Z	01:48:00.5	150.5	31.0					
	e PKPab	Z	01:48:14.9			0.9	6			
TNS	e PKPbc	Z	01:47:59.5	150.8	22.2	0.7	6			
	e PKPab	Z	01:48:14.4			1.0	8			
FUR	e PKPab	Z	01:48:20.6	151.9	29.1	0.9	14			
STU	e PKPab	Z	01:48:19.9	152.0	24.7	0.9	9			
BFO	e PKPbc	Z	01:48:09.5	152.6	23.4					
	e PKPab	Z	01:48:22.3			0.8	5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	05:58:11.9	33.730N	139.860E	33.0N	5.1			SZGRF

2000/08/08 05:58:07.6 33.885N 139.121E 10G 4.3 NEIC
Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:10:44.3	84.5	41.2	0.8	10	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	17:57:48.7	63.230N	24.590W	21.5		4.8		SZGRF
2000/08/08	17:57:41.7	62.336N	25.927W	10G	5.1	4.9		NEIC

Iceland region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
GRA1	i P	+ Z 18:02:56.1	23.8	316.0						
	e pP	Z 18:03:01.3								
	e S	N 18:07:16.8								
	e L	Z 18:12:45.6								
BFO	i P	Z 18:02:53.3				3374	5.4		4.8	
	e S	N 18:07:10.3								
	e L	Z 18:12:09.7								
BRG	i P	+ Z 18:02:59.5				2400	5.1		4.7	
	e S	N 18:07:21.0								
	e L	Z 18:12:43.5								
BSEG	i P	Z 18:02:21.3				2827	5.3		4.8	
	e S	N 18:06:10.9								
	e L	Z 18:11:59.4								
BUG	i P	Z 18:02:24.5				2350	5.2		4.6	
	e S	E 18:06:14.2								
	e L	Z 18:09:46.9								
CLL	i P	Z 18:02:52.4				4720	5.4		4.8	
	e S	N 18:07:09.3								
	e L	Z 18:12:21.9								
CLZ	i P	+ Z 18:02:36.5				3144	5.7		4.8	
	e S	N 18:06:42.5								
	e L	Z 18:11:42.0								
FUR	i P	Z 18:03:06.4				2022	5.4		4.6	
	e S	E 18:07:34.6								
	e L	Z 18:12:24.4								
IBBN	i P	Z 18:02:21.6				3643	5.1		4.9	
	MOX	i P								Z 18:02:50.3
	e S	N 18:07:06.9								
RGN	e L	Z 18:12:26.7				2482			4.7	
	e S	N 18:06:35.8								
	e L	Z 18:09:46.9								
STU	i P	+ Z 18:02:54.6				2392	5.4		4.6	
	e S	N 18:07:12.3								
	e L	Z 18:10:49.3								
TNS	i P	+ Z 18:02:39.0				2507	5.2		4.7	

	e S	N	18:06:46.0							
	e L	Z	18:10:18.5	20.0	4708			4.9		
WET	i P	- Z	18:03:07.7	1.3	54		5.1			
	e S	E	18:07:35.8							
	e L	Z	18:13:57.8	20.0	2370			4.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	19:29:30.5	34.580N	140.660E	33.0N	4.9			SZGRF
2000/08/08	19:29:26.6	34.498N	139.141E	10G	4.7	3.5		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:42:00.9	84.0	40.8	1.0	8	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08	19:27:50.7	18.360S	169.460W	43.8				GRSN

Tonga Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e PKPbc	Z	19:47:25.5	146.0	355.3	1.5	38			
	e pPKPbc	Z	19:47:38.8							
CLZ	e PKPbc	Z	19:47:26.8	146.5	359.7	1.3	20			
	e pPKPbc	Z	19:47:42.1							
BUG	e PKPbc	Z	19:47:28.4	146.8	354.3					
	e pPKPbc	Z	19:47:43.5							
CLL	i PKPbc	+ Z	19:47:27.8	147.0	4.3	1.3	28			
	e pPKPbc	Z	19:47:40.8							
BRG	i PKPbc	+ Z	19:47:29.0	147.4	6.0	1.6	26			
	e pPKPbc	Z	19:47:42.5							
MOX	i PKPbc	+ Z	19:47:30.3	147.7	1.9	1.5	27			
	e pPKPbc	Z	19:47:43.4							
TNS	i PKPbc	+ Z	19:47:32.0	148.1	356.2	1.6	17			
	e pPKPbc	Z	19:47:45.4							
GRA1	i PKPbc	+ Z	19:47:33.8	148.7	1.2	1.5	16			
	e pPKPbc	Z	19:47:45.0							
WET	i PKPbc	+ Z	19:47:34.6	149.2	4.3	1.8	21			
STU	i PKPbc	+ Z	19:47:35.9	149.6	357.5	0.7	12			
BFO	i PKPbc	+ Z	19:47:37.1	150.0	355.8	1.2	20			
	e pPKPbc	Z	19:47:49.3							
FUR	i PKPbc	+ Z	19:47:37.5	150.2	1.4	1.9	74			
	e pPKPbc	Z	19:47:49.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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./2000/bul0008.txt

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2000/08/08	21:31:47.8	45.490N	10.880E	10.0G	3.2	SZGRF
2000/08/08	21:31:12.8	42.758N	12.940E	10G		NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	21:32:44.6	6.1	185.3					3.2
	e Sg	N	21:33:50.9							
WET	e Pn	Z	21:32:48.8	6.4	179.6					3.1
	e Sg	N	21:33:52.7							
MOX	e Pn	Z	21:33:06.4	7.9	172.9					3.3
	e Sg	N	21:34:31.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/08								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	23:31:59.0							
	e		23:32:07.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	22:55:59.3	16.889S	174.363E	33N	5.8	6.3		NEIC

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z	23:15:39.2			1.3	162			
	e PP	Z	23:18:59.4							
	e SS	E	23:38:08.9							
	e SSS	E	23:43:33.3							
	e L	Z	00:18:01.8							
BRG	e PKPdf	Z	23:15:29.5			1.4	4671		6.2	
	e PP	Z	23:18:40.7							
	e SKSac	Z	23:22:28.1							
	e SKKSdf	N	23:31:56.7							
	e SS	N	23:37:13.2							
BSEG	e SSS	E	23:42:32.0			22.0	10028		6.5	
	e L	Z	00:16:31.8							
	e PKPdf	Z	23:15:25.5							
	e PP	Z	23:18:31.0							
	e SKKSdf	N	23:31:59.9							
BUG	e SS	E	23:37:04.6			22.0	7067		6.4	
	e SSS	E	23:42:07.4							
	e L	Z	00:13:56.7							
	e PKPdf	Z	23:15:32.6							
	e SS	E	23:37:31.8							
	e SSS	E	23:42:54.6			2.7	232			

	e L	Z	00:22:55.0	20.0	5320	6.3
CLL	e PKPdf	Z	23:15:26.0	1.0	18	
	e PP	Z	23:18:41.7			
	e SKSac	Z	23:22:29.5			
	e SKKSdf	N	23:31:54.0			
	e SS	N	23:37:11.6			
	e SSS	E	23:42:12.7			
	e L	Z	00:15:43.8	22.0	10748	6.6
CLZ	e PKPdf	Z	23:15:29.5	1.3	32	
	e PP	Z	23:18:41.5			
	e SKSac	Z	23:22:32.7			
	e SKKSdf	E	23:32:05.9			
	e SS	E	23:37:20.6			
	e SSS	E	23:42:34.7			
	e L	Z	00:20:43.8	22.0	6290	6.3
FUR	e PKPdf	Z	23:15:36.9	1.9	660	
	e PP	Z	23:18:57.6			
	e SS	N	23:38:07.2			
	e SSS	E	23:43:24.0			
	e L	Z	00:18:29.5	22.0	11777	6.6
GEC2	e PKPdf	Z	23:15:31.6	1.5	61	
GRA1	e PKPdf	Z	23:15:33.0	1.6	178	
	e SS	N	23:37:48.5			
	e SSS	E	23:43:08.5			
	e L	Z	00:16:30.1	22.0	5260	6.3
IBBN	e PKPdf	Z	23:15:30.3	0.9	30	
MOX	e PKPdf	Z	23:15:31.8	2.2	123	
	e PP	Z	23:18:44.4			
	e SKSac	Z	23:22:32.5			
	e SS	N	23:37:28.6			
	e SSS	E	23:42:41.6			
	e L	Z	00:16:25.9	22.0	7151	6.4
RGN	e PP	Z	23:18:22.1			
	e SKSac	Z	23:22:41.2			
	e SKKSdf	N	23:32:02.1			
	e SS	E	23:36:45.6			
	e SSS	E	23:41:53.5			
	e L	Z	00:14:12.7	22.0	6463	6.3
RUE	e PKPdf	Z	23:15:27.8	1.2	28	
	e PP	Z	23:18:28.4			
	e SKKSdf	N	23:31:54.7			
	e SS	E	23:37:07.7			
	e SSS	E	23:42:11.1			
	e L	Z	00:18:43.1	22.0	7415	6.4
STU	e PKPdf	Z	23:15:37.3	1.6	292	
	e PP	Z	23:19:00.5			
	e SS	E	23:37:57.7			
	e SSS	E	23:43:31.7			
	e L	Z	00:21:00.4	20.0	3799	6.2

TNS	e PKPdf	Z	23:15:33.5		1.4	91		
	e SKSac	Z	23:22:40.9					
	e SS	N	23:37:58.4					
	e SSS	E	23:43:14.1					
	e L	Z	00:18:21.4		20.0	7100	6.4	
WET	e PKPdf	Z	23:15:32.1		2.0	188		
	e SKSac	Z	23:22:50.0					
	e SS	N	23:37:46.7					
	e SSS	E	23:43:02.4					
	e L	Z	00:17:37.2		22.0	12098	6.6	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/09 00:08:41.9 15.693S 167.980E 33N 6.3 6.0 NEIC
 Vanuatu Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z	00:28:10.6			2.2	278			
	e PP	Z	00:31:27.3							
	e SKKSac	N	00:38:22.5							
	e PPS	N	00:43:58.6							
	e SS	N	00:50:15.0							
	e SKSSKS	N	00:51:42.3							
BRG	e L	Z	01:36:50.7			20.0	4176		6.2	
	e PKPdf	Z	00:28:01.6							
	e PP	Z	00:30:57.3							
	e SKP	Z	00:31:42.1			2.3	94			
	e SKKSac	N	00:37:54.4							
	e SKSP	Z	00:41:13.6							
	e PPS	N	00:43:19.5							
	e SS	N	00:49:07.8							
	e SKSSKS	N	00:51:00.6							
	e L	Z	01:35:00.5			20.0	5314		6.3	
BSEG	e PKPdf	Z	00:27:56.8			2.2	130			
	e PP	Z	00:30:53.5							
	e SKP	Z	00:31:38.7			2.9	550			
	e SKKSac	N	00:37:45.2							
	e SKSP	Z	00:41:06.5							
	e PPS	N	00:43:10.9							
	e SS	N	00:49:02.4							
	e SKSSKS	N	00:50:53.3							
	e L	Z	01:29:45.1			20.0	6057		6.3	
	BUG	e PKPdf	Z	00:28:06.5			2.2	158		
e PP		Z	00:31:14.8							
e SKP		Z	00:31:48.7							
e SKKSac		N	00:38:09.8							

	e PPS	N	00:43:33.6			
	e SS	N	00:49:48.1			
	e SKSSKS	N	00:51:22.2			
	e L	Z	01:31:33.1	22.0	5345	6.3
CLL	e PKPdf	Z	00:27:57.6	1.7	64	
	e PP	Z	00:31:01.7			
	e SKP	Z	00:31:43.0	2.7	271	
	e SKKSac	N	00:37:50.0			
	e SKSP	Z	00:41:13.1			
	e PPS	N	00:43:19.0			
	e SS	N	00:49:25.9			
	e SKSSKS	N	00:51:01.4			
	e L	Z	01:31:41.3	18.0	5375	6.3
CLZ	e PKPdf	Z	00:27:59.8	2.0	102	
	e PP	Z	00:31:06.3			
	e SKP	Z	00:31:39.8			
	e SKKSac	N	00:38:01.6			
	e SKSP	Z	00:41:18.6			
	e PPS	N	00:43:25.8			
	e SS	N	00:49:29.6			
	e SKSSKS	N	00:51:07.2			
	e L	Z	01:33:25.6	20.0	5284	6.3
FUR	e PKPdf	Z	00:28:08.9	2.2	476	
	e PP	Z	00:31:20.8			
	e SKP	Z	00:31:58.3			
	e SKKSac	N	00:38:16.0			
	e SKSP	Z	00:41:33.1			
	e PPS	N	00:43:50.2			
	e SS	N	00:49:59.8			
	e SKSSKS	N	00:51:40.8			
	e L	Z	01:30:03.8	20.0	4656	6.2
GRA1	e PKPdf	Z	00:28:04.0	141.3	197	
	e PP	Z	00:31:14.2			
	e SKP	Z	00:31:54.6			
	e SKKSac	N	00:38:12.1			
	e SKSP	Z	00:41:29.6			
	e PPS	N	00:43:39.5			
	e SS	N	00:49:48.2			
	e SKSSKS	N	00:51:28.8			
	e L	Z	01:28:00.6	22.0	3756	6.1
IBBN	e PKPdf	Z	00:28:00.0	1.5	86	
	e PP	Z	00:31:04.9			
	e SKP	Z	00:31:45.5	3.6	855	
MOX	e PKPdf	Z	00:28:00.8	1.9	96	
	e PP	Z	00:31:08.4			
	e SKP	Z	00:31:44.2			
	e SKKSac	N	00:38:05.1			
	e SKSP	Z	00:41:21.7			
	e PPS	N	00:43:30.1			

	e SS	N	00:49:38.1						
	e SKSSKS	N	00:51:14.1						
	e L	Z	01:26:57.8	22.0	5364			6.3	
RGN	e PKPdf	Z	00:28:01.2						
	e PP	Z	00:30:44.1						
	e SKP	Z	00:31:32.9						
	e SKKSac	N	00:37:42.3						
	e SS	N	00:48:40.0						
	e L	Z	01:28:25.6	20.0	9081			6.5	
STU	e PKPdf	Z	00:28:08.9	2.1	287				
	e PP	Z	00:31:23.2						
	e SKKSac	N	00:38:20.2						
	e SKSP	Z	00:41:41.4						
	e PPS	E	00:43:51.5						
	e SS	N	00:50:01.1						
	e SKSSKS	N	00:51:36.1						
	e L	Z	01:31:01.7	20.0	4433			6.2	
TNS	e PKPdf	Z	00:28:06.4	2.3	146				
	e PP	Z	00:31:17.1						
	e SKP	Z	00:31:56.3						
	e SKKSac	N	00:38:14.7						
	e PPS	E	00:43:43.0						
	e SS	N	00:49:54.6						
	e SKSSKS	N	00:51:29.7						
	e L	Z	01:31:58.7	22.0	5503			6.3	
WET	e PKPdf	Z	00:28:04.3	2.5	219				
	e PP	Z	00:31:09.4						
	e SKP	Z	00:31:44.2	2.2	167				
	e SKKSac	N	00:38:09.8						
	e SKSP	Z	00:41:22.0						
	e SS	N	00:49:47.6						
	e SKSSKS	N	00:51:19.1						
	e L	Z	01:34:01.2	18.0	6050			6.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	01:02:27.3	45.040N	148.530E	33.0N	4.8			SZGRF
2000/08/09	01:02:35.2	44.304N	146.571E	125*	4.5			NEIC

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:14:24.2	78.3	30.9	1.4	13	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	01:42:14.1	15.540S	65.980E	16.5				SZGRF
2000/08/09	01:42:08.3	16.572S	66.545E	10G	4.7	4.9		NEIC

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:54:31.0	82.2	127.3					
	e pP	Z 01:54:35.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	02:18:1.8	57.560N	31.590W	49.6	4.5	4.2		SZGRF
2000/08/09	02:17:46.1	57.227N	33.769W	10G	4.7	4.2		NEIC

North Atlantic Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:23:32.8	27.3	303.4	1.2	16	4.5		
	e pP	Z 02:23:45.5							
	e L	Z 02:34:17.3			18.1	596		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	05:03:47.0	33.860N	72.630E	33.0N				SZGRF
2000/08/09	05:03:55.2	34.556N	70.926E	33N	4.5			NEIC

Pakistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:12:15.3	45.5	86.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	05:07:14.1	36.670N	69.760E	33.0N	4.5			SZGRF
2000/08/09	05:06:54.3	34.728N	71.033E	33N	4.6			NEIC

Hindu Kush, Afghanistan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:15:14.1	45.4	85.7	0.9	9	4.5		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	11:41:47.0	17.940N	102.610W	33.0N	6.4	6.6		SZGRF
2000/08/09	11:41:39.6	17.200N	100.120W		6.3	6.7		GRSN
2000/08/09	11:41:47.3	18.353N	102.341W	33N	6.0	6.4		NEIC

Near coast of Michoacan, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	i P	+ Z 11:54:33.1	86.9	294.4	1.4	300	6.2		
	e PKPPKP	Z 12:20:27.1							

BUG	i P	+ Z	11:54:33.6	86.9	294.1	1.4	180	6.0		
	e PP	Z	11:58:03.4							
	e SKSac	E	12:04:59.7							
	e S	N	12:05:14.1							
	e PS	Z	12:06:08.2							
	e SS	E	12:10:36.7							
	e PKKPbc	Z	12:12:22.9			0.9	15			
	e PKPPKP	Z	12:20:27.5			2.1	66			
	e L	Z	12:35:53.2			18.0	37592		6.8	
	BSEG	i P	+ Z	11:54:35.6	87.6	296.4	1.3	256	6.4	
e PP		Z	11:58:05.6							
e SKSac		E	12:05:02.6							
e S		N	12:05:17.5							
e PS		Z	12:06:16.1							
e SS		E	12:10:53.1							
e PKKPbc		Z	12:12:19.5			0.9	11			
i PKPPKP		Z	12:20:25.1			2.3	145			
e L		Z	12:38:31.7			18.0	21460		6.6	
TNS		i P	+ Z	11:54:39.2	88.1	295.0	1.4	251	6.4	
	e PP	Z	11:58:11.2							
	e SKSac	E	12:05:09.8							
	e S	N	12:05:26.7							
	e PS	Z	12:06:21.4							
	e SS	E	12:11:06.9							
	i PKPPKP	Z	12:20:22.9			3.0	164			
	e L	Z	12:33:47.0			20.0	21796		6.6	
	CLZ	i P	+ Z	11:54:40.7	88.5	296.5	1.4	341	6.4	
		e PP	Z	11:58:07.7						
e SKSac		E	12:05:08.3							
e S		N	12:05:26.0							
e PS		Z	12:06:24.2							
e SS		E	12:11:03.9							
e PKKPbc		Z	12:12:16.9			1.2	22			
e PKKPab		Z	12:13:01.3							
i PKPPKP		Z	12:20:22.2			2.8	206			
e L		Z	12:37:46.0			18.0	35257		6.8	
RGN	i P	+ Z	11:54:41.7	88.8	298.8	1.7	432	6.4		
	e PP	Z	11:58:11.4							
	e SKSac	E	12:05:06.9							
	e S	N	12:05:38.2							
	e PS	Z	12:06:30.7							
	e SS	E	12:11:19.4							
	e L	Z	12:35:12.9			22.0	17681		6.4	
	BFO	i P	+ Z	11:54:41.9	88.9	295.0	3.5	454	6.1	
		e PP	Z	11:58:17.9						
		e SKSac	E	12:05:12.9						
e S		N	12:05:33.0							
e PS		Z	12:06:27.2							
e SS		E	12:11:13.8							

