

SEISMOLOGICAL INSTITUTE
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 SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

JANUARY 1 - 31, 1976

1976	Jan.	1	Up	iP	00 08 28.5				
					micr sec				
				P	Z' 0.1	0.9			
			Ki	iP	00 08 01.4				
					micr sec				
				P	Z' 0.1	0.9			
			Um	iP	00 08 12.3				
			Ud	iP	00 08 34.6				
			Mariana Islands (h = 580 km).						
			m = 5.6 (Up,Ki).						
"		1	Up	iP	00 08 53.4				
					micr sec				
				P	Z' 0.1	0.7			
			Sk	iP	00 09 36.5				
			Um	iP	00 09 32.5				
			Ud	iP	00 09 00.0				
				ipP	00 09 06.3				
			De	iP	00 08 36.1				
			Greece.						
			h = 25 km (Ud).						
"		1	Ki	iP	00 36 04.8				
				iS	00 38 39.2				
				i	00 38 54.2				
			Um	ipP	00 36 27.7				
			Ud	ipP	00 36 18.8				
			Iceland (h = N).						
"		1	Up	iPKP1	01 49 14.4				
				i	01 49 15.5				
					micr sec				
				PKP1	Z' 1.4	1.0			
				Mx	E 26	29			
				Mx	N 66	29			
				Mx	Z 64	26			
			Ki	iPKP1	01 48 56.1				
				i	01 49 01.9				
				i	01 49 14.1				
			(cont.)						

1976	Jan.	1	(cont.)						
				Ki		micr sec			
				PKP1	Z' 0.2	1.0			
				i	Z' 0.5	1.0			
				Mx	E 35	24			
				Mx	N 52	23			
				Mx	Z 64	24			
			Sk	iPKP1	01 49 07.6				
				i	01 49 10.9				
			Um	iPKP1	01 49 04.0				
				i	01 49 06.0				
			Ud	iPKP1	01 49 16.5				
			De	iPKP	01 49 20.8				
				iPKP1	01 49 24.0				
			Kermadec Islands (h = 60 km).						
			M = 7.3 (Up,Ki).						
			Multiple event with successively increasing amplitudes.						
"		1	Up	iPKP1	02 01 15.7				
					micr sec				
				PKP1	Z' 0.1	0.8			
			Ud	iPKP1	02 01 17.5				
			Kermadec Islands.						
"		1	Up	iPKP1	02 04 59.0				
					micr sec				
				PKP1	Z' 0.1	1.0			
			Sk	iPKP1	02 04 52.9				
			Um	iPKP1	02 04 46.2				
			Ud	iPKP1	02 05 00.6				
			De	iPKP1	02 05 09.5				
				i	02 05 23.2				
			Kermadec Islands.						
"		1	Up	iPKP1	02 09 00.2				
					micr sec				
				PKP1	Z' 0.1	0.7			
			(cont.)						

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan.	1	(cont.)			
		Um	iPKP1	02 08	50.7
		Ud	iPKP1	02 09	02.5
		De	iPKP1	02 09	10.5
		Kermadec Islands.			
"	1	Up	iPKP1	02 15	25.8 C
				micr sec	
			PKP1	Z' 0.1	1.0
		Sk	iPKP1	02 15	18.9
		Ud	iPKP1	02 15	27.9
		De	iPKP1	02 15	36.6
		Kermadec Islands.			
"	1	Up	iPKP1	02 18	51.3
		Ud	iPKP1	02 18	52.7
		De	iPKP1	02 19	01.8
		Kermadec Islands.			
"	1	Up	iP	02 24	04.8
		Ud	iP	02 24	14.1
		Greece (h = N).			
"	1	Up	iPKP1	02 26	14.7
				micr sec	
			PKP1	Z' 0.1	0.9
		Sk	iPKP1	02 26	07.0
			i	02 26	22.2
		Um	iPKP1	02 26	01.8
		Ud	iPKP1	02 26	15.9
			i	02 26	31.3
		De	iPKP1	02 26	26.1
			i	02 26	40.3
		Kermadec Islands.			
"	1	Up	iPKP1	02 40	47.3 C
				micr sec	
			PKP1	Z' 0.1	0.8
		Sk	iPKP1	02 40	40.6 C
		Um	iPKP1	02 40	35.7 C
		Ud	iPKP1	02 41	48.7 C
		De	iPKP1	02 40	58.4 C
		Kermadec Islands (h = 50 km).			
"	1	Ud	iP	02 54	58.6
"	1	Ud	iP	03 49	03.4
"	1	Up	iP	04 22	34.2
		Ud	iP	04 22	28.4
		Vancouver Island (h = 20 km).			
"	1	Up	iPKP1	07 22	29.8
			i	07 22	36.5
		(cont.)			

1976

Jan.	1	(cont.)			
		Up	i	07 22	43.6
		Sk	iPKP1	07 22	22.7
		Um	iPKP1	07 22	17.2
		Ud	iPKP1	07 22	31.5
			i	07 22	37.9
		De	iPKP1	07 22	39.9
			i	07 22	54.1
		Kermadec Islands (h = N).			
"	1	Ud	iP	08 00	59.6
"	1	Ud	iP	08 10	32.7
"	1	Ud	iP	09 06	07.0
"	1	Up	iPKP1	09 53	35.0 C
				micr sec	
			PKP1	Z' 0.1	0.7
		Sk	iPKP1	09 53	28.0
		Um	iPKP1	09 53	22.8
		Ud	iPKP1	09 53	36.9 C
		De	iPKP1	09 53	46.0 C
		Kermadec Islands.			
"	1	Up	iPKP1	14 46	46.2
		Sk	ePKP1	14 46	41
		Ud	iPKP1	14 46	46.5
		De	iPKP1	14 46	55.1
		Kermadec Islands (h = 50 km).			
"	1	Up	iP	15 44	41.6
				micr sec	
			P	Z' 0.1	1.0
		Ki	iP	15 44	08.3
		Sk	iP	15 44	38.3
		Um	iP	15 44	22.6
		Ud	iP	15 44	49.5
		Japan (h = 390 km).			
"	1	Up	iPKP1	16 35	00.7
			ipPKP1	16 35	54.3
				micr sec	
			PKP1	Z' 0.4	1.0
		Ki	i(PKP)	16 34	43.3
			iPKP	16 34	46.9
		Sk	iPKP1	16 34	52.3
		Um	i(PKP)	16 34	48.0
			iPKP1	16 34	50.3
		Ud	iPKP1	16 35	03.2
			ipPKP1	16 35	56.1
		De	iPKP1	16 35	12.5
			iPKP2	16 35	17.2
		Tonga-Kermadec Islands.			
		h = 200 km (Up,Ud).			

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1976				1976				
Jan.	1	Ki	iPKP	19 02 37.7	Jan.	2	(cont.)	
			i	19 02 46.7			Sk iS	
		Um	iPKP	19 02 45.3			Um iP	
		New Hebrides Islands					iS	
		(h = 25 km).					i	
"	1	Up	iPKP1	19 23 04.8 C			Ud iP	
				micr sec			iS	
			PKP1	Z' 0.1 0.8			Norwegian Sea,	
		Ki	ePKP1	19 22 49			near 71 1/4°N, 7°E.	
		Sk	iPKP1	19 22 57.6 C			Origin time = 04 50 05.	
		Um	iPKP1	19 22 52.5	"	2	Up	iPKP1
		Ud	iPKP1	19 23 06.9 C				micr sec
		De	iPKP1	19 23 15.5 C				PKP1
		Kermadec Islands (h = 60 km).						Z' 0.1 1.2
"	2	Up	iPKP1	01 28 08.9			Sk	iPKP1
				micr sec			Ud	iPKP1
			PKP1	Z' 0.1 1.0			De	iPKP1
		Sk	iPKP1	01 28 01.9				i
		Um	iPKP1	01 27 57.3			Kermadec Islands (h = N).	
		Ud	iPKP	01 28 07.8	"	2	Up	iP
			iPKP1	01 28 11.4			Ki	iP
		De	iPKP1	01 28 20.5			Um	iP
		Kermadec Islands (h = 45 km).					Ud	iP
"	2	Ud	iP	02 18 45.8			Afghanistan-USSR (h = 90 km).	
		Iceland (h = 10 km).		"	2	Ki	iP	06 37 13.3
"	2	Ud	iP	02 38 44.2				ipP
"	2	Up	iP	02 57 33.7			Um	ipP
		Ki	iP	02 56 45.6			Ud	ipP
		Um	iP	02 57 07.5			Iceland.	
		Ud	iP	02 57 38.9			h = 25 km (Ki).	
		Kurile Islands (h = 55 km).		"	2	Up	iP	06 59 02.1
"	2	Ud	iP	03 47 05.6				i
		Vancouver Island (h = 25 km).						06 59 11.6
"	2	Up	iPKP1	04 29 50.5				micr sec
		Ki	iPKP1	04 29 32.9				P
		Sk	iPKP1	04 29 42.4				Z' 0.2 1.2
		Ud	iPKP1	04 29 51.9			Ki	iP
		De	iPKP1	04 30 00.8				06 58 16.7
		Kermadec Islands (h = 60 km).						micr sec
"	2	Ud	iP	04 38 02.0				P
		Persian Gulf (h = N).						Z' 0.1 1.2
"	2	Ki	iPn	04 51 29.5			Um	iP
			iSn	04 52 31.5			Ud	iP
			i	04 52 44.3				i
		Sk	iP	04 51 59.8			Kurile Islands (h = 40 km).	
		(cont.)					m = 5.9 (Up,Ki).	
"	2	Up	i	07 38 41.9	"	2	Up	i
			iSg1	07 39 07.7				iSg1
			i	07 39 13.4				i
		Ki	eSg2	07 41 10			Ki	eSg2
		Sk	iSn	07 37 51.5			Sk	iSn
			iSg1	07 38 14.0				iSg1
		Um	iSn	07 39 08.0			Um	iSn
		(cont.)						iSg1
		(cont.)					(cont.)	

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1976

1976

Jan. 2 (cont.)
 Ud iPn 07 36 54.4
 iSn 07 37 41.3
 iSgl 07 38 07.3
 De iSgl 07 39 01.7
 West coast of Norway,
 60.6°N, 5.0°E.
 Origin time = 07 35 51.
 $M_L = 2.9$ (Up,Um,Ud).
 Felt.

" 2 Up iP 08 58 54.9
 Ud iP 08 58 40.8

" 2 Up iPKP1 11 00 45.1
 Sk iPKP1 11 00 38.0
 Ud iPKP1 11 00 46.8
 De iPKP1 11 00 55.7
 Kermadec Islands.

" 2 Ki iP 13 54 21.1
 Ud iP 13 54 34.9
 De iP 13 54 34.5
 Tadzhik-Sinkiang (h = N).

" 2 Ud iP 15 16 54.5

" 2 De iP 16 42 22.6
 Indian Ocean (h = N).

" 2 Ud iP 16 46 16.8
 Indian Ocean (h = N).

" 2 Ud iP 19 06 14.5

" 2 Ki iP 21 46 21.1
 Kamchatka (h = N).

" 2 Up iPKP1 22 16 10.3
 micr sec
 PKP1 Z' 0.2 1.4
 Sk iPKP1 22 16 03.0
 Um iPKP1 22 15 57.6
 Ud iPKP1 22 16 11.8
 De iPKP1 22 16 20.8
 Kermadec Islands (h = 30 km).

" 2 Up iP1 22 49 31.9
 iP2 22 49 34.9
 micr sec
 P2 Z' 0.1 0.9
 Sk iP1 22 50 14.3
 Um iP2 22 50 12.0
 Ud iP1 22 49 39.4
 Greece (h = 40 km).

Jan. 3 Up iPKP2 01 49 26.4
 Um iPKP1 01 49 11.4
 Ud iPKP2 01 49 28.8
 Kermadec Islands (h = N).

" 3 Up iP 03 10 22.0
 micr sec
 P Z' 0.1 1.0
 Ki iP 03 09 53.1
 Sk iP 03 10 22.4
 Um iP 03 10 04.5
 Ud iP 03 10 30.7
 Ryukyu Islands (h = 20 km).

" 3 Up iP 05 03 31.7

" 3 Ud ipP 05 59 36.9
 Greece (h = 25 km).

" 3 Up iPKP1 06 02 55.0
 i 06 03 06.6
 Ud iPKP1 06 02 57.4

" 3 Ki iP 11 08 18.2
 Mariana Islands (h = 400 km).

" 3 Up iP 13 21 16.3
 Um ipP 13 21 58.0
 Ud iP 13 21 24.9
 Greece (h = 15 km).

" 3 Up iP 15 08 40.6
 Greece (h = 35 km).

" 3 Up iPKP1 18 28 27.2
 Ud iPKP1 18 28 30.8
 Kermadec Islands.

" 3 Up iP 19 26 48.3 C
 micr sec
 P Z' 0.4 1.0
 Ki iP 19 26 13.8 C
 micr sec
 P Z' 0.3 0.9
 Sk iP 19 26 22.0 C
 Um iP 19 26 33.4 C
 Ud iP 19 26 40.0 C
 Nevada.
 $m = 6.5$ (Up,Ki).
 Underground explosion.

" 4 Ki iP 04 10 33.0
 ipP 04 10 45.7
 Ud iP 04 10 44.2
 ipP 04 10 58.3
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Jan.	4	(cont.)		Jan.	4	Up	iPKP2 22 30 35.5
		Ud	iPP 04 14 56.7			Um	iPKP1 22 30 22.1
			South of Java.			Ud	iPKP1 22 30 32.6
			h = 45 km (Ki,Ud).				Kermadec Islands.
"	4	Up	iP 04 33 22.8	"	5	Um	iP 00 36 16.2
			micr sec				
		P	Z' 0.5 1.7	"	5	Ki	iP 02 45 30.4
		Ki	iP 04 32 53.1				Peru (h = 100 km).
			iS 04 35 25.1				
			micr sec	"	5	Ki	iP 06 34 40.3
		P	Z' 0.6 1.9				New Mexico (h = 25 km).
		Mx	N 2.6 12	"	5	Ud	iP 10 10 00.6
		Sk	iP 04 32 25.3	"	5	Ki	iP1 12 43 58.2
			iS 04 34 46.6				iP2 12 44 06.2
		Um	iP 04 33 09.1			Um	iP2 12 44 18.0
		Ud	iP 04 33 00.8				Iceland (h = 5 km).
			iS 04 35 39.6	"	5	Ki	iP 12 49 45.8
			Iceland (h = N).				Formosa (h = 50 km).
			m = 5.7 (Up,Ki).	"	6	Um	i(P) 08 41 23.2
"	4	Up	iP 08 55 04.2	"	6	Ki	iP 08 53 28.6
			micr sec				i 08 53 36.0
		P	Z' 0.1 1.2				micr sec
		Ki	iP 08 54 10.7				P Z' 0.1 1.0
			micr sec				i Z' 0.1 0.8
		P	Z' 0.1 1.0				Mx N 1.0 10
		Sk	iP 08 54 40.9			Sk	iP 08 53 00.3
		Um	iP 08 54 38.0				iS 08 55 13.4
		Ud	iP 08 55 02.9			Um	iP 08 53 42.9
		De	iP 08 55 25.5				i 08 53 45.0
			Aleutian Islands (h = 40 km).				i 08 53 47.8
			m = 5.8 (Up,Ki).			Ud	iP 08 53 33.4
"	4	Up	iSgl 15 10 56.7				i 08 53 37.4
		Ki	iSgl 15 10 19.3				Iceland (h = 10 km).
		Sk	iSgl 15 10 30.1	"	6	Ud	iP 10 36 16.0
		Um	iPgl 15 08 43.6 C	"	6	Ki	iP 14 28 06.7
			iSgl 15 08 51.2				i 14 28 16.6
		Ud	iSgl 15 10 23.6			Sk	eP 14 27 40
			Västerbotten, Sweden,			Um	iP 14 28 21.7
			64.3°N, 20.9°E.				i 14 28 30.2
			Origin time = 15 08 33.				Iceland (h = N).
			M _L = 2.6 (Ki,Um,Ud).	"	6	Up	iP 19 38 55.4
"	4	Ud	iP 15 32 44.5				micr sec
"	4	Um	iPgl 20 57 32.1				P Z' 0.1 1.3
			iSgl 20 57 42.8			Ki	iP 19 38 00.6
			Regional event.			Ud	iP 19 38 59.1
			Origin time = 20 57 18.				Kamchatka (h = N).
			M _L = 1.8 (Um).				
"	4	Um	iP 21 52 49.9				

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1976				1976			
Jan.	6	Up	iP	20 02 14.1	Jan.	6	(cont.)
				micr sec			Up
			P	Z' 0.1 1.1			micr sec
		Ki	iP	20 01 19.3			P
		Ud	iP	20 02 16.9			Z' 0.1 1.1
				Kamchatka (h = N).			Ki
							iP
							21 33 28.0
							micr sec
"	6	Um	iP	20 03 18.5			P
							Z' 0.1 0.9
"	6	Um	iP	20 52 30.0			Um
							iP
							21 33 53.2
"	6	Up	iP	21 07 47.9			Ud
				micr sec			iP
			P	Z' 0.3 1.2			21 34 24.6
		Ki	iP	21 06 55.5			De
			ipP	21 07 02.2			iP
				micr sec			21 34 45.6
			P	Z' 0.3 1.3			Kamchatka (h = N).
		Sk	iP	21 07 32.7			m = 5.9 (Up,Ki).
		Um	iP	21 07 19.3	"	6	Up
			ipP	21 07 27.0			iP
		Ud	iP	21 07 51.8			21 45 56.6
		De	iP	21 08 12.9			Ki
				Kamchatka.			iP
				h = 25 km (Ki,Um).			21 45 04.2
				m = 6.3 (Up,Ki).			Um
"	6	Up	iP	21 18 54.9 C			iP
			iS	21 27 33.5			21 45 28.7
				micr sec			Ud
			P	Z' 2.7 1.5			iP
			Mx	E 13 17			21 46 00.8
			Mx	N 21 17			Kamchatka (h = N).
			Mx	Z 33 16			
		Ki	iP	21 18 02.6 C			Um
			i	21 18 03.9			i(P)
			iS	21 25 57			21 48 06.7
				micr sec	"	6	Up
			P	Z' 1.3 1.5			iP
			Mx	E 13 15			21 56 00.1 C
			Mx	N 9.2 12			i
			Mx	Z 16 17			21 56 07.0
		Sk	iP	21 18 38.9 C			i
		Um	iP	21 18 26.9 C			21 56 13.6
			i	21 18 27.6			micr sec
			iS	21 26 48			P
				micr sec			Z' 0.3 1.0
			P	Z' 1.3 1.5			i
			Mx	E 13 15			Z' 0.8 1.0
			Mx	N 9.2 12			Mx
			Mx	Z 16 17			E 2.4 13
		Sk	iP	21 18 38.9 C			N 3.7 14
		Um	iP	21 18 26.9 C			Z 3.8 12
			i	21 18 27.6			Ki
			iS	21 26 48			iP
				micr sec			21 55 08.0 C
			P	Z' 1.3 1.5			i
			Mx	E 13 15			21 55 14.4
			Mx	N 9.2 12			micr sec
			Mx	Z 16 17			P
		Sk	iP	21 18 38.9 C			Z' 0.3 1.0
		Um	iP	21 18 26.9 C			i
			i	21 18 27.6			Z' 0.7 1.0
			iS	21 26 48			Mx
				micr sec			E 4.0 13
			P	Z' 1.3 1.5			Mx
			Mx	E 13 15			N 5.7 14
			Mx	N 9.2 12			Z 3.3 13
			Mx	Z 16 17			Sk
		Sk	iP	21 18 38.9 C			iP
		Um	iP	21 18 26.9 C			21 55 44.1
			i	21 18 27.6			Um
			iS	21 26 48			iP
				micr sec			i
			P	Z' 1.3 1.5			21 55 38.6
			Mx	E 13 15			Ud
			Mx	N 9.2 12			iP
			Mx	Z 16 17			21 56 04.3
		Sk	iP	21 18 38.9 C			i
		Um	iP	21 18 26.9 C			21 56 10.9
			i	21 18 27.6			De
			iS	21 26 48			iP
				micr sec			i
			P	Z' 1.3 1.5			21 56 24.7 C
			Mx	E 13 15			i
			Mx	N 9.2 12			21 56 31.7
			Mx	Z 16 17			iPP
		Sk	iP	21 18 38.9 C			21 58 59.5
		Um	iP	21 18 26.9 C			Kamchatka (h = N).
			i	21 18 27.6			m = 6.7, M = 5.9 (Up,Ki).
			iS	21 26 48			Double P, the second larger
				micr sec			onset arriving 6.6 sec after
			P	Z' 1.3 1.5			the first one.
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			
			iS	21 26 48			
				micr sec			
			P	Z' 1.3 1.5			
			Mx	E 13 15			
			Mx	N 9.2 12			
			Mx	Z 16 17			
		Sk	iP	21 18 38.9 C			
		Um	iP	21 18 26.9 C			
			i	21 18 27.6			

Up = Uppsala, Ki = Kiruna, Sk = Skulstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 7 (cont.)
 Ki iP 02 06 43.7
 micr sec
 P Z' 0.4 1.4
 Mx E 1.8 14
 Mx N 2.0 15
 Mx Z 2.5 14
 Sk eP 02 07 21
 Um iP 02 07 08.6
 Ud iP 02 07 40.7
 De iP 02 08 01.2
 Kamchatka (h = N).
 m = 6.4, M = 5.6 (Up,Ki).

" 7 Up iP 02 13 27.7
 Ki iP 02 12 34.2
 Ud iP 02 13 32.4

" 7 Up iP 04 43 31.8
 micr sec
 P Z' 0.2 1.0
 Ki iP 04 42 38.9
 ipP 04 42 49.8
 micr sec
 P Z' 0.2 1.0
 Sk eP 04 43 16
 Um iP 04 43 03.7
 ipP 04 43 24.5
 Ud iP 04 43 35.3
 De iP 04 43 56.2
 Kamchatka.
 h = 35 km (Ki,Um).
 m = 6.2 (Up,Ki).

" 7 Up iPKP2 07 19 34.4
 Ki iPKP1 07 19 01.7
 Ud iPKP2 07 19 40.0
 South Island, New Zealand
 (h = N).

" 7 Up iP 08 01 57.0
 ipP 08 02 05.9
 Ki iP 08 01 16.2
 Um iP 08 01 34.2
 Ud iP 08 02 04.2
 De iP 08 02 20.8
 Japan.
 h = 30 km (Up).

" 7 Up iP 08 09 35.6 c
 micr sec
 P Z' 0.1 1.0
 Ki iP 08 08 43.0
 micr sec
 P Z' 0.1 0.9
 (cont.)

1976

Jan. 7 (cont.)
 Um iP 08 09 08.2
 Ud iP 08 09 38.7
 i 08 09 40.4
 Kamchatka (h = N).
 m = 5.9 (Up,Ki).

" 7 Up iP1 08 10 49.7
 Ki iP1 08 09 57.0
 Um iP1 08 10 21.8
 Ud iP1 08 10 52.9
 iP2 08 11 05.0
 De iP2 08 11 26.2
 Kamchatka.

" 7 Up iP 08 14 22.6
 Um iP 08 13 54.7
 i 08 14 05.7
 Ud iP 08 14 26.0
 Kamchatka (h = N).

" 7 Up iPKP1 08 17 56.9
 i 08 18 12.3
 micr sec
 PKP1 Z' 0.1 0.6
 Sk iPKP1 08 17 50.0
 Um iPKP1 08 17 45.1
 Ud iPKP1 08 17 59.2
 i 08 18 13.2
 De iPKP1 08 18 07.9
 i 08 18 22.3
 Kermadec Islands (h = N).

" 7 Um iP 09 04 13.2
 Japan (h = 50 km).

" 7 Ud iP 09 08 02.6
 Ryukyu Islands (h = 70 km).

" 7 Ki iP 10 30 29.3

" 7 Up iP 10 56 59.5
 micr sec
 P Z' 0.2 1.1
 Ki iP 10 56 07.0
 micr sec
 P Z' 0.1 1.0
 Um iP 10 56 32.1
 Ud iP 10 57 03.9
 Kamchatka (h = N).
 m = 6.0 (Up,Ki).

" 7 Ki iP 10 59 50.9

" 7 Ki iP 13 08 01.8
 Kamchatka (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skulstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 7 Up iP 13 20 41.5
Ki iP 13 20 43.9
Ud iP 13 20 54.0
Sumatra (h = 55 km).

" 7 Up iP 13 47 34.4
micr sec
P Z' 0.2 1.2
Ki iP 13 46 41.7
micr sec
P Z' 0.2 1.1
Sk iP 13 47 18.8
Um iP 13 47 06.7
Ud iP 13 47 38.1
Kamchatka (h = 60 km).
m = 6.1 (Up,Ki).

" 7 Ki iP 18 43 30.6
Ud iP 18 44 08.0
i 18 44 25.1
Ryukyu Islands (h = 60 km).

" 7 Up iP 23 44 59.4 C
iS 23 53 36
micr sec
P Z' 1.0 1.0
Mx E 6.6 16
Mx N 15 16
Mx Z 24 18
Ki iP 23 44 06.5 C
micr sec
P Z' 0.8 1.0
Mx E 8.5 14
Mx N 8.7 14
Mx Z 11 16
Sk iP 23 44 43.0 C
Um iP 23 44 31.5 C
iS 23 52 45
Ud iP 23 45 03.1 C
De iP 23 45 23.9 C
Kamchatka (h = N).
m = 6.8, M = 6.2 (Up,Ki).

" 8 Up iP 00 29 51.4
Ki iP 00 28 58.7
Um iP 00 29 23.9
Ud iP 00 29 54.8
Kamchatka (h = N).

" 8 Ki iP 03 44 11.7
Ud iP 03 45 08.2
Kamchatka (h = N).

" 8 Up iP 06 32 46.5
Ki iP 06 32 55.0
(cont.)

1976

Jan. 8 (cont.)
Sk iP 06 33 12.2
Um iP 06 32 44.8
Ud iP 06 33 03.1
Hindu Kush (h = 120 km).

