

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)

MAY 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
2000/05/01	00:25: 9.0	44.820N	17.150E	10.0G				SZGRF
2000/05/01	00:25:07.2	44.818N	17.338E	10G	3.4			NEIC

Northwestern Balkan Peninsula

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z	00:26:19.5	4.7	147.0					
	e Sn	N	00:27:12.6							
WET	e Pn	Z	00:26:26.0	5.3	143.2					
	e Sn	N	00:27:25.6							
GRC1	e Pn	Z	00:26:32.4	5.8	134.3					
	e Sn	N	00:27:34.2							
MOX	e Pn	Z	00:26:49.6	7.0	144.4					
CLL	e Pn	Z	00:26:51.1	7.1	154.3					
BFO	e Pn	Z	00:26:51.6	7.1	116.2					
TNS	e Pn	Z	00:27:04.0	8.1	128.6					
	e Sn	N	00:28:31.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/01	02:28:45.7	44.520N	11.910E	10.0G			3.7	SZGRF
2000/05/01	02:28:43.4	44.529N	12.054E	10G	3.7			NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	02:29:42.9	3.7	171.3					
GEC2	e Pn	Z	02:29:52.5	4.5	195.3					3.6
	e Sn	N	02:30:45.8							
BFO	e Pn	Z	02:29:54.1	4.6	144.6					3.6
	e Sn	N	02:30:45.5							
WET	e Pn	Z	02:29:55.0	4.6	187.3					3.8
	e Sn	N	02:30:49.7							
GRA1	e Pn	Z	02:30:02.6	5.2	173.4					3.7

	e Sn	N	02:31:01.1								
MOX	e Pn	Z	02:30:14.7	6.1	177.1						3.8
	e Sn	N	02:31:23.2								
TNS	e Pn	Z	02:30:17.0	6.2	155.4						3.8
	e Sn	N	02:31:23.1								
BRG	e Sn	N	02:31:31.8	6.5	192.0						3.8
WLF	e Pn	Z	02:30:21.6	6.5	139.8						
CLL	e Pn	Z	02:30:24.5	6.8	185.7						
CLZ	e Pn	Z	02:30:33.5	7.4	170.6						

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/01 07:25:11.1 17.959S 179.798W 640? 4.6 NEIC
 Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 07:43:45.5	147.1	19.5					

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/01 10:30:27.0 11.670N 91.520E 33.0G 4.7 SZGRF
 2000/05/01 10:30:27.9 13.210N 92.426E 33N 4.8 4.3 NEIC
 Andaman Islands, India, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	Z 10:42:04.6	74.3	88.0	0.9	7	4.7		
	e	10:42:15.3							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/01

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 16:33:03.9							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/01 18:41:20.3 36.460N 74.200E 130.5G 5.7 SZGRF
 2000/05/01 18:41:42.2 38.102N 73.067E 148D 5.3 NEIC
 Northwestern Kashmir

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	Z 18:49:28.3	42.8	83.6	1.1	130	5.8		
GEC2	i P	Z 18:49:31.7	43.2	81.3	1.4	52	5.3		
CLL	i P	Z 18:49:32.1	43.4	83.4	1.2	106	5.7		

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WET	i P	Z	18:49:35.7	43.7	81.0	1.1	50	5.5
MOX	i P	Z	18:49:40.1	44.3	81.7	1.0	62	5.6
BSEG	i P	Z	18:49:43.3	44.7	84.1	1.1	151	6.0
GRA1	i P	Z	18:49:44.0	44.7	80.5	1.1	144	6.0
	e sP	Z	18:50:17.9					
CLZ	i P	Z	18:49:44.9	44.9	82.1	1.2	84	5.8
FUR	i P	Z	18:49:45.6	44.9	79.0	1.0	172	6.1
TNS	i P	Z	18:49:56.6	46.4	79.2	1.0	34	5.4
BFO	i P	Z	18:49:59.6	46.8	77.4	1.1	45	5.4

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/01	20:45:12.7	40.257N	143.327E	33N	4.9	5.0		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:57:26.8	80.7	35.0	0.8	17			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/01	21:05:43.1	41.010N	144.130E	33.0N	5.4			SZGRF
2000/05/01	21:05:38.3	40.220N	143.381E	33N	5.0	4.6		NEIC

Hokkaido, Japan, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 21:17:51.5	80.7	35.0	0.9	41	5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	01:06:39.4	12.507N	142.423E	33N	4.8	4.5		NEIC

South of Mariana Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 01:25:02.9	104.5	49.4					
	e L	Z 02:10:47.4			21.0	453		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	05:25:04.5	40.227N	143.274E	33N	5.0	4.4		NEIC

Off east coast of Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 05:37:18.4	80.7	35.1			5.2		
	e (pP)	Z 05:37:24.8							
	e (sP)	Z 05:37:27.0							

e			05:38:02.6								
e L	Z		06:16:42.8	18.2		176		4.5			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	08:48:51.7	44.460N	11.850E	10.0G		2.8	4.4	SZGRF
2000/05/02	08:48:48.6	44.340N	11.940E	10G	4.4			NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	08:49:49.8	3.9	172.9					4.6
	e Sn	E	08:50:33.7							
	e L	Z	08:51:50.8			14.8	450		2.7	
GEC2	e Pn	Z	08:50:00.0	4.7	195.7					4.1
	e Sn	E	08:50:52.7							
	e L	Z	08:52:21.2			15.6	438		2.8	
BFO	e Pn	Z	08:50:01.0	4.7	146.7					4.3
	e Sn	E	08:50:50.3							
	e L	Z	08:52:19.2			15.5	497		2.9	
STU	e Sn	N	08:50:57.3	4.8	155.9					4.6
	e L	Z	08:52:22.8			16.0	429		2.8	
WET	e Pn	Z	08:50:02.7	4.8	188.0					4.2
	e Sn	E	08:50:55.9							
	e L	Z	08:52:26.5			16.2	480		2.9	
GRFO	e Sn	N	08:51:40.4	5.4	174.5					4.5
	e L	Z	08:52:41.1			19.0	162		2.4	
MOX	e Pn	Z	08:50:22.0	6.3	177.9					4.5
	e Sn	E	08:51:29.7							
	e L	Z	08:53:26.9			14.7	312		2.9	
TNS	e Pn	Z	08:50:22.1	6.3	156.8					4.5
	e Sn	N	08:51:30.7							
	e L	Z	08:53:10.8			21.6	187		2.6	
BRG	e Pn	Z	08:50:27.1	6.7	192.4					4.4
	e Sn	N	08:51:39.0							
	e L	Z	08:53:41.2			14.8	679		3.3	
CLL	e Pn	Z	08:50:32.9	7.0	186.2					4.6
	e L	Z	08:53:50.3			15.0	435		3.2	
CLZ	e Pn	Z	08:50:39.4	7.6	171.5					4.6
	e L	Z	08:54:07.1			17.7	164		2.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	09:58:34.0	15.520S	177.567W	400D	5.3			NEIC

Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKPdf	+ Z	10:17:27.0	145.1	14.9					

e pPKPdf Z 10:19:08.8

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKPdf	+ Z 15:08:55.2							
	e (pPKPdf)	Z 15:09:10.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	15:03:36.7	17.434N	147.467E	56D	5.8			NEIC
Mariana Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 15:17:31.3	102.6	42.5					
	e	15:17:36.5							
	e	15:17:45.1							
	e	15:21:05.9							
	e PP	Z 15:21:44.5							
	e (PS)	Z 15:30:52.9							
	e SS	Z 15:36:44.0							
	e L	Z 16:07:51.7			18.9	3452		5.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/02	23:59:17.7	59.724N	139.501W	10G	5.3	4.8		NEIC
Southeastern Alaska, United States								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 00:10:21.4	68.0	344.6			5.6		
	e L	Z 00:41:39.6			21.1	531		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/03	02:24:40.6	50.150N	162.020E	48.3	4.9			SZGRF
2000/05/03	02:24:35.5	48.694N	155.436E	43?	4.5			NEIC
East of Kuril Islands, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 02:36:28.8	76.9	23.3			4.9		
	e pP	Z 02:36:42.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/03	02:51:28.1	23.984S	179.748E	530?	4.9			NEIC

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	03:10:18.0	152.8	23.4					
	i PKPbc	+ Z	03:10:25.8							
	e PKPab	Z	03:10:40.1							
	e pPKPbc	Z	03:12:33.6							
	e pPKPab	Z	03:12:41.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/03	03:11:19.4			N		3.2		SZGRF
2000/05/03	03:11:51.2	35.966N	30.281E	10G	4.2			NEIC

Eastern Mediterranean Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:16:20.4	19.5	127.6					
	e S	Z	03:20:12.4							
	e L	Z	03:26:03.6			21.6	106		3.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/03								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z	05:58:29.2							
	i PKPbc	- Z	05:58:32.8							
	e PKPab	Z	05:58:41.6							
	e (pPKPbc)	Z	06:00:03.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/03	09:01:16.6	29.735N	50.885E	33N	5.1	4.6		NEIC

Southern Iran

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	09:08:16.8	35.8	108.8					
	e S	N	09:13:48.0							
	e L	Z	09:24:52.8			20.8	445		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/05/03 10:18:54.9
Southern Xinjiang, China

39.220N 76.959E 33N 4.4

NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 10:27:23.5	46.5	76.8			4.9		
	e (pP)	Z 10:27:29.8							

Date Origin Time
2000/05/03 22:20:23.1
Northern Algeria

Lat Long Depth mb Ms ML Source
N

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:24:42.3							

Date Origin Time
2000/05/04 03:01:23.3
2000/05/04 03:01:33.0
South of Aleutian Islands

Lat Long Depth mb Ms ML Source
48.910N 166.360W 33.0N 4.7 SZGRF
51.241N 173.908W 33N 4.4 NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 03:13:37.1	79.0	3.3			4.7		

Date Origin Time
2000/05/04 04:21:16.7
Minahassa Peninsula, Sulawesi, Indonesia

Lat Long Depth mb Ms ML Source
1.146S 123.597E 33N 6.7 7.5 NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e Pdiff	Z 04:35:11.9	102.5	73.9					
	e L	Z 05:32:56.9			21.9	162562		7.5	
RUE	e Pdiff	Z 04:35:12.9	102.8	74.7					
	e L	Z 05:35:10.7			21.7	111471		7.3	
BRG	e Pdiff	Z 04:35:14.2	103.2	75.2					
	e L	Z 05:32:32.4			20.2	141062		7.5	
CLL	e Pdiff	Z 04:35:16.0	103.6	74.4					
	e L	Z 05:29:52.2			20.2	112315		7.4	
GEC2	e Pdiff	Z 04:35:17.2	103.8	75.5					
	e L	Z 05:33:51.9			20.9	103412		7.3	
WET	e Pdiff	Z 04:35:19.3	104.3	74.8					
	e L	Z 05:36:15.5			22.0	91974		7.3	
BSEG	e Pdiff	Z 04:35:20.5	104.4	71.5					
	e L	Z 05:33:23.0			20.6	196103		7.6	
MOX	e Pdiff	Z 04:35:20.9	104.6	73.4					
	e L	Z 05:34:56.3			21.0	125561		7.4	