	e	PKKPbc	Z	12:12:18.1			1.3	15		
	e	PKKPab	Z	12:12:59.3						
	i	PKPPKP	Z	12:20:21.1			3.4	300		
	e	L	Z	12:37:30.3			18.0	31028	6.8	
STU	i	P	+ Z	11:54:44.0	89.2	295.6	2.9	608	6.3	
	e	PP	Z	11:58:20.4						
	e	SKSac	E	12:05:14.5						
	e	S	N	12:05:40.3						
	e	PS	Z	12:06:31.9						
	e	SS	E	12:11:24.4						
	e	L	Z	12:35:06.1			22.0	27391	6.6	
MOX	i	P	+ Z	11:54:46.0	89.8	297.5	2.7	619	6.4	
	e	PP	Z	11:58:21.1						
	e	SKSac	E	12:05:18.0						
	e	S	N	12:05:47.9						
	e	PS	Z	12:06:42.7						
	e	SS	E	12:11:30.0						
	e	PKKPbc	Z	12:12:13.6						
	i	PKPPKP	Z	12:20:19.5			2.0	45		
	e	L	Z	12:37:41.1			18.0	29606	6.8	
GRA1	i	P	+ Z	11:54:47.9	90.0	297.2	2.6	773	6.5	
	e	PP	Z	11:58:19.3						
	e	SKSac	E	12:05:20.1						
	e	S	N	12:05:48.9						
	e	PS	Z	12:06:45.0						
	e	SS	E	12:11:31.7						
	e	PKKPbc	Z	12:12:13.6			1.5	28		
	i	PKPPKP	Z	12:20:20.5			3.1	232		
	e	L	Z	12:36:16.4			20.0	24501	6.6	
RUE	i	P	Z	11:54:47.6	90.1	299.1	3.3	1179	6.5	
	e	PP	Z	11:58:18.7						
	e	SKSac	E	12:05:15.9						
	e	S	N	12:05:48.8						
	e	PS	Z	12:06:42.0						
	e	SS	E	12:11:37.6						
	e	L	Z	12:40:37.5			18.0	27741	6.7	
CLL	i	P	+ Z	11:54:47.7	90.2	298.5	2.2	452	6.3	
	e	PP	Z	11:58:22.9						
	e	SKSac	E	12:05:17.0						
	e	S	N	12:05:49.6						
	e	PS	Z	12:06:48.7						
	e	SS	E	12:11:36.3						
	e	PKKPbc	Z	12:12:13.1			1.4	17		
	e	PKKPab	Z	12:12:56.5						
	i	PKPPKP	Z	12:20:19.7			3.0	178		
	e	L	Z	12:38:48.2			18.0	35447	6.8	
FUR	i	P	Z	11:54:51.8	90.7	297.2	2.8	600	6.4	
	e	PP	Z	11:58:24.0						
	e	SKSac	E	12:05:18.2						

	e S	N	12:05:57.6								
	e PS	Z	12:06:50.2								
	e SS	E	12:11:43.9								
	e PKPPKP	Z	12:20:20.1								
	e L	Z	12:35:38.9			22.0	31927		6.7		
BRG	i P	+ Z	11:54:51.2	90.9	299.3	2.4	430	6.4			
	e PP	Z	11:58:25.7								
	e SKSac	E	12:05:18.5								
	e S	N	12:05:57.2								
	e PS	Z	12:06:54.0								
	e SS	E	12:11:47.4								
	e PKKPbc	Z	12:12:10.5			1.4	16				
	e PKKPab	Z	12:12:53.6								
	i PKPPKP	Z	12:20:18.4			3.2	205				
	e L	Z	12:39:18.6			18.0	32315		6.8		
WET	i P	+ Z	11:54:52.9	91.2	298.4	2.5	566	6.5			
	e PP	Z	11:58:29.2								
	e SKSac	E	12:05:24.3								
	e S	N	12:06:03.0								
	e PS	Z	12:06:49.3								
	e SS	E	12:11:53.3								
	e PKKPbc	Z	12:12:10.3			1.4	14				
	e PKPPKP	Z	12:20:17.0			3.2	169				
	e L	Z	12:35:41.8			22.0	32353		6.7		
GEC2	i P	Z	11:54:55.8	91.8	299.0	2.5	326	6.2			
	e PKKPbc	Z	12:12:08.4			1.6	13				
	i PKPPKP	Z	12:20:16.2			2.4	49				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/09	13:02:44.7	19.980N	101.410W	33.0N				SZGRF
2000/08/09	13:02:19.4	17.723N	102.136W	33N	4.7			NEIC

Michoacan, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:15:34.1	90.7	299.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/10	07:07:32.6	52.060N	142.890E	33.0N	5.1	4.9		SZGRF
2000/08/10	07:07:09.9	48.755N	142.251E	10N	5.0	4.7		NEIC

Sakhalin Island, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLZ	e P	Z 07:18:34.6	63.8	350.7					
BUG	e P	Z 07:18:41.2	63.8	349.2					
CLL	e P	Z 07:18:31.9	64.5	352.0					
BRG	e P	Z 07:18:32.3	65.0	352.5					

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MOX	e P	Z	07:18:36.6	65.1	351.4							
TNS	e P	Z	07:18:46.1	65.2	349.9							
GRA1	e P	Z	07:18:43.2	66.0	351.3	1.4	26	5.2				
	e L	Z	07:54:23.2			19.1	614	4.9				
WET	e P	Z	07:18:43.5	66.7	352.1	1.3	12	4.9				
BFO	e P	Z	07:18:57.1	67.0	350.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/10	22:59:38.5			N				SZGRF
2000/08/10	22:59:33.1	15.173N	93.547W	33N	4.3			NEIC

Chiapas, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:12:20.3	87.7	290.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/11	06:34:18.0	70.810N	8.810W	33.0N	4.6	3.1		SZGRF
2000/08/11	06:34:14.0	70.904N	6.387W	10G	4.3			NEIC

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:39:21.2	22.7	345.2	0.9	16	4.6		
	e L	Z 06:46:48.5			21.4	69		3.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/11	16:19:12.6	16.103S	174.004W	33N	4.4			NEIC

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA3	e PKPdf	Z 16:38:51.8	146.1	9.2					
	e pPKPdf	Z 16:39:16.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/11	17:31:14.7	17.715S	70.199W	57D	5.2			NEIC

Near coast of Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:44:46.6	98.1	252.0					
	e pP	Z 17:45:02.8							
	e L	Z 18:25:38.6			19.1	83		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/11	21:54:10.6	23.640S	172.040E			4.9		GRSN
2000/08/11	21:54:12.3	23.391S	170.831E	33N	5.1	4.7		NEIC

Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e L	Z	23:10:07.1	145.3	35.7	20.0				
BSEG	e PKPbc	Z	22:13:48.8	146.7	31.6	2.0	86			
	e x	Z	22:13:53.5							
	e		22:13:59.3							
RUE	e L	Z	23:12:22.1	146.8	38.2	20.0	238		5.0	
BRG	e PKPbc	Z	22:13:52.3	147.9	40.1	2.0	65			
	e		22:14:02.6							
	e L	Z	23:14:23.6			18.0	186		4.9	
CLL	i PKPbc	- Z	22:13:52.3	148.0	38.2	2.3	75			
	e		22:14:03.0							
	e L	Z	23:13:25.1			22.0	240		4.9	
CLZ	e PKPbc	Z	22:13:54.1	148.5	33.5					
	e x	Z	22:13:59.5							
	e		22:14:04.8							
	e L	Z	23:11:27.4			18.0	203		5.0	
IBBN	e PKPbc	Z	22:13:54.8	148.9	28.7					
	e x	Z	22:13:59.1							
	e		22:14:05.6							
MOX	e PKPbc	Z	22:13:55.2	149.0	36.6	2.5	70			
	e x	Z	22:13:59.8							
	e L	Z	23:12:32.4			22.0	202		4.9	
GEC2	e PKPbc	Z	22:13:56.4	149.6	41.9	1.7	31			
	e x	Z	22:14:00.8							
	e		22:14:07.2							
WET	e PKPbc	Z	22:13:57.0	149.7	40.2					
	e x	Z	22:14:01.2							
BUG	e PKPbc	Z	22:13:57.8	149.8	28.6					
	e x	Z	22:14:01.2							
	e		22:14:07.7							
	e L	Z	23:19:55.6			20.0	141		4.8	
GRFO	e PKPbc	Z	22:13:57.9	149.9	36.9	2.0	63			
	e x	Z	22:14:01.9							
	e		22:14:07.1							
	e L	Z	23:15:32.5			18.0	148		4.8	
TNS	e PKPbc	Z	22:13:59.1	150.5	31.7	2.2	76			
	e x	Z	22:14:03.2							
	e		22:14:09.8							
	e L	Z	23:16:35.6			18.0	173		4.9	
FUR	e PKPbc	Z	22:14:00.4	151.1	38.7	1.6	74			
	e x	Z	22:14:04.6							

	e		22:14:10.6							
	e L	Z	23:17:03.5			22.0	177		4.8	
STU	e PKPbc	Z	22:14:02.0	151.5	34.4	0.9	34			
	e x	Z	22:14:05.5							
	e		22:14:12.1							
	e L	Z	23:12:24.5			18.0	167		4.9	
BFO	e PKPbc	Z	22:14:02.3	152.1	33.4	1.3	14			
	e x	Z	22:14:06.5							
	e		22:14:12.8							
	e L	Z	23:11:42.2			20.0	145		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/12	03:22:39.6	51.540N	16.160E	1.0G			2.7	SZGRF
2000/08/12	03:22:41.2	51.454N	16.176E	5G				NEIC

Poland

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pg	Z	03:23:08.4	1.5	66.6					2.5
	e Sg	N	03:23:28.9							
CLL	e Pn	Z	03:23:13.9	2.0	84.5					2.5
	e Sg	N	03:23:42.3							
MOX	e Pn	Z	03:23:27.5	3.0	72.5					2.9
	e Sg	N	03:24:15.4							
WET	e Pn	Z	03:23:31.0	3.1	41.1					2.7
	e Sg	N	03:24:20.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/12	10:26:16.0	3.008S	136.117E	33N	5.6	5.7		NEIC

Irian Jaya, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PP	Z	10:46:07.7							
	e		10:46:48.0							
	e x	N	10:53:47.0							
	e SP	Z	10:55:43.3							
	e SS	N	11:02:11.8							
	e L	Z	11:39:20.0			20.0	2361		5.8	
BRG	e PKPdf	Z	10:44:37.3							
	e PP	Z	10:45:36.6							
	e		10:46:16.6							
	e x	N	10:53:11.3							
	e SP	Z	10:55:01.8							
	i PKKPab	Z	10:55:51.3			1.5	16			
	e PPS	Z	10:56:13.1							
	e SS	E	11:01:16.2							

	e L	Z	11:35:18.3	22.0	3543	5.9
BSEG	e PKPdf	Z	10:44:50.6	1.4	17	
	e PP	Z	10:45:39.8			
	e		10:46:23.3			
	e x	N	10:53:19.8			
	e SP	Z	10:55:10.0			
	i PKKPab	Z	10:55:47.4	2.3	87	
	e SS	N	11:01:29.0			
	e L	Z	11:37:38.9	20.0	3042	5.9
BUG	e PP	Z	10:46:01.3			
	e		10:46:45.3			
	e x	N	10:53:42.6			
	i PKKPab	Z	10:55:35.8			
	e SS	N	11:01:57.7			
	e L	Z	11:38:36.1	22.0	1891	5.7
CLL	e PKPdf	Z	10:44:41.3			
	e PP	Z	10:45:38.4			
	e		10:46:19.8			
	e x	N	10:53:12.9			
	e SP	Z	10:55:05.5			
	i PKKPab	Z	10:55:49.6	1.4	22	
	e PPS	Z	10:56:11.9			
	e SS	N	11:01:16.0			
	e L	Z	11:35:42.9	20.0	4123	6.0
CLZ	e PKPdf	Z	10:44:53.2	1.4	12	
	e PP	Z	10:45:48.0			
	e		10:46:25.4			
	e SP	Z	10:55:17.9			
	i PKKPab	Z	10:55:43.9	1.5	17	
	e PPS	Z	10:56:32.5			
	e SS	N	11:01:39.3			
	e L	Z	11:37:54.2	20.0	3318	5.9
FUR	e PKPdf	Z	10:44:55.6			
	e PP	Z	10:45:52.3			
	e		10:46:32.8			
	e x	N	10:53:34.2			
	e SP	Z	10:55:25.7			
	e PPS	Z	10:56:41.1			
	e SS	N	11:01:48.9			
	e L	Z	11:36:51.4	22.0	2885	5.8
GEC2	e PKPdf	Z	10:44:51.6	1.8	11	
	e PP	Z	10:45:41.9			
	e SP	Z	10:55:11.5			
	i PKKPab	Z	10:55:47.2	1.6	10	
GRA1	e PKPdf	Z	10:44:51.7			
	e		10:46:32.1			
	e x	N	10:53:30.4			
	e SP	Z	10:55:22.2			
	i PKKPab	Z	10:55:42.9	1.8	26	

	e PPS	Z	10:56:31.2			
	e SS	N	11:01:35.0			
	e L	Z	11:37:23.3	20.0	3089	5.9
IBBN	e PKPdf	Z	10:44:55.2	1.5	25	
	e PP	Z	10:45:56.3			
	e SP	Z	10:55:28.1			
	i PKKPab	Z	10:55:39.1	1.2	25	
MOX	e PKPdf	Z	10:44:52.0	2.7	47	
	e PP	Z	10:45:46.4			
	e		10:46:25.9			
	e x	N	10:53:23.8			
	e SP	Z	10:55:16.2			
	i PKKPab	Z	10:55:45.2	1.5	18	
	e PPS	Z	10:56:22.3			
	e SS	N	11:01:35.2			
	e L	Z	11:37:07.1	20.0	3511	6.0
RGN	e PP	Z	10:45:34.4			
	e SP	Z	10:54:48.3			
	e L	Z	11:36:29.0	22.0	1873	5.6
RUE	e PP	Z	10:45:32.6			
	e		10:46:13.1			
	e x	N	10:53:05.9			
	e SP	Z	10:54:56.3			
	e PPS	Z	10:56:05.4			
	e SS	E	11:01:05.8			
	e L	Z	11:36:17.1	20.0	4622	6.1
STU	e PKPdf	Z	10:44:55.5			
	e PP	Z	10:46:02.0			
	e		10:46:41.3			
	e x	N	10:53:44.4			
	e PKKPab	Z	10:55:35.4			
	e PPS	Z	10:56:54.7			
	e SS	N	11:02:02.6			
	e L	Z	11:38:39.5	20.0	3159	5.9
TNS	e PKPdf	Z	10:44:55.5			
	e PP	Z	10:45:59.2			
	e		10:46:45.1			
	e x	N	10:53:42.3			
	e SP	Z	10:55:34.0			
	i PKKPab	Z	10:55:36.4	2.1	61	
	e PPS	Z	10:56:51.8			
	e SS	N	11:02:01.6			
	e L	Z	11:38:07.3	20.0	2569	5.8
WET	e PKPdf	Z	10:44:52.4	1.7	11	
	e PP	Z	10:45:44.4			
	e		10:46:25.3			
	e x	N	10:53:23.9			
	e SP	Z	10:55:16.4			
	i PKKPab	Z	10:55:45.8	1.7	18	

e PPS	Z	10:56:27.0									
e SS	N	11:01:23.4									
e L	Z	11:40:20.0			18.0		3144		6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/12	17:20: 8.7			N				SZGRF

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:32:33.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/12	23:05:19.4			N				SZGRF
2000/08/12	23:07:17.0	39.340N	123.030W	9				NEIC

North Pacific Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:18:45.8	96.9	20					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/12	22:59:38.8	23.080S	179.270W	602.3				GRSN
2000/08/12	22:59:48.0	22.191S	179.299E	602D	4.2			NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 23:18:35.7	150.9	23.2					
BSEG	i PKPbc	- Z 23:18:25.7	148.3	17.0	0.9	20			
	i PKPab	Z 23:18:29.6			0.7	19			
	e pPKPbc	Z 23:20:43.5							
CLL	i PKPbc	- Z 23:18:30.5	150.2	23.2	0.8	25			
	i PKPab	Z 23:18:36.2			0.7	15			
	i pPKPbc	Z 23:20:49.5							
IBBN	i PKPbc	- Z 23:18:30.6	150.3	13.1	1.2	19			
	i PKPab	Z 23:18:37.7			1.0	16			
	i pPKPbc	Z 23:20:49.1							
CLZ	i PKPbc	- Z 23:18:31.1	150.3	18.1	0.8	21			
	i PKPab	Z 23:18:37.7			0.8	8			
	i pPKPbc	Z 23:20:49.3							
BRG	i PKPbc	- Z 23:18:31.0	150.4	25.2	0.8	16			
	i PKPab	Z 23:18:37.9			0.9	9			
	i pPKPbc	Z 23:20:49.4							
MOX	i PKPbc	- Z 23:18:32.7	151.2	21.1	1.1	10			
	i PKPab	Z 23:18:41.2			0.8	6			

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BUG	i	PKPbc	- Z	23:18:32.9	151.2	12.6				
GRFO	i	PKPab	Z	23:18:45.7	152.1	21.0	1.0		6	
TNS	i	PKPbc	- Z	23:18:35.1	152.2	15.4	0.7		9	
	i	PKPab	Z	23:18:45.5			0.8		10	
WET	e	PKPbc	Z	23:18:35.0	152.2	24.6	1.4		4	
	i	PKPab	Z	23:18:46.0			1.0		6	
FUR	e	PKPbc	Z	23:18:38.0	153.6	22.2	0.8		6	
	i	PKPab	Z	23:18:51.8			0.7		31	
BFO	i	PKPab	Z	23:18:53.4	154.0	16.1	0.7		6	
	e	pPKPab	Z	23:21:03.4						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	04:18:40.4	8.460S	81.820W	33.0N	5.4	4.4		SZGRF
2000/08/13	04:19:01.8	5.246S	77.816W	33N	5.1	4.3		NEIC

Off coast of northern Peru

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:32:15.2	93.4	265.9	1.6	14	5.4		
	e L	Z 05:16:15.7			20.1	114		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	05:19:56.9	39.730N	147.220E	33.0N				SZGRF
2000/08/13	05:19:58.7	40.690N	145.010E	10G	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 05:32:16.9	80.9	33.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	06:28: 7.0	11.020N	82.570W	33.0N	5.2	4.9		SZGRF
2000/08/13	06:28:21.7	13.510N	81.330W	47.0	5.1			GRSN
2000/08/13	06:28:02.5	12.002N	82.845W	10G	4.9	4.7		NEIC

North of Panama

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:40:34.7	83.5	280.9	1.1	18	5.2		
	e L	Z 07:19:04.9			18.4	435		4.9	
BUG	i P	Z 06:40:18.8	78.6	277.4	1.2	21	5.0		
IBBN	i P	Z 06:40:19.9	78.8	277.6	1.0	26	5.2		
	e pP	Z 06:40:33.4			1.3	19			
TNS	i P	Z 06:40:23.8	79.5	278.6	1.3	18	4.8		
	e pP	Z 06:40:37.4			1.8	26			
BFO	i P	Z 06:40:25.2	79.7	278.8	1.4	15	4.7		
	e pP	Z 06:40:40.3			1.5	7			

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BSEG	i P	Z	06:40:26.3	80.1	279.4	1.0	17	4.9
	e pP	Z	06:40:40.3			1.3	21	
STU	i P	Z	06:40:28.8	80.2	279.4	0.7	11	4.9
	e pP	Z	06:40:41.2					
CLZ	i P	Z	06:40:29.7	80.5	279.8	1.1	30	5.2
	e pP	Z	06:40:42.6			1.3	20	
MOX	i P	Z	06:40:33.4	81.4	280.9	1.2	12	4.9
	e pP	Z	06:40:46.8					
RGN	i P	Z	06:40:36.2	81.7	281.6	1.2	54	5.6
	e pP	Z	06:40:49.0			1.2	39	
CLL	i P	Z	06:40:37.6	82.2	281.8	1.1	22	5.2
	e pP	Z	06:40:50.0			1.3	11	
WET	i P	Z	06:40:39.5	82.5	282.0	1.1	17	5.2
	e pP	Z	06:40:53.1			1.5	19	
BRG	i P	Z	06:40:40.1	82.8	282.6	1.0	22	5.3
	e pP	Z	06:40:55.0			1.3	18	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	06:46:16.3	34.610N	142.030E	33.0N				SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:58:49.3	85.1	38.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	07:04:13.4	11.880N	82.100W	33.0N	5.6	5.1		SZGRF
2000/08/13	07:04: 5.9	9.850N	81.690W	44.2	5.6			GRSN
2000/08/13	07:04:10.9	12.223N	82.888W	33N	5.4	4.9		NEIC