" 8 Up iP 10 41 17.4
i 10 41 22.9
i 10 41 34.7
micr sec
P Z' 0.1 1.0
i Z' 1.2 1.3
Mx E 2.5 15
Mx N 4.2 15
Mx Z 11 18
Ki iP 10 40 27.3
i 10 40 30.6
i 10 40 39.7
micr sec
P Z' 0.6 1.1
Mx E 3.4 14
Mx N 4.0 17
Mx Z 4.8 17
Sk iP 10 41 06.6
Um iP 10 40 52.1
i 10 40 55.9
Ud iP 10 41 24.2
i 10 41 27.4
i 10 41 37.4
De eP 10 41 46
i 10 41 47.9
i 10 41 57.8
Kamchatka (h = N).
m = 6.7, M = 5.8 (Up,Ki).

" 8 Ki iP 14 29 37.7
Um iP 14 30 02.5
Ud iP 14 30 34.2
Kamchatka (h = N).

" 8 Up iP 16 00 49.0 C
i 16 01 00.8
micr sec
P Z' 0.5 1.1
Ki iP 15 59 56.6 C
i 16 00 08.2
micr sec
P Z' 0.4 1.1
Mx E 2.5 16
Mx N 3.0 15
Sk iP 16 00 32.9
Um iP 16 00 21.3 C
i 16 00 32.8
Ud iP 16 00 53.1
De iP 16 01 13.9
Kamchatka (h = N).
m = 6.5 (Up,Ki).

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 8 Ki iP 19 42 23.9

" 8 Up iP 22 42 48.9
Ki iP 22 42 55.0
Sk iP 22 43 13.5
Um iP 22 42 46.9
Ud iP 22 43 05.7
Kashmir-India (h = N).

" 9 Ki iP 01 29 55.2
Um iP 01 30 19.4
Ud eP 01 30 53
Kamchatka (h = N).

" 9 Ki iP 03 50 16.9
i 03 50 19.8
i 03 50 26.9
iS 03 52 53.8
micr sec
P Z' 0.1 1.1
i Z' 0.2 1.4
Um iP 03 50 38.9
Ud iP 03 50 31.4
Iceland (h = N).

" 9 Ki iS 06 15 21.5
Um iP 06 13 07.2
Iceland (h = 10 km).

" 9 Ki iP 06 48 49.5
iS 06 51 24.9
micr sec
P Z' 0.2 1.5
Um iP 06 49 08.6
Iceland (h = N).

" 9 √ Up iP 21 45 37.8
Ki iP 21 45 34.9
micr sec
P Z' 0.2 1.0
Sk iP 21 45 49.8
Um iP 21 45 34.0
Ud iP 21 45 46.8
De iP 21 45 46.1
Java (h = 100 km).

" 10 Up ePKP 00 13 27
iPP 00 15 44.0
iSKP1 00 16 36.5
micr sec
SKP1 Z' 3.0 2.4
Ki iP 00 13 11.8
micr sec
PKP Z' 0.2 0.9
Um iP 00 13 16.4
(cont.)

1976

Jan. 10 (cont.)

Um i 00 13 19.8
ipPKP 00 14 04.4
iSKP1 00 16 24.3
Ud iP 00 13 28.7
iPP 00 15 53.0
iSKP1 00 16 40.9
De iP 00 13 36.7
iSKP1 00 16 50.3

New Hebrides Islands.
h = 170 km (Um).

" 10 Up iP 03 48 00.7
micr sec
P Z' 0.1 1.1
Ki iP 03 47 07.5
micr sec
P Z' 0.1 0.9
Sk iP 03 47 44.3
Um iP 03 47 32.0
Ud iP 03 48 03.8
De iP 03 48 25.2
Kamchatka (h = N).
m = 5.9 (Up, Ki).

" 10 Ud iP 07 16 44.1
De iP 07 16 07.9
Dodecanese Islands (h = 30 km).

" 10 √ Up eP2 09 10 13
iP2 09 10 17.9
ipP 09 10 21.6
micr sec
P2 Z' 0.1 1.1
pP Z' 0.2 1.0
Mx E 2.2 27
Mx N 3.0 32

√ Ki iP1 09 09 31.9
iP2 09 09 37.3
ipP 09 09 40.2
micr sec
P2 Z' 0.1 1.0
pP Z' 0.2 1.5
Mx E 2.2 16
Mx N 1.6 21

Sk iP2 09 09 51.0
ipP 09 09 54.8
Um iP2 09 09 59.3
ipP 09 10 02.8
iS 09 19 05
Ud iP1 09 10 11.1
iP2 09 10 16.1
ipP 09 10 20.1
De eP1 09 10 28
ipP 09 10 34.3
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skelstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	14	Up	iP	15 41 06.1	Jan.	14	Up	iP	16 24 33.5
				micr sec					
			P	Z' 0.1 0.9	"	14	Up	iPKP1	16 26 40.1
		Ki	iP	15 40 31.9					micr sec
				micr sec				PKP1	Z' 0.2 1.0
			P	Z' 0.1 0.9			Sk	iPKP1	16 26 32.3
		Sk	iP	15 41 03.2				i	16 26 43.0
		Um	iP	15 40 46.5 C			Um	iPKP1	16 26 28.1
		Ud	iP	15 41 13.7 C			Ud	iPKP1	16 26 40.3
		De	iP	15 41 26.7			De	iPKP1	16 26 48.6
		Japan (h = 410 km).						i	16 27 01.0
		m = 5.4 (Up,Ki).					Kermadec Islands.		
"	14	Ud	iP	16 13 27.8	"	14	Up	iX	16 28 08.0
								i	16 28 16.2
"	14	Up	iPKP1	16 14 00.6					micr sec
		Sk	iPKP1	16 13 52.8			X	Z' 0.6 1.5	
		Ud	iPKP1	16 14 02.0			i	Z' 0.6 1.4	
		De	iPKP1	16 14 22.6			Sk	iPKP1	16 27 53.4
"	14	Ki	iPKP	16 15 35.5				i	16 28 04.1
		Um	iPKP	16 15 43.0			Um	iPKP1	16 27 50.9
		Tonga Islands (h = N).						i	16 28 00.6
"	14	Up	iPdiff	16 14 06			Ud	iPKP1	16 28 02.7
			iPKP1	16 16 08.6				iX	16 28 11.9
			i	16 16 13.4			De	iPKP1	16 28 09.6
			i	16 16 21.5			Kermadec Islands.		
				micr sec	"	14	Up	iP	16 30 00.2
			PKP1	Z' 0.1 0.9			Sk	iPKP1	16 29 54.6
			i	Z' 0.3 0.9			Ud	iPKP1	16 30 04.0
			i	Z' 5.6 1.2			De	iPKP1	16 30 11.4
			Mx	E 164 20			Kermadec Islands.		
			Mx	N 179 22	"	14	Up	iPKP1	16 31 48.3
		✓ Ki	iPKP1	16 15 51.7					micr sec
			i	16 16 00.6				PKP1	Z' 0.8 1.4
			i	16 16 08.7			Sk	iPKP1	16 31 41.2
			i	16 16 38.9			Um	iPKP1	16 31 36.2
			iSKP	16 19 44.5			Ud	iPKP1	16 31 49.9
				micr sec			De	iPKP1	16 31 56.4
			PKP1	Z' 0.2 0.9			Kermadec Islands.		
			i	Z' 0.4 1.0	"	14	Ud	iPKP1	16 36 51.1
			i	Z' 1.6 1.4			De	iPKP1	16 36 59.9
		Sk	iPKP1	16 16 00.4			Kermadec Islands.		
			i	16 16 06.0	"	14	Sk	iPKP1	16 40 52.4
			i	16 16 13.5			Kermadec Islands.		
		Um	iPKP1	16 15 55.9	"	14	Sk	ePKP1	16 42 38
			i	16 16 01.0			Kermadec Islands.		
			i	16 16 08.9	"	14	Sk	ePKP1	16 42 38
		Ud	iPKP1	16 16 10.4			Kermadec Islands.		
		De	iPKP1	16 16 18.6	"	14	Up	iPKP1	16 45 22.9
			i	16 16 23.6			Sk	iPKP1	16 45 15.3
		Kermadec Islands (h = 70 km).						i	16 45 28.6
		M = 8.0 (Wiechert Up).					Um	iPKP1	16 45 10.3
		Multiple event with					Ud	iPKP1	16 45 24.4
		successively increasing					De	iPKP1	16 45 33.5
		amplitudes.							

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 14 Up iPKP1 16 46 51.0
Ud iPKP1 16 46 52.9
De iPKP1 16 47 01.2
Kermadec Islands.

" 14 Sk iPKP1 16 47 38.0
Um iPKP1 16 47 32.9
Ud iPKP1 16 47 46.6
De iPKP1 16 47 54.1
Kermadec Islands.

" 14 Up ePKP1 16 50 20
Sk iPKP1 16 50 12.4
Ud iPKP1 16 50 21.0
De iPKP1 16 50 30.0
Kermadec Islands.

" 14 Sk iPKP1 17 04 20.4
i 17 04 30.4
Ud iPKP1 17 04 28.9
De iPKP1 17 04 37.6
Kermadec Islands.

" 14 ✓ Up iPKP1 17 07 10.5
i 17 07 12.7
i 17 07 18.5
iPP 17 10 51.8
micr sec
PKP1 Z' 0.1 0.7
i Z' 0.2 0.8
i Z' 2.9 1.1
Mx E 64 20
Mx N 139 22
Ki iPKP 17 06 54.1
micr sec
PKP Z' 0.2 1.0
Sk iPKP1 17 07 03.0
i 17 07 10.9
Um i(PKP) 17 06 57.8
i 17 07 05.7
Ud iPKP1 17 07 12.4
i 17 07 14.3
i 17 07 19.6
De iPKP1 17 07 20.0
Kermadec Islands (h = N).
M = 7.8 (Wiechert Up).

" 14 Up iPKP1 17 14 28.6
i 17 14 34.4
micr sec
PKP1 Z' 0.1 0.9
i Z' 0.1 0.8
Sk iPKP1 17 14 21.4
Ud iPKP1 17 14 29.8
De iPKP1 17 14 39.6
Kermadec Islands.

1976

Jan. 14 Up iPKP1 17 20 58.5
i 17 21 03.6
Sk iPKP1 17 20 53.4
i 17 21 04.6
Ud iPKP1 17 21 00.8
De iPKP1 17 21 08.3
Kermadec Islands.

" 14 Up iPKP1 17 23 09.8
micr sec
PKP1 Z' 0.1 0.9
Sk iPKP1 17 23 02.6
i 17 23 15.3
Um iPKP1 17 22 57.9
Ud iPKP1 17 23 11.4
De iPKP1 17 23 20.4
i 17 23 31.8
Kermadec Islands.

" 14 Up iPKP1 17 26 16.7
Ud iPKP1 17 26 18.9
Kermadec Islands.

" 14 Up iPKP1 17 30 21.6
i 17 30 30.5
Sk iPKP1 17 30 13.9
i 17 30 25.0
Um iPKP1 17 30 07.4
Ud iPKP1 17 30 23.2
i 17 30 32.7
Kermadec Islands.

" 14 Up iPKP1 17 31 22.2
Sk iPKP1 17 31 14.0
Um iPKP1 17 31 10.2
Ud iPKP1 17 31 23.9
De iPKP1 17 31 33.3
Kermadec Islands.

" 14 Up i 17 35 26.7
Sk iPKP1 17 35 14.4
Ud iPKP1 17 35 23.3
i 17 35 31.7
Kermadec Islands.

" 14 Sk iPKP1 17 37 41.2
Um iPKP1 17 37 37.0
Ud iPKP1 17 37 49.8
Kermadec Islands.

" 14 Up iPKP 17 38 13.4
Ud iPKP 17 38 14.0

" 14 Up iPKP1 17 39 47.0
i 17 39 58.1

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Jan.	14	(cont.)		Jan.	14	(cont.)		
		Up	micr sec			Ud	iPKP1 18 05 01.9	
		i	Z' 0.1 1.1			De	iPKP1 18 05 09.0	
		Sk	iPKP1 17 39 39.3			i	18 05 22.2	
		Um	iPKP1 17 39 35.3			Kermadec Islands (h = N).		
		Ud	iPKP1 17 39 48.7		"	14	Up	
		De	iPKP1 17 39 56.9				iPKP1 18 08 19.0	
		Kermadec Islands.					i 18 08 23.4	
"	14	Up	i 17 43 06.3				micr sec	
		Ud	iPKP1 17 43 04.8				PKP1 Z' 0.1 1.0	
		De	iPKP1 17 43 12.6				i Z' 0.2 0.9	
		Kermadec Islands.					Ki iPKP 18 08 02.3	
"	14	Up	iPKP1 17 47 23.8				Sk iPKP1 18 08 11.8	
		Sk	iPKP1 17 47 16.9				Um iPKP1 18 08 06.5	
		Um	iPKP1 17 47 12.8				Ud iPKP1 18 08 20.6	
		Ud	iPKP1 17 47 25.5				i 18 08 24.6	
		Kermadec Islands.					De iPKP1 18 08 29.6	
"	14	Sk	iPKP1 17 57 19.1				Kermadec Islands.	
		Ud	iPKP1 17 57 28.8		"	14	Up	iPKP1 18 12 34.4
		Kermadec Islands.					Sk iPKP1 18 12 27.1	
"	14	Up	iPKP 17 58 56.5				Ud iPKP1 18 12 35.7	
		i	17 59 00.7				Kermadec Islands.	
			micr sec		"	14	Sk	iP 18 16 08.7
		PKP	Z' 0.1 0.6				Up	iPKP1 18 17 39.0
		Sk	iPKP1 17 58 48.6				micr sec	
		Um	iPKP1 17 58 45.9				PKP1 Z' 0.1 1.0	
		Ud	iPKP1 17 58 58.2				Ki ePKP 18 17 22	
		i	17 59 08.6				Sk iPKP1 18 17 30.7	
		De	iPKP1 17 59 06.6				Um iPKP1 18 17 26.4	
		Kermadec Islands.					Ud iPKP1 18 17 40.5	
"	14	Up	iPKP1 18 02 04.6				De iPKP1 18 17 49.2	
		Ud	iPKP1 18 02 06.5				Kermadec Islands.	
		Kermadec Islands.			"	14	Sk	iPKP1 18 23 39.2
"	14	Up	iPKP1 18 04 02.2				Ud	iPKP1 18 23 47.4
		Sk	ePKP1 18 03 55				De	iPKP1 18 23 55.9
		De	iPKP1 18 04 11.8				Kermadec Islands.	
		Kermadec Islands.			"	14	Sk	iPKP1 18 26 28.4
"	14	Up	iPKP1 18 04 59.2				Ud	ePKP1 18 26 40
		i	18 05 12.3				Kermadec Islands.	
			micr sec		"	14	Ud	iP 18 32 31.6
		PKP	Z' 0.1 0.9				Up	i 18 35 22.1
		i	Z' 0.7 1.1				Sk	ePKP1 18 35 06.3
		Ki	iPKP1 18 04 38.6				Ud	iPKP1 18 35 15.7
		iPKP	18 04 43.5				Kermadec Islands.	
		Sk	iPKP1 18 04 52.7		"	14	Up	iPKP1 18 36 40.2
		i	18 05 05.6				micr sec	
		Um	iPKP1 18 04 47.5				PKP1 Z' 0.2 0.8	
		Ud	iPKP 18 04 58.0				(cont.)	
		(cont.)					(cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan.	14	(cont.)			
		Ki	iPKP1	18 36	18.8
			iPKP	18 36	22.9
		Sk	iPKP1	18 36	33.5
		Um	iPKP1	18 36	28.5
			i	18 36	37.9
		Ud	iPKP	18 36	40.1
			iPKP1	18 36	42.6
		De	iPKP1	18 36	51.4
		Kermadec Islands.			
"	14	Sk	iPKP1	18 45	48.9
		Ud	ePKP1	18 45	59
		Kermadec Islands.			
"	14	Up	i	18 47	49.3
			iX	18 47	59.0
		Sk	iPKP1	18 47	33.6
			i	18 47	39.3
		Um	ePKP1	18 47	30
		Ud	iPKP1	18 47	42.7
			iX	18 48	00.3
		De	iX	18 48	10.0
		Kermadec Islands.			
"	14	Up	iPKP1	18 50	44.6
		Ud	iPKP1	18 50	45.6
		Kermadec Islands.			
"	14	Up	iPKP1	18 54	15.0
		Sk	iPKP1	18 54	07.9
		Ud	iPKP1	18 54	17.3
		Kermadec Islands.			
"	14	Up	iPKP1	18 54	28.9
				micr sec	
			PKP1	Z' 0.3	1.0
		Ki	ePKP	18 54	16
		Sk	iPKP1	18 54	21.2
		Um	iPKP1	18 54	16.9
			i	18 54	25.0
		Ud	iPKP1	18 54	30.4
		De	iPKP1	18 54	39.9
		Kermadec Islands (h = 35 km).			
"	14	Ud	iP	18 58	57.0
			i	18 59	12.9
"	14	Up	ePKP1	19 04	14
		Ud	iPKP1	19 04	15.2
		Kermadec Islands.			
"	14	Up	iPKP	19 10	06.2
			iPKP1	19 10	08.4
		(cont.)			

1976

Jan.	14	(cont.)			
		Up			micr sec
			PKP1	Z' 0.3	1.3
		Ki	ePKP1	19 09	47
			i	19 10	05.9
		Sk	iPKP1	19 10	01.4
			i	19 10	12.1
		Um	iPKP1	19 09	56.9
			i	19 10	06.7
		Ud	iPKP	19 10	07.2
			iPKP1	19 10	10.7
			i	19 10	22.3
		De	iPKP1	19 10	18.9
		Kermadec Islands (h = N).			
"	14	Up	i	19 13	48.3
		Sk	iPKP1	19 13	34.4
		Um	i	19 13	37.5
		Ud	iPKP1	19 13	43.2
		Kermadec Islands.			
"	14	Sk	iPKP1	19 17	49.6
		Um	ePKP1	19 17	46
		Ud	ePKP1	19 17	59
		Kermadec Islands.			
"	14	Up	iPKP1	19 19	44.9
			i	19 20	01.6
				micr sec	
			i	Z' 0.1	1.1
		Sk	iPKP1	19 19	37.3
			i	19 19	53.5
		Um	iPKP1	19 19	32.3
		Ud	iPKP1	19 19	46.3
			i	19 20	02.7
		De	iPKP1	19 19	55.0
		Kermadec Islands.			
"	14	Up	iX1	19 22	21.3
			iX2	19 22	32.2
		Sk	iPKP1	19 22	11.0
		Um	iX1	19 22	10.5
		Ud	iPKP1	19 22	20.7
		De	iX2	19 22	40.1
		Kermadec Islands.			
"	14	Up	iPKP1	19 41	32.7
				micr sec	
			PKP1	Z' 0.1	1.0
		Ki	ePKP	19 41	15
		Sk	iPKP1	19 41	25.1
		Um	iPKP1	19 41	20.8
		Ud	iPKP1	19 41	33.7
		De	iPKP1	19 41	41.2
		Kermadec Islands.			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 14 Ud iP 19 47 04.7
i 19 47 06.2

" 14 Ud iP 19 56 01.7

" 14 Ud iP 20 06 03.8

" 14 Up iPKP1 20 07 02.6
micr sec
PKP1 Z' 0.1 1.0
Ki ePKP1 20 06 42
Sk iPKP1 20 06 55.7
Um iPKP1 20 06 50.4
Ud iPKP1 20 07 04.7
De iPKP1 20 07 13.1
Kermadec Islands (h = N).

" 14 Up iPKP1 20 10 12.4
Sk iPKP1 20 10 04.2
Um iPKP1 20 09 58.0
i 20 10 08.8
Ud iPKP1 20 10 14.3
i 20 10 24.9
De iPKP1 20 10 23.7
Kermadec Islands.

" 14 Ud iP 20 23 11.3
i 20 23 24.3

" 14 Up iPKP2 20 27 38.5
Sk iPKP1 20 27 28.0
Ud iPKP1 20 27 38.0
De iPKP1 20 27 46.6
Kermadec Islands.

" 14 Up iPKP1 20 30 08.8
micr sec
PKP1 Z' 0.1 1.1
Ki ePKP1 20 29 47
Sk iPKP1 20 30 01.7
Um iPKP1 20 29 55.5
i 20 30 05.2
Ud iPKP1 20 30 10.0
De iPKP1 20 30 18.4
Kermadec Islands (h = N).

" 14 Up iPKP1 20 40 15.6
micr sec
PKP1 Z' 0.1 0.9
Ki iPKP1 20 39 50.4
Sk iPKP1 20 40 08.2
Um iPKP1 20 40 02.9
Ud iPKP1 20 40 17.7
De iPKP1 20 40 26.3
Kermadec Islands (h = N).

1976

Jan. 14 Sk ePKP1 20 46 31
Ud iPKP1 20 46 40.3
Kermadec Islands.

" 14 Ud iP 20 50 57.3

" 14 Up iPKP1 21 10 56.7
Sk iPKP1 21 10 50.6
Um iPKP1 21 10 43.8
Ud iPKP1 21 10 58.2
i 21 11 11.0
i 21 11 25.5
De iPKP1 21 11 07.6
Kermadec Islands (h = N).

" 14 Ud iP 21 14 56.1

" 14 Up iPKP 21 15 42.4
Ud iPKP 21 15 46.6
Kermadec Islands.

" 14 Ud iPKP1 21 19 00.1
De ePKP1 21 19 10
Kermadec Islands.

" 14 Up iPKP2 21 51 14.4
i 21 51 23.6
Sk iPKP1 21 51 01.3
Um iPKP1 21 50 58.5
Ud iPKP1 21 51 12.5
De iPKP1 21 51 21.4
Kermadec Islands (h = N).

" 14 Up iPKP1 21 53 02.2
Sk i 21 53 08.0
Um iPKP1 21 52 50.9
Ud iPKP1 21 53 04.6
Kermadec Islands.

" 14 Um i 21 55 17.2
Ud iP 21 55 43.9
Japan (h = 50 km).

" 14 Ud iPKP1 21 57 24.9
De iPKP1 21 57 34.7
Kermadec Islands.

" 14 Up iPKP1 22 04 28.3
micr sec
PKP1 Z' 0.1 1.0
Sk iPKP1 22 04 23.0
Um iPKP1 22 04 17.5
Ud iPKP1 22 04 30.6
De iPKP1 22 04 40.7
Kermadec Islands.

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976						
Jan.	15	Up	il	00 48 18.8	Jan.	15	(cont.)			
		Sk	ePKP1	00 48 05			Sk	iPKP1	01 53 41.9	
		Um	iPKP1	00 47 57.9			Um	iPKP1	01 53 37.3	
		Ud	iPKP1	00 48 11.8			Ud	iPKP1	01 53 51.9	
			il	00 48 20.8			Kermadec Islands.			
		De	il	00 48 29.1		"	15	Up	iPKP1	02 14 29.4
		Kermadec Islands.								micr sec
"	15	Up	iPKP1	01 05 38.0				PKP1	Z'	0.3 1.5
			i	01 05 58.6			Sk	iPKP1	02 14 23.0	
				micr sec			Um	iPKP1	02 14 17.3	
			i	Z' 0.2 1.2			Ud	iPKP1	02 14 31.6	
			Mx	E 1.2 20			De	iPKP1	02 14 40.7	
			Mx	N 2.1 20			Kermadec Islands (h = N).			
			Mx	Z 4.3 21		"	15	Up	iPKP1	02 16 11.1
		Ki		micr sec				Sk	iPKP1	02 16 02.0
			Mx	E 1.1 20				Um	iPKP1	02 15 59.8
			Mx	N 1.1 20				Ud	iPKP1	02 16 13.4
		Sk	iPKP1	01 05 31.5				De	iPKP1	02 16 19.5
		Um	iPKP1	01 05 26.5			Kermadec Islands.			
		Ud	iPKP1	01 05 40.9		"	15	Up	iPKP1	02 19 50.6
			iPKP2	01 05 44.0				i		02 20 07.9
		De	iPKP2	01 05 54.1						micr sec
			i	01 06 04.7				i	Z'	0.1 1.0
		Kermadec Islands (h = N).						Mx	N 2.7 19	
		M = 5.9 (Up,Ki).						Mx	Z 3.4 18	
"	15	Sk	iPKP1	01 20 36.9			Ki			micr sec
		Um	iPKP1	01 20 32.9				Mx	N 2.3 19	
		Ud	iPKP1	01 20 45.9				Mx	Z 1.7 19	
		De	iPKP1	01 20 54.8			Sk	iPKP1	02 19 43.9	
		Kermadec Islands.					Um	iPKP1	02 19 39.3	
"	15	Sk	ePKP1	01 22 42				i		02 19 53.5
		Um	ePKP1	01 22 39			Ud	iPKP1	02 19 53.6	
		Ud	iPKP1	01 22 50.7				i		02 20 08.3
		De	iPKP1	01 22 58.3			De	iPKP1	02 20 02.3	
		Kermadec Islands.						i		02 20 14.0
"	15	Up	iPKP1	01 36 29.8			Kermadec Islands (h = N).			
		Sk	iPKP1	01 36 22.1			M = 6.1 (Up,Ki).			
		Um	iPKP	01 36 17.1		"	15	Sk	iPKP1	02 22 44.8
		Ud	iPKP1	01 36 31.6				Um	ePKP1	02 22 40
		De	iPKP1	01 36 41.0			Kermadec Islands.			
		Kermadec Islands.				"	15	Up	iPKP1	02 24 53.2
"	15	Up	ePKP1	01 43 12				i		02 25 08.3
		Sk	iPKP1	01 43 03.5			Sk	iPKP1	02 24 43.3	
		Um	iPKP1	01 42 58.7			Um	iPKP1	02 24 40.2	
		Ud	iPKP1	01 43 12.6			Ud	iPKP1	02 24 54.9	
		De	iPKP1	01 43 21.3				i		02 25 16.3
		Kermadec Islands.					De	iPKP1	02 25 03.8	
		Kermadec Islands (h = N).				"	15	Up	iPKP1	02 53 28.0
"	15	Up	iPKP	01 53 47.2			(cont.)			
		(cont.)								