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CLZ	e Pdiff	Z	04:35:22.9	105.0	72.0				
	e L	Z	05:30:28.8			21.7	130180	7.4	
GRFO	e Pdiff	Z	04:35:23.3	105.2	73.3				
	e		04:36:36.7						
	e		04:36:58.1						
	e		04:37:20.5						
	e PP	Z	04:39:46.9						
	e		04:46:01.5						
	e L	Z	05:27:25.2			22.0	111451	7.4	
FUR	e Pdiff	Z	04:35:25.7	105.6	73.8				
	e L	Z	05:30:58.7			21.8	156832	7.5	
IBBN	e Pdiff	Z	04:35:29.4	106.4	69.7				
	e L	Z	05:36:18.4			20.4	148408	7.5	
TNS	e Pdiff	Z	04:35:30.5	106.7	70.9				
	e L	Z	05:35:19.1			20.3	111995	7.4	
STU	e Pdiff	Z	04:35:29.9	106.7	71.9				
	e L	Z	05:34:49.6			21.2	98896	7.3	
BUG	e Pdiff	Z	04:35:31.8	107.0	69.5				
	e L	Z	05:31:56.8			21.2	180000	7.6	
BFO	e Pdiff	Z	04:35:33.8	107.4	71.3				
	e L	Z	05:35:09.3			21.5	102840	7.3	
WLF	e Pdiff	Z	04:35:38.0	108.3	69.1				
	e L	Z	05:37:07.5			20.9	65773	7.2	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/04 14:24:25.3 51.475N 178.490W 33N 5.6 5.1 NEIC
 Andreanof Islands, Aleutian Islands, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z	14:36:27.1	78.5	6.2			5.6		
	e S	E	14:46:23.0							
	e SS	E	14:51:30.5							
	e L	Z	15:15:29.0			21.6	1094		5.2	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/04 20:36:32.6 17.803S 178.568W 515D 5.6 NEIC
 Fiji Islands region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e PKPdf	Z	20:55:06.4	143.2	14.2					
	e PKPbc	Z	20:55:07.1							
	e PKPab	Z	20:55:10.7							
RUE	e PKPdf	Z	20:55:09.2	144.0	20.3					
	e PKPbc	Z	20:55:09.9							
	e PKPab	Z	20:55:13.6							

IBBN	e	PKPdf	Z	20:55:12.9	145.1	10.6
	e	PKPbc	Z	20:55:13.8		
	e	PKPab	Z	20:55:17.2		
CLZ	e	PKPdf	Z	20:55:13.5	145.2	15.0
	e	PKPbc	Z	20:55:14.2		
	e	PKPab	Z	20:55:17.7		
CLL	e	PKPdf	Z	20:55:13.3	145.3	19.6
	e	PKPbc	Z	20:55:14.0		
	e	PKPab	Z	20:55:17.6		
BRG	e	PKPdf	Z	20:55:14.0	145.5	21.3
	e	PKPbc	Z	20:55:14.9		
	e	PKPab	Z	20:55:18.5		
MOX	e	PKPdf	Z	20:55:15.9	146.2	17.6
	e	PKPbc	Z	20:55:16.9		
TNS	e	PKPdf	Z	20:55:18.6	147.1	12.4
	e	PKPbc	Z	20:55:19.5		
	e	PKPab	Z	20:55:22.9		
GRFO	e	PKPdf	Z	20:55:18.9	147.2	17.4
	e	PKPbc	Z	20:55:20.0		
	e	PKPab	Z	20:55:23.4		
	e	pPKPbc	Z	20:57:19.3		
	e			20:58:11.4		
WET	e	PKPdf	Z	20:55:19.1	147.3	20.5
	e	PKPab	Z	20:55:23.5		
GEC2	e	PKPdf	Z	20:55:19.5	147.4	22.1
	e	PKPbc	Z	20:55:20.4		
	e	PKPab	Z	20:55:23.8		
WLF	e	PKPdf	Z	20:55:21.2	147.9	8.5
	e	PKPbc	Z	20:55:22.1		
	e	PKPab	Z	20:55:25.6		
STU	e	PKPdf	Z	20:55:21.9	148.4	14.2
	e	PKPbc	Z	20:55:22.9		
	e	PKPab	Z	20:55:26.3		
FUR	e	PKPdf	Z	20:55:22.5	148.6	18.2
	e	PKPbc	Z	20:55:23.3		
	e	PKPab	Z	20:55:26.8		
BFO	e	PKPdf	Z	20:55:23.2	149.0	12.8
	e	PKPbc	Z	20:55:24.1		
	e	PKPab	Z	20:55:27.5		

Date
2000/05/04

Origin Time

Lat

Long

Depth

mb

Ms

ML

Source

Sta
GRA1

Phase
e (PP)

Time
Z 23:42:46.7

Dist

BAz

T[s]

A[nm]

mb

MS

ML

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/05	00:31:00.2	17.567N	147.435E	33N	5.0	4.5		NEIC

Mariana Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 00:49:10.6	102.4	42.5					
	e pPP	Z 00:49:22.8							
	e sPP	Z 00:49:33.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/05	00:56:33.8	37.427N	31.840W	10G	4.7			NEIC

Azores Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:03:11.5	33.0	264.8			4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/05	05:24:25.8	1.188S	123.432E	33N	5.2	5.2		NEIC

Sulawesi, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 05:43:04.7	105.1	73.5					
	e L	Z 06:32:14.3			20.6	418		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/05	20:42: 4.5	44.200N	13.090E	10.0G			4.3	SZGRF
2000/05/05	20:42:00.6	44.027N	13.270E	10				NEIC

Adriatic Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	i (Pn)	- Z 20:43:08.5	4.4	160.8					4.6
	e (Lg)	N 20:44:02.5							
GEC2	i Pn	- Z 20:43:14.7	4.8	183.7					3.9
	e Sn	N 20:44:07.9							
	e (Lg)	E 20:44:10.5							
WET	i Pn	- Z 20:43:18.2	5.1	176.8					4.0
	e Sn	E 20:44:13.8							
	e (Lg)	E 20:44:27.4							
BFO	e Pn	Z 20:43:23.5	5.5	139.7					4.1
	e Sn	N 20:44:21.5							
	e (Lg)	N 20:44:58.5							
GRFO	e Pn	Z 20:43:27.1	5.8	165.3					4.4

	e Sn	N	20:44:30.0						
	e (Lg)	N	20:45:09.5						
MOX	i Pn	- Z	20:43:39.0	6.7	169.8				4.3
	e Sn	E	20:44:52.3						
	e (Lg)	N	20:45:26.7						
BRG	i Pn	- Z	20:43:41.3	6.9	184.1				4.1
	e (Lg)	N	20:45:38.0						
TNS	e Pn	Z	20:43:44.1	7.0	150.3				4.3
	e (Lg)	N	20:45:48.3						
CLL	i Pn	- Z	20:43:47.1	7.3	178.5				4.4
	e (Lg)	E	20:45:58.2						
	e (Lg)	Z	20:46:09.9						
CLZ	e (Pn)	Z	20:43:58.7	8.1	165.0				4.6

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/06 06:29:32.5 22.931S 169.985E 33N 4.8 4.1 ML NEIC
 Southeast of Loyalty Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z	06:49:17.2	148.5	39.6					
	i PKPbc	- Z	06:49:18.8							
	e (PKPab)	Z	06:49:23.3							
	e pPKPbc	Z	06:49:27.6							
	e (pPKPab)	Z	06:49:31.1							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/06 07:50:01.2 25.035S 178.307E 556D 4.8 ML NEIC
 South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z	08:09:13.5	153.4	26.9					
	e pPKP	Z	08:11:16.2							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/06

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	10:28:15.5							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/06

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:54:23.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/06	13:44:16.8	11.274S	165.349E	33N	5.9	6.3		NEIC

Santa Cruz Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 14:03:28.5	136.0	38.1					
	e (PKiKP)	Z 14:03:38.4							
	e	14:05:40.9							
	e PP	Z 14:06:16.8							
	e	Z 14:07:15.3							
	e	14:09:10.7							
	e L	Z 15:04:57.3			21.8	6290		6.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/06	18:52:51.8	46.240N	12.330E	10.0G			3.0	SZGRF
2000/05/06	18:52:51.2	46.333N	12.347E	10G				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 18:53:34.9	2.7	200.5					2.5
	e Sn	E 18:54:09.6							
GRC1	e Pg	Z 18:53:42.7	2.7	167.9					3.1
	e Sn	E 18:54:10.4							
	e Sg	E 18:54:21.3							
BFO	e Pn	Z 18:53:45.1	3.4	124.8					2.9
	e Sn	E 18:54:25.4							
	e Sg	N 18:54:40.0							
GRA1	e Pg	Z 18:53:57.0	3.4	167.0					3.2
	e Sn	N 18:54:26.4							
TNS	e Pn	Z 18:54:03.5	4.7	144.8					3.2
	e Sn	N 18:54:57.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/06								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 20:45:47.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/06	22:07: 5.1	44.310N	11.700E	10.0G		2.4	4.5	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	22:08:15.4	4.6	148.7					4.4
	e Sn	E	22:09:05.7							
GEC2	e Pn	Z	22:08:13.9	4.7	197.6					4.2
	e Pg	Z	22:08:31.7							
WET	e Sn	E	22:09:06.4							
	e Sg	Z	22:09:39.3							
GRA1	e Pn	Z	22:08:16.2	4.9	189.9					4.3
	e Pg	Z	22:08:37.2							
	e Sn	N	22:09:10.1							
TNS	e Sg	E	22:09:38.9							
	e Pn	Z	22:08:23.8	5.4	176.4					4.7
	e Pg	Z	22:08:46.5							
BRG	e L	Z	22:10:23.9			20.0	169		2.4	
	e Pn	Z	22:08:38.2	6.3	158.3					4.6
CLZ	e Sn	E	22:09:45.4							
	e Pn	Z	22:08:40.8	6.7	193.8					4.5
BUG	e Pg	Z	22:09:10.6							
	e Sn	N	22:09:53.3							
BUG	e Sg	E	22:10:41.0							
	e Pn	Z	22:08:53.8	7.6	172.8					4.7
BUG	e Sn	N	22:10:15.8							
	e Pn	Z	22:08:58.9	7.7	155.7					4.5
	e Sn	N	22:10:23.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/06	22:32: 9.2			G			3.4	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	22:33:21.7							3.4
	e Pg	Z	22:33:39.5							
GEC2	e Sn	N	22:34:16.6							
	e Pn	Z	22:33:22.1							3.3
GRA1	e Pg	Z	22:33:41.5							
	e Sn	N	22:34:16.1							
WET	e Pn	Z	22:33:54.2							3.7
	e Sn	N	22:34:31.1							
WET	e Sg	N	22:35:13.6							
	e Pn	Z	22:33:25.4							3.4
	e Pg	Z	22:33:45.4							
	e Sn	E	22:34:18.9							

Date Origin Time
2000/05/06 22:29:20.7
Northern Italy

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source	
2000/05/06	22:29:20.7			N				SZGRF	
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 22:38:53.1							

Date Origin Time
2000/05/06 23:45:14.9
Tonga Islands region

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source	
2000/05/06	23:45:14.9	23.289S	175.479W	33N	4.5			NEIC	
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 00:05:23.0	153.1	13.7					
	e pPKP	Z 00:05:35.9							