North of Panama

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 07:16:29.8	82.0	279.8	0.8	40	5.6		
CLZ	e P	Z 07:16:31.2	82.4	280.1	0.9	53	5.7		
GRA1	e P	Z 07:16:36.2	83.3	281.1	1.0	31	5.5		
	e L	Z 07:52:53.2			18.7	751		5.1	
CLL	e P	Z 07:16:40.0	84.1	282.2	0.9	46	5.7		
GEC2	e P	Z 07:16:45.0	85.1	283.0	1.0	22	5.3		
BUG	i P	Z 07:16:23.0	81.7	275.4	1.9	118	5.7		
IBBN	i P	Z 07:16:22.3	81.9	275.6	0.9	59	5.7		
	e pP	Z 07:16:35.0							
TNS	i P	Z 07:16:25.8	82.5	276.4	1.3	52	5.6		
	e pP	Z 07:16:40.4							
BFO	i P	Z 07:16:27.4	82.7	276.6	1.3	25	5.3		
	e pP	Z 07:16:40.6							
STU	i P	Z 07:16:32.2	83.2	277.2	1.0	29	5.5		

	e pP	Z	07:16:43.8							
MOX	i P	Z	07:16:35.8	84.5	278.8	0.9		18	5.3	
	e pP	Z	07:16:48.1							
RGN	i P	Z	07:16:39.9	84.9	279.8	1.0		77	5.9	
WET	i P	Z	07:16:41.4	85.5	279.9	1.0		35	5.5	
	e pP	Z	07:16:53.7							
BRG	i P	Z	07:16:43.0	85.9	280.6	0.9		41	5.5	
	e pP	Z	07:16:56.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	08:32:57.4	35.510N	140.700E	33.0N				SZGRF
2000/08/13	08:32:50.3	34.431N	139.029E	10G	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 08:45:23.8	84.0	40.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/13	13:28:23.5			N				SZGRF
2000/08/13	13:28:25.4	21.068N	71.050E	33	4.7			NEIC

Southern India

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:37:54.0							
	e pP	Z 13:37:58.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/14	15:48:10.9	4.390S	154.060E	33N	5.1			NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 16:07:08.9	124.9	47.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/14	17:32:54.6	22.891S	179.082W	358?	4.8			NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 17:52:07.6	152.0	20.6					
	e PKPab	Z 17:52:19.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/14	18:39:40.5	35.050N	139.760E	31.4	5.3	4.3		SZGRF
2000/08/14	18:39:31.2	34.116N	139.212E	10G	4.9			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:52:06.9	84.4	41.0	1.1	22	5.3		
	e pP	Z 18:52:16.1							
	e L	Z 19:28:55.3			20.3	136		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/14	19:24:46.7	58.200N	158.460W	33.0N				SZGRF
2000/08/14	19:24:34.1	56.188N	157.165W	52	4.2			NEIC

Bristol Bay, Alaska, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:36:06.3	73.7	353.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/14	22:11:00.1	9.345S	153.811E	10G	5.1			NEIC

D'Entrecasteaux Islands, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	i PKPdf	Z 22:30:30.8			1.5	29			
	e	22:30:40.2							
	e PP	Z 22:32:51.2			20.5	150			
	e PPS	Z 22:44:43.2							
	e SS	Z 22:50:29.2							
	e LV	Z 23:14:49.0							
	e L	Z 23:30:47.6			20.0	1426		5.7	
BRG	i PKPdf	Z 22:30:22.6			1.2	44			
	e	22:30:31.9							
	e PP	Z 22:32:23.4			21.2	158			
	e SKKSac	E 22:39:14.1							
	e PS	Z 22:42:24.1							
	e PPS	Z 22:43:59.5							
	e SS	Z 22:49:13.3							
	e LV	Z 23:12:54.2							
	e L	Z 23:30:47.6			22.0	2654		5.9	
BSEG	i PKPdf	Z 22:30:22.2			1.2	53			
	e	22:30:30.3							
	e PP	Z 22:32:17.5			19.3	126			

	e PS	Z	22:42:25.3			
	e PPS	Z	22:43:47.5			
	e LV	Z	23:12:27.1			
	e L	Z	23:28:34.8	20.0	1716	5.7
BUG	i PKPdf	Z	22:30:27.6	1.6	68	
	e		22:30:37.4			
	e PP	Z	22:32:39.1	22.1	92	
	e SKKSac	E	22:39:22.6			
	e PS	Z	22:42:47.1			
	e PPS	Z	22:44:19.4			
	e LV	Z	23:14:34.1			
	e L	Z	23:29:55.5	22.0	1946	5.8
CLL	i PKPdf	Z	22:30:22.7	1.2	36	
	e		22:30:32.9			
	e PP	Z	22:32:25.1	19.9	157	
	e PS	Z	22:42:27.1			
	e PPS	Z	22:43:52.0			
	e SS	Z	22:49:15.8			
	e LV	Z	23:12:48.9			
	e L	Z	23:28:21.1	22.0	3448	6.0
CLZ	i PKPdf	Z	22:30:25.1	1.3	63	
	e		22:30:33.3			
	e PP	Z	22:32:28.1	19.6	154	
	e PS	Z	22:42:37.0			
	e PPS	Z	22:43:55.6			
	e SS	Z	22:49:27.1			
	e LV	Z	23:13:41.1			
	e L	Z	23:29:01.7	18.0	2135	5.9
FUR	i PKPdf	Z	22:30:28.1	2.4	313	
	e PP	Z	22:32:43.9	23.6	133	
	e SKKSac	E	22:39:33.6			
	e PS	Z	22:42:46.0			
	e PPS	Z	22:44:23.2			
	e SS	Z	22:50:14.0			
	e LV	Z	23:14:42.6			
	e L	Z	23:32:55.2	20.0	2601	5.9
GRA1	i PKPdf	Z	22:30:27.0	1.4	33	
	e		22:30:35.8			
	e PP	Z	22:32:28.8	22.1	136	
	e SKKSac	E	22:39:25.8			
	e PS	Z	22:42:32.7			
	e PPS	Z	22:44:13.8			
	e LV	Z	23:14:22.7			
	e L	Z	23:27:01.3	22.0	1730	5.7
IBBN	i PKPdf	Z	22:30:26.8	1.4	89	
	e		22:30:36.1			
MOX	i PKPdf	Z	22:30:25.2	1.4	36	
	e		22:30:34.0			
	e PP	Z	22:32:32.9	19.5	181	

	e SKKSac	E	22:39:27.5									
	e PS	Z	22:42:37.9									
	e PPS	Z	22:43:59.8									
	e SS	Z	22:49:52.4									
	e LV	Z	23:13:54.1									
	e L	Z	23:28:52.6			20.0		2430		5.9		
RGN	e PP	Z	22:32:07.5			23.6		108				
	e PS	Z	22:42:04.7									
	e PPS	Z	22:43:29.3									
	e LV	Z	23:11:52.3									
	e L	Z	23:26:57.4			22.0		2744		5.9		
RUE	e PKPdf	Z	22:30:23.0									
	e PP	Z	22:32:14.4			20.8		147				
	e PS	Z	22:42:13.1									
	e SS	Z	22:49:07.2									
	e L	Z	23:27:48.1			20.0		3329		6.0		
STU	i PKPdf	Z	22:30:29.0									
	e		22:30:39.5									
	e PP	Z	22:32:45.7			22.4		149				
	e PPS	Z	22:44:26.4									
	e SS	Z	22:50:15.9									
	e LV	Z	23:14:45.1									
	e L	Z	23:30:29.6			20.0		1586		5.7		
TNS	i PKPdf	Z	22:30:28.6			1.8		55				
	e		22:30:38.1									
	e PP	Z	22:32:43.3			20.9		134				
	e SKKSac	E	22:39:31.9									
	e PS	Z	22:42:51.5									
	e PPS	Z	22:44:24.2									
	e LV	Z	23:14:27.2									
	e L	Z	23:29:59.3			22.0		3067		6.0		
WET	i PKPdf	Z	22:30:25.7			1.6		54				
	e		22:30:33.8									
	e PP	Z	22:32:33.6			21.1		137				
	e SKKSac	E	22:39:30.5									
	e PPS	Z	22:44:01.9									
	e LV	Z	23:14:11.0									
	e L	Z	23:31:38.8			22.0		2653		5.9		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/14 23:13:49.0 N SZGRF
 Greenland Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:19:09.2							
BFO	e P	Z 23:19:19.8			1.6	23	4.5		

BRG	e P	Z	23:18:58.8	1.8	29	4.4
BSEG	i P	Z	23:18:21.7	1.4	16	4.0
BUG	e P	Z	23:18:46.4	1.7	47	4.5
CLL	i P	Z	23:18:52.4	1.9	41	4.5
CLZ	e P	Z	23:18:44.7	1.2	17	4.3
GEC2	e P	Z	23:19:18.8	1.1	5	3.9
MOX	e P	Z	23:18:58.3	1.5	21	4.3
RUE	e P	Z	23:18:41.5			
TNS	e P	Z	23:19:00.7	1.5	22	4.4
WET	e P	Z	23:19:15.6	1.6	11	4.1

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	02:35:37.7	27.250S	76.400E	33.0N	5.2			SZGRF

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:49:02.6	96.2	125.7	1.1	9	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	03:18:19.6	9.287S	153.746E	10G	5.2	4.7		NEIC

D'Entrecasteaux Islands, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 03:37:30.0	93.9	92.1					
	e PKPdf	Z 03:37:30.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	04:03:48.6	9.307S	153.806E	10G	5.1			NEIC

D'Entrecasteaux Islands, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 04:22:58.0	129.1	50.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	04:30: 4.1	33.570S	178.800W	373.1				GRSN
2000/08/15	04:30:09.4	31.411S	179.708E	358D	6.0			NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 04:49:26.9	159.9						

	e	PKPab	Z	04:50:08.1				
	e	PP	Z	04:53:48.5				
RGN	e	PKPpdf	Z	04:49:21.1	157.4	27.0	1.4	607
	i	PKPbc	+ Z	04:49:31.2			1.4	600
	i	PKPab	+ Z	04:49:46.9			1.1	1929
	e	pPKPpdf	Z	04:50:50.8				
	e	pPKPab	Z	04:51:17.7				
	e	sPKPab	Z	04:51:52.4				
	e	PP	Z	04:53:22.7				
	e	sPP	Z	04:55:21.6				
	e	PPP	Z	04:56:55.9				
	e	sPPP	Z	04:58:43.7				
	e			05:08:22.1				
BSEG	e	PKPpdf	Z	04:49:21.0	158.6	21.2	1.3	546
	i	PKPbc	+ Z	04:49:34.0			1.2	379
	i	PKPab	+ Z	04:49:52.4			1.1	1178
	e	pPKPpdf	Z	04:50:52.0				
	e	pPKPab	Z	04:51:22.2				
	e	sPKPab	Z	04:51:59.4				
	e	PP	Z	04:53:30.2				
	e	sPP	Z	04:55:27.4				
	e	PPP	Z	04:57:06.9				
	e	sPPP	Z	04:58:46.7				
	e			05:08:37.3				
RUE	e	PP	Z	04:53:31.4	159.0	30.5		
	e	sPP	Z	04:55:29.7				
CLL	e	PKPpdf	Z	04:49:23.1	160.3	30.4	1.6	362
	i	PKPbc	+ Z	04:49:37.4			1.2	271
	i	PKPab	+ Z	04:49:59.3			1.3	2302
	e	pPKPpdf	Z	04:50:52.1				
	e	pPKPab	Z	04:51:29.7				
	e	sPKPab	Z	04:52:00.2				
	e	PP	Z	04:53:34.9				
	e	sPP	Z	04:55:33.2				
	e	sPPP	Z	04:59:11.6				
	e			05:06:24.6				
	e			05:08:40.0				
BRG	e	PKPpdf	Z	04:49:23.5	160.4	33.1	2.0	1053
	i	PKPbc	+ Z	04:49:37.5			1.9	611
	i	PKPab	+ Z	04:49:59.7			1.4	1842
	e	pPKPpdf	Z	04:50:53.4				
	e	pPKPab	Z	04:51:29.8				
	e	sPKPab	Z	04:52:02.7				
	e	PP	Z	04:53:36.2				
	e	sPP	Z	04:55:33.9				
	e	PPP	Z	04:57:14.4				
	e	sPPP	Z	04:59:10.0				
	e			05:06:25.2				
	e			05:08:42.7				

CLZ	e	PKPdf	Z	04:49:23.8	160.6	23.5	2.1	1156											
	i	PKPbc	+ Z	04:49:38.4					1.2	331									
	i	PKPab	+ Z	04:50:01.0							1.4	2048							
	e	pPKPdf	Z	04:50:53.6															
	e	pPKPab	Z	04:51:31.3															
	e	sPKPab	Z	04:52:05.1															
	e	PP	Z	04:53:40.4															
	e	sPP	Z	04:55:35.7															
	e	PPP	Z	04:57:14.6															
	e	sPPP	Z	04:59:16.1															
	e			05:06:28.4															
	e			05:08:52.2															
	IBBN	e	PKPdf	Z									04:49:24.4	160.7	16.7	1.8	988		
		i	PKPbc	+ Z									04:49:38.4					1.2	256
		i	PKPab	+ Z									04:50:01.4						
e		pPKPdf	Z	04:50:53.5															
e		pPKPab	Z	04:51:33.3															
e		sPKPab	Z	04:52:05.6															
e		PP	Z	04:53:41.2															
MOX		e	PKPdf	Z	04:49:24.1	161.3	28.0	1.7	391										
		i	PKPbc	+ Z	04:49:39.5					1.4	147								
	i	PKPab	+ Z	04:50:03.9	1.5							1617							
	e	pPKPdf	Z	04:50:53.1															
	e	pPKPab	Z	04:51:34.4															
	e	sPKPab	Z	04:52:08.2															
	e	PP	Z	04:53:41.8															
	e	sPP	Z	04:55:43.2															
	e	PPP	Z	04:57:23.5															
	e	sPPP	Z	04:59:17.5															
	e			05:06:34.3															
	e			05:08:57.3															
	BUG	e	PKPdf	Z									04:49:24.8	161.6	16.2	1.4	344		
		i	PKPbc	+ Z									04:49:39.1					1.2	707
		i	PKPab	+ Z									04:50:04.9						
e		pPKPdf	Z	04:50:54.0															
e		pPKPab	Z	04:51:36.0															
e		sPKPab	Z	04:52:11.8															
e		PP	Z	04:53:45.5															
e		sPP	Z	04:55:38.0															
e		PPP	Z	04:57:24.4															
e		sPPP	Z	04:59:12.0															
e				05:06:34.9															
e				05:09:04.9															
WET		e	PKPdf	Z	04:49:25.5	162.2	33.4	1.6	584										
		i	PKPab	+ Z	04:50:07.8					1.4	861								
		e	pPKPdf	Z	04:50:54.7														
	e	pPKPab	Z	04:51:37.1															
	e	sPKPab	Z	04:52:12.8															
	e	PP	Z	04:53:46.6															

	e sPP	Z	04:55:44.2				
	e PPP	Z	04:57:26.0				
	e sPPP	Z	04:59:26.4				
	e		05:06:38.7				
	e		05:09:05.3				
GRFO	e PKPdf	Z	04:49:25.7	162.3	28.4	1.7	365
	i PKPbc	+ Z	04:49:41.6			1.5	256
	i PKPab	+ Z	04:50:08.7			1.7	4213
	e PP	Z	04:53:47.3				
	e sPP	Z	04:55:46.5				
	e PPP	Z	04:57:30.2				
	e sPPP	Z	04:59:20.6				
	e		05:06:41.9				
	e		05:09:05.9				
TNS	e PKPdf	Z	04:49:25.7	162.5	20.5	1.4	233
	i PKPab	+ Z	04:50:09.0			1.2	810
	e pPKPdf	Z	04:50:55.6				
	e pPKPab	Z	04:51:39.8				
	e sPKPab	Z	04:52:16.1				
	e PP	Z	04:53:47.9				
	e sPP	Z	04:55:48.0				
	e PPP	Z	04:57:33.0				
	e sPPP	Z	04:59:31.9				
	e		05:06:45.7				
	e		05:09:13.7				
FUR	e PKPdf	Z	04:49:26.8	163.6	31.0	1.6	790
	i PKPab	+ Z	04:50:14.1			1.3	3359
	e pPKPab	Z	04:51:41.0				
	e sPKPab	Z	04:52:18.3				
	e PP	Z	04:53:52.0				
	e sPP	Z	04:55:53.0				
	e PPP	Z	04:57:38.0				
	e sPPP	Z	04:59:32.3				
	e		05:06:48.4				
	e		05:09:17.8				
STU	e PKPdf	Z	04:49:27.2	163.7	24.3	1.3	438
	i PKPbc	+ Z	04:49:44.7			1.3	174
	i PKPab	+ Z	04:50:14.4			1.1	960
	e pPKPdf	Z	04:50:57.2				
	e pPKPab	Z	04:51:42.5				
	e sPKPab	Z	04:52:20.0				
	e PP	Z	04:53:52.0				
	e sPP	Z	04:55:54.3				
	e PPP	Z	04:57:40.0				
	e sPPP	Z	04:59:45.3				
	e		05:06:49.4				
	e		05:09:18.8				
BFO	e PKPdf	Z	04:49:27.4	164.3	22.5	2.8	1308
	i PKPbc	+ Z	04:49:45.7			1.3	111

i	PKPab	+	Z	04:50:17.0	1.4	1469
e	pPKPdf		Z	04:50:57.8		
e	pPKPab		Z	04:51:42.5		
e	sPKPab		Z	04:52:22.0		
e	PP		Z	04:53:58.0		
e	sPP		Z	04:55:57.5		
e	PPP		Z	04:57:43.5		
e	sPPP		Z	04:59:51.0		
e				05:06:51.6		
e				05:09:31.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	05:00:29.2	71.050N	7.440W	26.9	4.8			SZGRF
2000/08/15	05:00:21.6	71.232N	7.924W	10G	4.5			NEIC

Jan Mayen Island region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:05:32.0	23.3	344.5	1.7	54	4.8		
	e pP	Z	05:05:37.7							
	e sP	Z	05:05:42.9							
BFO	e P	Z	05:05:34.7			1.8	45	4.7		
BRG	e P	Z	05:05:23.6			1.4	22	4.5		
BSEG	e P	Z	05:04:47.9			2.3	166	4.9		
BUG	e P	Z	05:05:08.7			1.4	49	4.6		
CLL	e P	Z	05:05:17.9			1.4	32	4.6		
CLZ	e P	Z	05:05:06.3			1.6	23	4.3		
MOX	e P	Z	05:05:22.7			1.7	78	5.0		
TNS	e P	Z	05:05:26.0			1.5	21	4.3		
WET	e P	Z	05:05:45.7			1.4	14	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	05:14: 6.8	37.080N	144.840E	33.0N	5.5			SZGRF

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	05:26:34.5	84.0	35.5	1.6	48	5.5		
BSEG	i P	+ Z	05:26:17.7	91.2	24.5	2.0	50	5.5		
CLL	i P	- Z	05:26:24.4	92.8	26.7	1.9	47	5.6		
BRG	i P	+ Z	05:26:25.8	92.9	27.5	1.4	21	5.4		
CLZ	i P	- Z	05:26:26.2	93.0	24.6	1.4	15	5.2		
MOX	i P	+ Z	05:26:29.8	93.8	25.6					
WET	i P	+ Z	05:26:34.4	94.8	26.7	2.0	24	5.3		
TNS	i P	+ Z	05:26:34.9	95.0	23.1					
FUR	i P	+ Z	05:26:40.9	96.1	25.4	1.9	60	5.8		
BFO	i P	+ Z	05:26:42.8	96.8	23.0	1.7	26	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	05:37:11.5	33.760N	139.290E	33.0N	5.1			SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:49:42.5	84.7	41.1	1.0	14	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 06:40:42.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	11:05:11.6	21.150N	46.990W	33.0N		3.7		SZGRF
2000/08/15	11:05:11.2	21.062N	45.826W	10G	4.7			NEIC