Up = Uppåla, Ki = Kiruna, Sk = Skellefteå, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Jan.	15	(cont.)		Jan.	15	Up	iPKP	04 01 29.5
		Sk	iPKP1				i	04 01 33.6
		Um	iPKP1					micr sec
		Ud	iPKP1			Mx	E	2.6 18
		De	iPKP1			Mx	N	1.4 17
			i			Mx	Z	3.1 17
		Kermadec Islands.				Ki		micr sec
"	15	Sk	iPKP1			Mx	E	1.5 16
		Um	iPKP1			Mx	N	4.3 20
		Ud	ePKP1			Mx	Z	4.8 18
		Kermadec Islands.				Sk	iPKP1	04 01 24.8
						Um	iPKP1	04 01 19.3
							i	04 01 20.4
						Ud	iPKP1	04 01 34.0
						De	iPKP1	04 01 43.3
						Kermadec Islands (h = N).		
						M = 6.2 (Up,Ki).		
"	15	Up	i	"	15	Up	iPKP1	04 08 15.7
		Sk	ePKP1				i	04 08 23.3
		Um	i(PKP)					micr sec
		Ud	iPKP1				PKP1	Z' 0.2 0.9
		Kermadec Islands.					Mx	E 2.1 16
							Mx	N 2.5 16
							Mx	Z 2.8 15
						✓ Ki	iPKP	04 07 59.9
								micr sec
							Mx	E 1.6 15
							Mx	N 3.6 20
							Mx	Z 2.2 14
						Sk	iPKP1	04 08 08.2
							i	04 08 18.4
						Um	iPKP1	04 08 03.3
						Ud	iPKP1	04 08 17.0
						De	iPKP1	04 08 25.8
							i	04 08 36.3
						Kermadec Islands (h = N).		
						M = 6.2 (Up,Ki).		
"	15	Up	iPKP1	"	15	Up	iPKP1	04 21 15.0
							i	04 21 23.7
							i	04 21 30.2
								micr sec
							PKP1	Z' 0.1 1.1
						Sk	iPKP1	04 21 06.9
						Um	iPKP1	04 21 01.3
						Ud	iPKP1	04 21 15.0
							i	04 21 35.4
						De	iPKP1	04 21 23.5
							i	04 21 32.6
						Kermadec Islands (h = N).		
"	15	Ud	iP	"	15	Um	iPKP1	04 25 57.1
						Ud	ePKP1	04 26 09
						Kermadec Islands.		
"	15	Up	iPKP1					
		Sk	iPKP1					
		Um	ePKP1					
		Ud	iPKP1					
		Kermadec Islands.						

Up = Uppsala, Ki = Kiruna, Sk = Skelvatagan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 15 Sk iPKP1 10 09 46.7
 Ud i 10 10 05.5
 De i 10 10 12.3
 Kermadec Islands.

" 15 Up iPKP1 10 21 12.4
 i 10 21 19.0
 Sk ePKP1 10 21 04
 Um iPKP1 10 21 01.8
 Ud iPKP1 10 21 14.1
 Kermadec Islands.

" 15 \ Up iPKP1 10 29 30.5
 micr sec
 PKP1 Z' 0.4 1.3
 Ki ePKP1 10 29 15
 Sk iPKP1 10 29 22.8
 Um iPKP1 10 29 18.9
 Ud iPKP1 10 29 32.3 C
 De iPKP 10 29 33.9
 iPKP1 10 29 40.2 C
 Kermadec Islands (h = N).

" 15 Up iPKP1 10 35 28.5
 Sk iPKP1 10 35 23.3
 i 10 35 35.6
 Um iPKP1 10 35 16.1
 Ud iPKP1 10 35 32.5
 De iPKP1 10 35 39.6
 Kermadec Islands (h = 50 km).

" 15 Sk ePKP1 10 37 29
 Ud iPKP1 10 37 39.5
 Kermadec Islands.

" 15 Ud iP 10 47 42.4

" 15 Ki iP 10 48 33.5
 Sk eP 10 48 08
 Iceland (h = 10 km).

" 15 Sk iPKP1 10 51 28.7
 Ud iPKP1 10 51 37.0
 Kermadec Islands.

" 15 Up ePKP1 11 35 24
 Sk iPKP1 11 35 17.0
 Ud iPKP1 11 35 26.4
 De iPKP1 11 35 36.2
 Kermadec Islands (h = N).

" 15 Up iSgl 12 17 04.3
 Sk iSgl 12 16 17.3
 Ud iSn 12 15 36.4
 iSgl 12 15 58.2
 Off coast of southwest Norway,
 60.0° N, 4.5° E.
 (cont.)

1976

Jan. 15 (cont.)
 M_L = 2.5 (Ud).
 Origin time = 12 13 35.
 By combination with Bergen
 and Kongsberg readings.

" 15 Up iPKP1 12 18 49.2
 Sk iPKP1 12 18 42.6
 i 12 18 54.4
 Um iPKP1 12 18 37.2
 Ud iPKP1 12 18 50.7
 De i 12 19 04.8
 Kermadec Islands (h = N).

" 15 Sk ePKP1 12 28 16
 Ud iPKP1 12 28 24.4
 Kermadec Islands (h = N).

" 15 Ud iP 12 48 51.6

" 15 Sk iPKP1 12 51 36.0
 Ud iPKP1 12 51 45.3
 Kermadec Islands (h = N).

" 15 Up iPKP1 13 18 59.5
 micr sec
 PKP1 Z' 0.1 1.3
 Sk iPKP1 13 18 50.9
 Um iPKP1 13 18 47.2
 i 13 19 07.2
 Ud iPKP1 13 19 01.0
 i 13 19 13.6
 De iPKP1 13 19 10.0
 Kermadec Islands (h = N).

" 15 Sk ePKP1 13 21 29
 i 13 21 43.3
 Um iPKP1 13 21 26.4
 Ud iPKP1 13 21 39.6
 i 13 21 56.1
 Kermadec Islands.

" 15 Up iPKP2 13 22 31.6
 Sk iPKP1 13 22 20.0
 Um iPKP1 13 22 14.9
 Ud iPKP1 13 22 29.1
 Kermadec Islands.

" 15 Ud iP 13 24 32.9

" 15 Up iPKP1 13 39 01.4
 Sk iPKP1 13 38 53.9
 Ud iPKP1 13 39 02.9
 De iPKP1 13 39 11.6
 Kermadec Islands.

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 15 Up iPKP1 13 47 38.8
 il 13 47 49.7
 Sk iPKP1 13 47 30.4
 il 13 47 41.8
 Um iPKP1 13 47 26.3
 Ud iPKP1 13 47 40.4
 il 13 47 51.6
 De il 13 48 00.4
 Kermadec Islands.

" 15 Up iPKP1 13 55 23.5
 Sk iPKP1 13 55 15.6
 Ud iPKP1 13 55 24.8
 Kermadec Islands.

" 15 Up iPKP1 14 08 57.4
 i 14 09 06.0
 PKP1 Z' 0.1 0.9
 micr sec
 Sk iPKP1 14 08 49.7
 Um iPKP1 14 08 45.6
 Ud iPKP1 14 08 58.5
 i 14 09 10.3
 De iPKP1 14 09 07.2
 i 14 09 18.5
 Kermadec Islands (h = N).

" 15 Up iPKP1 14 10 02.2
 il 14 10 15.1
 Sk ePKP1 14 09 54
 Um il 14 10 04.0
 Ud iPKP1 14 10 04.0
 il 14 10 16.9
 De iPKP1 14 10 11.9
 il 14 10 26.0
 Kermadec Islands.

" 15 Ki iP 14 31 27.8
 Ud iP 14 31 41.7

" 15 De iP 15 17 08.0

" 15 Sk iPKP1 15 26 54.9
 Ud iPKP1 15 27 04.2
 Kermadec Islands.

" 15 Ud iP 16 26 34.9

" 15 Up iPKP1 16 32 05.8
 i 16 32 20.3
 micr sec
 PKP1 Z' 0.1 1.1
 i Z' 0.2 1.2
 Mx N 1.1 20
 Mx Z 2.6 19

(cont.)

1976

Jan. 15 (cont.)
 Ki ePKP 16 31 50
 micr sec
 Mx E 3.3 19
 Mx N 1.3 19
 Mx Z 3.4 18
 Sk iPKP1 16 31 59.0
 i 16 32 14.5
 Um iPKP1 16 31 53.6
 Ud iPKP1 16 32 07.2
 i 16 32 25.6
 De iPKP1 16 32 15.5
 Kermadec Islands (h = N).
 M = 5.9 (Up,Ki).

" 15 Up iPKP1 16 45 22.8
 Ud iPKP1 16 45 24.9
 i 16 45 35.5
 De i 16 45 42.1
 Kermadec Islands.

" 15 Up iPKP1 17 19 40.7
 Sk ePKP1 17 19 33
 Um iPKP1 17 19 29.9
 Ud iPKP1 17 19 42.8
 De iPKP1 17 19 51.8
 i 17 20 03.5
 Kermadec Islands.

" 15 Up iPKP1 17 41 46.8
 micr sec
 PKP1 Z' 0.1 1.0
 Sk iPKP1 17 41 38.9
 Um iPKP1 17 41 34.4
 Ud iPKP1 17 41 47.9
 De iPKP1 17 41 57.1
 Kermadec Islands (h = N).

" 15 Up i 17 49 06.7
 Sk iPKP1 17 48 52.3
 Um iPKP1 17 48 47.2
 Ud iPKP1 17 49 02.0
 De iPKP1 17 49 10.8
 Kermadec Islands.

" 15 Up iPKP1 17 51 48.7
 De iPKP1 17 51 59.8
 Kermadec Islands.

" 15 Up iPKP1 18 12 40.0
 Sk iPKP1 18 12 31.7
 Um iPKP1 18 12 26.3
 Ud iPKP1 18 12 41.1
 De iPKP1 18 12 49.9
 Kermadec Islands (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
Jan.	15	Um	iPKP1	18 13 45.9	Jan.	15	Up	iPKP2	22 06 44.1
		Ud	iPKP1	18 13 58.0					micr sec
				Kermadec Islands.				PKP2	Z' 0.1 1.0
"	15	Up	iPKP1	18 21 52.5				Mx	N 1.9 18
		Sk	iPKP1	18 21 43.3			Sk	Mx	Z 4.4 23
		Um	iPKP1	18 21 40.0			Ud	il	22 06 41.1
		Ud	iPKP1	18 21 54.0			Ud	iPKP1	22 06 41.2
		De	iPKP1	18 22 03.4				iPKP2	22 06 45.9
				Kermadec Islands (h = N).				il	22 06 51.1
"	15	Up	iP	18 32 18.3			De	iPKP1	22 06 49.4
		Um	iP	18 31 58.2				il	22 07 00.3
			i	18 32 07.4	"	15	Up	iPKP1	22 09 18.9
		Ud	iP	18 32 26.4					micr sec
"	15	Up	il	18 42 22.2				PKP1	Z' 0.1 1.1
		Sk	ePKP1	18 42 06			Sk	iPKP1	22 09 10.7
		Um	ePKP1	18 42 03				il	22 09 22.0
		Ud	iPKP1	18 42 15.0			Um	iPKP1	22 09 05.3
			il	18 42 23.9			Ud	iPKP1	22 09 20.2
		De	il	18 42 32.7				il	22 09 30.9
				Kermadec Islands (h = N).			De	il	22 09 38.4
"	15	Ud	iP	18 59 04.2					Kermadec Islands.
"	15	Ud	iP	19 42 46.1	"	15	Up	iPKP1	22 16 03.4
"	15	Up	iPKP1	19 45 05.9			Sk	ePKP1	22 15 54
				micr sec			Ud	iPKP1	22 16 04.7
			PKP1	Z' 0.1 1.0					Kermadec Islands.
		Sk	iPKP1	19 44 58.3	"	15	Ki	iP	22 28 29.5
			i	19 45 08.7	"	15	Up	iP	22 44 55.8
		Um	ePKP2	19 44 58			Sk	eP	22 44 49
		Ud	iPKP2	19 45 10.9			Um	iP	22 44 36.9
			i	19 45 21.1			Ud	iP	22 45 02.9
		De	iPKP1	19 45 12.9					Bonin Islands (h = N).
				Kermadec Islands (h = N).	"	15	Ud	iP	23 11 04.4
"	15	Ud	iPKP	19 50 45.5	"	15	Up	iPKP1	23 36 48.6
		De	iPKP	19 50 57.6			Ud	iPKP1	23 36 50.8
"	15	De	iP	20 04 30.1				il	23 36 57.6
"	15	Ud	iPKP1	20 10 00.6			De	il	23 37 04.5
		De	iPKP1	20 10 09.6					Kermadec Islands.
				Kermadec Islands (h = N).	"	16	Up	iPKP1	00 40 34.1
"	15	Um	iP	20 23 49.1			Sk	i(PKP)	00 40 24.6
"	15	Um	iP	21 22 19.4			Ud	iPKP1	00 40 35.9
"	15	Sk	ePKP1	21 34 19			De	iPKP1	00 40 45.0
		Ud	iPKP1	21 34 27.2					Kermadec Islands (h = 25 km).
				Kermadec Islands.	"	16	Ud	iP	00 57 00.9
"	15	Ud	eP	01 06 50	"	16	Ud	eP	01 06 50
"	15	Up	iP	02 21 17.3	"	16	Up	iP	02 21 17.3
			i	02 21 47.8				i	02 21 47.8

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	16	Um	iPKP1	03 10 05.6	Jan.	16	Ud	iP	10 52 21.8
		Ud	iPKP1	03 10 19.0			Tadzhik SSR (h = 35 km).		
		Kermadec Islands.			"	16	Up	iPKP1	11 04 49.6 C
"	16	Up	il	03 12 59.5			Ki	iSKP1	11 07 24.8
		Sk	iPKP1	03 12 40.1			Um	iSKP1	11 07 35.7
		Um	iPKP1	03 12 35.4			Ud	iPKP1	11 04 52.2 C
		Ud	iPKP1	03 12 49.1			De	iPKP1	11 05 02.3 C
			il	03 13 00.1			Tonga-Kermadec Islands		
		De	i	03 13 02.1			(h = 490 km).		
			il	03 13 09.9	"	16	Ki	iPKP	11 13 34.2
		Kermadec Islands.					Um	iPKP	11 13 40.1
"	16	Um	iP	03 19 30.4			Ud	iPKP	11 13 49.0
"	16	Up	iPKP1	04 31 02.1			De	i(PKP)	11 13 47.5
				micr sec			Loyalty Islands (h = N).		
			PKP1	Z' 0.1 1.0	"	16	Ud	iP	12 15 20.7
		Sk	iPKP1	04 30 55.4	"	16	Up	iPKP1	12 20 33.7
		Um	iPKP1	04 30 50.4			Sk	iPKP1	12 20 25.9
		Ud	iPKP1	04 31 03.6			Um	iPKP1	12 20 20.8
			i	04 31 08.3			Ud	iPKP1	12 20 34.6
		De	iPKP1	04 31 12.4				il	12 20 38.7
		Kermadec Islands (h = N).					De	el	12 20 49
"	16	Up	iP	05 43 26.6			Kermadec Islands.		
		Ki	iP	05 44 05.8	"	16	Up	iPKP2	12 23 29.9
		Sk	iP	05 44 02.4			Sk	i(PKP)	12 23 16.8
		Um	iP	05 43 42.7			Ud	iPKP1	12 23 29.9
		Ud	iP	05 43 41.6			Kermadec Islands.		
		De	iP	05 43 24.9	"	16	Up	iPKP1	13 15 17.1
		Iran (h = 30 km).							micr sec
"	16	Up	iPKP1	05 56 49.4				PKP1	Z' 0.1 1.0
				micr sec			Sk	iPKP1	13 15 09.7
			PKP1	Z' 0.1 1.1			Um	iPKP1	13 15 04.2
		Sk	iPKP1	05 56 41.4			Ud	iPKP1	13 15 18.7
		Ud	iPKP1	05 56 50.4				i	13 15 22.9
		De	iPKP1	05 56 59.2			De	iPKP1	13 15 27.3
		Kermadec Islands.					Kermadec Islands (h = N).		
"	16	Up	iP	08 42 58.6 C	"	16	Up	iPKP1	13 38 56.9
				micr sec				i	13 39 00.2
			P	Z' 0.2 1.1				i	13 39 09.3
		Ki	iP	08 42 06.1 C					micr sec
				micr sec				i	Z' 0.1 1.0
			P	Z' 0.2 1.0			Sk	ePKP1	13 38 50
		Um	iP	08 42 31.1 C			Um	iPKP1	13 38 45.8
		Ud	iP	08 43 02.7			Ud	iPKP1	13 38 59.1
		De	iP	08 43 23.6			Kermadec Islands (h = N).		
		Kamchatka (h = 60 km).			"	16	Up	iPKP1	14 25 32.0
		m = 6.1 (Up,Ki).					Sk	i	14 25 32.3
"	16	Up	iPKP1	09 14 17.0			Um	iPKP1	14 25 21.0
		Kermadec Islands (h = N).					(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Jan.	16	(cont.)		Jan.	16	(cont.)	
		Ud	iPKP1 14 25 33.1			Up	micr sec
			Kermadec Islands.			PKP1	Z' 0.3 1.4
						i	Z' 0.3 1.0
"	16	Up	iPKP1 15 22 22.2			Ki	iPKP1 22 05 43.5
		Um	iPKP1 15 22 10.2			Sk	iPKP1 22 05 57.2
		Ud	iPKP1 15 22 23.9			Um	iPKP1 22 05 51.6
		De	i 15 22 38.7			Ud	iPKP1 22 06 05.4
			Kermadec Islands.			i	22 06 11.8
						De	iPKP1 22 06 13.0
						i	22 06 21.7
"	16	Up	iPKP1 15 42 47.6				Kermadec Islands (h = N).
		Sk	iPKP1 15 42 40.8	"	16	Ud	iP 22 42 08.8
		Um	iPKP1 15 42 35.7				Kurile Islands (h = N).
		Ud	iPKP1 15 42 48.7	"	16	Up	iPKP1 23 51 48.9 C
		De	iPKP1 15 43 07.9				micr sec
			Kermadec Islands (h = N).			PKP1	Z' 0.4 1.0
"	16	Up	iPKP1 15 47 51.9			Ki	iPKP1 23 51 26.5
			micr sec			iPKP1	23 51 31.9
			PKP1 Z' 0.1 0.9			Sk	iPKP1 23 51 42.1 C
		Sk	iPKP2 15 47 46.6			Um	iPKP1 23 51 37.0 C
		Um	iPKP1 15 47 39.2			Ud	iPKP1 23 51 50.8 C
		Ud	iPKP2 15 47 56.1			De	iPKP1 23 51 59.6
		De	ePKP1 15 48 04				Kermadec Islands (h = 50 km).
			i 15 48 14.6	"	17	Ud	iP 00 12 40.0
			Kermadec Islands (h = N).	"	17	Up	i(P) 01 16 42.7
"	16	Um	iP 16 01 24.5	"	17	Up	iP 02 33 06.3
			Japan (h = 70 km).			i	02 33 11.0
"	16	Up	iPKP1 16 45 06.9			Ud	iP 02 33 03.1
			i 16 45 14.2			i	02 33 11.0
		De	iPKP1 16 45 18.1	"	17	Ki	iP 02 48 12.9
			Kermadec Islands (h = N).			Um	iP 02 48 27.4
"	16	Up	iPKP1 17 17 39.2				Iceland (h = 10 km).
		Sk	iPKP1 17 17 31.0	"	17	Up	iPKP1 03 45 51.5
		Ud	iPKP1 17 17 40.1			Sk	ePKP1 03 45 42
			Kermadec Islands.			Ud	iPKP1 03 45 52.3
"	16	Ki	iP 17 17 54.1				Kermadec Islands (h = 30 km).
		Um	iP 17 17 44.9	"	17	Up	ePKP1 04 45 10
		Ud	iP 17 18 04.5			Ud	iPKP1 04 45 12.9
			Afghanistan-USSR (h = 30 km).				Tonga-Kermadec Islands
"	16	Up	iPKP1 17 27 20.1				(h = 550 km).
		Ud	iPKP1 17 27 24.3	"	17	Up	i(P) 06 09 07.3
			Kermadec Islands.			Sk	i(P) 06 08 55.7
"	16	Ud	iP 18 59 03.4			Um	i(P) 06 08 44.1
"	16	Up	iP 20 04 40.3			Ud	i(P) 06 09 04.5
"	16	Up	iPKP1 22 06 03.5			i	06 09 08.8
			i 22 06 12.0				
			(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	17	Up	iPKP1	06 09 43.3	Jan.	17	Up	i	10 42 26.5
			i	06 09 58.0				i	10 42 33.0
				micr sec			Um	iPKP1	10 42 06.6
			PKP1	Z' 0.3 1.5			Ud	ePKP1	10 42 20
			i	Z' 0.3 1.3			Kermadec Islands (h = 230 km).		
		Ki	iPKP	06 09 24.7	"	17	Ki	iP	11 54 35.1
		Sk	iPKP2	06 09 40.5			Sk	iP	11 54 06.6
		Um	iPKP1	06 09 33.0			Um	ipP	11 55 54.2
		Ud	iPKP1	06 09 45.6			Iceland (h = N).		
		De	iPKP2	06 10 07.0	"	17	Ki	iP	12 28 52.5
		South of Kermadec Islands (h = N).					Um	iP	12 29 05.6
"	17	Up	iPKP1	06 47 57.0			Ud	ipP	12 29 01.3
				micr sec			Iceland (h = N).		
			PKP1	Z' 0.1 1.3	"	17	Up	iPKP1	13 51 42.8
		Sk	ePKP1	06 47 52			Um	iPKP1	13 51 31.8
		Um	iPKP1	06 47 44.9			Ud	iPKP1	13 51 43.9
		Ud	iPKP1	06 47 58.0			Kermadec Islands.		
		South of Kermadec Islands (h = N).			"	17	Up	iPKP1	14 12 26.3
"	17	Up	iPKP1	06 49 21.9			il		14 12 28.1
				micr sec					micr sec
			PKP1	Z' 0.2 1.5			il	Z' 0.1 1.0	
		Sk	iPKP1	06 49 17.7			Sk	il	14 12 21.6
			i	06 49 38.3			Um	iPKP1	14 12 15.0
		Um	iPKP1	06 49 13.5			il		14 12 17.4
		Ud	iPKP1	06 49 25.6			Ud	iPKP1	14 12 27.7
		De	iPKP2	06 49 47.5			il		14 12 29.9
		South of Kermadec Islands.					South of Kermadec Islands (h = N).		
"	17	Up	il	07 25 36.3	"	17	Up	iPKP1	14 14 33.2
		Sk	iPKP1	07 25 22.8			i		14 14 40.1
		Um	iPKP1	07 25 19.3			Sk	ePKP1	14 14 28
		Ud	iPKP1	07 25 32.8			Um	iPKP1	14 14 22.8
			il	07 25 39.0			Ud	iPKP1	14 14 35.1
		Kermadec Islands (h = 40 km).					Kermadec Islands.		
"	17	Up	ePKP1	09 35 14	"	17	Um	iP	14 37 58.7
			i	09 35 23.5					
		Um	iPKP1	09 35 00.3	"	17	Um	iP	16 39 10.9
		Ud	ePKP1	09 35 15					
		Kermadec Islands (h = 70 km).			"	17	Up	ePKP1	18 15 09
"	17	Up	iPKP1	10 16 05.3			Um	iPKP1	18 14 55.4
				micr sec			Ud	iPKP1	18 15 09.7
			PKP1	Z' 0.1 1.0			i		18 15 24.3
		Um	iPKP1	10 15 52.9			Kermadec Islands.		
		Ud	iPKP1	10 16 07.1	"	17	Um	iP	19 21 16.3
			i	10 16 23.1			Ud	iP	19 21 21.0
		De	iPKP1	10 16 16.1	"	17	Ki	iP	23 19 16.0
		Kermadec Islands (h = 55 km).					Sk	iP	23 18 51.0
"	17	Um	iP	10 28 08.6			Um	iP	23 19 34.2
							Ud	iP	23 19 25.0

Up = Uppsala, Ki = Kiruna, Sk = Skanstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 17 Up iPKP1 23 49 30.9
Um iPKP1 23 49 17.8
Ud iPKP1 23 49 32.1
Kermadec Islands.

" 18 Up iPKP1 00 29 07.2
Sk iPKP1 00 28 59.6
i 00 29 10.8
Um iPKP1 00 28 54.5
Ud iPKP1 00 29 09.0
i 00 31 32.1
Kermadec Islands (h = 140 km).

" 18 Up iPKP1 00 47 41.0
Sk iPKP1 00 47 33.5
Ud iPKP1 00 47 42.2
i 00 47 46.8
De iPKP1 00 47 50.0
Kermadec Islands.

" 18 Up iP 01 15 59.2
Ud iP 01 16 04.7

" 18 Um iPKP1 01 54 19.3
Ud iPKP1 01 54 33.8
Kermadec Islands.

" 18 Um eP 02 00 26
Ud eP 02 00 33

" 18 Up iPKP1 02 29 36.9
i 02 29 44.8
Sk ePKP2 02 29 34
Um iPKP1 02 29 26.5
Ud i(PKP) 02 29 32.9
iPKP1 02 29 39.7
Kermadec Islands.

" 18 Up iPKP1 02 37 16.6
iPKP2 02 37 19.6
micr sec
PKP2 Z' 0.1 0.8
Sk iPKP1 02 37 09.4
Um iPKP1 02 37 03.1
Ud iPKP1 02 37 18.1
iPKP2 02 37 22.8
De iPKP1 02 37 27.2
Kermadec Islands (h = N).

" 18 Up iPKP1 02 40 13.0
i 02 40 19.1
micr sec
PKP1 Z' 0.1 1.4
Sk iPKP1 02 40 06.3
(cont.)

1976

Jan. 18 (cont.)
Um iPKP1 02 40 01.8
Ud iPKP1 02 40 15.0
De iPKP1 02 40 24.6
Kermadec Islands.