Date Origin Time
2000/05/07 00:44: 9.3
2000/05/07 00:44:06.2
Northern Italy

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source	
2000/05/07	00:44: 9.3	44.440N	12.160E	10.0G		3.0	4.5	SZGRF	
2000/05/07	00:44:06.2	44.337N	11.962E	10G	4.1			NEIC	
Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 00:45:08.3	3.9	172.7					4.6
	e Sn	E 00:45:51.9							
	e Sg	E 00:46:27.1							
	e L	Z 00:47:45.0			16.1	496		2.7	
GEC2	e Pn	Z 00:45:17.7	4.7	195.5					4.1
	e Sn	N 00:46:09.5							
	e Sg	N 00:46:33.2							
	e L	Z 00:48:22.9			15.8	622		3.0	
BFO	e Pn	Z 00:45:19.0	4.7	146.5					4.3
	e Sg	N 00:46:48.4							
	e L	Z 00:48:17.5			15.7	680		3.1	
WET	e Pn	Z 00:45:20.4	4.8	187.8					4.2
	e Sn	E 00:46:13.7							
	e Sg	N 00:46:55.9							
	e L	Z 00:48:26.5			16.2	712		3.1	
GRA1	e Pn	Z 00:45:27.1	5.4	174.3					4.6
	e Sg	N 00:47:14.9							
	e L	Z 00:48:40.9			18.0	243		2.6	
MOX	e Pn	Z 00:45:39.5	6.3	177.7					4.5
	e Sn	N 00:46:48.0							
	e Sg	N 00:47:27.8							

	e L	Z	00:49:11.5			16.0	321	2.9	
TNS	e Pn	Z	00:45:41.4	6.3	156.6				4.5
	e Sg	E	00:47:49.2						
	e L	Z	00:49:13.3			17.4	328	2.9	
BRG	e Pn	Z	00:45:45.3	6.7	192.3				4.5
	e Sg	E	00:47:59.4						
	e L	Z	00:49:43.9			14.8	927	3.5	
CLL	e Pn	Z	00:45:49.4	7.0	186.1				4.7
	e Sg	E	00:48:10.5						
	e L	Z	00:49:51.2			15.8	605	3.3	
CLZ	e Pn	Z	00:45:57.8	7.6	171.3				4.6
	e Sg	N	00:48:43.9						
	e L	Z	00:49:49.3			20.5	169	2.7	
BUG	e Pn	Z	00:46:02.8	7.8	154.3				4.4
	e Sg	E	00:48:57.8						
	e L	Z	00:50:16.4			14.6	437	3.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	01:27:16.3	44.410N	11.900E	10.0G			3.8	SZGRF
2000/05/07	01:27:12.8	44.227N	12.086E	10G	4.1			NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 01:28:25.4	4.7	194.1					3.6
	e Sn	N 01:29:18.4							
	e Sg	E 01:29:44.9							
GRC1	e Pn	Z 01:28:25.1	4.8	175.1					3.8
	e Sn	E 01:29:17.5							
	e Sg	N 01:29:41.6							
BFO	e Pn	Z 01:28:26.8	4.9	146.3					3.5
	e Sn	E 01:29:18.0							
	e Sg	E 01:29:50.0							
WET	e Pn	Z 01:28:27.5	4.9	186.6					
	e Sn	N 01:29:22.6							
	e Sg	E 01:29:54.1							
GRA1	e Pn	Z 01:28:34.7	5.5	173.5					3.9
	e Sn	N 01:29:34.2							
	e Sg	E 01:30:00.6							
TNS	e Pn	Z 01:28:49.2	6.5	156.2					3.8
	e Sn	N 01:29:57.4							
	e Sg	N 01:30:44.6							
CLL	e Pn	Z 01:28:57.0	7.1	185.3					4.0
	e Sn	E 01:30:13.1							
	e Sg	N 01:31:04.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	01:32:17.5	44.500N	11.890E	10.0G			3.2	SZGRF
2000/05/07	01:32:13.6	44.252N	11.904E	10G				NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRC1	e Pn	Z	01:33:25.9	4.8	176.7					3.3
	e Sn	N	01:34:15.7							
GEC2	e Pn	Z	01:33:25.3	4.8	195.7					3.1
	e Sn	E	01:34:17.0							
BFO	e Pn	Z	01:33:26.1	4.8	147.5					3.1
	e Sn	E	01:34:18.0							
WET	e Pn	Z	01:33:28.1	4.9	188.1					3.4
	e Sn	E	01:34:22.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	02:10:45.1	44.460N	11.770E	10.0G			3.9	SZGRF
2000/05/07	02:10:42.3	44.374N	11.891E	10G				NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	02:11:43.4	3.8	173.4					4.0
	e Sn	E	02:12:26.5							
GRC1	e Pn	Z	02:11:53.4	4.6	176.7					3.9
	e Sn	E	02:12:43.7							
GEC2	e Pn	Z	02:11:53.3	4.6	196.2					3.7
	e Sn	N	02:12:46.9							
BFO	e Pn	Z	02:11:54.5	4.7	146.8					3.7
	e Sn	E	02:12:44.1							
WET	e Pn	Z	02:11:55.9	4.8	188.4					3.8
	e Sn	N	02:12:50.6							
GRA1	e Pn	Z	02:12:03.3	5.3	174.9					4.0
	e Sn	E	02:13:01.7							
MOX	e Pn	Z	02:12:15.4	6.3	178.2					4.0
	e Sn	E	02:13:24.0							
TNS	e Pn	Z	02:12:17.2	6.3	156.9					4.0
	e Sn	N	02:13:24.0							
BRG	e Pn	Z	02:12:20.1	6.6	192.8					3.9
	e Sn	N	02:13:32.8							
CLL	e Pn	Z	02:12:25.3	7.0	186.6					4.1
	e Sn	E	02:13:42.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	03:05:29.6	44.430N	11.930E	10.0G			4.0	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z	03:06:28.1	3.8	172.9					4.2
	e Sg	N	03:07:33.7							
GRC1	e Pn	Z	03:06:38.7	4.6	176.3					4.0
	e Sg	E	03:07:53.6							
GEC2	e Pn	Z	03:06:37.8	4.6	196.1					3.8
	e Sn	N	03:07:30.4							
BFO	e Pn	Z	03:06:39.0	4.6	146.2					3.8
	e Sn	E	03:07:30.0							
WET	e Pn	Z	03:06:40.4	4.8	188.2					3.8
	e Sn	N	03:07:35.1							
GRA1	e Pn	Z	03:06:48.0	5.3	174.5					4.2
	e Sg	E	03:08:12.6							
MOX	e Pn	Z	03:07:00.3	6.2	177.9					4.0
	e Sn	E	03:08:08.4							
TNS	e Pn	Z	03:07:01.9	6.3	156.5					4.0
	e Sn	N	03:08:12.2							
CLL	e Sg	E	03:08:36.7							
	e Pn	Z	03:07:10.8	6.9	186.4					4.3
	e Sg	E	03:08:48.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	04:18:22.6			N	4.2			SZGRF
2000/05/07	04:18:09.4	73.216N	7.148E	10G	4.3	3.3		NEIC

Norwegian Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:23:27.0	23.6	357.1			4.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	04:20:35.5			N	4.2			SZGRF

Greenland Sea

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	04:25:42.5					4.2		
BEAM			04:25:42.5			2.2	17			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	05:01:45.5	44.510N	11.860E	10.0G			4.0	SZGRF

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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FUR	e Pn	Z	05:02:42.6	3.7	173.5	4.2
	e Sn	E	05:03:27.4			
GRC1	e Pn	Z	05:02:53.5	4.5	176.9	3.9
	e Sn	E	05:03:43.1			
GEC2	e Pn	Z	05:02:52.7	4.5	196.9	3.7
	e Sn	E	05:03:46.4			
BFO	e Pn	Z	05:02:54.2	4.5	146.2	3.7
	e Sn	N	05:03:45.0			
WET	e Pn	Z	05:02:55.1	4.7	188.9	3.8
	e Sn	N	05:03:48.7			
GRA1	e Pn	Z	05:03:02.5	5.2	175.0	4.2
	e Sn	E	05:03:52.9			
MOX	e Pn	Z	05:03:14.8	6.1	178.4	4.0
	e Sn	N	05:04:22.1			
TNS	e Pn	Z	05:03:16.9	6.2	156.7	4.0
	e Sn	E	05:04:22.5			
CLL	e Pn	Z	05:03:24.8	6.8	186.9	4.2
	e Sn	E	05:04:39.2			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	05:10:54.9	44.410N	11.930E	10.0G			3.3	SZGRF
2000/05/07	05:10:52.7	44.298N	11.843E	10G				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 05:12:05.1	4.7	147.7					3.4
	e Sn	Z 05:12:57.3							
GEC2	e Pn	Z 05:12:04.2	4.7	196.4					3.2
	e Sn	Z 05:12:57.1							
WET	e Pn	Z 05:12:06.2	4.9	188.7					3.4
	e Sn	Z 05:12:59.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	08:47:39.3	15.236S	173.715W	33N	5.4	5.5		NEIC

Samoa Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 09:07:15.9	145.3	8.4					
	e pPKPdf	Z 09:07:29.4							
	e (PP)	Z 09:10:49.1							
	e L	Z 10:10:44.1			21.6	873		5.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/05/07 09:08:44.5 38.183N 38.747E 2 4.0 NEIC
Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:13:52.6	22.7	109.9			3.9		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	12:49:44.4	44.430N	11.990E	10.0G			3.9	SZGRF
2000/05/07	12:49:41.6	44.323N	11.944E	10				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 12:50:43.5	3.9	172.9					4.1
	e Sn	E 12:51:27.1							
GEC2	e Pn	Z 12:50:53.0	4.7	195.6					3.7
	e Sn	E 12:51:45.4							
GRC1	e Pn	Z 12:50:53.0	4.7	176.3					4.0
	e Sn	N 12:51:43.9							
BFO	e Pn	Z 12:50:54.3	4.7	146.8					3.8
	e Sn	E 12:51:45.4							
WET	e Pn	Z 12:50:55.2	4.9	187.9					3.8
	e Sn	N 12:51:49.2							
GRA1	e Pn	Z 12:51:02.5	5.4	174.5					4.1
	e Sn	N 12:52:02.2							
MOX	e Pn	Z 12:51:15.6	6.3	177.9					4.0
	e Sn	E 12:52:23.6							
TNS	e Pn	Z 12:51:16.8	6.4	156.8					4.0
	e Sn	E 12:52:27.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	15:22:43.6	37.720N	71.790E	39.6	3.9			SZGRF
2000/05/07	15:22:49.0	38.997N	70.928E	33N	4.4			NEIC

Afghanistan-Tajikistan border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:30:48.1	42.8	80.8			3.9		
	e (pP)	Z 15:30:58.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/07	16:18:07.7	22.492N	120.456E	33N	4.5			NEIC

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
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GRA1 e P Z 16:30:42.8 84.6 61.2 4.6

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/07 17:21:13.0 2.550S 122.600E 33N 5.2 4.9 ML NEIC
Sulawesi, Indonesia

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e Pdiff Z 17:35:21.8 105.6 75.0
e L Z 18:33:34.4 19.5 477 5.0

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/07 23:10:54.4 38.136N 38.851E 10G 4.5 3.9 ML NEIC
Turkey

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 23:16:00.6 22.8 109.9 4.1
e L Z 23:25:57.5 21.9 219 3.6

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 04:33:48.6 46.053N 142.389E 296 4.7 Ms ML NEIC
Hokkaido, Japan, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P + Z 04:45:02.7 75.3 32.7 5.2

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 05:52:09.6 15.379S 173.325W 62D 4.6 Ms ML NEIC
Tonga Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPdf Z 06:11:43.8 145.5 7.8
e pPKPdf Z 06:12:05.9

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 06:05:08.4 6.000S 147.016E 111D 5.0 Ms ML NEIC
Eastern New Guinea, Papua New Guinea, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPdf Z 06:23:53.5 122.7 55.5

e L Z 07:16:17.0 21.2 137 4.6

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 07:01:25.8 16.803S 179.038W 33N 4.7 NEIC
Fiji Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPdf Z 07:21:01.5 146.1 17.8