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:14:30.1	53.0	258.8					
	e L	Z 11:31:26.8			21.5	70		3.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	13:47:14.7	35.420N	139.350E	23.2				SZGRF
2000/08/15	13:47:03.4	34.220N	139.173E	10G	4.9			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:59:38.6	84.3	40.9					
	e pP	Z 13:59:45.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	14:02:38.1	34.290N	139.740E	33.0N				SZGRF
2000/08/15	14:02:32.8	34.063N	138.734E	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 14:15:07.8	84.2	41.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	15:02:57.1	32.970N	140.810E	12.7	5.2	4.7		SZGRF
2000/08/15	15:02:59.2	34.186N	139.263E	10G	5.1	4.7		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 15:15:34.7	84.3	40.9	1.0	20	5.2		
	e pP	Z 15:15:38.4							
	e L	Z 15:56:01.0			19.6	329		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	15:55:24.4	33.370N	141.630E	33.0N	5.0	4.8		SZGRF
2000/08/15	15:55:26.4	34.100N	139.213E	10G	5.1	4.8		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:08:02.0	84.4	41.0	1.0	14	5.0		
	e L	Z 16:53:50.9			21.7	398		4.8	
BFO	e P	Z 16:08:11.1			1.1	17	5.2		
	e L	Z 16:55:48.9			20.0	413		4.8	
BRG	e P	Z 16:07:51.2			1.1	10	4.7		
	e L	Z 16:54:32.4			20.0	520		4.9	
BSEG	e P	Z 16:07:46.8			1.1	26	5.1		
	e L	Z 16:50:41.0			18.0	604		5.0	
BUG	e P	Z 16:08:04.1			1.1	29	5.4		
	e L	Z 16:53:54.1			22.0	616		4.9	
CLL	i P	Z 16:07:50.8			1.1	22	5.1		
	e L	Z 16:49:57.9			18.0	628		5.0	
CLZ	e P	Z 16:07:55.1			1.1	29	5.3		
	e L	Z 16:49:29.4			18.0	1021		5.2	
FUR	e P	Z 16:08:07.0			1.0	37	5.6		
	e L	Z 16:50:52.2			18.0	590		5.0	
IBBN	e P	Z 16:08:00.0			1.2	34	5.4		
MOX	e P	Z 16:07:57.4			1.1	16	5.1		
	e L	Z 16:51:10.2			18.0	593		5.0	
RGN	e L	Z 16:50:05.0			18.0	743		5.1	
RUE	e L	Z 16:51:45.4			20.0	779		5.0	
STU	e P	Z 16:08:10.9			1.0	25	5.4		
	e L	Z 16:53:39.3			18.0	445		4.9	
TNS	e P	Z 16:08:07.2			1.3	22	5.2		
	e L	Z 16:54:34.5			18.0	884		5.2	
WET	e P	Z 16:08:00.4			1.1	15	5.1		
	e L	Z 16:49:34.4			18.0	772		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	16:43:39.6	33.290N	140.860E	33.0N				SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:56:16.0	85.8	40.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	17:07:22.2	34.740N	142.640E	33.0N				SZGRF
2000/08/15	17:07:21.1	34.242N	139.079E	10G	4.7			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:19:56.0	84.2	41.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	17:22:28.6	33.310N	140.570E	33.0N	5.2			SZGRF
2000/08/15	17:22:28.8	33.800N	140.740E		5.4	5.0		GRSN
2000/08/15	17:22:28.2	34.225N	139.147E	10G	5.3	4.8		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 17:35:04.3	84.3	41.0	0.9	20	5.2		
	e L	Z 18:20:29.5			18.0	432		4.9	
RGN	e L	Z 18:17:06.2	80.8	42.0	18.0	704		5.1	
RUE	e L	Z 18:21:34.3	82.1	42.1	18.0	512		4.9	
BSEG	i P	- Z 17:34:48.6	82.4	39.7	1.1	27	5.4		
	e	17:35:06.0							
	e PP	Z 17:37:55.4			5.9	213			
	e L	Z 18:18:34.1			18.0	404		4.8	
BRG	i P	- Z 17:34:52.7	83.3	42.1	2.3	88	5.6		
	e L	Z 18:21:42.9			18.0	443		4.9	
CLL	i P	- Z 17:34:53.0	83.3	41.4	1.1	25	5.4		
	e	17:35:11.7							
	e L	Z 18:17:16.4			18.0	410		4.8	
CLZ	i P	- Z 17:34:56.6	84.0	39.5	1.3	38	5.5		
	e PP	Z 17:38:05.5			6.6	152			
	e L	Z 18:20:16.7			18.0	671		5.1	
MOX	i P	- Z 17:34:58.5	84.4	40.4	1.7	37	5.3		
	e L	Z 18:18:10.3			18.0	420		4.9	
IBBN	i P	- Z 17:34:59.8	84.6	37.6	1.7	73	5.6		
WET	i P	- Z 17:35:01.8	85.0	41.2	1.6	30	5.3		
	e PP	Z 17:38:18.0			6.2	216			
	e L	Z 18:20:24.4			20.0	572		5.0	
BUG	i P	- Z 17:35:04.2	85.5	37.2	1.4	36	5.3		

	e L	Z	18:18:19.3			18.0	433		4.9
TNS	i P	- Z	17:35:06.9	86.0	38.0	1.2	18	5.1	
	e L	Z	18:21:35.9			18.0	933		5.2
FUR	i P	- Z	17:35:09.1	86.4	40.0				
	e L	Z	18:19:55.0			18.0	516		5.0
STU	i P	- Z	17:35:10.8	86.8	38.5				
	e L	Z	18:24:57.1			18.0	422		4.9
BFO	i P	- Z	17:35:14.0	87.5	37.9	1.5	31	5.4	
	e L	Z	18:20:22.6			18.0	403		4.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	17:26:11.0	34.020N	141.740E	33.0N	5.2			SZGRF
2000/08/15	17:26:09.9	34.084N	139.038E	10G	4.9			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:38:46.0	84.3	41.1	1.5	29	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	17:37:25.1	35.740N	139.400E	33.0N	5.5			SZGRF
2000/08/15	17:37:15.7	34.120N	140.120E		5.3	5.0		GRSN
2000/08/15	17:37:11.7	34.049N	139.145E	10G	5.1			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z 17:49:47.8	84.4	41.1	1.0	35	5.5		
	e PP	Z 17:53:04.2							
RGN	e L	Z 18:31:38.6	80.3	42.3	20.0	570		4.9	
RUE	e L	Z 18:33:30.6	81.6	42.4	18.0	607		5.0	
BSEG	i P	+ Z 17:49:33.2	81.9	40.0	1.0	30	5.4		
	e L	Z 18:32:35.6			18.0	574		5.0	
BRG	i P	- Z 17:49:36.7	82.7	42.4	1.4	18	5.1		
	e L	Z 18:30:56.6			18.0	583		5.0	
CLL	i P	- Z 17:49:37.1	82.8	41.7	1.0	14	5.1		
	e L	Z 18:29:47.7			18.0	676		5.1	
CLZ	i P	- Z 17:49:41.1	83.5	39.8	1.3	34	5.4		
	e L	Z 18:31:14.9			18.0	1093		5.3	
MOX	i P	- Z 17:49:42.8	83.9	40.7	1.4	27	5.3		
	e L	Z 18:32:53.9			18.0	596		5.0	
IBBN	i P	- Z 17:49:44.3	84.1	37.9	1.6	78	5.7		
WET	i P	- Z 17:49:45.9	84.5	41.5	1.6	29	5.3		
	e L	Z 18:30:32.9			20.0	716		5.1	
BUG	i P	+ Z 17:49:46.3	85.0	37.5	1.5	50	5.5		
	e PP	Z 17:53:04.6							
	e L	Z 18:34:26.4			20.0	671		5.0	
TNS	i P	- Z 17:49:50.8	85.5	38.3	1.5	30	5.2		

	e L	Z	18:35:54.2			18.0	704	5.1	
FUR	i P	Z	17:49:51.1	85.9	40.3	0.9	24	5.3	
	e L	Z	18:32:28.9			20.0	748	5.1	
STU	i P	Z	17:49:55.7	86.3	38.8	0.9	33	5.4	
	e L	Z	18:35:23.4			18.0	340	4.8	
BFO	i P	- Z	17:49:58.0	87.0	38.2	1.3	25	5.2	
	e L	Z	18:32:13.6			18.0	571	5.0	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/15 18:01: 7.3 18.600N 95.460W 33.8
 Veracruz, Mexico

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	18:13:45.5	86.1	294.5					
	e pP	Z	18:13:55.3							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/15 18:19:15.9 36.580N 139.930E 33.0N 5.2
 2000/08/15 18:18:53.5 33.380N 140.450E 5.3 4.7
 2000/08/15 18:19:00.0 34.044N 139.209E 10G 4.9
 Eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z	18:31:35.9	84.4	41.0	1.3	21	5.2		
RGN	e L	Z	19:13:56.2	81.0	42.4	18.0				
BSEG	e P	Z	18:31:19.0	82.7	40.1	2.4	79	5.5		
	e L	Z	19:12:00.1			18.0	253		4.6	
BRG	i P	- Z	18:31:25.2	83.5	42.5	2.3	45	5.3		
	e L	Z	19:16:56.9			18.0	275		4.7	
CLL	i P	- Z	18:31:25.3	83.6	41.8	2.5	77	5.5		
	e L	Z	19:13:48.7			18.0	278		4.7	
CLZ	i P	- Z	18:31:29.1	84.2	40.0	2.0	39	5.3		
	e L	Z	19:12:54.4			18.0	388		4.8	
MOX	i P	- Z	18:31:30.8	84.6	40.8	1.9	26	5.1		
	e L	Z	19:13:59.6			18.0	281		4.7	
IBBN	e P	Z	18:31:32.3	84.9	38.0					
WET	i P	- Z	18:31:34.4	85.2	41.6	2.2	41	5.2		
	e L	Z	19:15:18.6			18.0	390		4.8	
BUG	e L	Z	19:17:19.8	85.8	37.6	18.0	269		4.7	
TNS	e L	Z	19:18:08.7	86.3	38.5	18.0	390		4.9	
FUR	e L	Z	19:16:26.4	86.7	40.4	20.0	289		4.7	
STU	e L	Z	19:21:53.1	87.1	38.9	18.0	192		4.6	
BFO	e P	Z	18:31:46.9	87.8	38.3	1.3	9	4.9		
	e L	Z	19:19:11.1			22.0	211		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	18:32:15.9	33.130N	141.660E	33.0N				SZGRF
2000/08/15	18:32:15.0	33.946N	139.509E	10G	4.7			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:44:54.6	84.6	40.8					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	18:48:21.2			N				SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:00:54.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	19:03:41.6	35.410N	140.210E	33.0N				SZGRF
2000/08/15	19:03:34.2	34.291N	139.092E	10G	4.5			NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:16:07.4	84.2	41.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	19:08:51.4	35.300N	140.570E	33.0N	5.1			SZGRF
2000/08/15	19:08:40.8	34.073N	139.578E	10G	4.6			NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:21:18.4	84.6	40.7	1.4	20	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	19:24:43.6	33.570N	140.800E	13.9				SZGRF
2000/08/15	19:23:56.9	34.328N	139.296E	10G	4.6			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:37:18.6	84.2	40.8					
	e pP	Z 19:37:22.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	19:32:57.2	35.110N	139.290E	33.0N				SZGRF
2000/08/15	19:32:43.3	34.111N	139.666E	10G	4.4			NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:45:22.4	84.6	40.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	19:39:49.3	33.310N	140.570E	33.0N	4.9			SZGRF
2000/08/15	19:38:41.2	34.350N	139.090E	10G	4.5			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:52:25.0	84.1	40.9	1.0	9	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	20:20:44.0	42.350N	146.420E	33.0N		5.7		SZGRF
2000/08/15	20:20:43.5	42.880N	147.680E		6.0	5.9		GRSN
2000/08/15	20:20:43.6	43.038N	146.753E	33N	5.5	5.3		NEIC

Off southeast coast of Hokkaido, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 20:32:50.3	79.9	30.8	1.2	188	5.9		
	e	20:33:12.4							
	e PP	Z 20:35:47.5							
	e S	N 20:42:50.1							
	e SKSac	E 20:43:04.2							
RGN	e SS	N 20:48:07.4	75.1	32.8	1.4	362	6.2		5.7
	e L	Z 21:14:08.1							
	i P	+ Z 20:32:23.3							
	e	20:32:44.7							
	e PP	Z 20:34:54.9							
BSEG	e S	N 20:41:57.9	76.5	30.7	1.1	188	6.1		6.0
	e SKSac	E 20:42:21.7							
	e SS	N 20:46:53.8							
	e L	Z 21:08:57.3							
	i P	+ Z 20:32:31.7							
	e	20:32:53.4							
	e PP	Z 20:35:12.7							
	e S	N 20:42:15.8							
	e SKSac	E 20:42:34.0							

	e L	Z	21:08:59.2			22.0	7435		6.0
CLL	i P	+ Z	20:32:38.8	77.9	32.2	1.2	217	6.2	
	e		20:33:01.1						
	e PP	Z	20:35:34.5			20.9	335		
	e S	N	20:42:27.5						
	e SKSac	E	20:42:47.2						
	e SS	N	20:47:30.9						
	e L	Z	21:11:29.9			18.0	6525		6.0
BRG	i P	+ Z	20:32:39.1	78.0	32.8	1.6	170	5.9	
	e		20:33:01.1						
	e PP	Z	20:35:33.0						
	e S	N	20:42:25.8						
	e SKSac	E	20:42:47.8						
	e SS	N	20:47:35.6						
	e L	Z	21:11:18.0			18.0	5063		5.9
CLZ	i P	+ Z	20:32:41.8	78.3	30.5	1.6	363	6.2	
	e		20:33:03.4						
	e PP	Z	20:35:39.6						
	e S	N	20:42:32.6						
	e SKSac	E	20:42:52.9						
	e SS	N	20:47:43.2						
	e L	Z	21:11:08.1			18.0	4355		5.8
IBBN	i P	+ Z	20:32:43.7	78.7	28.8	1.2	245	6.1	
MOX	i P	+ Z	20:32:44.8	79.0	31.2	1.6	175	5.9	
	e		20:33:06.6						
	e PP	Z	20:35:42.1						
	e S	N	20:42:38.4						
	e SKSac	E	20:42:55.8						
	e SS	N	20:47:43.3						
	e L	Z	21:11:36.1			18.0	4317		5.8
BUG	i P	+ Z	20:32:48.1	79.6	28.3	1.4	182	5.8	
	e		20:33:09.9						
	e PP	Z	20:35:49.3						
	e S	N	20:42:46.2						
	e SKSac	E	20:43:02.2						
	e SS	N	20:47:52.6						
	e L	Z	21:11:45.9			22.0	7292		6.0
WET	i P	+ Z	20:32:49.8	79.8	31.9	1.3	144	5.7	
	e		20:33:11.6						
	e PP	Z	20:35:52.2						
	e S	N	20:42:50.8						
	e SKSac	E	20:43:01.5						
	e SS	N	20:48:01.4						
	e L	Z	21:10:45.3			22.0	7029		6.0
TNS	i P	+ Z	20:32:52.2	80.3	29.0	1.6	142	5.8	
	e		20:33:14.1						
	e PP	Z	20:35:48.3						
	e S	N	20:42:54.0						
	e SKSac	E	20:43:06.1						

	e SS	N	20:48:17.6								
	e L	Z	21:13:42.3			20.0	5508		5.9		
FUR	i P	+ Z	20:32:57.1	81.2	30.8	1.4	212	6.1			
	e		20:33:19.1								
	e PP	Z	20:36:04.9								
	e S	N	20:43:05.4								
	e SKSac	E	20:43:12.1								
	e SS	E	20:48:27.5								
	e L	Z	21:13:30.1			18.0	6812		6.1		
STU	i P	+ Z	20:32:57.8	81.4	29.4	1.1	97	5.8			
	e		20:33:19.8								
	e PP	Z	20:36:06.4								
	e S	N	20:43:07.0								
	e SKSac	E	20:43:12.7								
	e SS	N	20:48:24.1								
	e L	Z	21:12:28.5			20.0	2951		5.6		
BFO	i P	+ Z	20:33:01.0	82.0	28.8	1.5	125	5.8			
	e		20:33:22.8								
	e PP	Z	20:36:13.2								
	e S	N	20:43:10.6								
	e SKSac	E	20:43:16.6								
	e SS	N	20:48:40.5								
	e L	Z	21:13:08.2			20.0	3924		5.8		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/15 20:26:0.8 35.730N 136.980E 33.0N 5.0
 Western Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:38:18.1	82.0	41.7	1.2	14	5.0		

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/15 21:05:03.6 40.121N 77.744E 33N 5.0
 Kyrgyzstan-Xinjiang border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:13:31.4	46.5	75.3	0.9	19	5.2		
	e PP	Z 21:15:24.5							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/15 21:49:54.0 N
 2000/08/15 21:49:40.8 71.310N 8.078W 10G 4.2
 Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 21:54:54.8 23.4 344.5

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	21:46:52.7	35.220N	141.040E	33.0N		4.7		SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:59:21.0	84.2	39.1					
	e L	Z 22:45:01.5			20.7	299		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/15	22:00:30.0	32.660N	141.700E	33.0N				SZGRF
2000/08/15	22:00:36.4	34.158N	138.954E	10G	4.9			NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:13:10.8	84.2	41.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16	00:09:44.1			N				SZGRF

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:21:29.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16	02:00:39.5	32.990N	141.620E	18.9		4.7		SZGRF
2000/08/16	02:00:42.7	34.036N	139.191E	10G	4.8	4.7		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:13:18.7	84.4	41.0					
	e pP	Z 02:13:23.7							
	e sP	Z 02:13:27.1							
	e L	Z 02:55:31.0			19.5	302		4.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16	11:01:42.6	17.736N	81.692W	10G	4.6	4.1		NEIC

Caribbean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:13:48.1	78.4	283.8					
	e L	Z 11:43:26.6			20.6	179		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e P	Z 12:59:50.7			1.2	6	4.4		
BRG	e P	Z 12:59:27.1			1.3	21	4.9		
BSEG	e P	Z 12:59:51.7			1.3	36	5.1		
BUG	e P	Z 13:00:04.4			1.1	21	4.9		
CLL	e P	Z 12:59:32.9			1.5	45	5.2		
CLZ	e P	Z 12:59:48.4			1.0	21	5.0		
GRFO	e P	Z 12:59:39.6			1.3	53	5.3		
IBBN	e P	Z 13:00:03.8			1.1	32	5.1		
MOX	e P	Z 12:59:36.6			1.0	11	4.7		
STU	e P	Z 12:59:52.6							
TNS	e P	Z 12:59:55.9			1.2	13	4.8		
WET	e P	Z 12:59:29.5			0.9	14	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 13:02:20.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/16	18:34:48.1	8.330N	124.090E	33.0N		4.7		SZGRF
2000/08/16	18:34:36.8	6.413N	124.751E	33N	5.4	4.7		NEIC

Mindanao, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:48:20.9	99.9	67.6					
	e L	Z 19:36:03.5			20.7	267		4.7	
BFO	e P	Z 18:48:30.1			2.0	18	5.4		
BRG	e P	Z 18:48:10.6			1.4	17	5.6		
BSEG	e P	Z 18:48:13.5			1.5	20	5.6		
BUG	e P	Z 18:48:27.8			1.2	19	5.6		
CLL	e P	Z 18:48:11.8			2.0	35	5.7		
CLZ	e P	Z 18:48:19.0			1.3	25	5.7		
MOX	e P	Z 18:48:16.8			1.4	14	5.5		

TNS	e P	Z	18:48:26.6	1.6	12	5.2
WET	e P	Z	18:48:16.0	1.8	14	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/17	00:04:20.1	22.720S	173.470W			5.9		GRSN
2000/08/17	00:04:29.2	21.906S	174.651W	33N	5.5	5.7		NEIC