" 18 Up iPKP1 04 08 10.8
i 04 08 18.9
Sk iPKP1 04 08 02.5
i 04 08 11.2
Um iPKP1 04 07 56.0
i 04 08 06.0
Ud iPKP1 04 08 11.7
i 04 08 20.0
De iPKP 04 08 18.5
i 04 08 29.2
Kermadec Islands.

" 18 Up ePKP1 04 42 00
Um iPKP1 04 41 45.6
Ud iPKP1 04 42 00.6
Kermadec Islands.

" 18 Up iP 04 50 29.0
iS 04 53 44
micr sec
P Z' 0.5 0.9
Mx E 39 14
Mx N 51 16
Mx Z 83 20
Ki iP 04 48 44.4
iS 04 50 56
micr sec
P Z' 1.3 0.9
Mx E 87 10
Mx N 34 11
Mx Z 28 8

Sk iP 04 49 45.6
i 04 49 48.3
Um iP 04 49 37.5
i 04 49 38.9
iS 04 52 06
Ud iP 04 50 28.2
De iP 04 51 09.1
Svalbard (h = N).

m = 6.4, M = 6.0 (Up,Ki).
Felt.

" 18 Up iPKP1 05 19 27.8
i 05 19 31.9
micr sec
PKP1 Z' 0.1 0.9
Ki ePKP1 05 19 08
Sk iPKP1 05 19 19.2
(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 18 (cont.)
 Um iPKP1 05 19 14.8
 Ud iPKP1 05 19 28.9
 De iPKP1 05 19 38.2
 Kermadec Islands (h = 55 km).

" 18 Up ePKP1 05 29 05
 Um iPKP1 05 28 52.0
 Ud iPKP1 05 29 05.5
 Kermadec Islands.

" 18 Ki eP 05 35 06.4

" 18 Up i(P) 06 05 23.1

" 18 Ki iP 06 47 37.2
 Um iP 06 48 31.8
 Svalbard.

" 18 Up ePKP1 08 12 49
 Um iPKP1 08 12 34.6
 Ud ePKP1 08 12 50
 Kermadec Islands.

" 18 Sk iP 08 21 03.0
 Um iP 08 21 18.1
 Guatemala (h = 130 km).

" 18 Ki iP 08 27 13.3
 micr sec
 P Z' 0.1 1.0
 Mx E 1.1 13
 Mx N 1.8 14
 Mx Z 1.1 11
 Sk iP 08 26 45.5
 Um iP 08 27 29.1
 i 08 27 32.7
 Ud iP 08 27 17.8
 i 08 27 23.8
 Iceland (h = N).

" 18 Up iPKP1 13 43 12.8
 Ud iPKP1 13 43 15.3
 De iPKP1 13 43 25.0
 Kermadec Islands.

" 18 Up iPKP1 13 49 20.6
 i 13 49 28.9
 micr sec
 PKP1 Z' 0.1 0.9
 i Z' 0.1 1.0
 Ki iPKP1 13 48 59.6
 Sk iPKP1 13 49 13.5
 i 13 49 18.0
 Um iPKP1 13 49 09.2
 (cont.)

1976

Jan. 18 (cont.)
 Um i 13 49 11.4
 Ud iPKP1 13 49 21.1
 De iPKP1 13 49 31.2
 South of Kermadec Islands
 (h = 30 km).

" 18 Up iPKP1 13 57 10.3
 i 13 57 31.1
 Um iPKP1 13 56 59.1
 Ud iPKP1 13 57 10.7
 i 13 57 32.0
 Kermadec Islands.

" 18 Up iPKP1 14 38 47.8
 Sk iPKP1 14 38 41.2
 Um iPKP1 14 38 36.2
 Ud iPKP1 14 38 49.6
 De iPKP1 14 38 58.0
 Kermadec Islands.

" 18 Up iP 15 15 14.5 C
 iS 15 19 07.0
 micr sec
 P Z' 0.5 0.9
 Mx E 7.0 13
 Mx N 3.3 12
 Mx Z 6.3 10
 Ki iP 15 16 30.0 C
 micr sec
 P Z' 0.2 1.3
 Mx E 13 12
 Mx N 5.1 12
 Mx Z 4.9 12
 Sk iP 15 15 55.8
 Um iP 15 15 53.7 C
 iS 15 20 26
 Ud iP 15 15 20.7 C
 i 15 15 23.3
 iS 15 19 18.4
 De iP 15 14 41.4
 i 15 14 44.2
 Greece (h = N).
 m = 5.8, M = 5.5 (Up,Ki).

" 18 Up iPKP1 15 28 57.1
 i 15 29 03.7
 micr sec
 PKP1 Z' 0.1 1.0
 Ki i 15 28 43.9
 Sk il 15 28 51.5
 Um iPKP1 15 28 45.3
 il 15 28 46.6
 Ud iPKP1 15 28 58.1
 De iPKP2 15 29 19.9
 South of Kermadec Islands
 (h = 170 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976								
Jan.	18	Up	iP	15 54	15.5	Jan.	18	Up	iPKP1	21 06	06.5	
		Ki	iP	15 53	46.6				i	21 06	13.3	
		Um	iP	15 54	00.0			Um	iPKP1	21 05	56.2	
				Mariana Islands (h = 80 km).				Ud	iPKP1	21 06	08.3	
									i	21 06	17.5	
"	18	Up	iPKP1	16 02	58.1			Kermadec Islands.				
			i	16 03	04.7		"	18	Up	i(P)	21 18	19.1
		Um	iPKP1	16 02	46.6				i	21 18	28.8	
		Ud	iPKP1	16 02	59.8							
		De	iPKP1	16 03	08.3		"	18	Up	iPKP1	21 22	17.7
				Kermadec Islands.					i	21 22	26.3	
"	18	Ki	iP	16 34	56.1			Sk	iPKP1	21 22	11.2	
		Um	iP	16 35	08.3			Um	iPKP1	21 22	06.9	
		Ud	iP	16 35	31.6			Ud	iPKP1	21 22	19.7	
				Mariana Islands (h = 330 km).				De	iPKP1	21 22	28.5	
"	18	Um	iP	17 19	58.3			Kermadec Islands.				
"	18	Up	iPKP1	18 45	32.5		"	18	Up	iPKP1	21 25	02.2
			i	18 45	45.3			Ud	iPKP1	21 25	04.5	
				micr sec				De	iPKP1	21 25	13.1	
				PKP1	Z' 0.3	1.8		Kermadec Islands.				
				i	Z' 0.2	1.0	"	18	Up	iPgl	22 11	24.7
		Sk	iPKP1	18 45	25.5				i	22 11	32.1	
		Um	iPKP1	18 45	20.6				iSgl	22 12	32.2	
		Ud	iPKP1	18 45	34.2				i	22 12	45.3	
			i	18 45	46.5				i	22 13	15.0	
		De	iPKP	18 45	36.0			Ud	iPgl	22 11	02.6	
			iPKP1	18 45	42.6				iSgl	22 11	53.8	
			iPKP2	18 45	55.3				i	22 12	27.7	
				Kermadec Islands (h = N).				De	iSgl	22 11	30.4	
"	18	Up	iPKP1	19 07	27.8	C		Skagerrak, near 57 1/4°N, 8 1/2°E.				
		Sk	iPKP2	19 07	26.4			Origin time = 22 09 54.				
			i	19 07	39.1			M _L = 2.4 (Ud).				
		Um	iPKP1	19 07	17.3			By combination with Bergen and Kongsberg readings.				
			i	19 07	27.3							
		Ud	iPKP1	19 07	29.2		"	19	Um	iP	00 13	23.9
		De	ePKP1	19 07	40				Ud	iP	00 13	39.2
				South of Kermadec Islands (h = N).			"	19	Um	iP	02 43	07.5
"	18	Up	iPKP	19 39	47.3				Ud	iP	02 43	27.2
			iPKP2	19 39	54.4		"	19	Up	i(P)	04 29	34.0
		Sk	ePKP1	19 39	45							
		Um	iPKP1	19 39	39.7		"	19	Up	iPKP1	07 51	46.2
		Ud	iPKP1	19 39	53.2				i	07 51	49.3	
			iPKP2	19 39	58.7			Um	iPKP1	07 51	32.5	
		De	ePKP1	19 40	02			Ud	iPKP1	07 51	47.2	
				Kermadec Islands (h = 100 km).					il	07 51	50.7	
"	18	Up	iP	21 02	23.7			De	il	07 51	59.9	
			i	21 02	35.9			Kermadec Islands (h = N).				
			i	21 02	50.8							
		Um	iP	21 02	21.1		"	19	Up	iP	09 26	44.4
			i	21 02	40.4			(cont.)				
		Ud	iP	21 02	33.4							

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 21 (cont.)
 Um iP 10 15 55.6
 i 10 15 59.6
 iP'P' 10 45 00.4
 Ud iP 10 16 26.4
 i 10 16 29.8
 De iP 10 16 45.1
 i 10 16 48.5
 Kurile Islands (h = 40 km).
 m = 6.6, M = 7.1 (Up,Ki).

" 21 Up iP 10 25 11.3
 i 10 25 25.8
 micr sec
 P Z' 0.1 1.0
 Ki iP 10 24 22.9
 micr sec
 P Z' 0.2 1.5
 Sk iP 10 25 02.8
 Um iP 10 24 46.5
 Ud iP 10 25 17.5
 De iP 10 25 35.3
 i 10 25 38.0
 Kurile Islands (h = 50 km).
 m = 5.9 (Up,Ki).

" 21 Up iP 10 29 59.4
 ipP 10 30 10.1
 micr sec
 P Z' 0.1 0.7
 pP Z' 0.4 1.3
 Ki eP 10 29 18
 Um iP 10 29 34.2
 ipP 10 29 45.8
 Ud iP 10 30 04.9
 ipP 10 30 16.9
 De ipP 10 30 34.7
 Kurile Islands.
 h = 45 km (Up,Um,Ud).

" 21 Up iP 10 33 47.2
 micr sec
 P Z' 0.1 1.0
 Ki iP 10 33 02.0
 Um iP 10 33 22.2
 Ud iP 10 33 53.1
 De iP 10 34 11.5
 Kurile Islands (h = 50 km).

" 21 Um iP 10 36 29.6
 Ud iP 10 37 00.6
 Kurile Islands (h = N).

" 21 Ud iP 10 42 01.9

" 21 Up iP 10 45 34.1
 Ud iP 10 45 40.2
 Kurile Islands.

1976

Jan. 21 Up iP 10 46 14.0
 Ud iP 10 46 21.4
 Kurile Islands.

" 21 Up iP 11 02 11.6
 micr sec
 P Z' 0.2 0.9
 Ki iP 11 01 24.9
 micr sec
 P Z' 0.1 1.0
 Sk eP 11 02 02
 Um iP 11 01 46.0
 Ud iP 11 02 18.2
 De iP 11 02 36.1
 Kurile Islands (h = 55 km).
 m = 6.0 (Up,Ki).

" 21 Up iP 11 27 27.7
 Um iP 11 27 02.6
 Ud iP 11 27 33.6
 Kurile Islands (h = 45 km).

" 21 Up iP 11 39 36.6
 micr sec
 P Z' 0.1 1.0
 Um iP 11 39 11.4
 Ud iP 11 39 42.8
 De iP 11 40 00.8
 Kurile Islands (h = 30 km).

" 21 Up iP 12 58 52.1 C
 ipP 12 59 00.3
 micr sec
 P Z' 0.1 0.9
 pP Z' 0.2 1.0
 Ki iP 12 58 04.1
 micr sec
 P Z' 0.1 1.0
 Um iP 12 58 27.4
 ipP 12 58 35.4
 Ud iP 12 58 57.7
 ipP 12 59 06.4
 De ipP 12 59 23.5
 Kurile Islands.
 h = 30 km (Up,Um,Ud).
 m = 5.9 (Up,Ki).

" 21 Up iP 13 05 58.6
 Ud iP 13 06 06.4
 Kurile Islands (h = 60 km).

" 21 Ud iP 13 15 33.4

" 21 Up iP 13 25 19.1 C
 micr sec
 P Z' 0.2 1.0
 Ki iP 13 24 34.0
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 22 (cont.)
 Up ipP 08 26 49.1
 micr sec
 P Z' 0.1 1.0
 Ud ipP 08 26 44.1
 ipP 08 26 56.6
 De ipP 08 27 02.4
 Kurile Islands.
 h = 45 km (Up,Ud).
 " 22 Up ipP 08 29 38.1
 ipP 08 29 50.9
 micr sec
 P Z' 0.1 1.0
 Ud ipP 08 29 44.3
 ipP 08 29 57.0
 De ipP 08 30 02.3
 Kurile Islands.
 h = 45 km (Up,Ud).
 " 22 Up ipP 08 30 15.8
 micr sec
 P Z' 0.1 0.9
 Ud ipP 08 30 21.5
 De ipP 08 30 39.4
 Kurile Islands.
 " 22 Up ipP 08 31 15.0
 Ud ipP 08 31 21.0
 Kurile Islands.
 " 22 Up ipP 08 31 54.2
 Ud ipP 08 32 00.1
 Kurile Islands.
 " 22 Ud ipP 08 34 53.5
 " 22 Up ipP 08 40 43.8
 De ipP 08 41 10.3
 " 22 Up ipP 09 11 54.5
 i 09 11 56.5
 micr sec
 P Z' 0.1 1.0
 Mx E 4.5 17
 Ki ipP 09 11 07.0
 micr sec
 Mx E 4.6 17
 Mx N 5.3 16
 Mx Z 7.2 17
 Sk eP 09 11 46
 Ud ipP 09 11 59.9
 i 09 12 02.9
 De ipP 09 12 19.1
 Kurile Islands (h = 55 km).
 M = 5.8 (Up,Ki).

1976

Jan. 22 Ud ipP 09 50 20.4
 " 22 Ki eP 10 09 02
 Sk ipP 10 08 30.7
 Ud ipP 10 09 07.1
 Iceland (h = N).
 " 22 Up ipPKP1 10 26 33.4
 micr sec
 PKP1 Z' 0.1 0.9
 Ud ipPKP1 10 26 34.8
 De ePKP1 10 26 44
 " 22 Up ipP 10 49 59.2
 Ud ipP 10 50 06.2
 Kurile Islands (h = 50 km).
 " 22 Up ipP 11 01 03.1
 i 11 01 15.3
 micr sec
 P Z' 0.2 1.3
 i Z' 0.3 1.3
 Ki ipP 11 00 10.1
 micr sec
 P Z' 0.1 1.0
 Ud ipP 11 01 07.8
 ipP 11 01 13.0
 De ipP 11 01 28.4
 Kamchatka.
 h = 20 km (Ud).
 m = 5.9 (Up,Ki).
 " 22 Up ipPKP1 11 18 45.7
 micr sec
 PKP1 Z' 0.1 0.6
 Ud ipPKP1 11 18 47.8
 De ipPKP1 11 18 58.0
 Tonga-Kermadec Islands
 (h = 460 km).
 " 22 Up ipP 11 30 42.6
 Ud ipP 11 30 48.1
 Kurile Islands (h = 45 km).
 " 22 Up ipP 11 53 03.3 C
 ipP 11 53 15.7
 micr sec
 P Z' 0.1 0.8
 Ki ipP 11 52 17.2
 micr sec
 P Z' 0.1 1.0
 Sk ipP 11 52 52.7
 Ud ipP 11 53 09.3
 i 11 53 24.1
 De ipP 11 53 27.3
 Kurile Islands.
 h = 45 km (Up).
 m = 5.9 (Up,Ki).

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan.	22	Ud	iP	12 26 50.6
"	22	Ud	iP	12 28 13.3
"	22	Up	iP	15 14 59.6
			P	Z' 0.1 0.8
		Ki	iP	15 14 14.3
		Ud	iP	15 15 05.9
		De	iP	15 15 24.2
		Kurile Islands (h = 45 km).		
"	22	Up	iP	15 24 18.6
		Ud	iP	15 24 24.2
		Kurile Islands (h = N).		
"	22	Up	iP	15 26 23.2 D
			P	Z' 0.1 0.9
		Ki	iP	15 25 37.9
		Ud	iP	15 26 28.7
		Kurile Islands (h = N).		
"	22	Ud	iP	15 28 39.3
"	22	Up	iP	15 55 02.3
		Ud	iP	15 55 08.8
		Kurile Islands (h = N).		
"	22	Up	iP	16 00 36.8
		Sk	iP	15 59 46.9
		Ud	iP	15 59 29.2
"	22	Up	iP	16 17 22.7
		Ki	iP	16 17 02.1
		Ud	iP	16 17 32.8
		Luzon (h = 30 km).		
"	22	Up	iP	16 32 14.5
			P	Z' 0.1 1.0
		Ki	eP	16 31 28
		Ud	iP	16 32 19.9
		De	iP	16 33 37.7
		Kurile Islands (h = 50 km).		
"	22	Up	iP	16 56 01.5
		Ud	iP	16 56 07.3
		Kurile Islands (h = N).		
"	22	Up	iP	17 20 47.6
		Ud	iP	17 20 54.4
		Kurile Islands (h = 30 km).		
"	22	Up	iP	17 37 15.9 C
			i	17 37 27.1
		(cont.)		

1976

Jan.	22	(cont.)		
		Up		micr sec
		i	Z'	0.2 1.5
		Mx	E	2.6 17
		Ki	iP	17 36 29.8
				micr sec
		Mx	E	2.4 18
		Mx	N	4.3 16
		Sk	eP	17 37 06
		Ud	iP	17 37 21.1
		De	iP	17 37 39.8
		Kurile Islands (h = 50 km).		
		M = 5.6 (Up,Ki).		
"	22	Up	iP	18 00 02.7
			ipP	18 00 15.9
				micr sec
		P	Z'	0.2 0.9
		Ki	iP	17 59 17.4
				micr sec
		P	Z'	0.1 1.0
		Ud	iP	18 00 09.1
			ipP	18 00 21.1
		De	iP	18 00 26.7
		Kurile Islands.		
		h = 45 km (Up,Ud).		
		m = 6.0 (Up,Ki).		
"	22	Up	iP	18 06 53.6
"	22	Up	ipP	18 47 05.9
		Ki	iP	18 46 05.1
		Ud	iP	18 46 58.6
			ipP	18 47 11.8
		Kurile Islands.		
		h = 45 km (Ud).		
"	22	Up	iP	19 15 27.2
		Ud	iP	19 15 33.1
		Kurile Islands (h = 45 km).		
"	22	Up	iP	19 23 32.6
				micr sec
		P	Z'	0.1 1.3
		Ud	iP	19 23 14.3
"	22	Up	iP	19 39 46.6
		Ud	iP	19 39 53.5
		Kurile Islands (h = N).		
"	22	Ki	iP	20 59 19.3
			i	20 59 30.5
		Sk	iP	20 58 52.1
		Um	iP	20 59 36.0
			i	20 59 40.0
		Ud	i	20 59 31.0
		Iceland (h = N).		

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Jan.	23	Up	iP	15	39	37.6	
		Ud	iP	15	39	43.7	
		Kurile Islands.					
"	23	Up	iP	16	25	21.7	
"	23	Ki	iSn	17	06	37.2	
			i	17	06	46.6	
		Sk	iP	17	05	58.9	
			iS	17	07	26.1	
		Um	iS	17	07	46.9	
		Ud	iP	17	06	46.3	
			iS	17	08	52.9	
		Norwegian Sea, near 71 1/4°N, 6 1/2°E. Origin time = 17 04 05.					
"	23	Up	ePKP1	18	10	32	
		Sk	iPKP1	18	10	26.8	
		Um	iPKP1	18	10	20.9	
		Ud	iPKP1	18	10	32.6	
		De	iPKP1	18	10	42.3	
"	23	Up	iPKP	18	53	04.2	
			i	18	53	08.6	
			i	18	53	15.9	
						micr sec	
		PKP	Z'	0.2	1.5		
		i	Z'	0.2	1.3		
		Ki	iPKP1	18	53	05.4	
						micr sec	
		PKP1	Z'	0.4	1.5		
		Sk	iPKP1	18	53	15.4	
		Um	iPKP1	18	53	05.4	
		Ud	iPKP1	18	53	14.0	
			iPKP2	18	53	18.3	
		De	ePKP	18	53	07	
		South of Australia (h = N).					
"	23	Up	iP	23	36	41.7	
		Ud	iP	22	36	48.6	
		Kurile Islands.					
"	24	Up	iP	02	02	44.2 D	
						micr sec	
		P	Z'	0.1	1.1		
		Ki	iP	02	01	59.2	
			i	02	02	09.3	
						micr sec	
		P	Z'	0.1	1.1		
		Sk	iP	02	02	34.8	
		Um	iP	02	02	18.9	
			ipP	02	02	30.1	
		Ud	iP	02	02	49.9	
			ipP	02	03	01.1	
		(cont.)					
Jan.	24	(cont.)					
		De	iP	02	03	07.8	
		Kurile Islands.					
		h = 40 km (Um,Ud).					
		m = 5.8 (Up,Ki).					
"	24	Ud	iP	02	06	21.3	
"	24	Up	iP	02	11	17.1 C	
			ipP	02	11	29.1	
						micr sec	
		P	Z'	0.2	1.2		
		Ki	iP	02	11	33.3	
						micr sec	
		P	Z'	0.3	1.5		
		Sk	iP	02	11	09.8	
		Um	iP	02	10	53.1	
			ipP	02	11	05.3	
		Ud	iP	02	11	23.2	
			ipP	02	11	35.6	
		De	iP	02	11	42.6	
		Kurile Islands.					
		h = 45 km (Up,Um,Ud).					
		m = 6.1 (Up,Ki).					
"	24	Up	iPKP1	02	20	49.5	
			i	02	21	01.0	
						micr sec	
		PKP1	Z'	0.1	1.4		
		Ud	iPKP1	02	20	50.5	
			i	02	20	53.2	
		Kermadec Islands (h = N).					
"	24	Ud	eP	02	59	30	
"	24	Up	iP	03	31	40.7 C	
						micr sec	
		P	Z'	0.2	1.0		
		Ki	iP	03	31	11.5 C	
		Sk	iP	03	31	40.7 C	
		Um	iP	03	31	23.0 C	
		Ud	iP	03	31	49.6	
		De	iP	03	32	00.2 C	
		Ryukyu Islands (h = 55 km).					
"	24	Ud	iP	06	12	57.3	
"	24	Up	iPKP1	07	14	44.7	
						micr sec	
		PKP1	Z'	0.1	1.0		
		Sk	iPKP1	07	14	36.8	
		Um	iPKP1	07	14	31.2	
		Ud	iPKP1	07	14	45.9	
		De	iPKP1	07	14	54.6	
			i	07	15	04.1	
		Kermadec Islands (h = N).					

Up = Uppsala, Ki = Kiruna, Sk = Skulstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	24	Ud	iP	07 50 14.2	Jan.	24	(cont.)		
				Kurile Islands (h = 45 km).			Ud	iP	19 23 52.0
							De	iP	19 24 10.4
									Kurile Islands (h = 50 km).
"	24	Up	iP	09 55 04.4	"	24	Um	iP	19 40 13.1
		Um	iP	09 54 39.4			Ud	iP	19 40 43.6
		Ud	iP	09 55 10.4					Kurile Islands (h = 40 km).
		De	eP	09 55 28					
				Kurile Islands (h = 45 km).					
"	24	De	iP	10 10 18.1	"	24	Ud	iP	20 07 29.9
"	24	Up	iP	10 52 28.8	"	24	Up	iPKP1	20 20 49.9
		Um	iP	10 52 03.4			Ud	iPKP1	20 20 51.1
		Ud	iP	10 52 34.3			De	i	20 21 11.5
				Kurile Islands (h = N).					
"	24	Um	iP	11 00 42.5	"	24	Up	iP	21 11 14.1
		Ud	iP	11 01 13.6			Um	iP	21 10 49.3
				Kurile Islands (h = N).			Ud	iP	21 11 20.0
									Kurile Islands (h = 45 km).
"	24	Um	iP	12 07 35.0	"	24	Up	iPKP	22 07 57.2
"	24	Up	iP	12 55 41.3			iPKP1		22 07 59.3 C
		Ud	iP	12 55 47.0			i		22 08 13.7
				Kurile Islands.					micr sec
							PKP1	Z'	1.9 1.3
"	24	Up	iP	13 32 58.8			Ki	iPKP1	22 07 36.4
		Ud	iP	13 33 05.3			i		22 07 46.1
				Kurile Islands (h = 40 km).					micr sec
							PKP1	Z'	0.3 1.5
"	24	Ud	iP	13 51 06.9			Sk	iPKP1	22 07 51.5 C
"	24	Up	iP	17 31 34.2			Um	iPKP1	22 07 46.7
		Um	iP	17 31 08.5			Ud	iPKP	22 07 58.0 C
		Ud	iP	17 31 40.0			iPKP1		22 08 00.9 C
		De	iP	17 31 58.2			De	iPKP	22 08 04.0 C
				Kurile Islands (h = 35 km).			iPKP1		22 08 10.3 C
									Kermadec Islands (h = 80 km).
"	24	Up	iPKP1	17 44 40.6	"	24	Up	iP	22 50 04.4
		i		17 44 49.8			i		22 50 17.2
		Um	i(PKP)	17 44 27.3					micr sec
		Ud	iPKP1	17 44 43.0			P	Z'	0.1 0.9
"	24	Up	iPKP2	17 49 18.9			Ki	iP	22 49 19.2
		Sk	iPKP1	17 49 09.1			Sk	iP	22 49 55.2
		Ud	iPKP1	17 49 18.2			Um	iP	22 49 39.3
"	24	Ki	iP	19 14 14.4			Ud	iP	22 50 10.7
		Um	iP	19 14 23.9			De	iP	22 50 28.3
									Kurile Islands.
									h = 45 km (Up).
"	24	Up	iP	19 23 46.5	"	24	Up	iP	23 33 42.0
				micr sec					micr sec
		P	Z'	0.1 0.9			P	Z'	0.1 1.0
		Ki	iP	19 22 58.4			Um	iP	23 33 16.3
		Sk	iP	19 23 34.6			Ud	iP	23 33 47.0
		Um	iP	19 23 21.0			De	iP	23 34 05.5
				(cont.)			i		23 34 27.0
									Kurile Islands (h = 45 km).