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 10:25:26.6 11.070N 124.830E 33N 5.4 5.2 NEIC
Leyte, Philippine Islands

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 10:38:55.3 96.2 64.8 5.6
 e PP Z 10:42:48.6
 e L Z 11:29:44.4 20.6 955 5.3

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 10:28:25.1 4.485S 150.009E 501D 5.7 NEIC
Bismarck Sea

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 i PKPdf - Z 10:46:25.7 123.0 51.6
 e PP Z 10:48:15.7
 e pPKPdf Z 10:48:28.0
 e (PKS) Z 10:50:12.3

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/08 12:29:45.9 43.420N 12.280E 10.0G 3.8 5.0 SZGRF
2000/05/08 12:29:54.6 44.208N 11.996E 10G 4.6 5.2 NEIC
Central Italy

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
FUR e Pn Z 12:31:00.0 4.0 172.5 5.3
 e L Z 12:32:58.0 14.8 2132 3.6
GEC2 e Pn Z 12:31:07.1 4.8 194.8 4.7
 e Sn N 12:32:10.7 14.9 2988 3.8
 e L Z 12:33:41.5
BFO e Pn Z 12:31:08.5 4.8 147.1 4.7
 e Sn N 12:32:10.7

	e L	Z	12:33:39.7			14.5	2891	3.8	
STU	e Pn	Z	12:31:13.5	5.0	156.0				5.1
	e L	Z	12:33:44.3			14.5	2924	3.9	
WET	e Pn	Z	12:31:09.6	5.0	187.3				4.9
	e Sn	N	12:32:15.4						
	e L	Z	12:33:48.0			15.7	3076	3.9	
GRFO	e Pn	Z	12:31:17.5	5.5	174.2				5.2
	e Sn	N	12:32:28.2						
	e L	Z	12:34:01.0			14.8	1432	3.6	
MOX	e Pn	Z	12:31:29.7	6.4	177.6				5.1
	e Sn	N	12:32:48.0						
	e L	Z	12:34:31.6			15.5	1670	3.8	
TNS	e Pn	Z	12:31:31.3	6.5	156.8				5.0
	e Sn	N	12:32:52.0						
	e L	Z	12:34:35.3			15.5	1447	3.7	
WLF	e Pn	Z	12:31:35.2	6.8	141.7				4.7
	e L	Z	12:34:57.6			14.6	1143	3.6	
BRG	e Pn	Z	12:31:34.7	6.8	191.9				5.2
	e Sn	N	12:32:56.5						
	e L	Z	12:35:03.1			15.1	3596	4.1	
CLL	e Pn	Z	12:31:39.3	7.1	185.8				5.2
	e L	Z	12:35:11.5			15.4	2191	3.9	
CLZ	e Pn	Z	12:31:48.0	7.7	171.3				5.2
	e L	Z	12:35:27.2			15.3	952	3.6	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/08 12:29:59.3 0.848S 98.073E 33N 5.6 5.3
 Southwest of Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 12:42:52.1	88.6	93.0			5.8		
	e L	Z 13:29:09.5			20.0	682		5.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/08 20:41:39.8 57.318N 154.406W 43 5.0 4.2
 Kodiak Island, Alaska, United States, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 20:53:02.8	72.3	351.9			5.0		
	e	20:53:10.8							
	e pP	Z 20:53:15.7							
	e sP	Z 20:53:21.1							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/08	21:35:35.3	31.090S	179.900E	300G	5.4			NEIC

Kermadec Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 21:54:56.3	159.5	28.8					
	i PKPab	- Z 21:55:38.6							
	e PP	Z 21:59:19.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/09	00:30:19.3	0.912S	98.034E	33N	5.0	3.9		NEIC

Southern Sumatera, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:43:14.1	88.6	93.0			4.8		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/09	02:58:27.2	44.350N	11.980E	10.0G			3.5	SZGRF
2000/05/09	02:58:24.7	44.223N	11.936E	10G	3.5			NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 02:59:37.0	4.8	195.4					3.3
	e Sn	N 03:00:29.5							
BFO	e Pn	Z 02:59:38.1	4.8	147.4					3.3
	e Sn	E 03:00:30.9							
WET	e Pn	Z 02:59:39.7	5.0	187.8					3.5
	e Sn	N 03:00:33.7							
GRA1	e Sg	E 03:01:18.2	5.5	174.6					3.7
MOX	e Pn	Z 02:59:59.8	6.4	177.9					3.5
	e Sn	N 03:01:08.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/09	11:38:55.2	55.998N	152.855W	56	4.3			NEIC

South of Alaska

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 11:50:37.4	73.5	350.8			4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/09	17:51:22.4	44.420N	12.010E	10.0G		3.2	4.5	SZGRF

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2000/05/09 17:51:19.4
Northern Italy

44.316N 12.001E 10G

NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 17:52:31.4	4.7	195.1	16.4	980		3.2	4.2
	e Sn	E 17:53:24.0							
	e L	Z 17:54:55.0							
BFO	e Pn	Z 17:52:32.5	4.7	146.4	15.5	952		3.2	4.1
	e Sn	N 17:53:24.9							
	e L	Z 17:54:53.2							
WET	e Pn	Z 17:52:33.9	4.9	187.4	16.7	1141		3.3	4.3
	e Sn	N 17:53:26.8							
	e L	Z 17:55:01.5							
GRA1	e Pn	Z 17:52:40.9	5.4	174.1	17.7	411		2.9	4.7
	e L	Z 17:55:15.3							
	MOX	e Pn							
e Sn		E 17:54:02.9							
e L		Z 17:55:44.9							
TNS	e Pn	Z 17:52:55.2	6.4	156.5	16.7	536		3.1	4.4
	e L	Z 17:55:46.7							
	BRG	e Pn							
e Sn		N 17:54:10.8							
e L		Z 17:56:15.3							
CLL	e Pn	Z 17:53:02.2	7.0	185.9	15.9	909		3.5	4.8
	e L	Z 17:56:25.5							
	CLZ	e Pn							
e L		Z 17:56:42.1							

Date Origin Time
2000/05/10 00:16:28.6
South of Fiji Islands

Lat Long Depth mb Ms ML Source
25.379S 177.495W 135D 4.7 NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z 00:36:37.0	154.8	18.7					
	e pPKPab	Z 00:37:08.7							

Date Origin Time
2000/05/10 03:46: 5.2
2000/05/10 03:46:08.5
Northern Italy

Lat Long Depth mb Ms ML Source
44.840N 12.070E 10G 3.6 SZGRF
NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 03:47:12.4	4.2	196.2					3.3
	e Sn	E 03:48:05.4							
	GRC1	e Sn							

BFO	e Pn	Z	03:47:14.1	4.3	142.3							3.3
	e Sn	E	03:48:04.0									
WET	e Pn	Z	03:47:15.4	4.3	187.6							3.4
	e Sn	E	03:48:07.8									

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/10	06:49:09.4	4.215S	152.121E	33N	5.2	4.9		NEIC
New Britain, Papua New Guinea, region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 07:08:08.5	123.8	49.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/10								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z 07:47:46.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/10	10:48:39.6	23.667S	175.891W	33N	5.1	5.1		NEIC
Tonga Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 11:08:30.9	153.4	14.7					
	e PKPbc	Z 11:08:38.4							
	e PKPab	Z 11:08:49.4							
	e L	Z 12:24:34.2			20.5	322		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/10	14:45:43.6	17.514N	147.493E	33N	4.9	4.6		NEIC
Mariana Islands region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 15:03:53.0	102.5	42.5					
	e (pPP)	Z 15:04:06.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/10	16:52:14.3	44.480N	11.840E	10.0G		3.8	5.3	SZGRF
2000/05/10	16:52:10.3	44.324N	12.061E	10G	5.1	4.7		NEIC

Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	i Pn	- Z	16:53:21.6	4.7	194.6	14.8	7995		4.1	4.9
	e Sn	E	16:54:16.2							
	e L	Z	16:55:45.1							
BFO	e Pn	Z	16:53:23.2	4.8	145.9	21.5	2990		3.5	5.1
	e Sn	E	16:54:12.1							
	e L	Z	16:55:24.1							
WET	i Pn	- Z	16:53:23.9	4.9	186.9	15.5	8563		4.2	5.0
	e Sn	E	16:54:18.9							
	e L	Z	16:55:50.8							
STU	e Pn	Z	16:53:24.7	4.9	155.0	20.2	3605		3.7	5.4
	e Sn	E	16:54:17.6							
	e L	Z	16:55:28.1							
GRA1	e Pn	Z	16:53:31.4	5.4	173.6	21.7	1714		3.4	5.6
	e L	Z	16:55:32.4							
MOX	e Pn	Z	16:53:44.3	6.3	177.1	16.2	3903		4.0	5.2
	e L	Z	16:56:35.6							
TNS	e Pn	Z	16:53:45.5	6.4	156.1	21.1	2672		3.7	5.3
	e L	Z	16:56:24.4							
BRG	e Pn	Z	16:53:48.9	6.7	191.7	15.0	9940		4.5	5.3
	e L	Z	16:57:04.8							
WLF	e Pn	Z	16:53:50.4	6.7	140.8	19.0	1889		3.6	5.2
	e L	Z	16:56:44.6							
CLL	e Pn	Z	16:53:54.0	7.0	185.5	20.5				5.5
	e L	Z	16:56:58.3							
CLZ	e Pn	Z	16:54:01.7	7.6	170.8	20.5	1843		3.7	5.5
	e L	Z	16:57:00.7							
BUG	e Pn	Z	16:54:07.0	7.8	153.9	21.8	1946		3.7	5.3
	e L	Z	16:57:19.0							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/10 22:03:22.9
 Northern Italy

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z	22:04:27.6							3.2
	e Sn	E	22:05:15.7							
GEC2	e Pn	Z	22:04:29.9							3.3
	e Sn	N	22:05:18.0							
GRA1	e Sg	E	22:06:00.2							3.6
WET	e Pn	Z	22:04:29.3							3.2
	e Sn	N	22:05:22.2							

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	00:50: 7.6	53.910N	163.020W	33.0N	5.1			SZGRF
2000/05/11	00:50:00.6	53.524N	164.210W	33N	4.9	4.4		NEIC

Unimak Island, Alaska, United States, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 01:01:53.5	76.7	357.2			5.1		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	04:41:15.9	44.470N	12.170E	10.0G			3.7	SZGRF
2000/05/11	04:41:07.3	43.931N	12.264E	10G	4.1			NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 04:42:23.2	5.0	191.9					3.5
	e Sn	N 04:43:15.5							
GRC1	e Pn	Z 04:42:26.7	5.1	174.0					3.8
WET	e Pn	Z 04:42:26.2	5.2	184.9					3.7
	e Sn	N 04:43:19.7							
MOX	e Pn	Z 04:42:46.5	6.7	176.0					3.9
	e Sn	E 04:43:54.0							
BRG	e Pn	Z 04:42:50.3	7.0	189.9					3.8
	e Sn	E 04:44:03.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	10:57:51.6	44.580N	11.620E	10.0G		2.8	4.1	SZGRF
2000/05/11	10:57:34.3	43.390N	12.779E	10G	4.3			NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
FUR	e Pn	Z 10:58:48.2	4.9	167.1					4.5
GEC2	e Pn	Z 10:58:58.3	5.5	187.0					3.8
	e Pg	N 10:59:15.3							
	e Sn	E 10:59:51.9							
	e Sg	N 11:00:19.7							
	e L	Z 11:01:19.8			15.7	302		2.7	
GRC1	e Pn	Z 10:59:01.1	5.7	170.7					4.1
	e Pg	Z 10:59:17.1							
	e Sn	E 10:59:49.1							
	e Sg	E 11:00:12.3							
	e L	Z 11:01:16.8			15.2	227		2.5	
WET	e Pn	Z 10:59:00.8	5.8	180.7					4.0
	e Pg	Z 10:59:19.5							
	e Sn	E 10:59:53.8							
	e Sg	E 11:00:23.0							