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	00:24:16.0	151.8	11.6					
	e PKPbc	Z	00:24:22.0							
	e PKPab	Z	00:24:29.3							
	e PP	Z	00:28:07.8							
	e SS	E	00:47:27.7							
	e L	Z	01:37:49.0			19.2	2135		6.0	
RGN	e SKKSac	N	00:34:20.2	147.8	11.8					
	e PSKS	N	00:37:47.7							
	e PPS	N	00:40:11.8							
	e SS	E	00:46:36.8							
	e SSS	E	00:52:17.1							
	e L	Z	01:32:18.2			20.0	1453		5.8	
BSEG	e PKPdf	Z	00:24:08.9	148.7	6.7					
	i PKPbc	Z	00:24:12.2			1.3	108			
	e PKPab	Z	00:24:15.7			1.4	171			
	e x	Z	00:24:26.2							
	e PP	Z	00:27:43.0							
	e PSKS	N	00:37:55.8							
	e SS	E	00:46:36.7							
	e SSS	E	00:52:31.1							
	e L	Z	01:41:11.4			18.0	1749		5.9	
RUE	e SKKSac	N	00:34:32.1	149.7	13.4					
	e SS	E	00:46:54.7							
	e SSS	E	00:52:35.1							
	e L	Z	01:40:17.7			18.0	2488		6.1	
IBBN	e PKPdf	Z	00:24:12.1	150.4	2.3					
	i PKPbc	Z	00:24:17.1			1.6	339			
	e PKPab	Z	00:24:21.1			2.1	693			
	e x	Z	00:24:32.5							
CLZ	e PKPdf	Z	00:24:12.6	150.7	7.3	1.7	36			
	i PKPbc	Z	00:24:17.8			1.6	183			
	e PKPab	Z	00:24:22.7			1.6	247			
	e x	Z	00:24:33.6							
	e PP	Z	00:27:43.4							
	e SKKSac	N	00:34:43.4							
	e PSKS	N	00:37:51.3							
	e SS	E	00:47:05.0							
e SSS	E	00:53:01.2								

	e L	Z	01:38:09.9			18.0	1907	5.9
CLL	e PKPdf	Z	00:24:12.5	151.0	12.4	1.8	38	
	i PKPbc	Z	00:24:18.0			1.3	138	
	i PKPab	Z	00:24:23.0			1.8	268	
	e x	Z	00:24:33.7					
	e PP	Z	00:27:49.6					
	e SKKSac	E	00:34:36.9					
	e PSKS	N	00:38:08.4					
	e PPS	N	00:40:44.1					
	e SS	E	00:47:07.1					
	e SSS	E	00:52:57.3					
	e L	Z	01:35:58.1			20.0	1906	5.9
BRG	e PKPdf	Z	00:24:13.4	151.3	14.3	1.7	52	
	i PKPbc	Z	00:24:18.8			1.1	80	
	e PKPab	Z	00:24:24.1			1.4	84	
	e x	Z	00:24:34.3					
	e PP	Z	00:27:50.4					
	e SKKSac	N	00:34:38.8					
	e PSKS	N	00:38:09.6					
	e SS	E	00:47:07.1					
	e SSS	E	00:52:56.8					
	e L	Z	01:42:01.7			18.0	1649	5.9
BUG	e PKPdf	Z	00:24:13.3	151.3	1.4	1.3	25	
	i PKPbc	Z	00:24:19.4			1.4	103	
	e PKPab	Z	00:24:25.4			1.5	115	
	e x	Z	00:24:34.3					
	e PP	Z	00:27:50.7					
	e SKKSac	N	00:34:49.7					
	e PSKS	N	00:38:03.4					
	e SS	E	00:47:06.6					
	e SSS	E	00:52:51.1					
	e L	Z	01:40:32.3			18.0	1634	5.9
MOX	e PKPdf	Z	00:24:13.8	151.8	10.0	2.0	50	
	i PKPbc	Z	00:24:19.9			1.4	89	
	e PKPab	Z	00:24:26.0			2.0	300	
	e x	Z	00:24:35.7					
	e PP	Z	00:27:53.0					
	e SKKSac	N	00:34:40.1					
	e PSKS	N	00:38:12.4					
	e SS	E	00:47:10.9					
	e SSS	E	00:53:07.1					
	e L	Z	01:42:25.1			18.0	2320	6.0
TNS	e PKPdf	Z	00:24:14.8	152.5	3.8	1.6	18	
	i PKPbc	Z	00:24:21.1			1.1	37	
	e		00:24:28.4					
	e x	Z	00:24:35.9					
	e PP	Z	00:27:56.5					
	e SKKSac	N	00:34:54.2					
	e PSKS	N	00:38:20.8					

	e SS	E	00:47:19.8						
	e SSS	E	00:53:22.1						
	e L	Z	01:36:36.9			18.0	2056	6.0	
WET	e PKPdf	Z	00:24:16.0	153.1	13.0	1.8	37		
	i PKPbc	Z	00:24:21.9			1.7	76		
	e		00:24:28.9						
	e x	Z	00:24:38.3						
	e PP	Z	00:28:01.6						
	e SKKSac	N	00:34:54.0						
	e PSKS	N	00:38:24.6						
	e PPS	N	00:41:14.5						
	e SS	E	00:47:23.8						
	e SSS	E	00:53:31.1						
	e L	Z	01:38:10.5			18.0	1975	6.0	
STU	e PKPdf	Z	00:24:17.8	153.9	5.6	1.3	24		
	i PKPbc	Z	00:24:25.2			1.2	44		
	e		00:24:31.3						
	e x	Z	00:24:40.7						
	e PP	Z	00:28:02.6						
	e SKKSac	N	00:34:56.1						
	e PSKS	N	00:38:30.1						
	e SS	E	00:47:27.5						
	e SSS	E	00:53:35.4						
	e L	Z	01:39:39.9			18.0	2264	6.0	
FUR	e PKPdf	Z	00:24:17.5	154.3	10.1	1.8	48		
	i PKPbc	Z	00:24:25.6			1.0	34		
	e		00:24:32.0						
	e PKPab	Z	00:24:37.8			1.3	75		
	e PP	Z	00:28:08.6						
	e SKKSac	N	00:34:49.9						
	e PSKS	N	00:38:31.1						
	e SS	E	00:47:35.3						
	e SSS	E	00:53:46.6						
	e L	Z	01:41:30.4			20.0	1936	5.9	
BFO	e PKPdf	Z	00:24:17.6	154.3	3.8	1.4	10		
	i PKPbc	Z	00:24:25.8			1.2	27		
	e		00:24:32.3						
	e PKPab	Z	00:24:37.6			1.3	54		
	e PP	Z	00:28:13.4						
	e SKKSac	N	00:34:54.9						
	e PSKS	N	00:38:32.8						
	e SS	E	00:47:37.2						
	e SSS	E	00:53:43.8						
	e L	Z	01:46:39.1			18.0	1250	5.8	

Kashmir-Xizang border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:18:08.0	51.3	80.3	0.9	7	4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/17	07:30:46.7	70.470N	7.980W	33.0G				SZGRF

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	i P	Z 07:35:44.7							
BRG	i P	Z 07:35:38.0			1.3	6	4.1		
BUG	i P	Z 07:35:19.9			1.5	38	4.9		
CLL	i P	Z 07:35:31.2			1.5	20	4.6		
CLZ	i P	Z 07:35:25.2			1.2	9	4.4		
GRA1	i P	Z 07:35:46.3			1.6	28	4.7		
MOX	i P	Z 07:35:35.6			0.6	5	4.4		
TNS	i P	Z 07:35:38.8			1.7	18	4.5		
WET	i P	Z 07:35:52.7			2.1	16	4.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/17	13:59:59.6	16.902S	172.622W	33N	5.0	5.3		NEIC

Tonga Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 14:19:41.4							
	e PKPbc	Z 14:19:45.7			1.9	140			
	e PKPab	Z 14:19:54.6							
	e	14:20:08.6							
	e SS	E 14:42:04.1							
	e L	Z 15:25:07.8			20.0	547		5.3	
BFO	e PKPdf	Z 14:19:43.4							
	e PKPbc	Z 14:19:50.4			1.3	36			
	e PKPab	Z 14:20:00.5							
	e	14:20:13.0							
	e SSS	E 14:47:53.4							
	e L	Z 15:26:40.0			20.0	441		5.2	
BRG	e PKPdf	Z 14:19:36.5							
	e PKPbc	Z 14:19:40.7			2.2	60			
	e	14:20:04.3							
	e L	Z 15:42:55.0			18.0	555		5.4	
BSEG	e PKPdf	Z 14:19:31.7							
	e SS	E 14:41:05.5							
	e SSS	E 14:46:42.6							
	e L	Z 15:30:00.2			18.0	600		5.4	

BUG	e PKPdf	Z	14:19:36.3	0.9	8		
	e PKPbc	Z	14:19:40.6	1.0	22		
	e PKPab	Z	14:19:47.9				
	e		14:20:02.8				
	e SS	E	14:41:53.9				
	e SSS	E	14:47:22.8				
CLL	e L	Z	15:28:31.0	20.0	764	5.5	
	e PKPdf	Z	14:19:36.4	0.5	2		
	e PKPbc	Z	14:19:39.6	1.0	11		
	e		14:20:02.8				
	e SS	E	14:41:36.4				
	e SSS	E	14:47:21.6				
CLZ	e L	Z	15:31:30.9	18.0	783	5.5	
	e PKPdf	Z	14:19:36.3	0.9	4		
	e PKPbc	Z	14:19:38.8	1.0	15		
	e		14:20:01.9				
	e L	Z	15:30:58.3	18.0	809	5.5	
	e		14:20:13.4				
FUR	e PKPbc	Z	14:19:50.2	0.8	40		
	e PKPab	Z	14:20:01.1				
	e		14:20:13.4				
	e SS	N	14:42:37.3				
	e L	Z	15:33:28.1	18.0	567	5.4	
	e		14:19:37.4				
MOX	e PKPdf	Z	14:19:37.4				
	e PKPbc	Z	14:19:42.7	1.2	42		
	e PKPab	Z	14:19:50.3				
	e		14:20:06.1				
	e L	Z	15:39:06.6	20.0	656	5.4	
	e		14:22:40.9				
RGN	e PP	Z	14:22:40.9				
	e L	Z	15:34:51.7	18.0	628	5.4	
	e		15:36:50.7	18.0	781	5.5	
	e L	Z	15:36:50.7				
	e		14:19:49.2				
	e		14:20:12.6				
RUE	e SS	E	14:42:21.8				
	e L	Z	15:28:02.0	18.0	566	5.4	
	e PKPdf	Z	14:19:39.9				
	e PKPbc	Z	14:19:44.0	1.4	44		
	e PKPab	Z	14:19:52.9				
	e		14:20:07.1				
STU	e SS	E	14:42:04.2				
	e L	Z	15:34:56.0	18.0	702	5.5	
	e PKPdf	Z	14:19:42.2				
	e PKPbc	Z	14:19:46.6	2.6	128		
	e		14:20:10.2				
	e L	Z	15:35:16.5	18.0	923	5.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/17	18:40:16.8	7.530N	94.130E	65.0N	5.6	4.7		SZGRF
2000/08/17	18:40:09.6	5.748N	94.819E	69D	5.5			NEIC

Nicobar Islands, India, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e P	Z	18:52:11.7	79.8	93.4					
GEC2	i P	- Z	18:52:11.6	79.8	92.9	1.0	55	5.7		
RUE	e P	Z	18:52:12.8	80.0	93.6	0.7	86	6.0		
WET	e P	Z	18:52:15.2	80.4	92.3	1.0	37	5.4		
CLL	e P	Z	18:52:14.6	80.4	92.8					
MOX	i P	- Z	18:52:19.8	81.3	91.6					
FUR	e P	Z	18:52:20.4	81.4	91.0					
GRA1	i P	- Z	18:52:21.5	81.5	91.1	1.1	50	5.4		
	e pP	Z	18:52:39.4							
	e sP	Z	18:52:48.0							
	e S	N	19:02:25.2							
	e L	Z	19:35:21.0			21.1	389		4.7	
CLZ	e P	Z	18:52:23.9	82.1	90.8					
BSEG	e P	Z	18:52:24.2	82.1	91.0	1.1	58	5.4		
STU	e P	Z	18:52:27.5	82.8	89.5					
TNS	e P	Z	18:52:30.6	83.3	89.1					
BFO	e P	Z	18:52:31.2	83.4	88.8					
IBBN	e P	Z	18:52:32.5	83.7	88.8					
BUG	e P	Z	18:52:34.0	84.0	88.3					
WLF	e P	Z	18:52:38.8	84.8	87.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/17	19:45:26.7	52.010N	163.320E	33.0N	5.1			SZGRF
2000/08/17	19:45:19.8	49.365N	155.571E	33N	5.0			NEIC

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	19:57:08.5	76.3	23.0	1.1	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/18	01:52:26.2	34.080N	139.620E	33.0N	5.9	5.9		SZGRF
2000/08/18	01:52:21.1	34.141N	139.179E	10G	5.5	5.5		NEIC

Near south coast of eastern Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
IBBN	e P	Z	02:04:52.4	83.7	38.6	1.6	165	6.0		
GEC2	i P	- Z	02:04:52.5	83.9	42.7					
GRA1	i P	- Z	02:04:56.5	84.3	41.0	1.4	209	6.2		
	e PP	Z	02:08:12.0							
	e S	N	02:15:24.9							
	e SS	E	02:20:54.2							
	e L	Z	02:50:17.3			18.3	4314		5.9	

WLF	e P	Z	02:05:06.6	86.4	37.3	1.4	51	5.5
BFO	i P	- Z	02:05:06.5			1.4	85	5.7
	e x	Z	02:05:39.8					
	e PP	Z	02:08:33.9					
	e S	E	02:15:44.9					
	e		02:16:40.6					
	e SS	E	02:21:34.7					
	e L	Z	02:52:41.6			20.0	3426	5.8
BRG	i P	- Z	02:04:45.6			1.2	50	5.6
	e x	Z	02:05:14.2					
	e PP	Z	02:08:01.3					
	e S	E	02:15:04.6					
	e		02:16:06.0					
	e SS	E	02:20:20.7					
	e L	Z	02:49:01.8			18.0	4428	5.9
BSEG	i P	- Z	02:04:41.4			1.3	111	5.8
	e x	Z	02:05:12.9					
	e PP	Z	02:07:44.7					
	e S	E	02:14:55.9					
	e		02:16:01.7					
	e SS	E	02:20:19.3					
	e L	Z	02:48:19.9			18.0	3925	5.8
BUG	i P	- Z	02:04:56.9			1.2	92	5.9
	e x	Z	02:05:26.1					
	e S	E	02:15:27.6					
	e		02:16:25.2					
	e SS	E	02:21:06.3					
	e L	Z	02:45:44.5			18.0	4746	5.9
CLL	i P	- Z	02:04:45.8			1.3	93	5.9
	e x	Z	02:05:14.9					
	e		02:07:33.1			1.4	20	
	e PP	Z	02:07:58.2			4.9	403	
	e S	E	02:15:03.1			12.4	705	
	e S	N	02:15:05.4			13.4	719	
	e		02:16:06.1					
	e SS	N	02:20:20.9					
	e SS	E	02:20:22.1					
	e LH	E	02:34:29.0					
	e LH	N	02:34:30.7					
	e LmH	E	02:42:14.4			16.9	10065	
	e LmH	N	02:42:15.4			15.0	4408	
	e L	Z	02:45:05.5			18.1	3207	5.7
	e LmV	Z	02:47:43.2			13.3	5697	
CLZ	i P	- Z	02:04:49.5			1.5	135	5.9
	e x	Z	02:05:19.1					
	e PP	Z	02:07:59.7					
	e S	E	02:15:11.7					
	e		02:16:13.8					
	e SS	E	02:20:43.5					

	e L	Z	02:46:14.7	18.0	7799		6.1
FUR	i P	- Z	02:05:01.8	1.9	315	6.1	
	e x	Z	02:05:31.1				
	e PP	Z	02:08:24.9				
	e S	E	02:15:35.1				
	e		02:16:35.7				
	e SS	N	02:21:12.1				
	e L	Z	02:49:11.0	18.0	3026		5.7
MOX	i P	- Z	02:04:51.4	1.7	114	5.8	
	e x	Z	02:05:20.8				
	e S	E	02:15:15.5				
	e		02:16:14.8				
	e SS	E	02:20:50.0				
	e L	Z	02:48:03.2	18.0	3679		5.8
RGN	e PP	Z	02:07:35.0				
	e S	E	02:14:41.1				
	e		02:15:42.1				
	e SS	E	02:19:53.7				
	e L	Z	02:42:07.5	18.0	3803		5.8
RUE	e x	Z	02:05:09.2				
	e PP	Z	02:07:48.2				
	e S	E	02:14:50.9				
	e		02:15:53.4				
	e SS	E	02:20:14.7				
	e L	Z	02:48:47.7	18.0	3323		5.7
STU	i P	- Z	02:05:03.9	1.4	104	5.8	
	e x	Z	02:05:32.7				
	e S	E	02:15:37.2				
	e		02:16:35.6				
	e SS	E	02:21:25.8				
	e L	Z	02:50:31.7	18.0	2860		5.7
TNS	i P	- Z	02:04:59.4	1.9	117	5.7	
	e x	Z	02:05:29.6				
	e PP	Z	02:08:18.7				
	e S	E	02:15:32.1				
	e		02:16:29.0				
	e SS	E	02:21:13.8				
	e L	Z	02:49:51.2	18.0	4786		5.9
WET	i P	- Z	02:04:54.5	1.8	120	5.8	
	e x	Z	02:05:23.4				
	e PP	Z	02:08:06.9				
	e S	E	02:15:21.8				
	e		02:16:22.0				
	e SS	E	02:21:01.3				
	e L	Z	02:50:26.0	18.0	5453		6.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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./2000/bul0008.txt

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2000/08/18 02:08:51.8 35.880N 140.290E 27.9 5.4 SZGRF
2000/08/18 02:08:39.7 34.034N 139.077E 10G 4.9 NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:21:15.7	84.4	41.1	1.1	29	5.4		
	e pP	Z 02:21:23.6							
	e sP	Z 02:21:27.3							
	e PP	Z 02:24:28.0							
CLL	i P	+ Z 02:21:04.5			0.9	14			
	i pP	Z 02:21:14.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/18	03:07:18.8	17.348S	178.550W	285D	4.2			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 03:26:26.0	146.7	17.2					
CLL	i PKP	+ Z 03:26:20.0			0.6	10			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/18	03:49:20.6	35.510N	140.420E	33.0N	5.3	4.6		SZGRF
2000/08/18	03:49:11.6	34.310N	139.135E	10G	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 04:01:46.4	84.2	40.9	1.2	23	5.3		
	e L	Z 04:44:09.9			19.4	259		4.6	
CLL	i P	+ Z 04:01:35.5			1.3	10	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/18	18:14:31.4			N				SZGRF
2000/08/18	18:15:06.1	36.010N	4.916E	10G	5.2	4.8		NEIC

Northern Algeria

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:18:30.2	14.4	200.9	1.0	28			
	e L	Z 18:22:58.0			21.6	857			
CLL	e P	Z 18:18:58.2			2.0	84			
	e	18:19:11.2			1.2	55			
	e S	E 18:21:53.0							
	e LmH	E 18:24:03.4			17.9	4516			
	e LmH	N 18:24:04.2			19.7	2229			

e LmV	Z	18:25:53.1	15.7	2715	
e L	Z	18:26:12.7	18.6	1317	4.2

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	04:17:22.4	17.810N	124.110E	33.0N				SZGRF

Philippine Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:30:20.6	90.4	61.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	05:16: 8.9	58.440N	156.030W	33.0N	4.9			SZGRF
2000/08/19	05:16:03.4	56.933N	156.523W	66	4.5			NEIC

Alaska Peninsula, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 05:27:26.0	72.9	353.0	0.7	7	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	08:18: 9.5			N				SZGRF