Up = Uppsala, Ki = Kiruna, Sk = Skulettugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	24	Um	iP	23 58 06.6	Jan.	25	Up	iP	12 34 52.9
		Ud	iP	23 58 37.4				ipP	12 35 06.4
				Kurile Islands.				iS	12 44 00
"	24	Up	iP	23 58 57.2					micr sec
		Um	iP	23 58 31.9			P	Z'	0.2 1.0
		Ud	iP	23 59 03.9			Mx	E	11 16
				Kurile Islands.			Mx	N	17 17
"	24	Up	iP	23 59 12.0			Mx	Z	48 18
		Um	iP	23 58 47.0		Ki	iP		12 34 06.3
		Ud	i	23 59 17.7					micr sec
		De	iP	23 59 35.1			P	Z'	0.2 1.0
				Kurile Islands.			Mx	E	11 15
"	25	Up	iP	00 58 45.5			Mx	N	18 15
		Um	iP	00 58 20.4			Mx	Z	15 15
		Ud	iP	00 58 51.0		Sk	iP		12 34 42.4
		De	eP	00 59 11		Um	iP		12 34 27.4
				Kurile Islands (h = N).			i		12 34 29.3
"	25	Up	iP	01 24 18.6			iS		12 43 14
		Ki	iP	01 24 03.0		Ud	iP		12 34 58.3
				micr sec			i		12 34 59.6
			P	Z'	0.1 1.1	De	iP		12 35 17.0
		Um	iP	01 24 07.8					Kurile Islands.
		Ud	iP	01 24 26.3					h = 50 km (Up).
				Molucca Passage (h = N).					m = 6.1, M = 6.4 (Up,Ki).
"	25	Up	iP	01 42 06.9	"	25	Up	iP	13 06 59.6
		Ud	iP	01 42 12.9					micr sec
				Kurile Islands (h = N).			P	Z'	0.1 0.8
"	25	Ud	iP	02 13 02.2		Ki	iP		13 06 13.8
						Sk	iP		13 06 49.2
"	25	Ki	iP	02 26 32.4		Um	iP		13 06 34.5
		Um	iP	02 27 25.4		Ud	iP		13 07 05.5
			iS	02 30 07.6		De	iP		13 07 23.2
		Ud	i	02 28 28.7					Kurile Islands (h = 45 km).
				Svalbard (h = N).	"	25	Up	iP	14 40 19.2
"	25	Um	iP	05 23 09.4			Ki	iP	14 39 31.5
"	25	De	iP	05 35 42.2			Um	iP	14 39 53.5
"	25	Up	iPgl	09 30 05.2			Ud	iP	14 40 24.7
			i	09 30 24.2					Kurile Islands (h = 45 km).
			iRg	09 30 30.4					
		Ud	iSgl	09 30 11.2					
			iRg	09 30 15.9					
				Central Sweden.	"	25	Ki	iP	15 44 31.4
				Near-surface event.				iS	15 47 07.0
"	25	Um	iP	11 12 22.8			Sk	i	15 47 19.3
		Ud	iP	11 12 15.6			Um	iP	15 44 52.3
				Guatemala (h = 100 km).				i	15 47 06.4
								i	15 48 06.3
							Ud	iS	15 47 24.1
							De	eP	15 45 15
									Iceland (h = 10 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Jan.	25	Up	iP	17 04 42.6	Jan.	26	Up	iP	00 11 33.7
		Um	iP	17 04 17.1			Um	iP	00 11 08.2
		Ud	iP	17 04 48.4			Ud	iP	00 11 39.5
				Kurile Islands (h = 45 km).					Kurile Islands (h = N).
"	25	Up	iP	17 57 07.2	"	26	Up	iP	02 09 31.6
				micr sec			Um	iP	02 09 06.9
			P	Z' 0.1 1.0			Ud	iP	02 09 37.3
		Ki	eP	17 56 19					Kurile Islands.
		Um	iP	17 56 42.2	"	26	De	iP	02 21 43.2
		Ud	iP	17 57 13.0	"	26	Ud	iP	02 38 08.2
			i	17 57 26.6	"	26	Up	iP	02 59 48.7 C
		De	iP	17 57 30.8			Ki	iP	02 59 24.3 C
				Kurile Islands (h = 55 km).					micr sec
"	25	Ud	iP	19 11 53.9				P	Z' 0.2 1.0
				Kurile Islands (h = N).			Sk	iP	02 59 52.8
"	25	Um	iP	19 15 10.6			Um	iP	02 59 33.5 C
				Japan (h = 50 km).			Ud	iP	02 59 58.4 C
"	25	Up	iP	19 16 19.7			De	i(pP)	03 00 17.4
		Ud	iP	19 16 24.9					Ryukyu Islands (h = N).
				Kurile Islands.	"	26	Um	iP	03 30 23.7
"	25	Up	il	19 22 11.0			Ud	iP	03 30 16.7
		Ud	iP	19 22 22.4					Guatemala (h = 70 km).
			il	19 22 25.9	"	26	Up	iP	05 33 34.7
				Tibet (h = N).			Ud	iP	05 33 40.5
"	25	Up	iP	19 25 39.8					Kurile Islands (h = N).
				micr sec	"	26	Up	iSgl	05 52 15.0
			P	Z' 0.1 1.0			Sk	iSgl	05 51 20.6
		Um	iP	19 25 15.5			Ud	iSgl	05 51 16.1
		Ud	iP	19 25 46.1					Coast of southwest Norway, 60.6°N, 4.8°E.
				Kurile Islands (h = N).					Origin time = 05 48 57.
"	25	Up	iP	20 00 23.5					M _L = 2.8 (Ud).
		Ud	iP	20 00 29.3	"	26	Up	iPKP	08 46 42.4
				Kurile Islands (h = N).			Um	iPKP	08 46 39.8
"	25	Um	iP	20 39 34.4			Ud	iPKP	08 46 44.8
		Ud	iP	20 40 05.5			De	iPKP	08 46 51.5
				Kurile Islands.					Fiji Islands (h = 260 km).
"	25	Ki	iP	22 00 56.4	"	26	De	iP	09 42 00.9
		Sk	iP	22 00 29.2	"	26	Up	iPKP1	10 59 09.8
		Um	iP	22 01 11.3			Ud	iPKP1	10 59 11.2
			i	22 01 15.3			De	iPKP1	10 59 20.8
		Ud	i	22 01 06.6	"	26	Ud	i(P)	15 09 15.9
				Iceland (h = 10 km).			De	i(P)	15 08 42.8
"	25	Up	iP	22 15 44.4	"	26	Ud	iP	15 23 48.4
		Um	iP	22 15 18.9					Kurile Islands (h = 35 km).
		Ud	iP	22 15 50.1					
				Kurile Islands (h = N).					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Jan.	27	Ud	iP	18 51 59.8	Jan.	28	(cont.)
"	27	Ud	iP	19 32 00.1			Ud iP 19 46 57.4
				Kashmir-India (h = N).			De iP 19 47 14.8
"	27	Sk	iP	19 38 44.4	"	28	Ud eP 20 15 06
"	27	Ki	i(P)	22 29 28.0	"	29	Up iP 00 17 10.0
"	27	Ud	iP	23 26 30.7			i 00 17 13.0
				Greece (h = N).			ipP 00 17 16.8
"	27	Up	iP	23 30 13.0			micr sec
		Ud	iP	23 30 18.2			P Z' 0.1 0.9
				Kurile Islands.			Ki eP 00 16 25
"	27	Up	iP	23 39 29.8			Sk ipP 00 17 06.4
		Ki	il	23 39 24.3			Um iP 00 16 45.2
		Ud	iP	23 39 38.2			ipP 00 16 51.9
			il	23 40 06.2			Ud iP 00 17 16.9
				Japan (h = 390 km).			i 00 17 18.9
"	28	Ud	iP	01 38 24.3			ipP 00 17 23.0
"	28	Up	iP	03 53 39.2			De iP 00 17 34.5
		Ud	iP	03 53 39.1			Kurile Islands.
"	28	Up	iSgl	12 29 54.6			h = 25 km (Up,Um,Ud).
		Ki	iP	12 25 21.1	"	29	Up eP 04 25 23
			iPgl	12 25 22.0			Um iP 04 25 36.0
			i	12 25 40.3			Ud iP 04 25 40.4
			iSgl	12 25 43.0			Caucasus (h = N).
		Sk	iSgl	12 28 37.8	"	29	Ki iP 09 45 51.7
		Um	i	12 26 14.4			Ud iP 09 46 18.5
			iPgl	12 26 32.0			Philippine Islands (h = N).
			i	12 27 38.3	"	29	De iP 10 06 32.5
			iSgl	12 27 44.6	"	29	Up iP 14 27 55.1
		Ud	iSgl	12 29 03.7			micr sec
				North Norway,			P Z' 0.1 0.9
				69.1°N, 23.2°E.			Ki iP 14 27 09.5
				Origin time = 12 24 54.			Um iP 14 27 30.8
				$M_L = 3.0$ (Up,Ki,Um,Ud).			Ud iP 14 28 01.4
				By combination with Tromsø			De iP 14 28 19.7
				and Finnish station readings.			Kurile Islands (h = 45 km).
"	28	Up	iP	12 35 57.6	"	29	Up iPKP1 17 38 41.8
		Ud	iP	12 36 03.2			Sk iPKP1 17 38 34.8
"	28	Up	iP	19 46 51.0			Um iPKP1 17 38 30.1
				micr sec			Ud iPKP1 17 38 43.1
				P Z' 0.1 0.8			De iPKP1 17 38 52.5
		Ki	iP	19 46 04.3			Kermadec Islands (h = N).
		Sk	iP	19 46 40.9	"	29	Up iP 18 57 22.7
		Um	iP	19 46 25.8			Ki iP 18 56 38.4
			i	19 46 27.0			Sk i 18 57 00.2
				(cont.)			Um iP 18 57 03.8
							Ud iP 18 57 15.8
							De iP 18 57 34.3
							Oregon (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan.	29	Up	iP	19	30	37.2
		Ud	iP	19	30	36.4
"	29	Um	iP	19	38	13.1
"	29	Up	eP	20	38	57
		Ud	eP	20	39	04
			i	20	39	13.1
		Kurile Islands (h = 45 km).				
"	29	Up	iP	23	36	47.9
		Um	iP	23	36	22.0
		Ud	iP	23	36	53.6
		Kurile Islands (h = 45 km).				
"	29	Up	iPKP1	23	44	21.7
			i	23	44	29.5
		Sk	ePKP1	23	44	15
		Um	iPKP1	23	44	09.6
		Ud	iPKP1	23	44	22.3
		Kermadec Islands.				
"	30	Up	iP	01	51	16.1
		Ud	iP	01	51	22.8
		Kurile Islands.				
"	30	Ki	iPKP1	03	20	33.0
			i	03	21	01.2
		Um	iPKP1	03	20	39.7
			i	03	20	47.0
		Ud	iPKP2	03	21	10.7
		North Island, New Zealand (h = 35 km).				
"	30	Up	iPKP1	11	07	02.6
		Ud	iPKP1	11	07	04.5
"	30	Ud	iP	12	04	47.4
"	30	Up	iP	13	59	51.3
		Ud	iP	13	59	57.6
		De	iP	14	00	15.8
		Kurile Islands (h = 15 km).				
"	30	Ud	iP	15	29	02.2
		Mindanao (h = 90 km).				
"	30	Ud	iP	18	04	15.9
"	30	Up	iP	20	53	14.1
		Ki	iP	20	53	23.3
		Um	iP	20	53	12.9
			i	20	53	53.9
		Ud	iP	20	53	31.0
			i	20	54	12.1
		De	iP	20	53	27.5
		Hindu Kush (h = 190 km).				

1976

Jan.	31	Up	iP	00	36	33.6
			ipP	00	36	46.3
				micr sec		
			P	Z'	0.2	1.0
			pP	Z'	0.3	1.0
			Mx	E	1.7	18
			Mx	N	1.7	19
		Ki	iP	00	35	47.4
			ipP	00	35	59.6
				micr sec		
			P	Z'	0.2	1.0
			Mx	E	1.7	16
			Mx	N	2.2	15
		Sk	iP	00	36	23.5
			ipP	00	36	35.3
		Um	iP	00	36	08.4
			ipP	00	36	20.5
			i	00	36	29.8
		Ud	iP	00	36	39.4
			ipP	00	36	51.6
			i	00	37	00.1
		De	iP	00	36	57.5
			ipP	00	37	09.9
		Kurile Islands.				
		h = 45 km (Up,Ki,Sk,Um,Ud,De).				
		m = 6.2, M = 5.5 (Up,Ki).				
"	31	Up	iP	02	08	16.9 C
			i	02	08	21.5
			ipP	02	08	28.8
				micr sec		
			P	Z'	0.2	1.0
			Mx	E	1.7	18
		Ki	iP	02	07	30.3
			ipP	02	07	42.2
				micr sec		
			P	Z'	0.2	1.0
			Mx	E	0.7	15
			Mx	N	3.5	21
		Sk	iP	02	08	06.7
			ipP	02	08	18.3
		Um	iP	02	07	51.2
			i	02	07	56.6
			ipP	02	08	03.1
		Ud	iP	02	08	22.0
			ipP	02	08	34.5
		De	iP	02	08	40.4
			ipP	02	08	52.7
		Kurile Islands.				
		h = 45 km (Up,Ki,Sk,Um,Ud,De).				
		m = 6.2, M = 5.4 (Up,Ki).				
"	31	Up	ePKP1	05	46	45
		Um	iPKP1	05	46	32.4
		Ud	iPKP1	05	46	45.9
		De	iPKP1	05	46	54.9
		Kermadec Islands (h = N).				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Jan. 31 Up iPKP1 08 40 17.7
 iSKP1 08 43 04.0
 Ki iPKP 08 40 10.8
 iSKP1 08 42 39.5
 Sk i(PKP) 08 40 11.3
 iSKP1 08 42 56.8
 Um i(PKP) 08 40 06.1
 iPKP 08 40 18.7
 iSKP1 08 42 52.6
 Ud iPKP1 08 40 19.3
 iSKP1 08 43 05.8
 De iPKP1 08 40 30.7 D
 iSKP1 08 43 14.3
 Fiji Islands (h = 630 km).

" 31 Up iPKP1 09 36 00.8
 i 09 36 15.6
 Um ePKP1 09 35 50
 i 09 36 02.9
 Ud iPKP1 09 36 02.3
 De iPKP1 09 36 11.4
 Kermadec Islands (h = 55 km).

" 31 Ud iP 13 35 35.4

" 31 Ud iP 20 31 27.3

" 31 Up iP 20 37 58.1
 Ki iP 20 37 39.5
 Um iP 20 37 45.3
 Ud iP 20 38 06.1
 Mindanao (h = 80 km).

" 31 Um iP 21 34 37.4
 Ud i 21 35 07.7
 Nicobar Islands (h = 80 km).

" 31 Ud iP 21 39 24.7

" 31 Up il 22 44 31.1
 Ki iP 22 43 56.0
 micr sec
 Mx E 1.7 13
 Mx N 1.4 11
 Mx Z 1.2 11
 Sk iP 22 43 28.8
 Um iP 22 44 11.2
 il 22 44 15.9
 Ud il 22 44 06.0
 Iceland (h = 10 km).

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SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

FEBRUARY 1 - 29, 1976

1976					1976				
Feb.	1	Ud	iP	02 22 13.1	Feb.	1	(cont.)		
"	1	Up	iPKP1	06 57 37.3			Sk	iP	11 27 25.7 C
				micr sec			Um	iP	11 27 38.9 C
			PKP1	Z' 0.1 0.8				i	11 27 46.4
		Ki	iPKP	06 57 20.5				iS	11 38 05
		Sk	iPKP1	06 57 29.7			Ud	iP	11 27 35.5
		Um	iPKP1	06 57 24.5			De	iP	11 27 44.5 C
		Ud	iPKP1	06 57 38.9 C				i	11 27 52.7
		De	iPKP1	06 57 47.8 C					Mexico (h = 50 km).
				Kermadec Islands (h = 60 km).					m = 6.0, M = 5.6 (Up,Ki).
"	1	De	iP	09 49 37.5	"	1	Um	iSKP1	12 25 18.6
"	1	Ud	iPKP1	09 54 59.0			Ud	iPKP1	12 22 46.5
		De	iPKP1	09 55 09.6					Fiji Islands (h = 640 km).
"	1	Ud	iP	10 52 20.8	"	1	De	iP	12 52 34.4
"	1	Ud	iP	11 07 17.1	"	1	Up	iP	12 55 46.1
"	1	Ud	i(P)	11 24 13.0					micr sec
"	1	Up	iP	11 27 45.4 C				P	Z' 0.1 0.7
			i	11 27 52.7			Ki	iP	12 55 18.4
			iS	11 38 12					micr sec
				micr sec				P	Z' 0.1 0.5
			P	Z' 0.1 1.0			Sk	iP	12 55 43.5
			Mx	E 2.3 20			Um	iP	12 55 30.0
			Mx	N 1.4 19			Ud	iP	12 55 51.7
			Mx	Z 4.1 20			De	iP	12 56 03.4
		Ki	iP	11 27 27.8 C	"	1			Mariana Islands (h = 410 km).
			i	11 27 36.3					m = 5.8 (Up,Ki).
				micr sec			Up	iP	13 26 34.6
			P	Z' 0.1 1.0			Sk	iP	13 27 16.5
			i	Z' 0.2 1.5			Um	iP	13 27 13.5
			Mx	E 1.0 10			Ud	iP	13 26 40.7
								il	13 26 44.1
							De	il	13 26 04.9
									Greece (h = 40 km).

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976										
Feb.	1	Up	iP	14 41	29.1	Feb.	1	(cont.)						
		Ki	iP	14 40	42.9			Um	iP	21 30	42.4			
		Um	iP	14 41	02.0				ipP	21 30	57.2			
		Ud	iP	14 41	34.5			Ud	iP	21 31	11.6			
		Kurile Islands (h = 40 km).							ipP	21 31	26.7			
"	1	Um	iPP	14 44	29.0			Japan. h = 55 km (Up,Um,Ud).						
		Ud	iPP	14 45	01.1			"	1	Up	iP	22 08	48.9	
		Timor (h = 15 km).								Ud	iP	22 08	54.5	
"	1	Up	iP	14 51	15.1			Kurile Islands (h = 50 km).						
		Ki	iP	14 52	25.6			"	1	Up	iP	23 38	12.0	
		Sk	iP	14 51	52.1					Ki	iP	23 39	23.6	
		Um	eP	14 51	50					Sk	iP	23 38	51.2	
		Ud	iP	14 51	21.1	D				Um	iP	23 38	48.6	
		De	iP	14 50	46.2	D				i		23 38	52.5	
		Greece (h = 70 km).								Ud	iP	23 38	18.3	
"	1	Um	iP	15 48	53.4					De	iP	23 37	43.3	
		Ud	iP	15 49	14.0			Greece (h = 90 km).						
		Burma-India (h = 60 km).						"	2	Up	iP	03 10	52.9	C
"	1	Up	iP	16 24	26.1					iS		03 19	35	
		Ki	iP	16 23	41.1								micr	sec
		Um	iP	16 24	00.8					P	Z'	1.0	1.2	
		Ud	iP	16 24	31.8					Mx	E	2.9	14	
		De	iP	16 24	52.1					Mx	N	4.2	17	
		Kurile Islands (h = 45 km).								Mx	Z	7.0	16	
"	1	Up	iP	17 01	10.5			/Ki	iP		03 10	00.9	C	
		Um	iP	17 00	44.4							micr	sec	
		Ud	iP	17 01	16.2					P	Z'	0.9	1.4	
		Kurile Islands (h = 45 km).								Mx	E	3.7	16	
"	1	Up	iPKP1	18 15	10.8					Mx	N	2.8	15	
			ipPKP1	18 15	18.6					Mx	Z	3.4	16	
			i	18 15	29.3					Sk	iP	03 10	37.0	C
										Um	iP	03 10	25.0	C
										iS		03 18	42	
										Ud	iP	03 10	56.0	C
										De	iP	03 11	17.3	C
										iPP		03 13	46.9	
										Kamchatka (h = N).				
										m = 6.8, M = 5.8 (Up,Ki).				
"	1	Ud	iP	20 37	10.6			"	2	Up	iP	03 41	21.0	C
"	1	Up	iP	21 31	03.1					i		03 42	31.2	
			ipP	21 31	18.2								micr	sec
		(cont.)								P	Z'	0.3	1.2	
										Ki	iP	03 40	28.1	C
										i		03 40	40.8	
													micr	sec
										P	Z'	0.2	1.1	
										Sk	iP	03 41	04.8	
										Um	iP	03 40	53.7	C
										Ud	iP	03 41	24.8	C
										De	iP	03 41	45.5	C
										Kamchatka (h = 50 km).				
										m = 6.1 (Up,Ki).				

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Feb.	2	Up	e(PKP)	04 04 24	Feb.	2	Up	iP	12 17 32.2
			iPKP	04 04 31.8					micr sec
		Ki	iPKP	04 04 18.6 C				P	Z' 0.1 0.8
		Sk	iPKP	04 04 28.1			Sk	iP	12 18 14.6
			iSKP1	04 07 27.8			Um	iP	12 18 12.2
		Um	i(PKP)	04 04 20.1				i	12 18 20.4
			iPKP	04 04 26.2			Ud	iP	12 17 38.5
			iSKP1	04 07 22.9			Greece-Albania (h = N).		
		Ud	i(PKP)	04 04 20.6	"	2	Up	iP	13 20 39.3
			iPKP	04 04 34.0					micr sec
			iSKP1	04 07 35.5				Mx	E 1.2 13
		De	i(PKP)	04 04 33.0				Mx	N 2.0 16
			iPKP	04 04 41.4				Mx	Z 3.0 15
		Tonga Islands (h = 330 km).				Ki	iP	13 20 11.1	
"	2	Ud	iP	04 06 17.8				i	13 20 17.1
"	2	Up	iP	05 26 07.5				iS	13 22 38.3
		Ki	iP	05 25 22.0					micr sec
		Um	iP	05 25 42.4				i	Z' 0.3 1.5
			i	05 25 56.3				Mx	E 2.2 14
		Ud	iP	05 26 13.6				Mx	N 2.6 11
			i	05 26 28.1				Mx	Z 1.2 11
		De	iP	05 26 32.0			Sk	eP	13 19 47
		Kurile Islands (h = 45 km).					iS	13 22 00.8	
"	2	Up	iP	06 13 12.4			Um	iP	13 20 30.4
		Ki	iP	06 12 26.5				i	13 20 36.3
		Um	iP	06 12 47.3			Ud	iP	13 20 16.9
		Ud	iP	06 13 20.0				iI	13 20 26.4
		Kurile Islands (h = 45 km).				De	iI	13 20 54.1	
"	2	Up	iP	06 27 02.9			Iceland (h = 5 km).		
		Ki	iP	06 26 16.9			M = 4.6 (Up,Ki).		
		Um	iP	06 26 37.6	"	2	Up	ipP	13 42 33.2
		Ud	iP	06 27 09.1				i	13 42 46.2
		Kurile Islands (h = 45 km).				Um	iP	13 43 05.2	
"	2	Up	iP	07 12 47.9				ipP	13 43 12.9
		Ki	iP	07 11 56.1			Ud	iP	13 42 37.1
		Um	iP	07 12 20.0				ipP	13 42 45.0
		Ud	iP	07 12 52.5			Turkey.		
		Kamchatka (h = N).					h = 30 km (Um,Ud).		
"	2	Up	iP	07 58 12.5	"	2	Um	iSKP1	14 10 29.1
		Ud	iP	07 58 17.7			Ud	iPKP1	14 07 58.1 D
		Kurile Islands (h = 45 km).				De	iPKP1	14 08 09.0 D	
"	2	Up	iPKP1	09 43 42.3			Fiji Islands (h = 560 km.)		
		Ud	iPKP1	09 43 44.4	"	2	Up	iPKP2	15 06 28.0
"	2	Um	iP	11 46 42.3			Um	iPKP1	15 06 11.8
		Ud	iP	11 47 13.4			Ud	iPKP1	15 06 25.7 D
		De	iP	11 47 40.6	"	3	Um	iP	05 35 44.4
"	2	Ud	i(P)	12 08 53.5			Ud	iP	05 36 03.8
							Celebes Sea (h = 580 km).		
"	2	Ud	i(P)	12 08 53.5	"	3	Ud	iP	05 59 40.3