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	e L	Z	11:01:23.9			15.0	441	2.9	
BFO	e Pn	Z	10:58:59.0	5.8	146.3				4.0
	e Sn	Z	10:59:46.8						
	e L	Z	11:01:17.8			15.0	390	2.8	
MOX	e Pn	Z	10:59:19.8	7.3	173.3				4.2
	e Sn	E	11:00:28.5						
	e L	Z	11:02:08.7			15.5	214	2.7	
BRG	e Pn	Z	10:59:24.6	7.5	186.5				4.2
	e Pg	N	10:59:55.1						
	e Sn	N	11:00:37.8						
	e Sg	E	11:01:24.1						
	e L	Z	11:02:38.2			14.8	459	3.1	

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/11 11:04:31.7 N 4.5 SZGRF
 South Atlantic Ocean

	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GRA1	e P	Z 11:15:39.9					4.5		
	BEAM		11:15:39.9			1.2	5			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/11 11:57:19.9 44.560N 11.880E 10.0G 3.1 4.5 SZGRF
 2000/05/11 11:57:15.1 44.363N 12.032E 10G 4.7 NEIC
 Northern Italy

	Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
	GEC2	e Pn	Z 11:58:26.5	4.6	195.0					4.2
		e Pg	Z 11:58:45.1							
		e Sn	E 11:59:19.4							
		e L	Z 12:00:48.9			16.1	837		3.1	
BFO	e Pn	Z	11:58:27.8	4.7	145.9					4.3
	e Pg	Z	11:58:48.4							
	e Sn	E	11:59:19.4							
	e L	Z	12:00:48.0			15.5	992		3.2	
WET	e Pn	Z	11:58:29.1	4.8	187.2					4.3
	e Pg	Z	11:58:49.3							
	e Sn	E	11:59:23.1							
	e L	Z	12:00:53.3			16.1	1088		3.2	
GRA1	e Pn	Z	11:58:36.8	5.4	173.8					4.7
	e Pg	Z	11:58:59.5							
	e L	Z	12:01:08.4			17.7	433		2.9	
MOX	e Pn	Z	11:58:48.4	6.3	177.3					4.5
	e Pg	Z	11:59:19.4							
	e Sn	E	11:59:56.5							

	e L	Z	12:01:39.5			16.3	570	3.1	
TNS	e Pn	Z	11:58:50.4	6.3	156.1				4.5
	e Pg	Z	11:59:19.0						
	e Sn	N	11:59:56.1						
	e L	Z	12:01:40.4			16.8	553	3.1	
BRG	e Pn	Z	11:58:53.8	6.6	191.9				4.4
	e Pg	N	11:59:22.2						
	e Sn	E	12:00:04.4						
	e L	Z	12:01:53.7			16.1	985	3.4	
CLL	e Pn	Z	11:58:59.0	7.0	185.7				4.6
	e L	Z	12:02:17.6			15.4	925	3.5	
CLZ	e Pn	Z	11:59:08.2	7.6	170.9				4.6
	e L	Z	12:02:15.8			21.5	210	2.7	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	15:52:51.3			N	4.6			SZGRF
2000/05/11	15:52:53.9	25.962N	97.019E	33N	4.3			NEIC

Myanmar-China border region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:03:56.9	67.9	75.4			4.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	17:20:00.0	19.645S	179.892E	502D	4.3			NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 17:38:45.4	148.6	20.8					
	i PKPbc	- Z 17:38:51.5							
	e PKPab	Z 17:38:57.8							
	e pPKPbc	Z 17:40:48.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/11	19:43:50.8	6.857S	155.963E	150G	4.4			NEIC

Bougainville - Solomon Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 20:02:40.7	128.0	46.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/12	03:01:44.5	37.001N	36.139E	10G	4.9			NEIC

Jordan - Syria region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 03:06:20.3	20.1	117.7					
	e S	Z 03:10:12.7							
	e L	Z 03:14:01.0							
WET	e P	Z 03:06:26.2	20.7	117.1		169		3.4	
	e S	Z 03:10:24.3							
	e L	Z 03:14:51.0							
BRG	e P	Z 03:06:30.9	21.0	122.7					3.4
	e S	Z 03:10:31.6							
	e L	Z 03:15:22.4							
FUR	e P	Z 03:06:33.1	21.3	112.4					3.5
	e S	Z 03:10:33.1							
	e L	Z 03:16:08.9							
GRC1	e P	Z 03:06:34.1	21.5	114.7		289		3.7	
	e S	Z 03:10:38.9							
	e L	Z 03:15:04.9							
CLL	e P	Z 03:06:39.7	21.7	122.1					3.2
	e S	Z 03:10:43.3							
	e L	Z 03:15:43.9							
GRA1	e P	Z 03:06:40.3	22.0	115.8		158	3.9		3.4
	e S	Z 03:10:47.7							
	e L	Z 03:15:38.5							
MOX	e P	Z 03:06:43.4	22.2	118.5		111			3.3
	e S	Z 03:10:53.5							
	e L	Z 03:16:26.2							
STU	e P	Z 03:06:47.8	22.8	111.0		274			3.7
	e S	Z 03:11:05.2							
	e L	Z 03:15:48.7							
BFO	e P	Z 03:06:52.2	23.2	108.9		95			3.3
	e S	Z 03:11:11.1							
	e L	Z 03:16:03.0							
CLZ	e P	Z 03:06:55.0	23.4	119.2		214			3.6
	e S	Z 03:11:16.9							
	e L	Z 03:17:35.9							
TNS	e P	Z 03:06:58.5	23.8	113.1		155			3.5
	e S	Z 03:11:18.4							
	e L	Z 03:17:27.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/12	11:26:41.8	44.460N	11.870E	10.0G		3.3	4.5	SZGRF
2000/05/12	11:26:38.0	44.354N	11.955E	10G				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e Pn	Z 11:27:50.1	4.6	195.6					4.2

GRC1	e Sn	N	11:28:42.9								
	e L	Z	11:30:11.9			15.8	1128	3.2			
	e Pn	Z	11:27:49.5	4.7	176.2					4.5	
BFO	e Sn	N	11:28:41.8								
	e L	Z	11:30:08.2			15.6	939	3.2			
	e Pn	Z	11:27:50.9	4.7	146.5					4.4	
WET	e Sn	E	11:28:41.2								
	e L	Z	11:30:08.8			15.4	1449	3.4			
	e Pn	Z	11:27:52.3	4.8	187.9					4.3	
GRA1	e Sn	N	11:28:46.6								
	e L	Z	11:30:16.9			15.9	1408	3.4			
	e Pn	Z	11:27:59.4	5.4	174.4					4.8	
MOX	e Sn	E	11:28:58.8								
	e L	Z	11:30:30.2			17.1	572	3.0			
	e Pn	Z	11:28:12.4	6.3	177.8					4.5	
TNS	e Sn	N	11:29:20.1								
	e L	Z	11:31:09.5			15.0	893	3.4			
	e Pn	Z	11:28:13.3	6.3	156.6					4.5	
BRG	e Sn	N	11:29:22.4								
	e L	Z	11:30:59.5			17.0	726	3.2			
	e Pn	Z	11:28:16.8	6.7	192.4					4.6	
CLL	e Sn	N	11:29:29.2								
	e L	Z	11:31:30.9			14.7	1788	3.7			
	e Pn	Z	11:28:22.3	7.0	186.2					4.7	
CLZ	e L	Z	11:31:40.6			15.3	1180	3.6			
	e Pn	Z	11:28:31.4	7.6	171.4					4.7	
	e L	Z	11:31:28.2			19.9	317	2.9			

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/12 17:21:54.4 51.192N 157.490E 66D 5.1 NEIC
 Near east coast of Kamchatka Peninsula, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	17:33:33.8	75.1	21.1			4.7		
	e (sP)	Z	17:34:07.2							

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/12 18:43:23.8 22.988S 66.743W 244D 6.2 NEIC
 Jujuy Province, Argentina

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	i P	+ Z	18:56:31.1	97.7	243.8					
	e pP	Z	18:57:22.8							
	e (sP)	Z	18:57:48.2							
STU	i P	+ Z	18:56:34.5	98.4	244.5					

	e pP	Z	18:57:25.4						
	e (sP)	Z	18:57:51.2						
BUG	i P	+ Z	18:56:34.7	98.5	243.5				
	e pP	Z	18:57:25.6						
	e (sP)	Z	18:57:51.4						
TNS	i P	+ Z	18:56:35.6	98.6	244.2				
	e pP	Z	18:57:27.1						
	e (sP)	Z	18:57:51.7						
IBBN	i P	+ Z	18:56:37.8	99.1	244.0				
	e pP	Z	18:57:29.3						
	e (sP)	Z	18:57:54.5						
FUR	i P	+ Z	18:56:39.4	99.4	245.9				
	e pP	Z	18:57:30.7						
	e (sP)	Z	18:57:55.1						
GRA1	i P	+ Z	18:56:42.1	100.0	246.1	0.9	39	6.1	
	e pP	Z	18:57:33.2						
	e (sP)	Z	18:57:58.0						
	e		19:00:01.8						
	e PP	Z	19:00:44.3						
	e SKS	Z	19:07:11.9						
	e (SKKS)	N	19:07:59.7						
	e Sdiff	N	19:09:27.3						
	e SS	N	19:14:57.8						
	e		19:17:05.2						
	e (SKKSdf)	N	19:20:24.3						
	e (PKPPKP)	Z	19:21:15.3						
	e L	Z	19:49:46.4			21.5	13653		
CLZ	i P	+ Z	18:56:43.7	100.4	245.8				
	e pP	Z	18:57:34.4						
	e (sP)	Z	18:57:59.8						
MOX	i P	+ Z	18:56:44.7	100.6	246.5				
	e pP	Z	18:57:36.0						
	e (sP)	Z	18:58:00.8						
WET	i P	+ Z	18:56:45.4	100.8	247.2				
	e pP	Z	18:57:36.7						
	e (sP)	Z	18:58:01.5						
GEC2	i P	+ Z	18:56:46.9	101.2	247.7				
	e pP	Z	18:57:37.6						
	e (sP)	Z	18:58:02.8						
BSEG	i P	+ Z	18:56:47.0	101.2	246.2				
	e pP	Z	18:57:38.1						
	e (sP)	Z	18:58:02.7						
CLL	i P	+ Z	18:56:49.5	101.7	247.7				
	e pP	Z	18:57:40.6						
	e (sP)	Z	18:58:04.8						
BRG	i P	+ Z	18:56:51.4	102.1	248.3				
	e pP	Z	18:57:42.2						
	e (sP)	Z	18:58:06.6						
RUE	i P	+ Z	18:56:53.4	102.6	248.5				

e pP Z 18:57:44.5
e (sP) Z 18:58:08.9

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/12	23:10:16.1	35.540N	69.900E	100.6	6.3	5.8		SZGRF
2000/05/12	23:10:29.6	35.960N	70.657E	108D	6.2			NEIC