Nova Scotia, Canada

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:26:34.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	12:41:28.8	35.890N	141.840E	39.9	5.4	5.3		SZGRF
2000/08/19	12:41:13.8	35.830N	142.290E	38.9	5.4	5.4		GRSN
2000/08/19	12:41:29.6	36.609N	141.437E	33N	4.8	4.9		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 12:53:38.8	80.0	40.2	1.3	67	5.5		
	e PP	Z 12:56:49.2	81.0	40.0	18.2	110			
	e L	Z 13:33:45.0			20.0	1352		5.3	
IBBN	i P	+ Z 12:53:51.1	82.4	35.9	1.1	41	5.6		
	e pP	Z 12:54:02.8			1.2	98			
GEC2	i P	+ Z 12:53:52.3	82.8	39.8	1.2	18	5.2		
GRA1	i P	+ Z 12:53:55.8	83.1	38.1	1.4	92	5.8		
	e pP	Z 12:54:07.4							
	e PP	Z 12:57:14.2							

	e S	E	13:04:18.0						
	e SS	E	13:09:42.2						
	e L	Z	13:34:16.3			18.7	1257		5.3
WLF	i P	Z	12:54:05.4	85.1	34.5	1.9	56	5.4	
RGN	e PP	Z	12:56:33.2	79.6	39.9	19.9	82		
	e S	E	13:03:31.2						
	e L	Z	13:31:22.7			18.0	1344		5.3
BSEG	i P	+ Z	12:53:39.9	81.1	37.6	1.2	46	5.4	
	e pP	Z	12:53:51.0			1.2	98		
	e PP	Z	12:56:42.7			17.8	114		
	e S	E	13:03:45.7						
	e SS	E	13:08:52.5						
	e L	Z	13:34:29.0			18.0	1392		5.4
BRG	i P	+ Z	12:53:44.8	82.1	39.9	1.2	35	5.4	
	e pP	Z	12:53:56.0			1.3	72		
	e PP	Z	12:56:47.0			20.4	96		
	e S	E	13:03:56.0						
	e SS	E	13:09:22.9						
	e L	Z	13:34:10.6			18.0	2086		5.5
CLL	i P	+ Z	12:53:44.6	82.2	39.3				
	e pP	Z	12:53:56.0			1.1	88		
	e PP	Z	12:56:53.1			21.9	93		
	e S	E	13:03:54.7						
	e SS	E	13:09:31.3						
	e L	Z	13:34:14.4			18.0	1519		5.4
MOX	i P	+ Z	12:53:50.4	83.2	38.3	1.3	27	5.3	
	e pP	Z	12:54:01.6			1.4	58		
	e PP	Z	12:57:04.4			20.7	61		
	e L	Z	13:35:03.2			18.0	2013		5.5
WET	i P	+ Z	12:53:54.3	83.9	39.0	1.3	33	5.4	
	e pP	Z	12:54:05.8			1.3	57		
	e PP	Z	12:57:07.9			20.2	77		
	e S	E	13:04:14.5						
	e SS	E	13:09:36.9						
	e L	Z	13:34:14.2			18.0	2069		5.6
BUG	i P	+ Z	12:53:55.6	84.2	35.2	1.4	28	5.3	
	e pP	Z	12:54:06.7			1.4	57		
	e PP	Z	12:57:13.7			21.4	67		
	e S	E	13:04:17.4						
	e SS	E	13:09:39.8						
	e L	Z	13:38:12.8			18.0	1378		5.4
TNS	i P	+ Z	12:53:58.4	84.8	36.0	1.4	30	5.3	
	e pP	Z	12:54:09.4			1.6	64		
	e PP	Z	12:57:16.7			19.3	99		
	e S	E	13:04:22.8						
	e SS	E	13:09:55.1						
	e L	Z	13:36:18.7			20.0	1171		5.3
FUR	i P	+ Z	12:54:01.6	85.3	37.9	1.2	53	5.6	

	e pP	Z	12:54:13.1			1.4	140			
	e PP	Z	12:57:15.8			18.3	117			
	e S	E	13:04:25.9							
	e SS	E	13:09:59.3							
	e L	Z	13:35:08.2			18.0	2240		5.6	
STU	i P	+ Z	12:54:03.1	85.7	36.4	1.2	47	5.5		
	e pP	Z	12:54:14.4			1.2	94			
	e PP	Z	12:57:23.6			18.6	94			
	e S	E	13:04:28.4							
	e SS	E	13:09:56.2							
	e L	Z	13:36:41.5			18.0	1464		5.4	
BFO	i P	+ Z	12:54:06.3	86.4	35.8	1.1	35	5.4		
	e pP	Z	12:54:17.7			1.3	82			
	e PP	Z	12:57:28.3			18.8	102			
	e S	E	13:04:39.4							
	e SS	E	13:10:12.1							
	e L	Z	13:35:41.3			18.0	1095		5.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	17:26:26.9	43.440N	146.600E	33.0N	6.3	5.2		SZGRF
2000/08/19	17:26:25.0	43.750N	147.950E	49.7	6.2	5.2		GRSN
2000/08/19	17:26:27.8	43.803N	147.173E	63D	6.0			NEIC

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e P	Z 17:38:01.7	74.1	32.8	1.0	730	6.7		
	e sP	Z 17:38:17.9							
	e PP	Z 17:40:44.4							
	e S	E 17:47:28.4							
	e SS	E 17:52:17.0							
	e L	Z 18:13:50.9			20.0	1692		5.3	
BSEG	i P	+ Z 17:38:09.2	75.6	30.6	1.0	489	6.6		
	e sP	Z 17:38:28.0							
	e PP	Z 17:40:55.6							
	e S	E 17:47:44.8							
	e SS	E 17:52:38.8							
	e L	Z 18:15:16.6			20.0	1485		5.3	
RUE	i P	Z 17:38:09.9	75.7	32.8	1.4	641	6.6		
	e PP	Z 17:41:08.6	76.0	32.3					
	e L	Z 18:12:34.5			18.0	937		5.1	
CLL	i P	+ Z 17:38:16.4	76.9	32.1	0.8	401	6.6		
	e sP	Z 17:38:37.6							
	e PP	Z 17:41:07.7							
	e S	E 17:47:57.3							
	e SS	E 17:52:57.2							
	e L	Z 18:13:20.1			22.0	1341		5.2	
BRG	i P	+ Z 17:38:16.8	77.0	32.7	0.9	117	6.0		

	e sP	Z	17:38:36.9						
	e PP	Z	17:41:19.5						
	e S	E	17:47:59.2						
	e SS	E	17:53:01.2						
	e L	Z	18:16:36.9			18.0	1353		5.3
IBBN	i P	+ Z	17:38:21.2	77.7	28.7	0.8	295	6.5	
	e sP	Z	17:38:39.6						
MOX	i P	+ Z	17:38:22.4	78.0	31.1	0.9	120	6.0	
	e sP	Z	17:38:41.7						
	e PP	Z	17:41:28.8						
	e S	E	17:48:09.4						
	e SS	E	17:53:13.1						
	e L	Z	18:16:12.3			18.0	1118		5.2
BUG	i P	+ Z	17:38:26.0	78.6	28.3	0.9	178	6.1	
	e sP	Z	17:38:45.1						
	e PP	Z	17:41:28.7						
	e S	E	17:48:18.5						
	e SS	E	17:53:21.4						
	e L	Z	18:14:18.6			22.0	2290		5.5
GEC2	i P	+ Z	17:38:26.0	78.8	32.3	0.8	64	5.7	
WET	i P	+ Z	17:38:27.6	78.8	31.8	1.0	211	6.1	
	e sP	Z	17:38:47.0						
	e PP	Z	17:41:30.5						
	e S	E	17:48:21.1						
	e SS	E	17:53:27.7						
	e L	Z	18:17:06.8			18.0	1897		5.5
GRA1	i P	+ Z	17:38:28.2	78.9	30.8	0.8	379	6.5	
	e S	N	17:48:18.8						
	e PP	Z	17:41:31.2						
	e SS	N	17:53:29.2						
	e L	Z	18:17:28.9			20.0	1021		5.2
TNS	i P	+ Z	17:38:29.7	79.3	29.0	0.8	124	5.9	
	e sP	Z	17:38:52.7						
	e PP	Z	17:41:33.7						
	e S	E	17:48:25.5						
	e SS	N	17:53:41.7						
	e L	Z	18:18:39.7			18.0	1047		5.2
FUR	e P	Z	17:38:34.8	80.2	30.6	0.9	323	6.3	
	e sP	Z	17:38:55.6						
	e PP	Z	17:41:39.6						
	e S	E	17:48:35.5						
	e L	Z	18:18:57.8			18.0	1432		5.4
STU	i P	+ Z	17:38:35.6	80.4	29.3	0.8	248	6.3	
	e sP	Z	17:38:57.2						
	e S	E	17:48:36.6						
	e SS	N	17:53:51.9						
	e L	Z	18:20:05.5			22.0	575		4.9
WLF	e P	Z	17:38:37.2	80.5	27.4				
BFO	i P	+ Z	17:38:38.9	81.0	28.7	0.8	134	6.1	

e sP	Z	17:39:00.4									
e PP	Z	17:41:43.9									
e S	E	17:48:42.2									
e SS	E	17:54:03.5									
e L	Z	18:20:43.6			18.0		783		5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	18:34: 7.8	63.040N	145.570W	33.0N				SZGRF
2000/08/19	18:33:32.0	61.067N	151.317W	68	4.5			NEIC

Central Alaska, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:44:50.0	68.4	351.0					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	20:46:28.3	35.260N	141.440E	33.0N	5.3			SZGRF
2000/08/19	20:46:22.6	34.315N	139.003E	10G	4.8			NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:58:57.3	84.1	41.0	1.0	20	5.3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/19	21:26:15.4	39.080N	41.240E	33.0N				SZGRF

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:31:25.0	23.7	105.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 01:24:00.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	07:24:12.7	35.110N	142.110E	33.0N	5.1	4.8		SZGRF
2000/08/20	07:24:08.3	34.124N	139.387E	10G	4.8			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:36:43.7	84.4	40.8	0.9	12	5.1		
	e L	Z 08:22:14.2			18.2	386		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	07:51:50.3			N				SZGRF
2000/08/20	07:51:40.8	33.904N	139.115E	10G	4.5			NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:04:17.9	84.5	41.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	07:56:31.7	8.2N	125.0	33.0N	5.4	4.5		SZGRF
2000/08/20	07:55:49.5	7.602N	126.418E	169	5.5			NEIC

Mindanao, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:09:17.5	98.7	69	2.2	101	6.2		
	e L	Z 08:56:46.2			21.9	207		4.5	
BFO	i P	+ Z 08:09:27.1			1.8	16	5.4		
	e PP	Z 08:13:38.9							
BRG	i P	+ Z 08:09:07.7			1.7	85	6.2		
	e pP	Z 08:09:50.1							
	e PP	Z 08:13:04.6							
BSEG	i P	+ Z 08:09:11.1			1.4	37	5.9		
	e PP	Z 08:13:10.0							
BUG	i P	+ Z 08:09:23.8			1.3	31	5.8		
	e pP	Z 08:10:05.9							
	e PP	Z 08:13:28.0							
CLL	i P	+ Z 08:09:09.1			1.6	46	6.0		
	e pP	Z 08:09:53.7							
	e PP	Z 08:13:07.4							
FUR	i P	+ Z 08:09:20.1			1.7	72	5.9		
	e PP	Z 08:13:25.8							
IBBN	i P	+ Z 08:09:20.9			1.5	83	6.0		
	e pP	Z 08:09:59.9							
	e PP	Z 08:13:29.1							
MOX	i P	+ Z 08:09:14.1			1.6	47	5.9		
	e PP	Z 08:13:17.5							
STU	i P	+ Z 08:09:24.6			2.0	68	5.9		
	e PP	Z 08:13:34.5							
TNS	i P	+ Z 08:09:23.5			1.6	42	5.8		

	e PP	Z	08:13:27.4								
WET	i P	+ Z	08:09:13.6		1.4		34	5.9			
	e pP	Z	08:09:56.3								
	e PP	Z	08:13:14.3								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	08:24:28.6			N				SZGRF
Bay of Campeche								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:36:44.5	99.9	65.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	10:48:19.1	24.220N	122.700E	33.0N		4.6		SZGRF
2000/08/20	10:48:13.8	22.918N	120.730E	10G	4.9	4.2		NEIC
Taiwan region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:00:48.8	84.4	60.7					
	e PP	Z 11:04:04.3							
	e L	Z 11:43:46.2			21.3	273		4.6	
CLL	e (P)	Z 11:00:39.1			1.5	10			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	15:47:51.9	32.930N	141.240E	33.0N				SZGRF
2000/08/20	15:47:55.0	34.020N	139.208E	10G	4.6			NEIC
Southeast of Honshu, Japan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:00:30.6	84.5	41.0					
CLL	i P	+ Z 16:00:20.6			1.0	6			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 21:02:37.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	22:20:11.9			N				SZGRF

Southern Iran

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:28:08.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/20	22:45:57.0			N				SZGRF
2000/08/20	22:38:30.0	1.307S	123.226E	33N	5.4	4.9		NEIC

Sichuan, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:57:06.8	105.1	73.7	1.4	26			
	e L	Z 23:43:23.2			22.0	272			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/21	03:30:50.5	21.790S	70.910E	33.0N				SZGRF

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:43:41.6	88.8	126.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/21	09:16:28.8	53.028S	45.999W	33N	5.8	5.9		NEIC

South Atlantic Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 09:35:57.0	113.5	213.5					
	e L	Z 10:18:24.4			21.9	2616		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/21	09:33:21.0			N				SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:45:52.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/21	13:25:37.1	24.300N	103.380E	33.0N		4.5		SZGRF
2000/08/21	13:25:45.1	25.885N	102.284E	33N	5.0	4.2		NEIC

Yunnan, China

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:37:04.2	71.2	71.8					
	e L	Z 14:10:48.7			20.9	253		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/21	17:14:28.3	44.780N	8.700E	10.0G			5.2	SZGRF
2000/08/21	17:14:27.8	45.002N	8.417E	10G		4.6		NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 17:15:22.8	3.3	178.9					5.3
	e Sn	N 17:16:04.0							
FUR	e Pn	Z 17:15:27.9	3.7	212.9					
STU	e Pn	Z 17:15:28.9	3.8	188.3					5.5
	e Sn	N 17:16:15.1							
WLF	e Pn	Z 17:15:46.2	4.9	160.9					5.5
	e Sn	N 17:16:44.1							
GRA1	e Pn	Z 17:15:44.7	5.1	203.1					
WET	e Pn	Z 17:15:46.6	5.1	217.9					5.0
	e Sn	N 17:16:44.9							
TNS	e Pn	Z 17:15:48.2	5.2	180.2					5.3
	e Sn	N 17:16:50.7							
GEC2	e Pn	Z 17:15:47.6	5.3	225.2					4.9
	e Sn	N 17:16:47.0							
MOX	e Pn	Z 17:15:58.1	6.0	202.0					5.2
	e Sn	N 17:17:06.4							
BUG	e Pn	Z 17:16:06.6	6.5	172.8					5.3
	e Sn	N 17:17:20.8							
BRG	e Pn	Z 17:16:11.1	6.9	214.3					
CLZ	e Pn	Z 17:16:11.6	7.0	191.5					
CLL	e Pn	Z 17:16:11.0	7.0	207.6					
IBBN	e Pn	Z 17:16:18.4	7.3	176.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/22	00:52:47.8	44.800N	8.560E	10.0G			2.9	SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 00:53:42.2	3.5	177.3					2.9
	e Sn	N 00:54:23.6							
FUR	e Pn	Z 00:53:47.6	3.8	210.1					
WET	e Pn	Z 00:54:06.1	5.2	215.7					
	e Sn	E 00:55:04.1							

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GEC2	e Pn	Z	00:54:07.1	5.4	222.9						
	e Sn	N	00:55:07.5								
TNS	e Pn	Z	00:54:07.8	5.4	179.2						
	e Sn	E	00:55:09.2								
MOX	e Sn	E	00:55:26.9	6.2	200.5						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/22	02:44:27.6			G				SZGRF
Corsica, France								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 02:45:57.0							
GEC2	e Pn	Z 02:46:13.2							
	e Sn	N 02:47:32.5							
WET	e Pn	Z 02:46:12.3							
	e Sn	N 02:47:31.1							
WLF	e Pn	Z 02:46:22.5							
	e Sn	N 02:47:47.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/22	03:28:44.5	49.860N	17.530E	G			2.5	SZGRF
Czech and Slovak Republics								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	e Pn	Z 03:29:23.2	2.5	112.5					2.2
	e Sg	N 03:30:03.3							
GEC2	e Pn	Z 03:29:27.0	2.7	66.4					2.5
	e Sg	N 03:30:08.9							
WET	e Pn	Z 03:29:36.3	3.1	74.9					2.8
	e Sg	N 03:30:22.6							
CLL	e Pn	Z 03:29:36.8	3.2	115.0					
	e Sg	N 03:30:26.7							
MOX	e Sg	N 03:30:49.3	3.9	99.4					
GRA1	e Sg	N 03:30:55.0	4.1	85.2					
BFO	e Sg	N 03:32:03.7	6.2	72.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/22	03:35: 5.9	37.070N	24.800E	33.0N		4.2		SZGRF
2000/08/22	03:35:38.5	39.640N	23.940E	5G				NEIC
Southern Greece								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:38:48.9	13.5	133.4					

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:01:46.4	84.2	59.8	1.4	34	5.4		
	e PP	Z 01:05:11.4							
	e L	Z 01:43:40.0			19.4	429		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	05:14:18.7	53.610N	176.000W	33.0N	5.2			SZGRF
2000/08/23	05:14:04.0	51.214N	179.685W	33N	5.0	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 05:26:05.9	78.7	6.9			5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	13:01:59.9			N				SZGRF
2000/08/23	13:02:26.9	37.631N	1.773W	0G				NEIC

Morocco

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:06:11.3	15.2	222.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	13:41:25.9	40.706N	30.755E	10G	5.2	4.9		NEIC

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:45:18.2	16.4	115.9					
	e L	Z 13:54:13.8			21.6	1578		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	14:57:12.4	33.180N	140.940E	33.0N		5.3		SZGRF
2000/08/23	14:57:11.5	34.173N	139.176E	10G	5.0	4.7		NEIC

Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:09:49.5	84.3	41.0					
	e L	Z 15:55:17.2			18.0	1118		5.3	

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	15:46:10.7	21.260N	108.809W	10G	5.4	4.9		NEIC

Revilla Gigedo Islands, Mexico, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:59:22.4	91.4	306.2					
	e L	Z 16:40:23.0			20.7	998		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	16:24: 8.0			N				SZGRF
2000/08/23	16:15:31.2	22.541S	68.090W	117D	5.3			NEIC

North Atlantic Ocean

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 16:33:09.4	100.5	247.4					
BFO	e Pdiff	Z 16:28:54.4			3.3	125			
BRG	e Pdiff	Z 16:29:15.0			2.2	30			
	e PP	Z 16:33:24.5							
BSEG	e Pdiff	Z 16:29:09.8							
	e PP	Z 16:33:16.3							
CLL	e pPdiff	Z 16:29:42.2							
	e PP	Z 16:33:22.6							
CLZ	e Pdiff	Z 16:29:08.3							
	e PP	Z 16:33:11.8							
FUR	e PP	Z 16:33:06.9							
IBBN	e PP	Z 16:33:06.2							
MOX	e PP	Z 16:33:14.6							
TNS	e pPdiff	Z 16:29:30.1							
WET	e Pdiff	Z 16:29:08.9							
	e PP	Z 16:33:17.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	20:15:19.4	51.200N	159.900E	33.0N	5.4			SZGRF
2000/08/23	20:15:45.4	52.487N	159.001E	59	4.7			NEIC

South of Aleutian Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:27:19.8	76.0	19.7	1.2	36.5	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/23	20:53:11.1	44.290N	156.440E	33.0N				SZGRF

North Pacific Ocean

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	21:05:24.2	81.2	24.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/24	11:36:45.2	6.045S	102.749E	33N	5.7	5.9		NEIC