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Feb.	3	Ud	iP	10 11 18.5	Feb.	3	(cont.)		
		Hindu Kush (h = 210 km).				Ki	iP	14 42 16.6	
"	3	Ki	iP	10 58 45.9		Sk	iP	14 42 51.6	
				micr sec		Um	iP	14 42 32.2	
			P	Z' 0.6 1.0			i	14 42 33.4	
		Um	iP	10 58 48.4		Ud	iP	14 43 06.0	
		Ud	eP	10 59 07			il	14 43 08.9	
		Banda Sea (h = 610 km).				De	iP	14 43 25.4	
							i	14 43 26.4	
		Kurile Islands (h = 45 km).							
"	3	Ud	iP	11 25 31.4	"	3	Ki	ipP	15 03 18.7
"	3	Um	iPKP	11 31 13.3			Pakistan (h = N).		
		Ud	iPKP1	11 31 18.8	"	3	Up	iP	16 46 23.2
		De	iPKP1	11 31 27.3			ipP	16 46 38.1	
		Fiji Islands (h = 490 km).					i	16 46 56.6	
"	3	Ud	iP	12 41 16.2				micr sec	
"	3	Up	iPKP	12 46 05.9 C			P	Z' 0.1 0.9	
			i	12 46 25.0			i	Z' 0.1 0.8	
			i	12 46 55.0			Mx	E 0.6 10	
			iSKP1	12 49 00.3			Mx	N 1.1 11	
				micr sec			Mx	Z 1.8 19	
			PKP	Z' 0.3 0.6		Ki	iP	16 47 01.2	
		Ki	i(PKP)	12 45 45.6			ipP	16 47 15.2	
			iPKP	12 45 53.7			i	16 47 35.8	
			iSKP1	12 48 39.4				micr sec	
				micr sec			P	Z' 0.1 1.2	
			PKP	Z' 1.2 2.8			pP	Z' 0.3 0.8	
			SKP1	Z' 0.9 1.7		Sk	iP	16 47 00.4	
		Sk	iPKP1	12 45 59.8		Um	iP	16 46 35.0	
			iSKP1	12 48 55.2			ipP	16 46 50.8	
		Um	i(PKP)	12 45 52.3		Ud	iP	16 46 39.9	
			iPKP1	12 45 54.4		De	iP	16 46 25.3	
			iSKP1	12 48 50.5			ipP	16 46 39.6	
		Ud	iPKP1	12 46 07.7 C			i	16 46 57.2	
			i	12 46 26.8			Iran-USSR.		
			iSKP1	12 49 02.6			h = 60 km (Up,Ki,Um,De).		
		De	iPKP	12 46 15.5 C			m = 5.4 (Up,Ki).		
			iPKP1	12 46 18.5 C	"	3	Up	iPKP1	18 22 39.0
			iSKP1	12 49 09.9			Ki	iPKP	18 22 36.5
		Tonga-Kermadec Islands (h = 480 km).						micr sec	
"	3	Ud	iP	12 57 10.4			PKP	Z' 0.1 1.0	
"	3	Ki	ipP	13 34 35.0		Sk	iPKP	18 22 45.1	
		Ud	iP	13 33 00.0		Um	iPKP	18 22 39.0	
		Rumania (h = 180 km).					i	18 22 43.4	
"	3	Ud	iP	14 20 37.9		Ud	iPKP1	18 22 39.4	
"	3	Up	il	14 43 02.0		De	iPKP1	18 22 51.2	
		(cont.)						Tonga Islands (h = 210 km).	
"	3	Ud	iP	14 20 37.9	"	3	Up	iP	18 48 20.8
"	3	Up	il	14 43 02.0			Ud	iP	18 48 26.8
		(cont.)			"	3	Ud	iP	18 59 16.5

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Feb.	4	Up	iP	00 08 15.9 C	Feb.	4	(cont.)		
			iS	00 16 38			Up	micr sec	
				micr sec			Mx	E 76 21	
			P	Z' 4.6 1.7			Mx	N 100 22	
			Mx	E 1.1 19			Mx	Z 221 23	
			Mx	N 3.7 25			Ki	iP 09 14 11.5	
			Mx	Z 5.9 25			i	09 14 18.0	
		Ki	iP	00 07 21.5 C			i	09 14 24.9	
			iS	00 15 04			i	09 14 42.2	
				micr sec			iS	09 24 36	
			P	Z' 1.3 1.4				micr sec	
			Mx	E 0.8 14			P	Z' 1.5 2.0	
			Mx	N 1.8 18			i	Z' 1.6 2.4	
			Mx	Z 1.5 18			i	Z' 3.5 2.4	
		Sk	iP	00 07 57.9 C			i	Z' 3.0 1.7	
		Um	iP	00 07 47.5 C			Mx	E 156 18	
			iS	00 15 44			Mx	N 185 20	
		Ud	iP	00 08 19.1 C			Mx	Z 155 19	
		De	iP	00 08 40.2 C		Sk	iP	09 14 03.7	
		Kamchatka (h = N).				i	09 14 09.3		
		m = 7.1, M = 5.4 (Up,Ki).				Um	iP	09 14 19.5	
"	4	Ki	iP	00 16 25.1		i	09 14 25.7		
		Um	iP	00 16 39.8		iS	09 24 45		
		Arizona (h = 10 km).			Ud	iP	09 14 11.1		
"	4	Up	iPKP1	01 43 52.7		i	09 14 17.6		
		Sk	iPKP1	01 43 46.0		i	09 14 24.1		
		Um	iPKP1	01 43 40.5		i	09 14 40.3		
		Ud	iPKP1	01 43 54.3		De	iP	09 14 17.7	
		De	iPKP1	01 44 02.8		i	09 14 31.3		
		Kermadec Islands.				i	09 14 47.0		
"	4	Ud	iP	04 02 48.7		Guatemala (h = 5 km).			
"	4	Ud	iP	04 27 24.1		m = 6.7, M = 7.4 (Up,Ki).			
"	4	Up	iPKP1	05 12 46.1		Multiple event, with			
		Sk	iPKP1	05 12 37.9		successively increasing			
		Um	iPKP1	05 12 33.5		amplitudes.			
		Ud	iPKP1	05 12 46.9		"	4	Up	iP 09 43 11.7
		De	iPKP1	05 12 55.7				ipP	09 43 13.5
		Kermadec Islands.						micr sec	
"	4	Ud	iP	06 11 12.4				pP	Z' 0.1 1.0
"	4	Up	iP	09 14 20.8		Ki	iP	09 43 02.3	
		i	09 14 27.4			ipP	09 43 03.4		
		i	09 14 34.8			micr sec			
		i	09 14 49.5			pP	Z' 0.1 1.0		
		iS	09 24 50		Sk	iP	09 42 54.8		
			micr sec		Um	iP	09 43 09.5		
		P	Z' 0.6 1.4			ipP	09 43 11.5		
		i	Z' 0.2 1.0		Ud	iP	09 43 03.0		
		i	Z' 0.5 1.0			ipP	09 43 04.1		
		i	Z' 1.0 1.0		De	iP	09 43 09.2		
		(cont.)			Guatemala.				
						h = 5 km (Up,Ki,Um,Ud).			
						m = 6.0 (Up,Ki).			
"	4	Um	iP	10 16 28.5		"	4	Um	iP 10 16 28.5
		Guatemala (h = 5 km).				Guatemala (h = 5 km).			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Feb.	5	(cont.)		Feb.	5	(cont.)	
		Ki	micr sec			Sk	iP 17 24 00.8 C
		P	Z' 0.1 1.1			Um	iP 17 23 45.6 C
		Um	iP 09 46 13.0			Ud	iP 17 24 16.4 C
		Ud	iP 09 46 37.3			De	iP 17 24 33.2 C
		De	iP 09 47 00.7			Japan (h = 80 km).	
		Alaska (h = 35 km).				m = 6.4 (Up,Ki).	
"	5	Up	iPKP1 09 48 47.3 C	"	5	Ud	iP 18 10 23.8
			micr sec				i 18 10 27.1
		PKP1	Z' 0.1 1.1			Um	iP 18 14 17.0
		Sk	iPKP1 09 48 39.6	"	5	Ud	iP 18 14 23.6
		Ud	iPKP1 09 48 49.0				
		De	iPKP1 09 48 57.7				
		Kermadec Islands (h = N).		"	5	Up	iPKP1 21 11 57.9
						Sk	iPKP1 21 11 50.9
"	5	Up	iPP 10 11 39.4			Um	iPKP1 21 11 45.6
			iSKS 10 17 40			Ud	iPKP1 21 11 58.8
			micr sec				i 21 12 15.9
		Mx	E 1.2 20			De	iPKP1 21 12 08.1
		Mx	Z 2.0 21			Kermadec Islands.	
		Um	iPP 10 12 01.5	"	5	Ud	iP 21 27 19.3
			iSKS 10 17 53				
			iS 10 19 23	"	6	Up	iSKP1 00 23 27.5
		Ud	i(PP) 10 11 23.2			Um	iSKP1 00 23 15.1
			iPP 10 11 26.7			Ud	i 00 23 24.6
		De	iPP 10 11 22.5			Fiji Islands (h = 590 km).	
		Chile-Bolivia (h = 100 km).		"	6	Up	i(P) 00 28 47.9
"	5	Um	iP 10 22 52.1	"	6		
		Ud	iP 10 23 09.3	"	6	Up	iPKP1 01 52 13.1
"	5	Up	iP 12 13 15.6			Sk	ePKP1 01 52 07
			i 12 13 39.3			Um	iPKP1 01 52 01.4 C
		Ki	iP 12 13 20.6			Ud	iPKP1 01 52 14.4
		Sk	iP 12 13 38.8			Kermadec Islands.	
		Um	iP 12 13 12.0	"	6	Up	iPKP1 02 10 14.5
		Ud	iP 12 13 28.8				i 02 10 35.5
		De	iP 12 13 28.3				micr sec
		India (h = 35 km).				PKP1	Z' 0.1 0.8
"	5	Up	iPKP1 12 22 49.3			Ki	iPKP1 02 09 53.6
		Ud	iPKP1 12 22 48.8			Sk	iPKP1 02 10 09.5
		De	iPKP2 12 23 05.3				i 02 10 10.5
		Kermadec Islands (h = N).				Um	iPKP 02 10 03.4
"	5	Ud	iP 12 27 01.3				iPKP1 02 10 05.1
		De	iP 12 27 16.3			Ud	iPKP 02 10 11.1
							iPKP1 02 10 16.4
"	5	Up	iP 17 24 10.0 C			De	iPKP 02 10 16.3
			micr sec			South of Kermadec Islands	
		P	Z' 0.3 1.0			(h = 60 km).	
		Ki	iP 17 23 25.7 C	"	6	Up	iPKP1 03 40 21.5
			micr sec			Ud	iPKP1 03 40 22.6
		P	Z' 0.6 1.2			De	iPKP1 03 40 31.0
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
Feb.	6	Up	iPKP1	03 45 59.9	Feb.	6	(cont.)				
		Sk	iPKP1	03 45 55.3			Um	iP	18 24 42.0 C		
		Um	iPKP1	03 45 49.6			Ud	iP	18 24 34.2		
		Ud	iPKP1	03 46 01.8			De	iP	18 24 41.3		
				South of Kermadec Islands.			Guatemala (h = 5 km).				
"	6	Um	iP	04 23 46.0	"	6	Up	iP	18 32 01.4 C		
				Guatemala (h = 5 km).				ipP	18 32 04.7		
								iS	18 42 42		
"	6	De	iP	04 41 57.2					micr sec		
								pP	Z' 0.7 1.7		
"	6	Ki	iP	07 26 34.1				Mx	E 1.0 18		
		Sk	iP	07 26 06.5				Mx	Z 3.9 22		
		Um	iP	07 26 51.6			Ki	iP	18 31 51.5 C		
			il	07 26 56.4				ipP	18 31 54.6		
		Ud	il	07 26 45.9					micr sec		
				Iceland (h = 5 km).				P	Z' 0.2 1.6		
"	6	Um	iP	09 07 59.3				pP	Z' 1.4 1.9		
"	6	Ud	iP	09 39 28.3				Mx	E 1.6 17		
"	6	Ud	iP	09 39 28.3				Mx	N 2.0 18		
"	6	Um	iP	09 40 20.8				Mx	Z 4.2 21		
"	6	Ud	iP	13 44 03.3			Sk	iP	18 31 43.7 C		
"	6	Ud	iP	14 47 09.4				ipP	18 31 47.1		
"	6	De	iP	15 42 34.0			Um	iP	18 31 59.4 C		
"	6	Um	iP	16 12 35.9				ipP	18 32 02.8		
"	6	Ud	iP	16 13 01.5				iS	18 42 34		
"	6	Um	iP	16 32 12.9			Ud	iP	18 31 51.1		
"	6	Ud	iP	16 32 32.9				ipP	18 31 55.6		
"	6	De	iP	16 32 30.3			De	iP	18 31 58.6 C		
				Afghanistan-USSR				ipP	18 32 02.0		
				(h = 190 km).				Guatemala.			
"	6	Um	iP	16 32 12.9				h = 10 km (Up,Ki,Sk,Um,Ud,De).			
"	6	Ud	iP	16 32 32.9				m = 6.7, M = 5.5 (Up,Ki).			
"	6	De	iP	16 32 30.3			"	6	Up	i	18 46 02.7
									iRg	18 46 06.4	
									Ud	iRg	18 45 50.7
									Central Sweden.		
									Near-surface event.		
"	6	Up	i(PP)	17 13 17.2	"	6	Ud	iP	18 50 00.9		
				micr sec				i	18 50 09.4		
		Mx	E	1.3 22	"	6	Up	iP	19 08 49.1		
		Mx	N	1.4 25	"	6	Ud	iP	19 08 37.7		
		Mx	Z	3.8 27	"	6	Up	iP	19 09 57.2		
		Ki		micr sec	"	6	Ud	iP	19 09 44.4		
		Mx	N	2.1 24							
		Um	i(PP)	17 12 42.4							
			iPP	17 13 01.4							
		Ud	i(PP)	17 13 15.9							
		De	i(PP)	17 13 13.1							
				New Guinea (h = 35 km).							
				M = 5.5 (Up,Ki).							
"	6	Up	iP	18 24 43.3	"	7	Up	iP	01 25 15.3		
		Ki	iP	18 24 34.7			Um	iP	01 24 49.8		
		Sk	iP	18 24 26.8			Ud	iP	01 25 21.3		
				(cont.)			Kurile Islands (h = N).				
					"	7	Up	eP	03 43 58		
								i	03 44 10.4		
							(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976					
Feb.	8	(cont.)			Feb.	9	(cont.)			
		Um	i	08 27 02.8			Ud	iP	07 58 14.2	
			iS	08 36 44			Kurile Islands (h = N).			
		Ud	iP	08 26 11.4		"	9	De	iPKP1 09 52 41.4	
			i	08 26 56.8			Fiji Islands (h = 400 km).			
		Honduras (h = 5 km).								
		M = 5.7 (Up,Ki).					"	9	Up	iP 11 57 23.5
"	8	Ud	eP	08 43 04				i	11 57 33.4	
		Greece (h = 35 km).					Ki	iP	11 57 14.8	
"	8	Up	il	11 40 27.3				i	11 57 22.2	
		Ki	iP	11 39 38.6			Sk	iP	11 57 06.0	
		Um	iP	11 40 00.6			Um	iP	11 57 22.8	
			i	11 40 11.2				i	11 57 27.5	
		Ud	iP	11 40 30.3				i	11 57 31.7	
			il	11 40 32.9			Ud	iP	11 57 14.5	
		Kurile Islands (h = N).						i	11 57 23.6	
"	8	Ud	iP	15 22 49.1			De	iP	11 57 20.9	
								i	11 57 30.4	
							Guatemala (h = 5 km).			
"	8	Ud	iP	19 01 00.1		"	9	Up	iPKP1 13 53 07.1	
"	8	Ud	iP	20 11 44.1				Ud	iPKP1 13 53 08.1	
		De	iP	20 11 13.8				De	iPKP1 13 53 17.7	
		Turkey (h = 5 km).						Kermadec Islands (h = 45 km).		
"	8	Um	iP	21 21 01.9		"	9	Up	iPKP1 13 59 29.6	
"	9	Up	iP	02 27 56.4				Sk	iPKP1 13 59 22.4	
		Um	iP	02 27 31.8				Um	iPKP1 13 59 17.8	
		Ud	iP	02 28 02.5				Ud	iPKP1 13 59 31.3	
		De	iP	02 28 20.2				De	iPKP1 13 59 40.3	
		Kurile Islands (h = N).						Kermadec Islands.		
"	9	Up	iP	02 44 31.1		"	9	Ki	iP 19 08 26.0	
		Ki	iP	02 44 40.3 C				Ud	iP 19 09 23.7	
				micr sec				Kamchatka (h = 50 km).		
			P	Z' 0.1 1.0		"	9	Up	eP 21 42 40	
		Sk	iP	02 44 19.0 C				Ki	iP 21 42 17.4 C	
		Um	iP	02 44 38.9					micr sec	
		Ud	iP	02 44 19.7 C				P	Z' 0.9 1.8	
		De	iP	02 44 18.2 C			Sk	iP	21 42 18.3	
		Windward Islands					Um	iP	21 42 30.7 C	
		(h = 180 km).					Ud	iP	21 42 30.1	
"	9	Um	iP	05 57 26.3			De	iP	21 42 39.7	
		Ud	iP	05 57 56.6 C			Mexico (h = 50 km).			
		Japan (h = 25 km).				"	10	Up	iPKP1 04 35 32.0	
"	9	Ud	iP	06 56 23.4				Um	iPKP1 04 35 20.6	
"	9	Up	iP	07 58 08.5				Ud	iPKP1 04 35 33.2	
		(cont.)						De	iPKP1 04 35 43.3	
							Kermadec Islands (h = N).			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Feb.	10	Um	iPKP1	05 43 07.0	Feb.	11	Up	iP	07 47 15.2
		Ud	iPKP1	05 43 19.2			Ud	iP	07 47 19.1
"	10	Up	iP	06 30 27.1 C	"	11	Ud	iPKP	22 03 11.9
		Ki	iP	06 30 18.4			Samoa Islands (h = N).		
		Um	iP	06 30 23.3 C	"	12	Sk	iP	01 48 13.7
			i	06 30 29.9			Ud	iP	01 48 43.7
		Ud	eP	06 30 18	"	12	Ud	iP	01 55 33.3
		Guatemala (h = 5 km).			"	12	Up	iP	04 14 16.1
"	10	Up	iP	07 51 33.7	"	12			04 14 16.1
				micr sec					micr sec
			P	Z' 0.1 1.0					P Z' 0.1 0.8
		Ki	iP	07 50 46.3			Um	iP	04 13 50.6
			i	07 51 02.8			Ud	iP	04 14 22.1
		Um	iP	07 51 08.5			Kurile Islands (h = 50 km).		
		Ud	iP	07 51 40.2 C	"	12	Um	iPKP	08 00 31.8
		Kurile Islands (h = 45 km).					Ud	iPKP	08 00 40.9
"	10	Up	il	15 55 23.8			De	iPKP	08 00 45.9 D
		Ud	iPKP1	15 55 19.3	"	12	Up	iP	14 56 48.4 C
			il	15 55 25.5				i	14 57 11.0
"	10	Ki	iP	19 03 00.4					micr sec
		Um	iP	19 03 17.7				P	Z' 0.4 1.0
		Ud	iP	19 03 40.9			Ki	iP	14 56 14.1 C
		Volcano Islands (h = 270 km).						i	14 56 23.4
"	10	Up	iP	22 44 50.0					micr sec
			i	22 45 02.3				P	Z' 0.3 1.1
				micr sec				i	Z' 0.4 1.2
			P	Z' 0.1 1.0			Sk	iP	14 56 22.2 C
		Ki	iP	22 44 03.8 C			Um	iP	14 56 33.6 C
			i	22 44 16.0				i	14 56 42.4
				micr sec			Ud	iP	14 56 40.4 C
			P	Z' 0.1 1.0			De	iP	14 56 57.1 C
		Sk	iP	22 44 40.4			Nevada.		
		Um	iP	22 44 25.0 C			m = 6.5 (Up,Ki).		
			i	22 44 35.6			Underground explosion.		
		Ud	iP	22 44 56.0 C	"	12	Ud	iP	15 09 36.6
			i	22 45 07.6	"	12	Um	iP	18 00 32.2
		Kurile Islands (h = 45 km).			"	12	Ki	iPKP	18 13 05.3
		m = 5.9 (Up,Ki).					Um	iPKP	18 13 11.8
"	11	Um	iP	01 26 49.4			Santa Cruz Islands		
		Turkey (h = 10 km).					(h = 40 km).		
"	11	Um	iP	01 49 08.6	"	12	Ud	iP	21 04 23.5
"	11	Ki	iP	02 01 03.0	"	12	Up	iPKP1	22 13 11.9
		Ud	iP	02 01 26.5			Ud	iPKP1	22 13 13.5
		Talaud Islands (h = 90 km).						i	22 13 19.0
"	11	Um	iPKP	05 21 41.0			De	iPKP1	22 13 23.3
		Ud	iPKP	05 21 49.0			Solomon Islands (h = 70 km).		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Feb.	13	Ud	iP	02 32 28.1	Feb.	13	(cont.)
"	13	Up	i	06 27 35.3			Ud iP 08 20 05.6 C
		Sk	iPKP1	06 27 23.7			i 08 20 13.9
		Um	iPKP1	06 27 18.1			De iP 08 20 11.8
		Ud	iPKP1	06 27 31.0			Luzon (h = 45 km).
		De	iPKP1	06 27 39.7			m = 6.0, M = 6.0 (Up,Ki).
		Kermadec Islands (h = N).			"	13	Up iP 10 46 12.1
							iS 10 56
							micr sec
"	13	Up	iPKP1	06 30 27.0			P Z' 0.1 0.8
		Sk	iPKP1	06 30 19.8			Mx E 4.8 16
		Um	iPKP1	06 30 14.2			Mx N 4.8 16
		Ud	iPKP1	06 30 28.3			Mx Z 10.0 15
		Kermadec Islands.					Ki iP 10 45 53.6
"	13	Up	i	07 03 18.5			i 10 46 03.8
			iRg	07 03 22.1			micr sec
							P Z' 0.2 1.3
							i Z' 0.7 1.9
			Rg Z'	0.1 1.0			Mx E 14 16
		Ud	iPgl	07 03 09.2			Mx N 7.2 15
			i	07 03 27.8			Mx Z 18 18
			iSgl	07 03 29.5			Sk eP 10 46 18
			iRg	07 03 37.1			i 10 46 28.8
		De	eSgl	07 04 08			Um iP 10 46 00.4
		Central Sweden.					i 10 46 06.6
		Approximate location					iS 10 56 07
		59° N, 16° E.					Ud iP 10 46 20.1
		Origin time = 07 02 43.					Mindoro (h = 30 km).
		Near-surface event.					m = 6.2, M = 6.3 (Up,Ki).
"	13	Ud	iP	07 28 42.3	"	13	Um iP 12 39 15.7
"	13	Up	iP	07 32 33.1			ipP 12 39 24.8
		Ud	iP	07 32 41.2			Panama (h = N).
		Greece (h = 5 km).			"	13	Ud iP 15 04 32.8
"	13	Up	iP	08 19 55.8	"	13	Ud eP 21 09 31
			iS	08 30 12			Afghanistan-USSR (h = 170 km).
							micr sec
			P Z'	0.1 0.9	"	14	Ud iP 00 25 30.5
			Mx E	4.1 18	"	14	Up iP 01 05 02.9
			Mx N	3.9 17			Ud eP 01 05 17
			Mx Z	7.0 16	"	14	Up iPKP 03 29 48.6 C
		Ki	iP	08 19 37.4			micr sec
			i	08 19 45.9			PKP Z' 0.1 1.0
							Ki iPKP1 03 29 52.0 C
							iPKP 03 30 00.3
							micr sec
			P Z'	0.1 1.3			PKP1 Z' 0.2 1.5
			i Z'	0.2 1.3			PKP Z' 0.4 1.4
			Mx E	3.3 15			Sk iPKP 03 29 50.1 C
			Mx N	3.3 15			Um i(PKP) 03 29 47.0
			Mx Z	2.7 12			(cont.)
		Sk	iP	08 20 00.9			(cont.)
		Um	iP	08 19 43.2			
			i	08 19 51.6			
			iS	08 29 50			
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Feb. 14 (cont.)
 Um iPKP 03 29 56.0
 Ud iPKP 03 29 45.7 C
 i 03 29 54.5
 De iPKP 03 29 42.2 C
 Drake Passage (h = 40 km).

" 14 Up iPKP1 08 49 28.4
 Sk iPKP1 08 49 23.8
 Um iPKP1 08 49 18.8 C
 i 08 49 31.4
 Ud iPKP1 08 49 32.5
 De ePKP1 08 49 43
 Kermadec Islands (h = 35 km).

" 14 Up ipP 09 17 29.5
 Um iP 09 16 54.5
 ipP 09 17 08.3
 Ud eP 09 17 22
 ipP 09 17 36.3
 Japan.
 h = 50 km (Um,Ud).

" 14 Up il 09 26 12.5
 Sk il 09 26 06.6
 Um iPKP1 09 25 54.6
 il 09 26 01.0
 i2 09 26 07.3
 Ud ePKP1 09 26 07
 il 09 26 13.9
 i2 09 26 19.3
 De il 09 26 21.9
 Kermadec Islands.
 Multiple event.

" 14 Up iSgl 12 07 06.9
 Ud iSgl 10 07 05.9
 De iPgl 10 04 43.2
 iSgl 10 05 09.6
 South Baltic Sea.
 Origin time = 10 04 08.

" 14 Up iP 11 01 43.9 D
 ipP 11 03 39.8
 iS 11 11 06.7
 micr sec
 P Z' 0.5 0.9
 Sk iP 11 01 41.1 D
 iPP 11 04 55.3
 Um iP 11 01 26.4 D
 ipP 11 03 29.5
 iPP 11 04 35.6
 iS 11 10 36.7
 Ud iP 11 01 50.8 D
 ipP 11 03 51.3
 (cont.)

1976

Feb. 14 (cont.)
 Ud iS 11 11 17.7
 De iP 11 02 02.1
 Bonin Islands.
 h = 570 km (Up,Um,Ud).

" 14 Up iPKP1 11 41 17.1 C
 micr sec
 PKP1 Z' 0.1 0.6
 Sk ePKP1 11 41 10
 Um iPKP1 11 41 05.9
 iSKP1 11 44 32.5
 Ud iPKP1 11 41 18.5 C
 De iPKP1 11 41 30.0 C
 Tonga-Kermadec Islands
 (h = 230 km).

" 14 Up iP 11 41 48.3 C
 micr sec
 P Z' 0.1 0.7
 Sk iP 11 41 22.2 C
 Um iP 11 41 33.6 C
 Ud iP 11 41 40.5 C
 Nevada.
 Underground explosion.

" 14 Ud iP 13 40 57.7
 Aleutian Islands (h = 25 km).

" 14 Ud iP 14 07 09.0
 ipP 14 07 55.6
 Hindu Kush.
 h = 220 km (Ud).

" 14 Um iPP 15 37 41.0
 Ud iP 15 36 48.2
 Iran-USSR (h = N).

" 14 Up ipP 16 15 47.9
 Ud ipP 16 15 37.1
 El Salvador (h = N).

" 14 Ud iP 16 23 12.2
 De iP 16 22 42.6
 Turkey (h = N).

" 14 Ud iP 18 28 51.6
 Tibet (h = N).