Hindu Kush, Afghanistan, region

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	+ Z	23:18:18.4	42.6	87.8	1.0	446	6.2		
	e pP	Z	23:18:43.5							
	e sP	Z	23:18:50.6							
	e PP	Z	23:19:59.4							
	e S	Z	23:24:40.6							
	e L	Z	23:39:27.4							
RUE	i P	+ Z	23:18:18.4	42.7	89.4	1.1	641	6.2	5.6	
	e pP	Z	23:18:43.1							
	e sP	Z	23:18:50.9							
	e PP	Z	23:19:59.9							
	e S	Z	23:24:39.2							
	i P	+ Z	23:18:20.6							
e pP	Z	23:18:45.3								
e sP	Z	23:18:53.3								
e PP	Z	23:20:01.5								
e S	Z	23:24:42.0								
i P	+ Z	23:18:21.4	43.0	91.3						
e pP	Z	23:18:46.5								
e sP	Z	23:18:54.1								
e PP	Z	23:20:03.0								
e S	Z	23:24:44.8								
i P	+ Z	23:18:22.6								43.2
e pP	Z	23:18:47.7								
e sP	Z	23:18:55.3								
e PP	Z	23:20:03.0								
e S	Z	23:24:46.9								
i P	+ Z	23:18:24.5	43.4	85.2	2.1	623	6.0			
e pP	Z	23:18:49.5								
e sP	Z	23:18:57.1								
e PP	Z	23:20:08.3								
e S	Z	23:24:49.7								
i P	+ Z	23:18:30.3								44.1
e pP	Z	23:18:55.2								
e sP	Z	23:19:03.2								
e		23:19:23.1								
e PP	Z	23:20:15.4								
e S	Z	23:24:59.4								
i P	+ Z	23:18:34.0	44.4	84.6	1.6	1344	6.4			

	e pP	Z	23:18:58.9						
	e sP	Z	23:19:06.5						
	e		23:19:26.4						
	e PP	Z	23:20:19.8						
	e S	Z	23:25:03.5						
	e L	Z	23:41:04.1			18.0	13445		5.9
FUR	i P	+ Z	23:18:34.1	44.6	83.1	1.5	1215	6.4	
	e pP	Z	23:18:59.0						
	e sP	Z	23:19:06.8						
	e		23:19:26.7						
	e PP	Z	23:20:21.2						
	e S	Z	23:25:07.7						
BSEG	i P	+ Z	23:18:35.4	44.7	88.2	1.1	680	6.5	
	e pP	Z	23:19:00.6						
	e sP	Z	23:19:08.2						
	e		23:19:28.1						
	e PP	Z	23:20:22.9						
	e S	Z	23:25:10.5						
CLZ	i P	+ Z	23:18:35.8	44.8	86.1	1.2	508	6.3	
	e pP	Z	23:19:00.8						
	e sP	Z	23:19:08.8						
	e		23:19:27.7						
	e PP	Z	23:20:24.7						
	e S	Z	23:25:12.6						
STU	i P	+ Z	23:18:44.0	45.9	82.3	1.2	522	6.5	
	e pP	Z	23:19:09.6						
	e sP	Z	23:19:17.4						
	e		23:19:35.4						
	e PP	Z	23:20:34.2						
	e S	Z	23:25:23.0						
TNS	i P	+ Z	23:18:46.7	46.2	83.2	1.2	294	6.2	
	e pP	Z	23:19:12.5						
	e sP	Z	23:19:20.1						
	e		23:19:37.9						
	e PP	Z	23:20:36.6						
	e S	Z	23:25:27.8						
IBBN	i P	+ Z	23:18:48.1	46.4	84.7	1.0	825	6.7	
	e pP	Z	23:19:13.5						
	e sP	Z	23:19:21.3						
	e		23:19:40.1						
	e PP	Z	23:20:38.5						
	e S	Z	23:25:28.5						
BFO	i P	+ Z	23:18:48.6	46.5	81.3	1.3	291	6.2	
	e pP	Z	23:19:13.9						
	e sP	Z	23:19:21.9						
	e		23:19:40.1						
	e PP	Z	23:20:40.3						
	e S	Z	23:25:31.3						
BUG	i P	+ Z	23:18:51.2	46.7	83.5	1.1	494	6.5	

e pP Z 23:19:15.9
 e sP Z 23:19:24.1
 e 23:19:43.0
 e PP Z 23:20:41.4
 e S Z 23:25:36.9

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/13

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e (PKPab) Z 03:53:30.0

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/13 09:31:10.0 4.310S 152.844E 33N 5.0 5.2 ML NEIC
 New Britain, Papua New Guinea, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 i PKPdf - Z 09:50:08.7 124.3 48.5
 e pPKPdf Z 09:50:19.1

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/14 04:11:16.3 27.585N 139.685E 477D 5.0 ML NEIC
 Bonin Islands, Japan, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 i P - Z 04:23:27.3 90.2 43.9 5.3

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/14

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKPdf Z 05:13:43.4

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/14 08:08: 1.2 4.4 SZGRF
 2000/05/14 08:07:45.2 57.241N 153.900W 33N 4.2 NEIC
 Gulf of Alaska

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

GRA1	e P	Z	08:19:10.6	72.4	351.6					4.4
	e (pP)	Z	08:19:17.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	09:00:19.8	18.111N	102.701W	33N	4.8	4.5		NEIC

Near coast of Michoacan, Mexico

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 09:13:22.8	90.7	299.7			5.0		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 10:56:17.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPab	Z 10:59:37.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	10:47:42.7	1.447S	123.398E	33N	5.6	5.2		NEIC

Sulawesi, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e Pdiff	Z 11:01:49.7	105.3	73.7					
	e PP	Z 11:06:13.4							
	e L	Z 11:50:44.0			21.7	452		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	13:10:23.0	6.679S	129.388E	241*	5.4			NEIC

Banda Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKiKP	Z 13:28:33.7	113.1	72.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 15:57:07.8							
	e PP	Z 15:59:54.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	15:58:37.1			N	5.0			SZGRF
Mid-Indian Ridge								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:11:12.7					5.0		
ALIGN		16:11:12.7			1.3	14			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	16:05:38.2							SZGRF
South Indian Ocean								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:18:57.5							
	e (pP)	Z 16:19:04.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	17:17:23.3				4.6			SZGRF
2000/05/14	17:18:23.8	28.101N	91.535E	33N	4.2			NEIC
Myanmar-China border region								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 17:28:51.3	62.9	77.6			4.6		
	e pP	Z 17:28:57.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/14	20:08:34.1	4.316S	123.211E	33N	5.9	5.9		NEIC
Banda Sea								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RUE	e Pdiff	Z 20:22:40.5	105.2	77.0					
	e PP	Z 20:27:06.9							
BRG	e Pdiff	Z 20:22:42.8	105.4	77.6					

	e PP	Z	20:27:11.7									
CLL	e Pdiff	Z	20:22:44.9	105.9	76.7							
	e PP	Z	20:27:14.4									
GEC2	e Pdiff	Z	20:22:46.2	106.0	77.9							
	e PP	Z	20:27:13.8									
WET	e Pdiff	Z	20:22:48.3	106.5	77.2							
	e PP	Z	20:27:16.3									
BSEG	e Pdiff	Z	20:22:49.2	106.8	73.7							
	e PP	Z	20:27:20.2									
MOX	e Pdiff	Z	20:22:50.3	106.9	75.7							
	e PP	Z	20:27:23.0									
CLZ	e Pdiff	Z	20:22:52.2	107.4	74.3							
	e PP	Z	20:27:25.4									
GRA1	e Pdiff	Z	20:22:51.0	107.4	75.7							
	e PP	Z	20:27:21.6									
	e L	Z	21:18:45.0			19.6	2743		5.8			
FUR	e Pdiff	Z	20:22:53.2	107.7	76.2							
	e PP	Z	20:27:27.1									
IBBN	e Pdiff	Z	20:22:58.2	108.8	72.0							
	e PP	Z	20:27:35.7									
STU	e Pdiff	Z	20:22:58.8	108.9	74.3							
	e PP	Z	20:27:34.6									
TNS	e Pdiff	Z	20:22:58.5	109.0	73.2							
	e PP	Z	20:27:36.5									
BUG	e Pdiff	Z	20:23:00.4	109.3	71.8							
	e PP	Z	20:27:39.2									
BFO	e Pdiff	Z	20:23:01.6	109.6	73.8							
	e PP	Z	20:27:39.6									

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/14

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 e PKPdf Z 22:08:14.4

Date Origin Time Lat Long Depth mb Ms ML Source
 2000/05/15 02:20:58.6 3.418S 152.085E 368* 5.1 NEIC
 New Ireland, Papua New Guinea, region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
 GRA1 i PKPdf - Z 02:39:14.0 123.1 48.8
 i SKP + Z 02:42:16.0

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Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/15	05:58:17.2	49.000N	130.600W	33.0N	4.7	4.6		SZGRF
2000/05/15	05:58:16.0	50.065N	129.826W	10G	4.8	4.6		NEIC

Vancouver Island, Canada, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 06:10:01.5	74.8	335.3			4.7		
	e L	Z 06:41:30.4			20.9	301		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/15	07:11:55.8	50.640N	129.440W	33.0N	4.7	5.1		SZGRF
2000/05/15	07:11:46.2	50.215N	129.758W	10G	5.1	5.0		NEIC

Vancouver Island, Canada, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 07:23:29.7	74.7	335.3			4.7		
	e L	Z 07:57:46.2			19.7	884		5.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/15	08:31:53.9	5.280S	34.620E	33.0N	4.8	4.4		SZGRF

Tanzania

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 08:41:47.9	58.6	152.4			4.8		
	e PP	Z 08:43:41.1							
	e L	Z 09:17:45.8			20.2	287		4.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/15	14:47:28.0			N	4.5			SZGRF

Gulf of Alaska

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 14:58:38.6					4.5		
BEAM		14:58:38.6			0.8	3			

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 00:34:37.3							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16	10:40:23.4	36.472N	140.608E	47*	4.8	4.0		NEIC

Near east coast of eastern Honshu, Japan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 10:52:47.1	82.9	38.8			5.4		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:57:29.7					4.0		
BEAM		13:57:29.7			0.7	5			
GRA1	e (pP)	Z 13:57:32.9							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16	16:44:15.5	45.220N	28.610W	21.7	4.6	4.2		SZGRF
2000/05/16	16:44:10.8	44.591N	28.264W	10G	4.6	4.6		NEIC

Northern Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:49:56.1	27.0	274.4			4.6		
	e pP	Z 16:50:01.6							
	e L	Z 16:58:52.6			21.7	727		4.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16	20:16:12.2	1.177S	123.486E	33N	4.8	4.2		NEIC

Sulawesi, Indonesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PP	Z 20:34:42.9	105.1	73.4					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/16	21:37:57.5	7.171S	148.675E	33N	4.8	4.4		NEIC

Eastern New Guinea, Papua New Guinea, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 21:56:55.5	124.6	54.6					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/17	03:25:48.7	24.236N	121.163E	10G	5.4	5.3		NEIC

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 03:38:20.2	83.6	59.6					
	e	03:38:26.1							
	e pP	Z 03:38:38.8							
	e sP	Z 03:38:44.4							
	e PP	Z 03:41:32.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/17	03:27:21.7	24.245N	121.226E	10G	5.2			NEIC

Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	- Z 03:39:54.1	83.6	59.6			5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/17	05:40:46.7			G			2.7	SZGRF
2000/05/17	05:40:41.2	46.666N	10.143E	10G				NEIC