Southwest of Sumatera, Indonesia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z	11:50:00.8	93.9	94.7	1.4	51	5.7		
RUE	e P	Z	11:50:02.6	94.2	94.5	1.2	84	5.9		
	e L	Z	12:41:05.0			18.0	3625		5.9	
RGN	e P	Z	11:50:12.6	94.6	94.0					
	e L	Z	12:36:46.3			20.0	2994		5.8	
GRA1	e P	Z	11:50:09.0	95.6	92.8	1.4	72	5.9		
	e PP	Z	11:54:02.9							
	e S	N	12:01:29.7							
	e SS	N	12:07:50.0							
	e SKSac	E	12:00:42.8							
	e PS	E	12:02:51.6							
	e L	Z	12:43:03.7			18.8	3091		5.8	
WLF	e P	Z	11:50:23.5	98.9	88.9					
BFO	e P	Z	11:50:16.2			1.5	19	5.5		
	e PP	Z	11:54:16.0							
	e SKSac	E	12:00:42.7							
	e S	N	12:01:38.1							
	e PS	E	12:03:06.3							
	e L	Z	12:43:14.5			18.0	2382		5.7	
BRG	e P	Z	11:50:00.9			1.3	52	5.7		
	e PP	Z	11:53:48.1							
	e SKSac	E	12:00:33.4							
	e S	N	12:01:12.5							
	e PS	E	12:02:33.3							
	e SS	N	12:07:27.8							
	e L	Z	12:41:25.4			18.0	3362		5.8	
BSEG	e P	Z	11:50:13.5			1.3	36	5.7		
	e PP	Z	11:54:04.9							
	e SKSac	E	12:00:50.5							
	e S	N	12:01:30.8							
	e PS	E	12:02:57.3							
	e L	Z	12:38:14.5			18.0	3485		5.9	
BUG	e PP	Z	11:54:20.4							
	e S	N	12:01:42.8							
	e PS	E	12:03:15.9							
	e L	Z	12:41:20.3			20.0	3947		5.9	
CLL	e P	Z	11:50:03.5			1.1	25	5.4		
	e PP	Z	11:53:51.4							
	e SKSac	E	12:00:39.5							

	e S	N	12:01:08.7								
	e PS	E	12:02:40.7								
	e L	Z	12:43:32.0	18.0	2995			5.8			
CLZ	e P	Z	11:50:10.1	1.4	48			5.8			
	e PP	Z	11:54:04.2								
	e SKSac	E	12:00:48.1								
	e S	N	12:01:26.7								
	e PS	E	12:02:55.2								
	e L	Z	12:40:11.5	22.0	4355			5.9			
FUR	e PP	Z	11:54:01.0								
	e SKSac	E	12:00:45.4								
	e L	Z	12:46:23.6	18.0	1862			5.6			
MOX	e P	Z	11:50:07.3	1.5	42			5.6			
	e PP	Z	11:53:59.4								
	e SKSac	E	12:00:43.3								
	e S	N	12:01:26.2								
	e PS	E	12:02:44.7								
	e L	Z	12:41:31.1	20.0	3208			5.8			
STU	e PP	Z	11:54:11.2								
	e S	N	12:01:35.8								
	e PS	E	12:03:02.0								
	e L	Z	12:41:28.8	20.0	2219			5.6			
TNS	e P	Z	11:50:16.4	1.2	38			5.9			
	e PP	Z	11:54:15.2								
	e SKSac	E	12:00:49.2								
	e S	N	12:01:39.8								
	e PS	E	12:03:07.7								
	e L	Z	12:42:01.2	20.0	2624			5.7			
WET	e P	Z	11:50:03.1	1.4	62			5.7			
	e PP	Z	11:53:53.4								
	e SKSac	E	12:00:37.8								
	e S	N	12:01:15.3								
	e PS	E	12:02:38.5								
	e L	Z	12:47:48.5	18.0	2706			5.8			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/25 03:52:52.9
 South of Aleutian Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:05:05.3							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/25 06:42:21.6 24.710S 177.300W 33N 4.9 4.8
 East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e PKPdf	Z 07:02:12.8							
	i PKPab	Z 07:02:41.3			1.2	10			
BRG	e PKPdf	Z 07:02:08.6							
	i PKPbc	Z 07:02:16.0			1.2	18			
	e PKPab	Z 07:02:23.5			1.1	18			
BSEG	i PKPbc	Z 07:02:11.3			1.2	46			
	i PKPab	Z 07:02:16.3			1.1	24			
BUG	e PKPdf	Z 07:02:08.7							
CLL	i PKPbc	Z 07:02:15.4			1.0	21			
	i	07:02:19.8							
CLZ	i PKPab	Z 07:02:23.3			0.9	22			
	e PKPdf	Z 07:02:08.4							
	i PKPbc	Z 07:02:15.6			1.5	38			
GRFO	e PKPab	Z 07:02:23.4			1.0	19			
	i PKPab	Z 07:02:34.6			1.4	40			
	i PKPbc	Z 07:02:14.7			1.7	75			
IBBN	e PKPab	Z 07:02:23.1			0.9	21			
	i PKPab	Z 07:02:29.6			1.5	22			
MOX	i PKPab	Z 07:02:29.6							
STU	i PKPab	Z 07:02:39.8							
TNS	e PKPdf	Z 07:02:11.1							
	i PKPab	Z 07:02:32.0			1.2	11			
WET	i PKPab	Z 07:02:35.2			1.5	22			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/25 07:58:20.9 18.910S 179.380W
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	i PKPbc	+ Z 08:17:55.4	144.2	15.8	0.9	8			
IBBN	i PKPbc	+ Z 08:17:57.4	146.1	12.2	1.2	43			
CLL	i PKPbc	- Z 08:17:57.4	146.2	21.4	1.0	23			
CLZ	i PKPbc	+ Z 08:17:57.3	146.2	16.7	0.9	12			
BRG	i PKPbc	Z 08:17:58.4	146.3	23.2	1.1	10			
MOX	i PKPbc	Z 08:18:00.5	147.1	19.4	1.3	7			
GRFO	i PKPbc	Z 08:18:02.9	148.1	19.2	0.6	11			
TNS	i PKPbc	+ Z 08:18:05.0	148.1	14.1	1.0	9			
WET	i PKPbc	+ Z 08:18:05.1	148.2	22.4	1.3	7			
BFO	i PKPbc	+ Z 08:18:07.3	149.9	14.7	1.1	7			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/25 13:17:41.9 44.910N 151.660E 33.0N SZGRF
 2000/08/25 13:17:43.0 43.100N 144.380E 33N NEIC
 East of Kuril Islands, Russia

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Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:29:44.7	78.6	32.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/25	13:32:43.3			N				SZGRF
2000/08/25	13:32:24.5	9.474N	85.437W	33N	4.5	4.5		NEIC

Nicaragua

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:45:08.7	87.0	281.2					
	e L	Z 14:05:53.0			20.0	156			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/25	18:33:39.6	5.269S	102.661E	33N	4.7	4.5		NEIC

Mid-Indian Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:47:01.7	94.9	92.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/26	23:42:11.1	36.720N	142.110E	33.0N	5.2	4.1		SZGRF
2000/08/26	23:42:08.2	35.765N	139.937E	33N	4.8			NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 23:54:35.0	83.3	39.6	1.0	16	5.2		
	e L	Z 00:37:26.5			21.6	82		4.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/26	02:42:22.5	0.420N	30.740W	33.0N		3.9		SZGRF
2000/08/26	02:42:30.6	3.939N	32.671W	10G	4.6	4.1		NEIC

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:52:32.2	58.8	233.9					
	e L	Z 03:16:27.2			18.6	84		3.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/26	09:02:28.2	49.690N	174.050W	185.8	5.2			SZGRF

2000/08/26 09:02:52.3 52.330N 175.310W 221.2 5.2 GRSN
 2000/08/26 09:02:51.8 53.291N 175.029W 222D 5.1 NEIC
 South of Aleutian Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:14:26.0	76.9	3.8	1.3	45	5.2		
	e pP	Z	09:15:15.6							
	e		09:15:24.7							
BSEG	i P	+ Z	09:14:01.9	73.6	3.6	1.2	37	5.3		
	e pP	Z	09:14:53.6							
	i		09:14:59.6							
IBBN	i P	+ Z	09:14:11.7	75.3	1.9	1.2	52	5.5		
	e pP	Z	09:15:02.9							
	i		09:15:09.8							
CLZ	i P	+ Z	09:14:14.0	75.7	3.6	1.3	40	5.4		
	e pP	Z	09:15:07.3							
	i		09:15:12.2							
CLL	i P	+ Z	09:14:15.5	76.1	5.2	0.7	13	5.2		
	e pP	Z	09:15:08.1							
	i		09:15:13.9							
BUG	i P	+ Z	09:14:16.4	76.2	1.6	1.3	26	5.2		
	e pP	Z	09:15:09.2							
	i		09:15:14.5							
BRG	i P	+ Z	09:14:17.8	76.5	5.8	1.4	28	5.2		
	e pP	Z	09:15:10.5							
	i		09:15:16.2							
MOX	i P	+ Z	09:14:19.8	76.9	4.3	1.3	20	5.1		
	e pP	Z	09:15:12.6							
	i		09:15:18.3							
TNS	i P	+ Z	09:14:22.9	77.4	2.4	1.1	22	5.1		
	e pP	Z	09:15:15.7							
	i		09:15:21.1							
WET	i P	+ Z	09:14:28.1	78.3	5.1	1.2	10	4.7		
	e pP	Z	09:15:21.3							
	i		09:15:26.8							
STU	i P	+ Z	09:14:30.8	78.8	2.8	1.5	37	5.1		
	i		09:15:29.6							
BFO	i P	+ Z	09:14:33.2	79.3	2.3	1.2	12	4.7		
	e pP	Z	09:15:26.3							
	i		09:15:32.1							
FUR	e P	Z	09:14:33.6	79.4	4.1					
	i		09:15:32.5							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/08/26 11:18:53.2 44.510N 10.360E 10.0G 3.4 SZGRF
 Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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BFO	e Pn	Z	11:19:54.9	4.1	159.1					3.4
	e Sn	N	11:20:42.1							
STU	e Sn	N	11:20:47.3	4.3	168.9					
GEC2	e Pn	Z	11:20:06.6	4.9	209.1					3.4
	e Sn	N	11:21:01.5							
WET	e Pn	Z	11:20:07.2	4.9	201.3					3.4
	e Sn	N	11:21:02.5							
GRA1	e Sn	E	11:21:08.6	5.2	186.8					
TNS	e Pn	Z	11:20:19.2	5.9	166.5					
	e Sn	N	11:21:25.1							
MOX	e Sn	N	11:21:34.4	6.2	188.3					
BRG	e Pn	Z	11:20:32.9	6.8	202.1					
	e Sn	N	11:21:46.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/26	15:30:48.9	41.800N	143.550E	33.0N	5.3	4.7		SZGRF
2000/08/26	15:30:47.5	41.860N	143.750E		5.1			GRSN
2000/08/26	15:30:49.5	42.219N	142.497E	33N	5.1	4.6		NEIC

Hokkaido, Japan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	15:42:52.2	78.7	34.6	0.9	35	5.3		
	e L	Z	16:21:13.8			18.9	331		4.7	
BSEG	i P	+ Z	15:42:34.0	76.2	33.8	0.9	29	5.4		
CLL	i P	+ Z	15:42:40.3	77.5	35.3	0.9	24	5.3		
BRG	i P	+ Z	15:42:40.5	77.5	35.9	0.9	6	4.7		
CLZ	i P	+ Z	15:42:43.7	78.0	33.6	0.9	30	5.4		
IBBN	i P	+ Z	15:42:46.2	78.4	31.9	0.9	30	5.3		
MOX	i P	+ Z	15:42:46.4	78.5	34.3	1.1	11	4.8		
WET	i P	+ Z	15:42:51.1	79.3	35.0	0.9	15	4.9		
BUG	i P	+ Z	15:42:50.9	79.3	31.5	0.9	21	5.1		
TNS	i P	+ Z	15:42:54.1	80.0	32.1	1.4	19	4.8		
FUR	i P	+ Z	15:42:58.9	80.7	33.8	0.9	38	5.4		
STU	i P	+ Z	15:42:59.6	80.9	32.5	0.9	26	5.3		
BFO	i P	+ Z	15:43:03.0	81.6	31.9	1.5	20	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/26								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	21:09:57.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/08/27 00:45: 6.8 33.040N 140.350E 33.0N 5.4 4.6 SZGRF
2000/08/27 00:45:08.1 34.416N 139.497E 10G 4.8 NEIC
Southeast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:57:43.1	84.2	40.6	1.3	42	5.4		
	e L	Z 01:38:10.1			19.9	245		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/27	01:45:17.3	52.160N	160.580E	33.0N	4.9			SZGRF
2000/08/27	01:45:27.1	52.860N	158.645E	95D	5.0			NEIC

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:56:55.2	73.8	19.8	0.9	11	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/27	03:46:33.5	39.130N	142.850E	33.0N	4.9			SZGRF

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:58:47.9	81.5	35.9	1.5	14	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/27	04:22:27.1	17.130S	177.950W	533.0G				GRSN
2000/08/27	04:22:27.1	17.479S	179.076W	549D	5.3			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 04:41:06.3	146.7	18.1					
	e PKPbc	Z 04:41:09.5							
	e PKPab	Z 04:41:12.7							
	i SKP	Z 04:44:03.2			1.3	22			
BSEG	i PKPbc	+ Z 04:40:56.7	142.6	13.1	0.9	186			
	i SKP	Z 04:43:48.9			1.2	25			
IBBN	i PKPbc	+ Z 04:41:03.5	144.5	9.4	1.0	424			
	i SKP	Z 04:43:53.2			1.3	36			
CLZ	i PKPbc	+ Z 04:41:03.9	144.7	13.8	1.0	213			
	e PKPab	Z 04:41:04.9			1.0	213			
	i SKP	Z 04:43:53.8			1.5	39			
CLL	i PKPdf	Z 04:41:02.6	144.7	18.3					
	i PKPbc	+ Z 04:41:03.8			0.7	235			

	e	PKPab	Z	04:41:04.8						
	i	SKP	Z	04:43:53.7			1.2		34	
BRG	i	PKPpdf	Z	04:41:02.6	144.9	20.1				
	i	PKPbc	+ Z	04:41:04.1			0.8		131	
	e	PKPab	Z	04:41:05.7			0.9		88	
	i	SKP	Z	04:43:54.0			1.4		32	
BUG	i	PKPpdf	Z	04:41:04.0	145.4	8.8				
	i	PKPbc	+ Z	04:41:05.8			1.0		86	
	i	SKP	Z	04:43:55.6			1.3		22	
MOX	i	PKPpdf	Z	04:41:04.1	145.6	16.3				
	i	PKPbc	+ Z	04:41:06.4			1.2		96	
TNS	i	PKPpdf	Z	04:41:05.7	146.5	11.1				
	i	PKPbc	+ Z	04:41:08.9			0.8		88	
	e	PKPab	Z	04:41:11.5			0.9		128	
WET	i	PKPpdf	Z	04:41:06.2	146.8	19.1				
	i	PKPbc	+ Z	04:41:09.6			1.8		181	
	e	PKPab	Z	04:41:13.0			1.1		87	
STU	i	PKPpdf	Z	04:41:07.9	147.8	12.9				
	i	PKPbc	+ Z	04:41:12.6			0.9		105	
	e	PKPab	Z	04:41:17.0			0.9		81	
FUR	i	PKPpdf	Z	04:41:08.2	148.1	16.8				
	i	PKPbc	+ Z	04:41:13.1			0.9		189	
	e	PKPab	Z	04:41:18.2			0.9		192	
BFO	i	PKPpdf	Z	04:41:08.6	148.4	11.5				
	i	PKPbc	+ Z	04:41:13.7			1.3		202	
	e	PKPab	Z	04:41:19.2			0.9		110	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/27	06:06: 4.3	53.960N	162.820E	15.2				SZGRF
2000/08/27	06:06:13.1	56.170N	163.031E	33N	5.1	4.5		NEIC

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:17:35.7	71.6	16.1					
	e pP	Z 06:17:40.0							
	e sP	Z 06:17:43.5							
BFO	i P	Z 06:17:43.6			1.4	13	4.8		
BRG	i P	Z 06:17:24.3			1.3	11	4.8		
BSEG	i P	Z 06:17:10.5			1.5	26	5.2		
BUG	i P	Z 06:17:28.8			1.4	16	5.0		
CLL	i P	Z 06:17:23.9			1.5	20	5.0		
CLZ	i P	Z 06:17:20.5			1.6	23	5.1		
FUR	i P	Z 06:17:40.6							
IBBN	i P	Z 06:17:20.4			1.3	24	5.2		
MOX	i P	Z 06:17:29.3			1.4	16	5.0		
STU	i P	Z 06:17:40.9							

TNS	i P	Z	06:17:32.8	1.3	11	4.8
WET	i P	Z	06:17:37.1	1.3	15	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/27	17:19:06.7	22.276N	143.763E	99D	5.6			NEIC

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:32:27.1	96.6	43.3	1.4	36	5.5		
	e pP	Z 17:32:58.4							
	e sP	Z 17:33:07.9							
	e PP	Z 17:36:22.8							
	e	17:36:47.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	02:29:24.5	17.998S	177.971W	600G	4.8			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 02:48:02.9	147.5	16.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	03:36:56.2	4.444N	126.782E	33N	5.8	5.0		NEIC

Talau Islands, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e P	Z 03:50:40.7	100.1	68.8	1.0	122	6.5		
BRG	e P	Z 03:50:42.1	100.6	69.2	1.0	60	6.1		
CLL	e P	Z 03:50:44.1	101.0	68.3	1.1	42	5.9		
GEC2	e P	Z 03:50:46.4	101.5	69.4	1.2	38	5.9		
BSEG	e P	Z 03:50:46.9	101.5	65.6	1.0	18	5.7		
WET	e P	Z 03:50:47.4	101.9	68.7	1.3	43	5.9		
MOX	e P	Z 03:50:49.3	102.1	67.3	1.1	35	5.9		
CLZ	e P	Z 03:50:50.8	102.3	66.1	1.2	65	6.2		
GRA1	e P	Z 03:50:52.0	102.7	67.2	1.4	40	6.0		
	e PP	Z 03:55:02.4							
	e L	Z 04:40:02.8			21.7	940		5.3	
FUR	e P	Z 03:50:54.3	103.2	67.6	1.1	36	6.0		
IBBN	e P	Z 03:50:56.1	103.6	63.7					
TNS	e P	Z 03:50:58.3	104.1	64.8	1.4	35	6.0		
BUG	e P	Z 03:50:59.0	104.2	63.5	1.3	29	6.0		
STU	e P	Z 03:50:59.6	104.2	65.7					
BFO	e P	Z 03:51:01.8	104.9	65.1	1.4	11	5.6		
WLF	e P	Z 03:51:06.0	105.6	63.0	1.5	24	6.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	08:19:59.1	39.210N	145.550E	33.0N	5.4			SZGRF
2000/08/28	08:19:56.4	37.771N	142.130E	33N	5.1			NEIC

Off east coast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:32:18.4	82.4	37.1	0.9	22	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	09:58: 5.6	18.000S	172.890W					GRSN
2000/08/28	09:58:05.0	17.438S	173.613W	33N	4.7	4.3		NEIC

Tonga Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	10:17:48.6	147.5	8.6					
IBBN	i PKPbc	+ Z	10:17:40.9	145.7	1.1	0.9	28			
CLZ	i PKPbc	+ Z	10:17:42.4	146.1	5.6	0.9	30			
CLL	i PKPbc	+ Z	10:17:42.8	146.4	10.2					
BUG	i PKPbc	+ Z	10:17:43.6	146.6	0.3					
MOX	i PKPbc	+ Z	10:17:45.3	147.2	7.9	1.3	23			
FUR	i PKPbc	+ Z	10:17:52.6	149.6	7.9	0.8	26			
BFO	i PKPbc	+ Z	10:17:52.3	149.7	2.3	1.0	16			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	15:05:47.9	4.018S	127.515E	16G	6.4	6.8		NEIC