" 14 Up iP 20 45 07.5 C
 Sk iP 20 45 19.9
 Um iP 20 45 03.5
 Ud iP 20 45 16.9 C
 i(PP) 20 48 34.5
 iPP 20 49 21.7
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976								
Feb.	16	Um	iP	09 32	23.9	Feb.	17	Um	iP	21 54	12.7	
		De	iP	09 33	05.9	"	17	Ki	iP	23 07	47.7	
"	16	Up	iP	09 35	28.5			Um	iP	23 07	55.6	
		De	iP	09 35	15.2			Ud	iP	23 08	16.2	
"	16	Up	iP	09 45	36.9			Philippine Islands (h = 50 km).				
		Ud	iP	09 45	46.5	"	17	Ki	iSgl	23 14	39.6	
		Formosa (h = 40 km).						Um	iSgl	23 15	12.5	
"	16	De	iP	09 48	17.6			Finland-USSR, 66.7°N, 29.2°E. M _L = 2.2 (Um). Origin time = 23 12 48. Solution from Helsinki regional bulletin.				
"	16	Ud	iP	09 55	11.1	"	18	Up	iP	00 37	34.9	
"	16	Um	iP	10 17	01.9			Um	iP	00 37	16.5	
		Ud	iP	10 17	19.8			Ud	iP	00 37	40.3	
		De	eP	10 17	16	"	18	Um	iP	04 04	42.4	
		Hindu Kush (h = 190 km).					"	18	Up	iPKP1	06 10	25.0
"	16	Up	iP	12 57	38.1			Ud	iPKP1	06 10	27.2	
		Ud	eP	12 57	43	"	18	Up	i	08 12	01.2	
		Kurile Islands (h = 45 km).						Ud	iP	08 11	55.2	
"	16	Ud	iP	13 39	07.2			Aleutian Islands (h = 40 km).				
			i	13 39	09.4	"	18	Up	iPKP1	09 43	55.7 C	
		De	iP	13 38	49.4					micr	sec	
		North Atlantic Ocean (h = N).							PKP1	Z'	0.5	1.5
"	16	De	iP	14 48	53.4			Sk	iPKP1	09 43	48.3 C	
"	16	Up	iP	14 56	34.2			Um	iPKP1	09 43	43.4 C	
		Um	iP	14 56	24.4			Ud	iPKP1	09 43	57.4 C	
		Ud	iP	14 56	46.5			De	iPKP1	09 44	06.4 C	
		Burma-China (h = N).						Kermadec Islands (h = 35 km).				
"	16	Ud	iPKP1	17 17	08.2	"	18	Up	iP	11 46	20.9	
		De	iPKP1	17 17	19.2				i	11 46	27.0	
"	16	Ud	iP	19 36	36.0					micr	sec	
"	16	Up	eP	22 15	33				P	Z'	0.1	0.6
		Ud	iP	22 15	39.9			Sk	iP	11 47	01.6	
		Eastern USSR (h = N).						Um	iP	11 47	01.3	
"	16	Ud	iP	23 52	14.7			Ud	iP	11 46	27.8	
"	17	Up	eP	08 01	44				i	11 46	32.7	
		Burma (h = N).						De	iP	11 45	48.3	
"	17	Up	iSgl	12 07	27.9			Greece (h = 35 km).				
		Ud	iSgl	12 06	24.7	"	18	Ud	iP	11 50	23.7	
"	17	Ud	iP	15 33	07.4			Japan (h = 480 km).				
		Kurile Islands (h = 15 km).					"	18	Up	iPKP1	14 36	19.8
"	17	Up	iPKP	18 13	49.9				iPKP2	14 36	25.1	
		Ud	iPKP	18 13	50.4			(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976													
Feb.	19	Up	iP	10	39	06.0	Feb.	19	(cont.)								
			ipP	10	39	57.8			Ud	i2	22	12	28.5				
		Ud	iP	10	39	06.4			De	il	22	12	40.4				
		De	iP	10	39	28.1				i2	22	12	48.4				
		Aleutian Islands.							Unimak Island (h = N).								
		h = 230 km (Up).															
"	19	Up	iSgl	13	44	44.1	"	19	Sk	iP	23	08	27.5				
		Sk	eSgl	13	44	44			Um	iP	23	08	44.0				
		Ud	iSgl	13	43	45.8			Ud	iP	23	08	35.7				
		Near coast of southwest Norway, 58.4°N, 6.4°E.							Guatemala (h = 60 km).								
		M _L = 2.7 (Up,Ud).							"	19	Um	iP	23	29	38.3		
		Origin time = 13 41 41.									Ud	iP	23	30	03.0		
		By combination with Bergen and Kongsberg readings.									De	iP	23	30	26.3		
									Unimak Island (h = 45 km).								
"	19	Up	iP	14	11	43.6	"	20	Ud	iP	02	24	38.4				
			iS	14	21	20			"	20	Sk	ePKP1	05	11	58		
				micr sec							Um	iPKP1	05	11	52.9		
		Mx	E	1.8	19						Ud	iPKP1	05	12	07.4		
		Mx	N	2.2	18				"	20	Up	iPKP	10	18	40.8		
		Mx	Z	4.3	16						Ud	iPKP	10	18	39.7		
		Ki	iP	14	11	39.1					De	iPKP	10	18	58.8		
				micr sec							"	20	Um	iP	12	34	38.3
		P	Z'	0.2	1.5						Ud	iP	12	35	09.4		
		Mx	E	1.6	14				"	20	Um	iP	12	34	38.3		
		Mx	N	1.2	16						Ud	iP	12	35	09.4		
		Mx	Z	3.8	18				"	20	Up	iP	13	44	54.9		
		Sk	iP	14	11	24.7					Sk	iP	13	45	31.3		
		Um	iP	14	11	43.4					Um	iP	13	45	10.4		
			iS	14	21	24					Ud	iP	13	45	09.5		
		Ud	iP	14	11	31.7					De	iP	13	44	53.3		
		De	iP	14	11	37.2				Iran (h = 35 km).							
		Cuba (h = 20 km).							"	20	Ud	iP	14	03	34.6		
		M = 5.6 (Up,Ki).							Alaska (h = 70 km).								
"	19	De	iP	18	00	19.5	"	20	Up	iP	14	33	30.7 C				
"	19	Up	eP	18	44	16			✓Ki	iP	14	33	20.1 C				
		Sk	iP	18	43	59.5				ipP	14	33	29.0				
		Um	iP	18	44	11.9					micr sec						
		Ud	iP	18	44	07.7				P	Z'	0.2	1.5				
		Mexico (h = N).							Sk	iP	14	33	12.2				
"	19	Ud	iP	21	44	25.5			Um	iP	14	33	28.3 C				
			i	21	44	39.8				ipP	14	33	38.0				
"	19	Up	iP	22	12	18.3			Ud	iP	14	33	21.4 C				
			i2	22	12	30.0				ipP	14	33	31.2				
		Ki	iP	22	11	21.6			De	iP	14	33	27.6				
		Sk	i2	22	12	03.6				ipP	14	33	36.8				
		Um	iP	22	11	51.3			Mexico.								
		Ud	iP	22	12	15.3			h = 35 km (Ki,Um,Ud,De).								
			il	22	12	19.1			"	20	Um	iP	15	44	19.8		
		(cont.)							Mindanao (h = 650 km).								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Feb.	20	Sk	eP	16 49 07	Feb.	21	(cont.)		
		Ud	iP	16 48 38.7			Ud	iP	04 23 28.6
		De	iP	16 48 05.4			De	iP	04 23 44.6 D
				Crete (h = 50 km).			Sea of Japan (h = 270 km). m = 5.6 (Up,Ki).		
"	20	Um	iP	18 44 01.3	"	21	Up		micr sec
				Japan (h = 30 km).			Mx	E	0.8 15
"	20	Sk	ePKP1	19 07 48			Mx	N	1.3 18
		Um	iPKP1	19 07 45.8			Mx	Z	2.4 18
		Ud	i(PKP2)	19 08 05.2			Ki		micr sec
		De	e(PKP2)	19 08 19			Mx	N	2.2 22
"	20	Up	iP	19 39 37.2			Mx	Z	1.9 20
		Um	iP	19 39 12.1			Um	ePKP	09 04 17
		Ud	iP	19 39 43.0				i	09 04 35.0
"	20	Up	eP	23 13 16				i	09 04 43.5
		Ki	iP	23 13 19.6			Ud	ePKP	09 04 24
		Sk	iP	23 13 39.8				i	09 04 45.3
		Um	iP	23 13 11.5 D			De	iPKP	09 04 32.5
		Ud	iP	23 13 32.6			Loyalty Islands (h = 50 km). M = 5.8 (Up,Ki).		
		De	iP	23 13 31.2	"	21	Ud	iPKP1	11 00 54.5
				Tadzhik-Sinkiang (h = 100 km).			De	iPKP1	11 01 05.5
"	20	Ki	iP	23 20 12.2	"	21	Up	ePKP1	11 50 30
		Sk	iP	23 20 32.6			Ud	iPKP1	11 50 31.6
		Um	iP	23 20 04.4 D			De	iPKP1	11 50 42.0
		Ud	iP	23 20 25.2	"	21	Ki	i	14 47 37.9
		De	iP	23 20 23.9			Ud	iPKP2	14 47 37.6
				Tadzhik-Sinkiang (h = 110 km).			West of Macquarie Island (h = N).		
"	20	Up	iP	23 27 16.8	"	21	Ki	iP	17 57 27.1
		Ki	iP	23 27 20.8					micr sec
		Sk	iP	23 27 40.7				P	Z' 0.1 1.0
		Um	iP	23 27 12.3 D			Ud	iP	17 57 39.9
		Ud	iP	23 27 33.4			De	eP	17 57 37
		De	iP	23 27 31.2			Java (h = 110 km).		
				Tadzhik-Sinkiang (h = 110 km).	"	21	Ud	iP	21 56 03.9
"	21	Up	iP	02 24 23.9			Panay (h = 60 km).		
		Um	iP	02 24 05.1	"	22	Up	iP	01 23 45.4
		Ud	iP	02 24 30.7			Ki	iP	01 23 06.5
				Ryukyu Islands (h = N).			Sk	iP	01 23 39.4
"	21	Up	iP	04 23 20.9 D			Um	iP	01 23 23.4 C
			iPcP	04 23 48.3			Ud	iP	01 23 52.2
				micr sec			De	iP	01 24 06.7
			P	Z' 0.1 0.6			Japan (h = 100 km).		
		Ki	iP	04 22 39.2 D	"	22	Up	iP	03 37 13.5
				micr sec			Ki	iP	03 37 27.2
			P	Z' 0.1 0.8			(cont.)		
		Sk	iP	04 23 14.5			(cont.)		
		Um	iP	04 22 57.7 D			(cont.)		
				(cont.)			(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
Feb.	22	Ud	iP	22 49 32.7	Feb.	23	Ud	iP	07 24 35.1		
		Greece (h = 20 km).				"	23	Ud	iP	07 56 43.3	
	"	22	Up	iP	22 51 16.2			Atlantic Ocean (h = N).			
			Ud	iP	22 51 31.0		"	23	Up	iP	09 14 22.4
	"	22	Up	iP	22 59 12.9				iS	09 24 05	
				i	22 59 17.4					micr sec	
					micr sec				P	Z' 0.2 1.0	
					P Z' 0.1 0.9				Mx	E 20 23	
					i Z' 0.1 0.9				Mx	N 40 21	
			Ki	iP	23 00 29.9				Mx	Z 10 20	
			Sk	iP	22 59 56.1			Ki	iP	09 13 58.9	
			Um	iP	22 59 52.9				i	09 14 10.4	
			Ud	iP	22 59 20.0					micr sec	
				i	22 59 25.9				P	Z' 0.2 1.3	
			De	iP	22 58 43.3				Mx	E 10 17	
			Greece (h = N).						Mx	N 21 15	
	"	22	Up	iP	23 01 08.0				Mx	Z 5.0 18	
				il	23 01 11.6			Sk	iP	09 14 27.0	
			Ki	el	23 02 30				i	09 14 38.2	
			Sk	iP	23 01 48.5			Um	iP	09 14 08.8	
				il	23 01 51.4				i	09 14 10.4	
			Ud	il	23 01 19.2			Ud	iP	09 14 32.8	
			Greece (h = N).						i	09 14 35.1	
	"	22	Up	iPKP1	23 54 14.4			De	iP	09 14 39.8	
				ipPKP1	23 54 24.2				i	09 14 47.5	
					micr sec				iPP	09 17 42.1	
					pPKP1 Z' 0.3 1.8			Formosa (h = N).			
			Sk	iPKP1	23 54 06.6			m = 6.0, M = 6.5 (Up,Ki).			
				ipPKP1	23 54 16.3		"	23	Um	iP	10 18 55.9
			Um	iPKP1	23 54 01.8			Turkey (h = 25 km).			
			Ud	iPKP1	23 54 15.6		"	23	Up	iP	15 25 01.5
				ipPKP1	23 54 25.7				ipP	15 25 07.5	
			De	iPKP1	23 54 24.7				iS	15 33 58	
				ipPKP2	23 54 32.0					micr sec	
			Kermadec Islands.						P	Z' 0.1 1.0	
			h = 35 km (Up,Sk,Ud).						pP	Z' 1.0 1.7	
	"	23	Up	iPKP1	03 06 44.5				Mx	E 3.4 15	
			Sk	iPKP1	03 06 36.0				Mx	N 3.9 15	
			Ud	iPKP1	03 06 45.1				Mx	Z 12 18	
			De	iPKP1	03 06 54.7			Ki	iP	15 24 16.6	
			Kermadec Islands.						ipP	15 24 22.4	
	"	23	Up	iP	03 19 58.4					micr sec	
			Ki	iP	03 19 05.3				pP	Z' 0.8 1.7	
			Sk	iP	03 19 36.5				Mx	E 4.0 15	
			Um	iP	03 19 32.2				Mx	N 9.2 20	
				i	03 19 43.9				Mx	Z 6.1 16	
			Ud	iP	03 19 57.7			Sk	ipP	15 24 38.7	
			De	iP	03 20 20.6			Um	iP	15 24 40.9	
			Aleutian Islands (h = 25 km).						ipP	15 24 45.9	
									iS	15 33 16	

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Feb.	23	(cont.)		Feb.	24	Up	iP	17 48 16.9 C
		Ud	iP					17 48 16.9 C
			ipP				P	Z' 0.1 1.3
		De	iP			Sk	iP	17 48 11.4 C
			ipP			Um	iP	17 47 54.7 C
		Queen Charlotte Islands.				Ud	iP	17 48 24.5
		h = 20 km (Up,Ki,Um,Ud,De).				Japan (h = 100 km).		
		m = 6.7, M = 5.9 (Up,Ki).						
"	23	Up	iP	"	24	Ud	iP	22 06 46.3
		Ki	iP			Kashmir-Tibet (h = N).		
		Um	iP	"	25	Um	iP	00 22 22.2
		Ud	iP	"	25	Ki	ipP	16 41 50.3
		Mariana Islands (h = 210 km).				Um	ipP	16 41 59.1
"	23	Ud	ipP			Ud	iP	16 41 30.8
		Queen Charlotte Islands				Costa Rica (h = 70 km).		
		(h = N).		"	25	Ki	iP	20 21 21.6
"	23	Up	iP				i	20 21 26.4
			i				iS	20 22 56.8
						South Svalbard,		
						76.7°N, 15.9°E.		
						Origin time = 20 19 05.		
						Solution from Helsinki		
						regional bulletin.		
				"	25	Ud	iP	20 36 48.2
						Aleutian Islands (h = 45 km).		
"	23	Up	ipKP1	"	26	Up	iP	11 26 52.1
		Um	ipKP1					11 26 52.1
			i				P	Z' 0.1 0.7
		Ud	ipKP1			Ki	iP	11 27 01.1
		De	ipKP1			Um	iP	11 26 50.4
		Aegean Sea (h = N).				Ud	iP	11 27 08.7
		m = 5.5 (Up,Ki).				De	iP	11 27 04.7
"	23	Up	ipKP1			Hindu Kush (h = 190 km).		
		Um	ipKP1	"	26	Um	ipKP1	14 06 06.0
			i				i	14 06 20.3
		Ud	ipKP1			Ud	ipKP1	14 06 18.3
		De	ipKP1	"	26	Up	iP	15 18 21.7
"	23	Um	iP					15 18 21.7
			i				P	Z' 0.3 1.5
		Cuba (h = N).				Um	iP	15 18 00.9
"	24	Ud	ipKP1				i	15 18 17.9
		De	ipKP1			Japan (h = 50 km).		
			i					
"	24	Ki	i	"	26	Um	iP	17 02 18.5
		Um	iP			Japan (h = 130 km).		
			i	"	27	Up	iP	04 11 07.6
		Ud	iP			Um	iP	04 11 02.1
		Molucca Passage (h = 50 km).						

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Feb.	27	Up	iPKP1	11 20 20.5	Feb.	28	(cont.)
				micr sec			Chile (h = 10 km).
			PKP1	Z' 0.1 0.6			M = 5.6 (Up,Ki).
		Ud	iPKP1	11 20 21.8	"	29	Up iP 09 38 39.4
		De	iPKP1	11 20 30.9 C			Um iP 09 38 17.7 C
				Kermadec Islands (h = 150 km).			Ud iP 09 38 46.9
"	27	Um	iP	17 00 06.0			De iP 09 39 02.0
							Japan (h = 55 km).
"	28	Ud	iP	00 25 32.2	"	29	Up iPKP1 11 40 53.0 C
				Sunda Strait (h = 60 km).			Sk iPKP1 11 40 47.3
							Um iPKP1 11 40 42.5 C
	28	Up	iPKP1	04 43 50.9			i 11 40 46.7
		Um	iPKP1	04 43 38.8			Ud iPKP1 11 40 55.2 C
		Ud	iPKP1	04 43 52.7	"	29	Ud iPKP 19 52 43.3
		De	iPKP1	04 44 01.1 C			Tonga Islands (h = N).
				Kermadec Islands (h = 20 km).			
"	28	Ud	iP	05 42 42.9	"	29	Um eP 20 40 07
"	28	Up	iPKP1	05 54 28.1			Ud eP 20 39 32
		Sk	iPKP1	05 54 20.9			Albania (h = 10 km).
		Um	iPKP1	05 54 15.1	"	29	Up iPKP1 23 09 55.3 C
		Ud	iPKP1	05 54 29.7			micr sec
		De	iPKP1	05 54 38.8			PKP1 Z' 0.1 0.7
				Kermadec Islands.			Ki iPKP1 23 09 37.8
"	28	Up	iPKP1	11 45 12.4			Sk iPKP1 23 09 47.4
		Sk	i	11 45 16.1			i 23 09 50.8
		Um	iPKP1	11 44 59.9			Um i(PKP) 23 09 42.5
		Ud	iPKP1	11 45 13.2			iPKP1 23 09 44.3
		De	iPKP1	11 45 21.9			i 23 09 47.8
				Kermadec Islands (h = 45 km).			Ud iPKP1 23 09 57.3 C
"	28	Up	iPKP	13 02 28.9			i 23 09 59.8
		Ki	i(PKP)	13 02 07.9			De iPKP1 23 10 06.1 C
			iPKP	13 02 15.4			Kermadec Islands (h = 60 km).
		Um	iPKP	13 02 21.3			
		Ud	iPKP	13 02 30.6			
				New Hebrides Islands			
				(h = 5 km).			
"	28	Ud	iP	13 06 00.9			
"	28	Um	iP	14 19 47.4			
"	28	Up		micr sec			
		Mx	E	1.7 22			
		Mx	Z	3.0 22			
		Ki	iPKP	16 46 15.8			
				micr sec			
			PKP	Z' 0.4 2.0			
			Mx	E 1.6 24			
			Mx	Z 5.1 23			
		Um	iPKP	16 46 13.0			
		Ud	iPKP	16 46 04.9 C			
				(cont.)			

Ota Kulhánek
Klaus Meyer
Rutger Wahlström

December 9, 1977

BOX 511
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

MARCH 1 - 31, 1976

1976				1976					
Mar.	1	Ki	iP	03 49 45.5	Mar.	2	(cont.)		
		Um	iP	03 49 43.6			Um	iPgl	15 58 32.2
		Ud	iP	03 49 58.8				iSgl	15 59 20.1
		Java (h = 100 km).					Central Norway,		
"	1	Um	iP	09 54 05.0			64.9°N, 12.1°E.		
"	1	Up	i(P)	15 34 24.7			M _L = 2.4 (Ki,Sk,Um).		
"	1	Up	iP	18 38 00.5	"	2	Up	iPKP1	16 06 15.8
		Ki	iP	18 37 08.4			Um	iPKP	16 06 03.4
		Um	iP	18 37 33.1				iPKP1	16 06 04.9
		Kamchatka (h = 45 km).					Ud	iPKP1	16 06 17.2
"	1	Up	iP	19 11 06.1 C			South of Kermadec Islands		
		Ki	iP	19 11 34.9	"	2	Up	eP	19 46 01
		Um	iP	19 10 48.2				micr	sec
		Ud	iP	19 11 13.0 C			Mx	E	1.2 9
		Bonin Islands (h = 460 km).				Ki	iP	19 47 18.4	
"	2	Up	iP	03 01 35.4			i	19 47 30.8	
		Um	iP	03 01 13.8				micr	sec
		Japan (h = 55 km).					Mx	E	1.7 11
"	2	Um	iPKP	11 09 41.2			Mx	N	2.1 12
		Ud	iPKP	11 09 49.7			Sk	iP	19 46 43.7
		De	iPKP	11 09 57.8			Um	iP	19 46 41.3
		Solomon Islands (h = 60 km).					Ud	iP	19 46 07.2
"	2	Ki	iP	12 43 27.8			De	i	19 45 31.3
		Sk	iP	12 43 49.8	"	2	Um	iP	22 11 17.4
		Um	iP	12 43 20.5	"	3	Ki	iP	00 43 35.3
		Ud	iP	12 43 41.5			Um	iP	00 43 47.3
		De	iP	12 43 40.4			Ud	iP	00 44 16.6
		Tadzhik-Sinkiang (h = 55 km).					Japan (h = N).		
"	2	Ki	iSgl	15 59 45.1	"	3	Um	iPKP1	06 57 36.7
		Sk	iSgl	15 58 10.0			Kermadec Islands (h = N).		
		i		15 58 12.6					
		(cont.)							