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pg	Z 05:41:24.0	2.1	143.0					2.4
	e Sg	Z 05:41:49.3							
GRC1	e Pg	Z 05:41:27.6	2.5	202.2					2.7
	e Sg	Z 05:42:00.5							
WET	e Sg	E 05:42:17.3	3.1	217.5					2.7
GRA1	e Pg	Z 05:41:38.9	3.1	193.8					3.1
	e Sg	N 05:42:21.1							
GEC2	e Pg	Z 05:41:40.9	3.2	229.0					2.6
	e Sg	Z 05:42:26.5							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/17	06:37:22.4	20.482S	178.352W	560?	4.5			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z 06:56:10.4	149.8	18.1					
	i PKPbc	- Z 06:56:11.2							

GRA1	e (P)	Z	13:39:57.2							3.6
BEAM			13:39:57.2		0.7			3		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/18	14:29:37.2			N				SZGRF
North of Ascension Island								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (P)	Z 14:33:50.7							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/18	15:18:56.7	24.130N	121.032E	10G	4.8	5.0		NEIC
Taiwan								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:31:28.7	83.6	59.8			5.0		
	e L	Z 16:12:54.2			18.6	553		5.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/18								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z 16:32:10.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/18	23:16:25.7	51.050N	162.860E	18.4	5.1			SZGRF
2000/05/18	23:16:34.7	51.611N	158.969E	55*	4.8			NEIC
Off east coast of Kamchatka Peninsula, Russia								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z 23:28:14.3	75.0	20.1			5.1		
	e pP	Z 23:28:19.3							
	e sP	Z 23:28:22.1							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/19	17:41:12.7				5.3			SZGRF
2000/05/19	17:41:11.9	13.970N	120.571E	33N	5.2			NEIC
Luzon, Philippine Islands								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	+ Z	17:54:16.8	91.4	66.3			5.3		
	e pP	Z	17:54:21.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/19	20:07:50.9	24.759S	179.230W	457?	4.5			NEIC

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
CLL	e PKPab	Z	20:27:05.0	151.8	24.1					
CLZ	e PKPbc	Z	20:26:54.5	151.9	18.8					
	e PKPab	Z	20:27:05.5							
IBBN	e PKPbc	Z	20:26:54.3	151.9	13.6					
	e PKPab	Z	20:27:05.6							
BRG	e PKPbc	Z	20:26:54.7	152.0	26.1					
	e PKPab	Z	20:27:05.5							
MOX	e PKPbc	Z	20:26:58.3	152.8	21.9					
GRA1	e PKPbc	Z	20:27:02.7	153.8	21.9					
	e PKPab	Z	20:27:13.7							
GRFO	e PKPab	Z	20:27:13.9	153.8	21.9					
GRB3	e PKPbc	Z	20:27:03.2	153.9	23.3					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/19								

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BUG	e PKPdf	Z	20:41:23.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/19	20:34:32.3	59.620N	153.020W	76.7	6.1	4.8		SZGRF
2000/05/19	20:34:26.2	59.197N	153.105W	79D	5.6			NEIC

Southern Alaska, United States

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i P	+ Z	20:45:35.3	70.4	351.6			6.1		
	e (pP)	Z	20:45:53.4							
	e (sP)	Z	20:46:07.0							
	e		20:46:12.3							
	e		20:48:31.1							
	e PP	Z	20:54:45.7							
	e L	Z	21:15:23.6			21.0	592		4.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/20	04:39:52.6	48.220N	149.060E	33.0N	5.2			SZGRF
2000/05/20	04:39:30.5	45.302N	151.426E	33N	4.7			NEIC

Northwest of Kuril Islands, Russia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	i P	+ Z	04:51:14.2	75.4	27.2					
RUE	i P	+ Z	04:51:15.9	75.7	29.3					
CLL	i P	+ Z	04:51:22.5	76.9	28.6					
BRG	i P	+ Z	04:51:23.3	77.0	29.2					
CLZ	i P	+ Z	04:51:24.9	77.2	27.0					
IBBN	i P	+ Z	04:51:26.3	77.5	25.3					
MOX	i P	+ Z	04:51:28.6	77.9	27.7					
WET	i P	+ Z	04:51:34.3	78.9	28.3					
GRA1	i P	+ Z	04:51:34.4	78.9	27.3	1.2	26	5.2		
TNS	i P	+ Z	04:51:35.7	79.2	25.5					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/20	09:49:14.9	49.718S	125.871E	10G	5.1	5.1		NEIC

South of Australia

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z	10:08:48.5	139.1	116.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/20	09:59:35.5	23.632S	179.882E	548D	5.0			NEIC

South of Fiji Islands

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e (PKPdf)	Z	10:18:26.6	152.5	22.9					
	i PKPbc	+ Z	10:18:31.0							
	e PKPab	Z	10:18:44.6							
	e pPKPbc	Z	10:20:43.1							
	e pPKPab	Z	10:20:52.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/21	02:58:42.4	12.262S	43.506E	10G	5.1	5.0		NEIC

Northwest of Madagascar

Sta	Phase		Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z	03:09:43.5	68.1	145.8	0.8	6	4.9		
	e (pP)	Z	03:09:48.4							

e L Z 03:48:28.6 19.4 198 4.3

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/21 06:38:03.0 20.221S 177.907W 600G 4.2 NEIC
Fiji Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKPdf Z 06:56:48.2 149.6 17.1
 e PKPbc Z 06:56:51.8
 e PKPab Z 06:56:55.7

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/21 19:59: 3.3 70.210N 6.820W 33.0N 5.3 4.7 SZGRF
2000/05/21 19:58:47.4 71.224N 8.245W 10G 5.3 5.6 NEIC
Jan Mayen Island region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 20:03:57.4 23.3 344.3 1.3 177 5.3
 e S E 20:08:09.2
 e L Z 20:15:59.8 19.5 2730 4.7

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/21 21:53:32.1 23.251S 175.456W 33N 4.6 4.9 NEIC
Tonga Islands region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e PKP Z 22:13:40.2 153.0 13.6
 e L Z 23:29:27.7 20.6 194 4.9

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/21 23:42:46.0 69.970N 9.860W 33.0N SZGRF
Jan Mayen Island region

Sta Phase Time Dist BAz T[s] A[nm] mb MS ML
GRA1 e P Z 23:47:44.3 22.6 341.3

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/22 00:07:14.4 11.450N 123.100E 36.1 5.4 4.6 SZGRF
2000/05/22 00:06:52.4 8.567N 126.698E 33N 5.2 4.6 NEIC

Cebu, Philippine Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:20:33.4	99.3	64.8	1.8	26	5.4		
	e pP	Z 00:20:44.0							
	e SS	N 00:39:05.1							
	e L	Z 01:10:06.7			18.7	214		4.6	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/22	04:24:45.9	1.660N	26.580W	33.0N	5.0	5.2		SZGRF
2000/05/22	04:24:38.3	0.733N	25.872W	10G	4.9	5.0		NEIC

Central Mid-Atlantic Ridge

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:34:34.2	58.3	225.1	0.7	12	5.0		
	e PP	Z 04:36:44.7							
	e PPP	Z 04:38:08.2							
	i S	N 04:42:46.0							
	e L	Z 04:59:36.6			19.8	1970		5.2	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/22	13:15:16.9	3.450S	79.480W	33.0G	5.5	5.4		SZGRF
2000/05/22	13:15:08.6	4.142S	81.065W	33N	5.3	5.4		NEIC

Near coast of Ecuador

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 13:28:28.1	94.6	269.1	1.2	22	5.5		
	e S	N 13:39:32.0							
	e SS	N 13:45:48.5							
	e L	Z 14:08:49.6			20.6	1375		5.4	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/22	19:49:1.5	37.680N	37.940E	33.0N	5.0	3.3		SZGRF
2000/05/22	19:48:51.1	38.240N	39.419E	10G	4.4	3.6		NEIC

Turkey

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:53:59.4	23.1	109.0	1.3	60	5.0		
	e L	Z 20:02:58.9			19.4	106		3.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/05/23 01:35:17.7 21.694S 179.548W 600G 4.5 NEIC
Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPbc	Z 01:54:04.4	150.7	20.8					
	e PKPab	Z 01:54:14.5							

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/23 10:50:58.5 15.718S 175.109W 290D 4.8 NEIC
Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	i PKP	Z 11:10:04.5	145.6	10.8					

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/23 14:44:32.9 26.420N 125.970E 33.0N 5.6 SZGRF
2000/05/23 14:44:58.0 27.241N 125.611E 242D 4.9 NEIC
Northeast of Taiwan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BRG	i P	Z 14:56:50.9	81.5	56.7	0.9	23	5.4		
BSEG	i P	Z 14:56:51.9	81.6	54.4	0.9	35	5.6		
CLL	i P	Z 14:56:52.1	81.7	56.0	0.8	36	5.7		
CLZ	i P	- Z 14:56:58.3	82.8	54.2	1.0	90	5.9		
MOX	i P	Z 14:56:58.1	82.8	54.9	1.1	24	5.3		
WET	i P	Z 14:56:59.1	83.0	55.7	1.6	29	5.3		
GRA1	i P	- Z 14:57:02.6	83.6	54.6	1.2	87	5.9		
FUR	i P	Z 14:57:06.5	84.5	54.5	1.0	162	6.1		
TNS	i P	Z 14:57:07.3	84.7	52.6	1.0	21	5.2		
BFO	i P	Z 14:57:13.5	85.9	52.4	1.8	69	5.5		

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/23 15:46: 4.6 51.650N 157.710E 33.0N 5.2 SZGRF
2000/05/23 15:46:06.9 51.145N 157.505E 93 5.0 NEIC
Near east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:57:41.6	75.2	21.1	0.9	22	5.2		

Date Origin Time Lat Long Depth mb Ms ML Source
2000/05/23 16:36:54.0 2.660N 76.780W 45.9 5.2 SZGRF

2000/05/23 16:36:45.6 2.055N 78.391W 33N 5.0 4.4 NEIC
Colombia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:49:34.8	88.2	271.0	1.4	30	5.2		
	e pP	Z 16:49:48.2							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24	01:10:49.6	71.340N	11.530W	33.0N	5.5	4.1		SZGRF
2000/05/24	01:10:50.7	71.272N	8.694W	10G	5.3	4.7		NEIC

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	i P	Z 01:15:16.7	19.2	341.5	2.2	601	5.4		
CLZ	i P	+ Z 01:15:38.7	21.2	343.2	1.2	167	5.4		
CLL	i P	+ Z 01:15:49.0	22.2	341.7	1.0	244	5.7		
TNS	i P	Z 01:15:51.5	22.5	345.7	0.9	66	5.2		
MOX	i P	+ Z 01:15:53.0	22.6	343.1	1.2	174	5.5		
BRG	i P	+ Z 01:15:54.9	22.8	341.4	1.1	116	5.3		
GRA1	e P	Z 01:16:01.9	23.4	344.0	1.6	234	5.5		
	e S	N 01:20:22.1							
	e L	Z 01:25:28.4			18.8	658		4.1	
WET	i P	+ Z 01:16:10.4	24.3	343.3	2.5	730	6.0		
BFO	i P	Z 01:16:10.1	24.3	346.8	1.4	140	5.5		
FUR	e P	Z 01:16:15.1	24.9	344.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24	05:40:37.5	35.870N	22.220E	33.0N	5.2	5.0		SZGRF
2000/05/24	05:40:38.5	36.029N	21.901E	33N	5.5	5.6		NEIC