Banda Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z	15:20:19.4	109.8	71.9					
	e PP	Z	15:24:57.9							
	e SKSac	E	15:31:05.4							
	e Sdiff	N	15:32:33.9							
	e SP	Z	15:34:23.0							
	e PS	Z	15:34:26.2							
	e PPS	Z	15:35:21.4							
	e SS	E	15:40:13.5							
	e L	Z	16:19:06.2			21.5	23985		6.7	
BFO	e Pdiff	Z	15:20:27.3			2.3	50			
	e PP	Z	15:25:03.8							
	e Sdiff	N	15:32:51.0							
	e PS	Z	15:34:44.7							
	e PPS	Z	15:35:48.7							

	e SS	N	15:41:09.8			
	e L	Z	16:20:08.1	22.0	14980	6.5
BRG	e Pdiff	Z	15:20:09.4	1.9	71	
	e PP	Z	15:24:45.2			
	e SKSac	E	15:30:47.8			
	e Sdiff	N	15:32:17.4			
	e PS	Z	15:33:59.1			
	e SS	E	15:40:06.7			
	e L	Z	16:19:26.5	20.0	27394	6.8
BSEG	e Pdiff	Z	15:20:14.8	1.6	55	
	e PP	Z	15:24:47.3			
	e SKSac	E	15:30:56.9			
	e Sdiff	N	15:32:24.4			
	e PS	Z	15:34:06.9			
	e PPS	Z	15:35:11.7			
	e SS	N	15:40:20.8			
	e L	Z	16:16:03.3	22.0	23681	6.7
BUG	e Pdiff	Z	15:20:26.3			
	e PP	Z	15:25:03.9			
	e SKSac	E	15:31:08.7			
	e Sdiff	N	15:32:51.2			
	e PS	Z	15:34:38.9			
	e PPS	Z	15:35:43.5			
	e SS	E	15:41:09.9			
	e L	Z	16:20:27.9	20.0	24657	6.8
CLL	e Pdiff	Z	15:20:11.9	2.3	77	
	e PP	Z	15:24:47.8			
	e SKSac	E	15:30:51.5			
	e Sdiff	N	15:32:19.4			
	e PS	Z	15:34:08.9			
	e PPS	Z	15:35:08.6			
	e SS	E	15:40:16.6			
	e L	Z	16:18:45.5	22.0	25489	6.7
CLZ	e Pdiff	Z	15:20:18.0	2.4	108	
	e PP	Z	15:24:43.9			
	e SKSac	E	15:31:02.0			
	e Sdiff	N	15:32:37.2			
	e PS	Z	15:34:13.9			
	e PPS	Z	15:35:07.1			
	e SS	E	15:40:33.6			
	e L	Z	16:18:08.0	20.0	27012	6.8
FUR	e Pdiff	Z	15:20:19.5			
	e PP	Z	15:24:55.6			
	e SKSac	E	15:31:05.3			
	e Sdiff	N	15:32:39.7			
	e PS	Z	15:34:34.0			
	e PPS	Z	15:35:30.4			
	e SS	E	15:40:47.2			
	e L	Z	16:20:55.8	20.0	22886	6.7

IBBN	e Pdiff	Z	15:20:24.8			
MOX	e Pdiff	Z	15:20:15.9	1.9	60	
	e PP	Z	15:24:48.7			
	e SKSac	E	15:31:02.0			
	e Sdiff	N	15:32:30.4			
	e PS	Z	15:34:21.2			
	e PPS	Z	15:35:13.1			
	e SS	E	15:40:26.1			
	e L	Z	16:16:08.1	20.0	21360	6.7
RGN	e Pdiff	Z	15:20:05.3			
	e PP	Z	15:24:33.2			
	e SKSac	E	15:30:46.9			
	e PS	Z	15:33:41.5			
	e PPS	Z	15:34:49.1			
	e SS	E	15:39:58.1			
	e L	Z	16:13:56.6	20.0	21669	6.7
RUE	e Pdiff	Z	15:20:07.7			
	e PP	Z	15:24:44.1			
	e SKSac	E	15:30:42.6			
	e Sdiff	N	15:32:11.6			
	e PS	Z	15:33:56.7			
	e PPS	Z	15:34:53.5			
	e SS	E	15:40:09.4			
	e L	Z	16:21:56.6	20.0	23832	6.7
STU	e Pdiff	Z	15:20:25.1			
	e PP	Z	15:25:00.5			
	e Sdiff	N	15:32:49.9			
	e PS	Z	15:34:47.8			
	e PPS	Z	15:35:40.5			
	e SS	E	15:41:10.2			
	e L	Z	16:15:04.9	22.0	14394	6.5
TNS	e Pdiff	Z	15:20:25.2			
	e PP	Z	15:25:01.2			
	e SKSac	E	15:31:14.1			
	e Sdiff	N	15:32:53.3			
	e PS	Z	15:34:47.0			
	e PPS	Z	15:35:40.7			
	e SS	E	15:41:00.9			
	e L	Z	16:19:12.5	22.0	20151	6.6
WET	e Pdiff	Z	15:20:14.7	2.0	72	
	e PP	Z	15:24:46.0			
	e SKSac	E	15:30:56.7			
	e Sdiff	N	15:32:24.3			
	e PS	Z	15:34:15.0			
	e PPS	Z	15:35:05.0			
	e SS	E	15:40:18.5			
	e L	Z	16:20:58.5	22.0	27027	6.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	15:38:06.7	3.882S	127.511E	10G	5.7	5.9		NEIC

Seram, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 15:52:41.6	109.7	71.9					
	e PP	Z 15:57:15.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	19:29:25.0	4.142S	127.253E	33N	6.5	6.4		NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 19:43:59.3	109.8	72.2	1.9	86			
	e PP	Z 19:48:30.5							
	e PPP	Z 19:50:58.2							
	e SKSac	E 19:54:26.9							
	e Sdiff	N 19:56:03.7							
	e PKKPab	Z 19:59:16.1			1.6	34			
	e SS	E 20:04:10.4							
	e L	Z 20:42:39.5			19.8	12112		6.5	
BFO	i Pdiff	Z 19:44:08.9			2.2	50			
	e PP	Z 19:49:00.8							
	e PPP	Z 19:51:31.0							
	e SKSac	N 19:54:39.7							
	e Sdiff	N 19:56:17.4							
	e PKKPab	Z 19:59:05.7			1.5	12			
	e L	Z 20:43:41.8			18.0	8812		6.4	
BRG	i Pdiff	- Z 19:43:50.7			1.8	84			
	e	19:43:57.9							
	e PP	Z 19:48:24.3							
	e SKSac	E 19:54:25.5							
	e Sdiff	N 19:55:41.0							
	e L	Z 20:35:10.5			22.0	9626		6.3	
BSEG	i Pdiff	- Z 19:43:56.2			2.1	170			
	e	19:44:02.9							
	e PP	Z 19:48:20.2							
	e SKSac	E 19:54:30.7							
	e Sdiff	N 19:55:55.2							
	e L	Z 20:39:13.0			22.0	9484		6.3	
BUG	i Pdiff	Z 19:44:08.5			2.3	101			
	e PP	Z 19:48:42.6							
	e PPP	Z 19:51:23.2							
	e SKSac	E 19:54:35.7							

	e Sdiff	N	19:56:17.4			
	e PKKPab	Z	19:59:08.7	2.0	87	
	e L	Z	20:43:53.7	20.0	12505	6.5
CLL	i Pdiff	- Z	19:43:52.5	1.9	70	
	e		19:43:59.9			
	e PP	Z	19:48:19.0			
	e PPP	Z	19:50:43.3			
	e SKSac	E	19:54:27.5			
	e Sdiff	N	19:55:47.3			
	e PKKPab	Z	19:59:23.5	2.2	53	
	e L	Z	20:41:04.7	20.0	10514	6.4
CLZ	i Pdiff	- Z	19:43:59.4	2.2	113	
	e		19:44:05.3			
	e PP	Z	19:48:27.1			
	e PPP	Z	19:50:50.8			
	e Sdiff	N	19:55:56.4			
	e L	Z	20:40:20.1	20.0	10972	6.4
FUR	i Pdiff	Z	19:44:02.3	2.0	114	
	e PP	Z	19:48:29.1			
	e PPP	Z	19:51:04.7			
	e SKSac	E	19:54:31.2			
	e Sdiff	N	19:56:05.4			
	e L	Z	20:44:30.2	20.0	12803	6.5
IBBN	i Pdiff	Z	19:44:05.6	1.6	102	
	e		19:44:13.0			
MOX	i Pdiff	- Z	19:43:57.5	1.8	63	
	e		19:44:03.8			
	e PP	Z	19:48:25.9			
	e SKSac	E	19:54:28.5			
	e Sdiff	N	19:55:57.9			
	e L	Z	20:39:39.9	20.0	8640	6.3
RGN	e PP	Z	19:48:07.8			
	e SKSac	E	19:54:22.5			
	e Sdiff	N	19:55:38.0			
	e L	Z	20:43:10.4	20.0	9465	6.3
RUE	e PP	Z	19:48:05.7			
	e PPP	Z	19:50:33.3			
	e SKSac	E	19:54:19.8			
	e Sdiff	N	19:55:40.7			
	e L	Z	20:35:41.5	22.0	10641	6.4
STU	i Pdiff	Z	19:44:07.0	2.0	103	
	e		19:44:13.5			
	e PP	Z	19:48:40.1			
	e Sdiff	N	19:56:14.2			
	e PKKPab	Z	19:59:09.7			
	e L	Z	20:43:19.8	18.0	7458	6.3
TNS	i Pdiff	Z	19:44:06.8	1.8	38	
	e		19:44:12.5			
	e PP	Z	19:48:40.1			

	e PPP	Z	19:51:10.7						
	e Sdiff	N	19:56:10.9						
	e L	Z	20:42:45.4	22.0	8229			6.3	
WET	i Pdiff	- Z	19:43:55.4	2.1	110				
	e		19:44:02.7						
	e PP	Z	19:48:26.0						
	e SKSac	E	19:54:29.7						
	e Sdiff	N	19:55:53.8						
	e L	Z	20:38:39.0	20.0	8780			6.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/28	20:00:34.8	44.310N	16.930E	10.0G				SZGRF
2000/08/28	20:00:31.6	44.412N	17.467E	10G				NEIC

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	20:01:49.6	5.1	148.4					
	e Sn	N	20:02:47.1							
WET	e Pn	Z	20:01:58.1	5.7	144.7					
	e Sn	N	20:02:59.5							
GRA1	e Pn	Z	20:02:11.4	6.8	138.8					
	e Sn	N	20:03:24.2							
STU	e Sn	E	20:03:31.8	7.2	124.4					
MOX	e Pn	Z	20:02:20.4	7.4	145.4					
	e Sn	N	20:03:40.6							
CLL	e Pn	Z	20:02:22.4	7.5	154.8					
TNS	e Pn	Z	20:02:34.1	8.4	130.1					
	e Sn	N	20:04:03.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29	02:00:28.1	32.980N	141.480E	33.0G	5.2	4.6		SZGRF
2000/08/29	02:00:35.2	34.266N	139.082E	10G	5.0	4.5		NEIC

Southeast of Honshu, Japan

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	02:13:10.2	84.2	41.0	0.9	19	5.2		
	e PP	Z	02:16:26.1							
	e L	Z	02:55:17.5			18.5	243		4.6	
BFO	i P	Z	02:13:20.7			1.1	19	5.1		
BRG	i P	Z	02:12:58.5			1.0	9	4.9		
BSEG	i P	Z	02:12:54.5			1.0	19	5.2		
BUG	i P	Z	02:13:09.7			0.9	14	5.2		
CLL	i P	Z	02:12:59.6			0.9	25	5.4		
CLZ	i P	Z	02:13:02.9			1.2	22	5.3		
FUR	i P	Z	02:13:15.7			0.8	34	5.5		
MOX	i P	Z	02:13:05.0			1.2	11	5.0		
STU	i P	Z	02:13:17.4			1.0	23	5.2		

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TNS	i P	Z	02:13:13.1	1.2	8	4.8
WET	i P	Z	02:13:08.1	1.1	11	5.0

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29	02:09:11.5	16.329S	174.507W	33N	4.4			NEIC

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 02:28:49.3	146.3	9.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29	03:08:28.7	34.280N	141.000E	33.0N	5.2			SZGRF
2000/08/29	03:08:26.4	34.239N	139.165E	10G	4.8	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 03:21:01.1	84.2	40.9	1.3	21	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29	07:14:39.0	2.160N	99.260E	41.1	4.9			SZGRF
2000/08/29	07:14:48.5	3.125N	96.452E	33N	5.0	4.3		NEIC

Northern Sumatra, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:27:20.6	84.5	91.6	0.9	9	4.9		
	e pP	Z 07:27:32.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 17:39:05.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/29	18:01:13.2	50.970N	175.490W	33.0N	5.1	4.4		SZGRF
2000/08/29	18:01:11.3	51.020N	177.449W	33N	4.9	4.5		NEIC

Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:13:15.1	79.0	5.5	1.4	40	5.1		

e L Z 18:59:14.5 18.3 147 4.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	01:07:47.4	44.240N	154.110E	33.0G	4.9			SZGRF

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:19:57.4	80.7	26.0	1.4	16	4.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	01:38:15.2	36.260N	139.580E	33.0N	5.0	4.5		SZGRF
2000/08/30	01:37:49.6	34.047N	139.411E	10G	4.7	4.5		NEIC

Eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:50:35.9	84.5	40.9	1.4	15	5.0		
	e L	Z 02:31:01.3			20.9	214		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	13:45:18.6	42.200N	15.810E	10.0G			3.9	SZGRF
2000/08/30	13:45:15.7	42.089N	15.671E	10G	4.0			NEIC

Adriatic Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 13:46:59.1	6.9	167.7					3.8
	e Sn	N 13:48:13.2							
WET	e Pn	Z 13:47:02.7	7.3	163.5					
	e Sn	N 13:48:22.5							
BFO	e Pn	Z 13:47:14.4	8.1	137.7					3.9
	e Sn	N 13:48:43.4							
GRA1	e Pn	Z 13:47:16.4	8.2	156.2					
MOX	e Pn	Z 13:47:25.5	9.0	160.4					4.0
	e Sn	N 13:49:01.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	15:06: 5.1	49.090N	155.180E	33.0N	5.2			SZGRF
2000/08/30	15:06:20.0	48.200N	142.970E		4.9			GRSN
2000/08/30	15:06:19.0	48.826N	142.233E	10G	4.9	4.2		NEIC

Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1	e P	Z	15:17:52.1	72.9	31.3	1.6	31	5.2
CLL	i P	+ Z	15:17:39.1	71.7	32.6	0.9	10	4.9
	e		15:17:42.4					
BRG	i P	Z	15:17:39.9	71.7	33.0			
	e		15:17:42.8					
CLZ	i P	+ Z	15:17:42.2	72.1	31.0	1.5	21	5.1
	e		15:17:45.1					
MOX	i P	+ Z	15:17:45.6	72.7	31.6	1.4	13	4.9
	e		15:17:48.9					
WET	i P	+ Z	15:17:51.2	73.6	32.1	1.4	16	4.8
	e		15:17:54.5					
BFO	i P	+ Z	15:18:03.3	75.8	29.3	2.0	27	5.0
	e		15:18:07.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	17:44:40.8	35.040N	82.300E	33.0G				SZGRF
2000/08/30	17:45:09.7	37.057N	77.863E	33N	4.4			NEIC

Xizang

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:53:52.4	48.4	78.5					
	e	17:53:57.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/30	18:19:39.2	43.160N	45.370E	33.0N	4.2			SZGRF
2000/08/30	18:19:31.5	43.017N	45.664E	10G	4.3	3.6		NEIC

Eastern Caucasus

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:24:53.1	24.5	92.6	1.0	8	4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	02:08:50.7	31.150N	77.220E	33.0N	4.8			SZGRF
2000/08/31	02:08:45.3	31.947N	78.385E	33N	4.8			NEIC

Northern India

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 02:17:55.0	51.9	83.4	1.5	20	4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	03:53:11.9	42.100N	15.210E	10.0G				SZGRF

Adriatic Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	03:54:52.4	6.8	170.5					
	e Sn	N	03:56:06.3							
WET	e Pn	Z	03:54:57.4	7.2	166.1					
	e Sn	N	03:56:16.0							
BFO	e Sn	N	03:56:33.2	7.9	139.6					
MOX	e Pn	Z	03:55:19.9	8.9	162.5					
	e Sn	N	03:56:54.5							
TNS	e Pn	Z	03:55:23.4	9.4	147.5					
	e Sn	N	03:57:06.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e P	Z	08:02:47.4			1.0	26			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	08:17:36.3	11.290N	59.660E	33.0N				SZGRF
2000/08/31	08:17:26.3	9.219N	58.117E	10G	5.0	4.4		NEIC

Arabian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:27:06.5	56.0	119.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	08:23:19.6	6.760N	123.380E	33.0N				SZGRF
2000/08/31	08:24:10.8	5.086N	123.206E	579	5.6			NEIC

Mindanao, Philippine Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	08:36:56.2	100.0	69.7					
	e PP	Z	08:41:15.3							
BFO	i P	- Z	08:37:05.4							
	e PP	Z	08:41:29.6							
BRG	e P	Z	08:36:46.9			0.9	42			
	e PP	Z	08:40:58.9							
BSEG	e P	Z	08:36:51.7			0.9	39			
	e PP	Z	08:41:06.6							
BUG	i P	- Z	08:37:03.4							

CLL	i P	- Z	08:36:48.2						
	e PP	Z	08:41:01.4						
CLZ	e P	Z	08:36:55.0	1.3				59	
	e PP	Z	08:41:13.4						
IBBN	e P	Z	08:37:01.2	1.7				140	
MOX	e P	Z	08:36:53.1	1.4				36	
	e PP	Z	08:41:10.4						
STU	i P	- Z	08:37:03.1	1.3				33	
	e PP	Z	08:41:23.8						
TNS	i P	- Z	08:36:57.2	1.2				17	
	e PP	Z	08:41:21.6						
WET	e P	Z	08:36:52.1	1.2				24	
	e pP	Z	08:39:00.5						
	e PP	Z	08:41:07.2						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	08:30:11.1	27.770N	98.720E	37.0				SZGRF
Myanmar-China border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:41:04.7	67.6	72.9					
	e pP	Z 08:41:15.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	11:41:56.8			N				SZGRF
2000/08/31	11:43:04.9	41.860N	29.209W	10G	4.8			NEIC
North Atlantic Ocean								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:49:06.9	28.9	269.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	11:57:38.8			N				SZGRF
2000/08/31	11:58:23.0	15.570N	119.200E	73?	5.1			NEIC
Mindanao, Philippine Islands								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:11:13.6	89.3	66.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	13:50:31.5	50.650N	176.160W	33.0N	5.0	4.5		SZGRF

2000/08/31 13:50:33.0 51.297N 178.204W 33N 4.8 4.4 NEIC
 Andreanof Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:02:35.0	78.7	6.0	1.1	26	5.0		
	e L	Z 14:58:40.9			21.4	235		4.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	18:21:59.6	44.170N	152.770E	33.0N	5.0			SZGRF
2000/08/31	18:22:14.5	44.687N	148.271E	101?	4.5			NEIC

East of Kuril Islands, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:34:07.9	78.5	29.6	1.0	15	5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	18:41:36.0	38.360N	147.970E	33.0N	5.1			SZGRF

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 18:54:03.6	84.0	32.7	1.4	18	5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/08/31	20:30: 4.7	0.880N	27.680W	33.0N	5.3	4.5		SZGRF
2000/08/31	20:30:03.6	0.847N	26.767W	10G	5.0	4.7		NEIC

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:40:01.5	58.6	226.1	1.7	52	5.3		
	e S	N 20:48:11.0							
	e L	Z 21:03:02.0			19.0	376		4.5	

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. Additionally, some selected events are analysed more comprehensive at CLL-station and included in the bulletin (ISOP-analysis)

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

EPICENTER LINES:

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

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

COMMENT LINE:

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

REGION LINE:

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

PHASE LINE:

Sta	Station code of the reported phase
Phase	Preceded flag for the sharpness of the onset of the phase
	e - emergent
	i - impulsive
	w - weak
	ISC phase code
	Flag for the direction of the first motion
	'+' - compression
	'-' - dilatation
	Component where the phase was picked
Time	Arrival time of the reported phase
Dist	Distance from the epicenter location with the highest priority to the station in kilometer
BAz	Backazimuth from the epicenter location with the highest priority to the station in degree
T[s]	Phase Period
A[nm]	Phase Amplitude
mb	Body wave magnitude
MS	Surface wave magnitude
ML	Local Richter magnitude