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GEC2	e P	Z 05:43:56.7	14.2	151.9	1.2	68			
FUR	e P	Z 05:44:02.2	14.4	143.3	1.7	456			
WET	e P	Z 05:44:03.7	14.7	150.0	1.0	149			
GRA1	e P	Z 05:44:20.5	15.7	146.4	1.3	260			
	e L	Z 05:52:04.5			21.7	10761		5.0	
BFO	e P	Z 05:44:20.6	15.8	136.0	1.3	157	5.0		
BRG	e P	Z 05:44:21.2	15.9	155.9	1.1	90	4.8		
MOX	e P	Z 05:44:26.3	16.4	149.2	1.1	94			
CLL	e P	Z 05:44:29.4	16.6	154.0	1.6	459	5.3		
TNS	e P	Z 05:44:39.1	17.2	140.5	1.1	160			
CLZ	e P	Z 05:44:46.3	17.8	148.1	3.4	2009	5.7		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24	10:01:41.3	36.380N	23.120E	33.0N	4.9	4.1		SZGRF
2000/05/24	10:01:47.1	36.291N	22.044E	33N	5.0			NEIC

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:05:22.9	15.5	145.6	1.9	187	4.9		
	e L	Z 10:12:13.1			18.2	1054		4.1	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 10:36:04.6							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24	15:41:48.9	52.470N	156.490E	33.0N	5.2			SZGRF
2000/05/24	15:42:56.8	54.578N	153.371E	588	4.5			NEIC

Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 15:53:19.8	71.0	22.1	1.0	28	5.2		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/24	16:11:48.1	33.880N	24.490E	33.0N	4.5	3.9		SZGRF
2000/05/24	16:12:16.3	35.932N	21.988E	33N	4.8			NEIC

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:16:03.1	15.8	146.3	1.3	43	4.5		
	e L	Z 16:22:44.9			18.5	591		3.9	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/25	00:26:57.8	36.520N	21.930E	33.0N		4.0		SZGRF
2000/05/25	00:26:48.2	36.270N	22.122E	33N	5.0	4.6		NEIC

Southern Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:30:31.8	15.6	145.4	1.3	76			
	e L	Z 00:37:15.0			18.1	1094		4.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/25	00:37: 4.4	33.810N	23.590E	33.0N				SZGRF
2000/05/25	00:37:35.0	36.127N	21.943E	33N	4.5			NEIC

Central Mediterranean Sea

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 00:41:16.1	15.6	146.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/25	04:09: 5.6	70.510N	10.060W	22.1	4.9	4.0		SZGRF
2000/05/25	04:09:00.9	71.096N	7.612W	10G	4.7	4.2		NEIC

Jan Mayen Island region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 04:14:08.8	23.1	344.5	2.0	83	4.9		
	e pP	Z 04:14:14.0							
	e S	N 04:18:10.3							
	e L	Z 04:24:35.4			18.0	503		4.0	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/25	05:10:58.7	52.570N	166.210W	33.0N	5.5	4.8		SZGRF
2000/05/25	05:10:56.5	52.787N	166.938W	33N	5.3	4.8		NEIC

Fox Islands, Aleutian Islands, United States

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BSEG	e P	Z 05:22:28.3	73.3	358.3	1.2	60	5.5		
CLZ	e P	Z 05:22:40.4	75.3	358.3	1.1	60	5.7		
CLL	e P	Z 05:22:43.7	75.9	360.0	1.1	39	5.4		
MOX	e P	Z 05:22:47.4	76.6	359.1	1.1	47	5.5		
TNS	e P	Z 05:22:48.3	76.9	357.1	1.3	41	5.4		
GRA1	e P	Z 05:22:52.6	77.5	358.9	1.1	73	5.7		
	e L	Z 05:58:16.7			20.2	454		4.8	
WET	e P	Z 05:22:56.3	78.1	359.9	1.4	38	5.3		
BFO	e P	Z 05:22:58.7	78.8	357.1	1.3	40	5.3		
FUR	e P	Z 05:23:01.9	79.0	358.9	1.4	113	5.6		

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/26	00:30:04.8	11.322N	139.103E	33N	5.3	5.5		NEIC

Western Caroline Islands, Micronesia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
RGN	e Pdiff	Z 00:43:45.5	99.9	53.9					
	e PP	Z 00:48:02.1							
RUE	e Pdiff	Z 00:43:52.7	100.9	54.6					
	e PP	Z 00:48:09.6							
BSEG	e Pdiff	Z 00:43:59.0	101.7	51.3					
	e PP	Z 00:48:14.0							
BRG	e Pdiff	Z 00:43:57.2	101.8	55.0					
	e PP	Z 00:48:17.2							
CLL	e Pdiff	Z 00:43:57.2	102.0	54.1					
	e PP	Z 00:48:18.3							
CLZ	e Pdiff	Z 00:44:03.5	103.0	51.7					
	e PP	Z 00:48:23.7							
GEC2	e Pdiff	Z 00:44:02.6	103.1	55.1					
	e PP	Z 00:48:17.2							
MOX	e Pdiff	Z 00:44:03.5	103.1	53.0					
	e PP	Z 00:48:15.1							
WET	e Pdiff	Z 00:44:02.6	103.3	54.4					
	e PP	Z 00:48:16.1							
GRA1	e Pdiff	Z 00:44:08.6	103.9	52.9					
	e	00:47:30.7							
	e PP	Z 00:48:24.7							
	e SP	Z 00:57:42.6							
	e SS	N 01:03:30.2							
IBBN	e SSS	N 01:12:50.2							
	e L	Z 01:36:11.2			18.3	8822		6.3	
	e Pdiff	Z 00:44:08.9	103.9	49.3					
	e PP	Z 00:48:32.4							
	e Pdiff	Z 00:44:13.4	104.7	49.1					
BUG	e PP	Z 00:48:34.5							
	e Pdiff	Z 00:44:11.6	104.8	53.2					
FUR	e PP	Z 00:48:20.5							
	e Pdiff	Z 00:44:13.4	104.9	50.3					
TNS	e PP	Z 00:48:27.0							
	e Pdiff	Z 00:44:15.2	105.5	51.3					
STU	e PP	Z 00:48:29.1							
	e Pdiff	Z 00:44:08.0	106.2	50.6					
BFO	e PP	Z 00:48:41.0							
	e Pdiff	Z 00:44:22.4	106.4	48.4					
WLF	e PP	Z 00:48:43.2							

Date 2000/05/26
 Origin Time 01:28:23.0
 Lat 39.246N
 Long 20.516E
 Depth 10G
 mb 5.2
 Ms 5.4
 ML
 Source NEIC
 Greece

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 01:31:19.3	12.4	144.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/05/26												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		GRA1	e PKPdf	Z 01:40:32.2								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/05/26	04:01:35.6	7.472S	154.637E	33N	5.0	4.4		NEIC				
Bougainville - Solomon Islands region												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		GRA1	e PKPdf	Z 04:20:44.2	127.9	48.5						

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/05/26	12:02:05.1	38.987N	20.571E	0				NEIC				
Greece-Albania border region												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		GEC2	e Pn	Z 12:04:45.7	11.0	150.9						
			e L	Z 12:10:06.0			15.1	713		3.7		
		WET	e Pn	Z 12:04:48.7	11.5	148.7						
			e L	Z 12:10:23.4			14.4	1162		4.0		
		BFO	e Pn	Z 12:05:00.9	12.8	132.1						
			e L	Z 12:11:46.3			14.9	270				

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source				
2000/05/27	02:45:53.4	46.950N	20.250E	10.0G				SZGRF				
Hungary												
		Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML	
		GEC2	e Pn	Z 02:47:06.9	4.8	110.9						
			e Sn	E 02:48:03.0								
		WET	e Pn	Z 02:47:11.1	5.4	111.2						
			e Sn	N 02:48:10.7								
		MOX	e Pn	Z 02:47:33.3	6.8	119.7						
			e Sn	N 02:48:46.9								

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
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2000/05/27 03:08:20.8
Central Mediterranean Sea

35.890N 22.028E 33N

NEIC

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:12:08.6	15.9	146.3					
	e L	Z 03:18:52.2			18.3	293		3.5	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/27								

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:29:00.0							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/27	19:21:10.1	23.696S	176.999W	33N	4.7			NEIC

South of Fiji Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 19:41:11.5	153.2	16.9					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/28	08:36:15.4	17.771S	178.506W	500G	4.3			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 08:55:02.0	147.1	17.2					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/28	11:22:24.4	46.690N	10.280E	10.0G				SZGRF

Northern Italy

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
BFO	e Pn	Z 11:23:00.1	2.1	140.5					
	e Sn	N 11:23:26.0							
GRC1	e Pn	Z 11:23:04.5	2.5	200.3					
	e Sn	N 11:23:34.4							
WET	e Pn	Z 11:23:11.2	3.0	216.3					
	e Sn	N 11:23:48.2							
GEC2	e Pn	Z 11:23:14.6	3.2	228.1					
	e Sn	N 11:23:52.1							
MOX	e Sn	N 11:24:13.0	4.1	193.1					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/28	20:56:26.7	15.329S	173.398W	79D	5.0			NEIC

Tonga Islands

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 21:15:58.4	145.4	7.9					
	e PKPbc	Z 21:16:05.9							
	e PKPab	Z 21:16:12.4							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/29	03:04:52.0			N	4.8	4.3		SZGRF

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 03:16:05.0			1.0	8	4.8		
	e L	Z 03:42:50.0			21.2	173		4.3	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/30	06:39:00.4	63.633S	172.622E	10G	5.4	5.6		NEIC

Balleny Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKPdf	Z 06:59:03.6	162.9	151.3					
	e PKPab	Z 06:59:53.2							
	e (pPKPab)	Z 06:59:59.8							
	e SS	N 07:24:01.9							
	e L	Z 08:18:33.7			20.5	1518		5.8	

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/30	11:13:37.9	17.756S	178.774W	579	4.8			NEIC

Fiji Islands region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e PKP	Z 11:32:21.4	147.1	17.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/30	16:12:51.0	52.790N	160.521E	55*	4.5	4.1		NEIC

Off east coast of Kamchatka Peninsula, Russia

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:24:26.5	74.3	18.7					

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/30	19:42:25.7	35.830N	71.570E	103.6				SZGRF
2000/05/30	19:42:32.9	36.501N	71.547E	107D	4.9			NEIC

Pakistan

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 19:50:38.5	44.7	83.4					
	e pP	Z 19:51:04.8							
	e sP	Z 19:51:12.8							

Date	Origin Time	Lat	Long	Depth	mb	Ms	ML	Source
2000/05/31	16:27:57.3	52.230N	109.990E	13.4	5.2	4.8		SZGRF
2000/05/31	16:28:07.8	51.632N	104.997E	10G	5.1	4.2		NEIC

Lake Baykal, Russia, region

Sta	Phase	Time	Dist	BAz	T[s]	A[nm]	mb	MS	ML
GRA1	e P	Z 16:37:43.8	55.1	49.0			5.2		
	e pP	Z 16:37:47.4							
	e sP	Z 16:37:49.3							
	e S	N 16:45:32.0							
	e SS	N 16:49:33.1							
	e L	Z 17:03:44.3			18.3	677		4.8	
	e L	Z 22:21:18.4			22.0	2124		5.7	

Format description

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(K. Klinge, A. Schick)

In general all regional and teleseismic events clearly recorded with GRF-Array stations and stronger events recorded with stations of the German Regional Seismological Network (GRSN) are included in this bulletin. Additional to primary phases we intent to report secondary phases with common interest from stronger events (ISOP-analysis). Each event is reported by several EPICENTER LINES with possible COMMENT LINES, a REGION LINE and a block of PHASE LINES.

EPICENTER LINES:

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

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

COMMENT LINE:

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

REGION LINE:

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

PHASE LINE:

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