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Mar.	3	Ud	iP	18 33 03.0	Mar.	4	(cont.)
		Afghanistan-USSR (h = 160 km).				De	i(PKP) 03 08 55.8
"	3	Ki	i	23 04 16.6			iPKP 03 09 08.0
			iPP	23 08 15.1			ipPKP 03 09 36.6
		Um	i	23 04 18.1			iSKP1 03 12 28.4
			iPP	23 08 19.0			i 03 13 15.6
		Ud	iPKP	23 08 28.6			iSKKP 03 21 16.6
			iPP	23 08 46.4			New Hebrides Islands.
		Flores Island (h = 30 km).					h = 100 km (Sk,Um,Ud,De).
"	3	Um	iP	23 26 36.1			M = 6.5 (Up,Ki).
"	4	√Up	i(PKP)	03 08 43.3			Extremely large amplitudes of
			iPKP	03 08 59.6	"	4	Up iP 05 03 47.2
			iPP	03 11 16.8			Um iP 05 03 27.8
			iSKP1	03 12 14.0			Ud iP 05 03 56.0
			iSKS	03 15 58.4			Japan (h = 110 km).
			iSKKS	03 17 56.4	"	4	Up iS 10 35 55.6
			iSKKP	03 21 26.5			i 10 36 33.2
				micr sec			Ki iP 10 32 17.3 C
		PKP	Z'	0.5 1.5			iS 10 34 02.6
		PP	Z'	0.4 1.5			i 10 34 18.6
		SKP1	Z'	1.5 1.0			micr sec
		Mx	E	8.1 22			P Z' 0.3 1.6
		Mx	N	12 21			Mx E 1.8 15
		Mx	Z	22 21			Mx N 2.4 15
		√Ki	i(PKP)	03 08 43.6			Mx Z 1.9 15
			iPKP	03 08 46.3			Sk iP 10 32 22.5
			iPP	03 10 24.6			i 10 32 24.8
			i	03 18 40.0			iS 10 34 13.8
				micr sec			Um iP 10 32 53.6
		PKP	Z'	0.4 0.8			iS 10 35 03.0
		PP	Z'	0.7 2.1			Ud iP 10 33 09.2
		Mx	E	4.1 21			iS 10 35 33.6
		Mx	N	8.6 22			Jan Mayen (h = N).
		Mx	Z	6.6 20	"	4	Ud iSgl 15 18 52.0
		Sk	iPKP	03 08 57.0			De iPgl 15 18 01.3
			ipPKP	03 09 23.5			iSgl 15 18 18.7
			iPP	03 10 59.6			i(Sn) 15 18 22.3
			iSKP1	03 12 08.2			iRg 15 18 28.0
		Um	i(PKP)	03 08 41.1			South Sweden.
			i(PKP)	03 08 43.1			Origin time = 15 17 38.
			ipPKP	03 08 52.0			Near-surface event.
			ipPKP	03 09 17.4	"	4	Up iP 19 25 01.0
			iPP	03 10 47.8			Ki iP 19 24 46.7
			iSKP1	03 12 02.5			Um iP 19 24 51.2
			i	03 13 28.9			Ud iP 19 25 09.9
			iSKS	03 15 47.8			Talaud Islands (h = 100 km).
			iSKKS	03 17 33.4	"	5	Ud iP 00 28 47.7
		Ud	i(PKP)	03 08 47.3			Fiji Islands (h = 320 km).
			ipPKP	03 09 01.4			
			ipPKP	03 09 27.1			
			iPP	03 11 15.6			
			iSKP1	03 12 18.1			
			i	03 13 05.7			

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Mar.	5	Ud	iP	06 00 29.4	Mar.	6	Ud	iP	16 41 17.8
"	5	Sk	iPKP2	06 24 12.6	"	6	Ud	iP	16 46 01.6
		Um	iPKP1	06 24 06.5	"	6	Up	iP	17 06 08.5
		Ud	iPKP1	06 24 19.0			Sk	eP	17 06 05
		i		06 24 31.4			Um	iP	17 05 47.6 D
		South of Kermadec Islands					Ud	iP	17 06 16.0 D
		(h = N).					Japan (h = 310 km).		
"	5	Up	iPKP1	08 18 19.8	"	6	Ki	iP	17 57 35.8
		Ud	iPKP1	08 18 21.6			Um	eP	17 58 03
		De	iPKP1	08 18 29.9			Ud	iP	17 58 28.5
		Kermadec Islands (h = 50 km).							
"	5	Up	il	10 44 49.8	"	6	Up	i(P)	18 25 44.2
		Sk	i	10 44 39.8			i		18 26 00.0
		Um	iPKP1	10 44 29.2	"	6	Up	iP	20 30 57.3
		Ud	iPKP1	10 44 42.0					micr sec
		il		10 44 52.1			Mx	E	1.7 13
"	5	Ki	i(P)	14 12 25.8			Ki	iP	20 30 23.3
		Um	i(P)	14 11 16.1			i		20 30 33.1
									micr sec
"	5	Up	iPKP1	18 46 28.1 C			P	Z'	0.1 1.3
		Ud	iPKP1	18 46 30.0 C			Mx	N	2.5 13
		De	iPKP1	18 46 40.3			Sk	iP	20 30 03.1
		Tonga-Kermadec Islands					Um	iP	20 30 43.8
		(h = 560 km).					i		20 30 47.0
"	5	Up	iP	20 53 22.1			Ud	iP	20 30 34.4
		Um	iP	20 54 03.3			i		20 30 40.2
		Ud	iP	20 53 32.0			Iceland (h = 5 km).		
		Greece (h = N).					M = 4.5 (Up,Ki).		
"	6	Up	iP	11 20 39.3	"	7	Ki	iP	00 50 48.2
		Ki	iP	11 20 25.1			Um	iP	00 50 28.7
		Sk	iP	11 20 44.8			Ud	iP	00 50 33.2
		Um	iP	11 20 29.3			Iran (h = 60 km).		
		Ud	iP	11 20 47.8	"	7	Um	iP	02 17 35.4
		Celebes (h = 50 km).		"	7	Up	iP	03 06 50.6	
"	6	Ud	iP	12 31 59.6			Ki	iP	03 06 39.4 D
		Alaska Peninsula (h = 160 km).						micr sec	
"	6	Up	eP	13 42 21			P	Z'	0.2 1.3
		Ud	iP	13 42 35.7			Sk	iP	03 06 32.3
		De	iP	13 42 17.6			Um	iP	03 06 47.9 D
		Iran (h = N).					Ud	iP	03 06 41.0 D
							De	iP	03 06 47.6
							Guatemala (h = 5 km).		
"	6	Up	iPKP	15 25 17.6	"	7	Up	iP	03 28 25.9
		Um	iPKP	15 25 11.2			Ki	iP	03 28 15.2 D
		Ud	ePKP	15 25 19					micr sec
		De	iPKP	15 25 26.3			P	Z'	0.2 1.7
		Solomon Islands (h = 45 km).					(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Mar.	7	(cont.)		Mar.	8	(cont.)			
		Sk	iP	03 28		Ki	eP	02 38 52	
		Um	iP	03 28		Um	iP	02 39 18.3	
			i	03 29		Ud	iP	02 39 45.3	
		Ud	iP	03 28		Aleutian Islands (h = 55 km).			
		De	iP	03 28					
		Guatemala (h = 5 km).			"	8	Um	iP	03 36 23.1
							Ud	iP	03 36 38.1
"	7	Ud	iPKP	08 42	"	8	Up	iPP	05 00 35.6
		De	iPKP	08 43			Ki	iPKP	04 58 39.1
"	7	Up	iP	09 54			ePP	04 59 54	
			ipP	09 54				micr sec	
							Mx	E	2.6 20
			pP	Z' 0.1			Mx	N	2.6 19
		Sk	iP	09 54			Mx	Z	2.7 18
			ipP	09 54		Sk	iPKP	04 58 49.4	
		Um	iP	09 54		Um	iPKP	04 58 44.0 C	
			ipP	09 54			iPKKP	05 08 46.0	
		Ud	iP	09 54		Ud	iPKP	04 58 54.2	
			ipP	09 54			i	04 59 04.2	
		Oregon.					iPP	05 00 50.7	
		h = 25 km (Up,Sk,Um,Ud).				De	iPKP	04 58 58.1	
						Santa Cruz Islands (h = 45 km).			
"	7	Ud	iP	10 10	"	8	Up	iPKP1	14 57 51.2
"	7	Up	iP	10 20			i	14 57 58.3	
		Ud	iP	10 20		Sk	iPKP1	14 57 46.7	
"	7	Ud	iP	12 23		Um	iPKP1	14 57 41.0 D	
						Ud	iPKP1	14 57 53.7	
"	7	Up	iP	12 26			i	14 58 01.4	
		Ud	iP	12 27		De	iPKP1	14 58 01.2	
		Hindu Kush (h = 25 km).					iP	14 58 15.2	
"	7	Ud	iP	21 46	"	8	Up	iPKP1	17 08 16.5
"	7	Um	iP	21 59			i	17 08 28.3	
		Ud	iP	21 58				micr sec	
"	7						PKP1	Z' 0.1 1.0	
		Sk	iP	22 01		Sk	iPKP1	17 08 07.5	
		Um	iP	22 01		Um	iPKP1	17 08 04.2	
"	7	Ki	iP	22 01			i	17 08 15.1	
		Sk	iP	22 01		Ud	iPKP1	17 08 17.8	
		Um	iP	22 01			i	17 08 28.7	
		Ud	iP	22 01		De	iPKP1	17 08 25.4	
		Mexico (h = 90 km).				Kermadec Islands (h = 40 km).			
"	8	Up	iPKP1	00 12	"	8	Up	iPKP1	19 11 51.7
		Sk	iPKP1	00 12			i	19 12 06.8	
		Um	iPKP1	00 12				micr sec	
		Ud	iPKP1	00 12			i	Z' 0.1 1.0	
		Kermadec Islands (h = N).				Sk	iPKP1	19 11 46.2	
"	8	Up	iP	02 39			i	19 12 02.2	
						Um	iPKP1	19 11 41.7	
							i	19 11 53.2	
		P	Z' 0.1	1.0		Ud	iPKP1	19 11 55.0	
		(cont.)				(cont.)			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Mar.	8	(cont.)		Mar.	9	(cont.)	
		De	iPKP1 19 12 03.6			Up	micr sec
		Kermadec Islands (h = N).				PKP1 Z'	0.1 1.0
"	8	Ud	iP 20 19 46.3			Ki	ePKP1 10 35 27
			i 20 20 03.0			Sk	iPKP1 10 35 33.3
							i 10 35 35.4
"	8	Um	iP 20 22 26.9			Um	iPKP1 10 35 28.5
						Ud	iPKP 10 35 41.7
							iPKP1 10 35 44.4 C
"	8	Up	iPKP 20 25 28.6			De	iPKP 10 35 51.0
			micr sec				iPKP1 10 35 53.1 C
		Mx	E 2.3 20			Kermadec Islands (h = 70 km).	
		Mx	N 3.8 21		"	9	Um iP 11 12 06.8
		Mx	Z 6.3 23				i 11 12 09.0
		Ki	iPKP 20 25 15.1		"	9	Ki eP 11 32 03
			micr sec				Ud iP 11 31 39.4
		Mx	E 3.5 23			North Atlantic Ocean (h = N).	
		Mx	N 2.5 20		"	9	Sk iSgl 11 49 35.0
		Mx	Z 3.8 20				Ud iSgl 11 49 17.8
		Sk	iPKP 20 25 26.0		"	9	Sk iSgl 11 50 34.5
		Um	iPKP 20 25 21.2 C				Ud iSgl 11 50 17.8
		Ud	iPKP 20 25 30.1		"	9	Up iP 14 11 48.1 C
		De	iPKP 20 25 37.5				i 14 12 01.1
		Santa Cruz Islands (h = 70 km).					micr sec
		M = 6.1 (Up,Ki).					P Z' 0.1 1.0
"	8	Up	iPKP1 22 55 06.2		"	9	Ki iP 14 11 13.7 C
			i 22 55 17.9				i 14 11 30.0
		Sk	ePKP1 22 55 00				micr sec
		Um	iPKP1 22 54 55.9				P Z' 0.1 1.1
		Ud	iPKP1 22 55 07.3			Sk	iP 14 11 21.9 C
			i 22 55 19.5			Um	iP 14 11 33.4 C
		De	iPKP1 22 55 16.4			Ud	iP 14 11 40.0 C
			i 22 55 28.0			De	iP 14 11 56.4 C
"	9	Ki	eP 01 17 16			Nevada.	
		Um	iP 01 17 18.4			m = 5.9 (Up,Ki).	
"	9	Ud	iP 05 43 17.4			Underground explosion.	
"	9	Up	iP 07 55 21.7		"	10	Um iP 01 54 00.9
			micr sec				Ud iP 01 54 11.9
		P	Z' 0.1 1.0			Sumatra (h = 45 km).	
		Ki	iP 07 55 10.9		"	10	Up iPKP1 03 33 12.1
			micr sec				iSKP1 03 36 02.2
		P	Z' 0.1 1.0			Ki	iPKP 03 33 05.4
		Sk	iP 07 55 03.1				iSKP1 03 35 39.3
		Um	iP 07 55 18.4			Sk	iSKP1 03 35 55.9
		Ud	iP 07 55 11.6			Um	i(PKP) 03 33 05.3
		De	iP 07 55 18.1				iPKP 03 33 11.5
		Guatemala (h = 5 km).					iSKP1 03 35 50.9
		m = 6.0 (Up,Ki).				(cont.)	
"	9	Up	iPKP1 10 35 43.1 C				
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 10 (cont.)
 Ud iPKP1 03 33 13.3
 iSKP1 03 36 03.9
 De iPKP1 03 33 25.4 D
 Fiji Islands (h = 580 km).

" 10 Up iP 03 54 48.9
 Sk eP 03 55 28
 Um iP 03 55 25.0
 Ud iP 03 54 56.3
 Greece (h = 30 km).

" 10 Up eP 04 46 58
 Ki eP 04 47 27
 Um iP 04 47 09.9
 Ud iP 04 47 13.3
 De i 04 47 06.8
 Iran (h = 70 km).

" 10 Up iP 06 40 58.0
 i 06 41 05.7
 micr sec
 P Z' 0.2 1.0
 Ki iP 06 40 05.3
 Um iP 06 40 31.5
 Ud iP 06 40 59.1
 De iP 06 41 20.9
 Aleutian Islands (h = 60 km).

" 10 Up iP 09 08 31.2
 micr sec
 P Z' 0.1 1.0
 Ki eP 09 07 37
 Ud iP 09 08 31.8
 Aleutian Islands (h = 60 km).

" 10 ✓ Up iP 09 16 05.2 C
 ipP 09 16 24.9
 iP'P' 09 44 07.1
 micr sec
 P Z' 0.1 1.0
 pP Z' 0.4 1.6
 Mx E 3.8 22
 Mx N 2.0 22
 Mx Z 6.3 24
 ✓ Ki iP 09 16 14.6 C
 ipP 09 16 34.2
 iP'P' 09 44 01.5
 micr sec
 P Z' 0.2 1.0
 pP Z' 1.1 1.7
 Mx E 4.1 21
 Mx N 2.3 19
 Mx Z 4.2 21
 (cont.)

1976

Mar. 10 (cont.)
 Sk iP 09 15 52.1 C
 ipP 09 16 11.9
 Um iP 09 16 13.3 C
 ipP 09 16 32.9
 Ud iP 09 15 53.4 C
 ipP 09 16 11.3
 iP'P' 09 44 11.7
 De iP 09 15 52.6 C
 ipP 09 16 11.2
 Leeward Islands.
 h = 80 km (Up,Ki,Sk,Um,Ud,
 De).
 m = 6.3, M = 5.8 (Up,Ki).

" 10 Up iPKP2 09 51 01.6
 i 09 51 10.8
 Sk ePKP1 09 50 48
 i 09 50 54.0
 Um iPKP1 09 50 42.7
 i 09 50 49.8
 Ud iPKP1 09 50 56.1
 i 09 51 01.4
 De ePKP1 09 51 07
 i 09 51 12.6
 Kermadec Islands (h = N).

" 10 Um iP 12 39 28.5

" 10 Ud iP 12 54 11.3

" 10 Up iPKP1 13 47 11.4
 i 13 47 22.6
 Ud iPKP1 13 47 12.4
 i 13 47 24.0

" 10 Ud i(P) 13 53 23.3
 De i(P) 13 53 06.7

" 10 Up iP 16 02 42.1
 Ki eP 16 02 17
 Um iP 16 02 28.2
 Ud eP 16 02 53
 Formosa (h = N).

" 10 Up iRg 19 37 51.4
 Ud iRg 19 37 39.4
 Central Sweden.
 Near-surface event.

" 10 Up iP 20 54 07.7
 Ki iP 20 54 07.4 C
 micr sec
 P Z' 0.1 0.7
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 10 (cont.)
 Sk iP 20 54 21.3
 Um iP 20 54 04.8 C
 Ud iP 20 54 17.4
 Sumatra (h = 80 km).

" 11 Up iP 00 42 39.2
 i 00 42 53.7
 Ki iP 00 42 33.4
 Sk iP 00 42 55.9
 Um iP 00 42 31.6
 i 00 42 45.7
 Ud iP 00 42 53.2
 i 00 43 07.3

" 11 Up iP 01 03 30.7
 Ki iP 01 03 30.0
 Um iP 01 03 27.7
 Sumatra (h = 70 km).

" 11 Up iP 13 57 27.0
 micr sec
 P Z' 0.1 1.0
 Ki iP 13 56 33.9
 Um iP 13 56 59.8
 Ud iP 13 57 27.4
 Aleutian Islands (h = 60 km).

" 11 Up iP 15 07 38.4
 Ki iP 15 07 14.1
 Um iP 15 07 22.4
 Ud iP 15 07 49.2
 Ryukyu Islands (h = N).

" 11 Up iP 18 26 34.4
 i 18 26 38.0
 i 18 26 48.8
 micr sec
 P Z' 0.1 0.9
 i Z' 0.1 0.9
 Ki iP 18 26 05.4
 Sk iP 18 26 33.7
 Um iP 18 26 17.1
 i 18 26 20.2
 i 18 26 30.8
 Ud iP 18 26 44.0
 De iP 18 26 54.9
 Ryukyu Islands (h = 35 km).

" 11 Up iP 18 59 24.7
 Ki iP 18 59 28.8
 micr sec
 P Z' 0.1 0.9
 Sk iP 18 59 48.7
 Um iP 18 59 20.9
 (cont.)

1976

Mar. 11 (cont.)
 Ud iP 18 59 40.9
 i 18 59 45.1
 De iP 18 59 38.5
 i 18 59 42.6
 Kashmir (h = 55 km).

" 11 Ki ePKP1 20 27 06
 Um iPKP1 20 27 13.1
 Ud iPKP1 20 27 26.5
 De ePKP1 20 27 35

" 11 Up ipP 20 53 00.1
 Ki eP 20 52 40
 Sk ipP 20 52 47.6
 Um iP 20 52 46.5
 i 20 53 00.6
 Ud iP 20 52 33.3
 ipP 20 52 50.1
 De eP 20 52 34
 ipP 20 52 51.3
 Colombia.
 h = 70 km (Ud,De).

" 12 Ud iP 04 48 09.0
 Samar (h = 90 km).

" 12 Up iP 06 01 12.7
 Ki eP 06 00 20
 Ud iP 06 01 15.3
 Aleutian Islands (h = 60 km).

" 12 De i(P) 09 25 25.7

" 12 De i(P) 09 47 14.6

" 12 De i(P) 11 47 19.8

" 12 De iP 12 31 36.5

" 12 Up iPgl 14 56 47.1
 iSgl 14 57 06.8
 iRg 14 57 11.5
 Sk i 14 58 06.9
 Um iSgl 14 57 50.1
 Ud iPgl 14 56 56.1
 iSgl 14 57 22.9

Hälsingland, Sweden,
 61.3°N, 16.9°E.

$M_L = 1.7$ (Up,Um,Ud).

Origin time = 14 56 20.

Near-surface event.

" 12 Up iP 16 09 19.9
 Ki iP 16 10 13.2
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 12 (cont.)
 Sk iP 16 09 44.5
 Um iP 16 09 47.6 C
 Ud iP 16 09 20.6 C
 De iP 16 08 55.4 C
 Gabon (h = N).

" 12 Up iP 17 06 58.6
 i 17 07 07.9
 Ki iP 17 06 27.6
 Sk iI 17 07 10.8
 Um iP 17 06 39.7
 iI 17 06 58.5
 Ud eP 17 07 04
 De i 17 07 26.2
 Mariana Islands (h = 50 km).

" 12 Up ePKP1 20 46 41
 Um iPKP1 20 46 28.1
 Ud iPKP1 20 46 41.0

" 12 Up iPgl 23 22 45.8 D
 i 23 22 52.9
 i 23 23 03.2
 iSgl 23 23 04.3
 Ki iSn 23 25 13.2
 i 23 25 35.1
 iSgl 23 25 51.4
 Sk iPgl 23 23 16.6
 iSgl 23 23 58.6
 Um iPn 23 23 08.2
 iPgl 23 23 12.9
 iSn 23 23 41.8
 iSgl 23 23 50.7
 Ud iPgl 23 22 53.9
 i 23 23 03.1
 iSgl 23 23 19.5
 De iSn 23 24 33.5
 i 23 24 53.5
 iSgl 23 24 58.2

Hälsingland, Sweden,
 61.2°N, 17.0°E.
 $M_L = 3.2$ (Up, Ki, Sk, Um, Ud, De).
 Origin time = 23 22 21.
 Felt.

" 12 Up iP 23 35 47.9
 Ki iP 23 35 57.5
 Sk iP 23 36 14.0
 Um iP 23 35 46.7 C
 Ud iP 23 36 04.4 C
 De iP 23 35 59.2
 Hindu Kush (h = 160 km).

" 13 Sk iP 03 20 38.2
 (cont.)

1976

Mar. 13 (cont.)
 Um iP 03 20 53.3
 Central America (h = 20 km).

" 13 Up i 05 41 39.6
 iPKKP 05 52 01.3
 Ki epPKP 05 41 24
 micr sec

Mx E 3.8 24
 Mx N 3.6 24
 Mx Z 6.2 25
 Um e(PKP) 05 41 06
 iPKP 05 41 18.9
 ipPKP 05 41 33.2
 iPKKP 05 52 16.1
 Ud epPKP 05 41 37
 i 05 42 00.5
 iPKKP 05 51 55.5
 De iPKP 05 41 32.9
 ipPKP 05 41 47.9

Solomon Islands.
 h = 50 km (Um, De).

" 13 Um iP 09 37 44.1
 Ud iP 09 37 48.0
 Caucasus (h = N).

" 13 Ud iP 14 19 18.3

" 13 Ki iSKP1 15 44 45.4
 Um iSKP1 15 44 57.2
 Ud iPKP1 15 42 24.3
 De iPKP1 15 42 35.4
 Fiji Islands (h = 640 km).

" 13 ✓ Up iP 16 43 25.4
 ipP 16 43 27.0
 iS 16 53 58
 micr sec
 pP Z' 0.1 1.0
 Mx E 1.9 20
 Mx Z 4.5 22
 ✓ Ki iP 16 43 13.7
 ipP 16 43 16.4
 micr sec

pP Z' 0.2 1.2
 Mx E 2.3 22
 Mx N 2.1 20
 Mx Z 3.2 23

Sk iP 16 43 06.8
 ipP 16 43 08.9
 Um iP 16 43 22.5
 ipP 16 43 24.4
 iS 16 53 50

Ud iP 16 43 14.6
 ipP 16 43 16.8
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Mar.	13	(cont.)		Mar.	14	(cont.)	
		De	iP 16 43 22.3			Um	iP 12 41 33.3 C
			ipP 16 43 24.2			Ud	iP 12 41 40.1 C
		Guatemala.					i 12 42 05.9
		h = 5 km (Up,Ki,Sk,Um,Ud,De).				De	iP 12 41 56.7 C
		m = 6.1, M = 5.8 (Up,Ki).				Nevada.	
"	13	Ud	iP 18 38 06.7			Underground explosion.	
"	13	Um	iP 18 54 42.0	"	14	Um	iP 13 00 30.7
"	13	Up	iP 21 56 58.6				i 13 00 37.5
		Ki	iP 21 57 00.1			Central America (h = N).	
		Sk	iP 21 56 44.3	"	14	Um	iPKP 16 02 41.2
		Um	iP 21 57 01.2			Fiji Islands (h = 510 km).	
		Ud	iP 21 56 46.9	"	14	Ud	iP 19 50 51.3
			ipP 21 57 28.0			De	eP 19 50 50
		De	iP 21 56 47.8			Tadzhik-Sinkiang (h = 120 km).	
		Colombia.		"	14	Up	iP 20 33 45.7 C
		h = 170 km (Ud).				Um	iP 20 33 20.6 D
"	14	Ud	iP 02 07 59.6			Ud	iP 20 33 52.0 D
"	14	Up	iP 05 42 40.5			De	iP 20 34 10.7
		Ki	iP 05 43 47.3			Kurile Islands (h = 150 km).	
		Um	iP 05 43 11.5	"	14	Um	iPKP 22 11 40.1
		Ud	iP 05 42 48.5			Easter Island Cordillera	
			i 05 43 01.0			(h = N).	
		Crete (h = N).		"	14	Um	iP 23 16 30.8
"	14	Up	iP 06 55 51.3			Ud	iP 23 16 57.0
		Um	iP 06 55 24.7			Japan (h = 410 km).	
		Ud	iP 06 55 51.5 D	"	15	Um	iP 02 47 23.6
		Aleutian Islands (h = 220 km).					ipP 02 47 31.1
"	14	Um	iP 07 56 29.6			Ud	iP 02 47 54.0
		Ud	eP 07 56 56			Japan.	
		Japan (h = 50 km).				h = 25 km (Um).	
"	14	Up	iP 12 41 48.6 C	"	15	Up	iP 03 42 38.2
			i 12 42 14.2			Ki	iP 03 42 19.8
			micr sec			Um	iP 03 42 27.0
		P	Z' 0.5 1.0			Ud	iP 03 42 48.3
		Mx	E 1.0 14			Philippine Islands (h = N).	
		Mx	N 2.3 16	"	15	Um	iP 04 08 01.7
		Mx	Z 1.9 14			Ud	iP 04 08 33.8
		Ki	iP 12 41 13.7 C			De	eP 04 08 51
			iP'P' 13 09 11.6			Japan (h = 35 km).	
			micr sec	"	15	Um	iP 13 59 11.2
		P	Z' 0.4 1.1			Ud	iP 13 59 42.1
		Mx	E 2.4 14			Japan (h = 70 km).	
		Mx	N 1.4 14				
		Mx	Z 2.0 13				
		Sk	iP 12 41 22.0 C				
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Mar.	16	Ud	iP	05 06 19.8	Mar.	16	(cont.)		
				Burma-India (h = 60 km).			Ud	iP	07 36 55.8 C
"	16	Up	iP	06 19 32.3				i	07 36 59.0
		Um	iP	06 19 18.6				iPP	07 38 41.1
"	16	Up	iP	06 26 46.5 C			De	iP	07 36 39.9 C
		Ki	iP	06 26 43.6 C				i	07 36 43.9
				micr sec					Iran (h = N).
			P	Z' 0.1 0.8					m = 6.0, M = 5.1 (Up,Ki).
		Sk	iP	06 27 07.8 C	"	16	Um	iP	12 01 09.7
		Um	iP	06 26 39.0 C			Ud	iP	12 01 10.3
			i	06 26 48.4	"	16	Up	iSgl	13 17 39.8
		Ud	iP	06 27 03.2 C			Sk	iSgl	13 17 34.4
		De	iP	06 27 04.3			Um	iSgl	13 18 50.7
				Kirgiz-Sinkiang (h = N).			Ud	iPgl	13 16 14.9
"	16	Up	i	06 28 16.5				i	13 16 36.1
			i	06 28 20.5				iSgl	13 16 38.5
			iSgl	06 28 25.1			De	iSn	13 17 35.4
		Sk	iSgl	06 29 39.8					Southeast Norway,
		Ud	iPgl	06 27 31.9					60.1°N, 10.0°E.
			i	06 27 39.7					Origin time = 13 15 43.
			iSgl	06 27 50.0					M _L = 2.3 (Up,Um,Ud).
		De	iSgl	06 28 16.3	"	16	Up	eP	15 44 07
			i	06 28 22.0			Um	ipP	15 44 34.0
				Lake Vener region, Sweden,					Atlantic Ocean (h = N).
				58.7°N, 13.2°E.	"	16	Up	iP	16 41 08.6
				Origin time = 06 27 08.			Ud	iP	16 41 24.3
				M _L = 2.5 (Up,Sk,De).	"	16	Up	eP	16 42 49
				Felt.			Ud	iP	16 43 03.5
"	16	Up	iP	07 36 40.8 C	"	16	Up	iP	21 27 29.9
			i	07 36 43.7			Ki	iP	21 26 53.7
			iPP	07 38 27.0			Um	iP	21 27 09.1 C
			iS	07 43 01			Ud	iP	21 27 36.9 C
				micr sec					Japan (h = 30 km).
			P	Z' 0.1 0.9	"	16	Up	iPKP1	22 38 40.0
			i	Z' 0.4 1.0			Um	iPKP1	22 38 27.0
		Mx	N	2.5 23			Ud	iPKP1	22 38 41.7
		Mx	Z	3.3 24			De	iPKP1	22 38 50.1
		Ki	iP	07 37 15.1 C					Kermadec Islands (h = 40 km).
			i	07 37 19.1	"	17	Ki	ipP	04 38 00.2
			iPP	07 39 06.4			Um	iP	04 37 59.8
				micr sec				ipP	04 38 12.0
			P	Z' 0.2 1.0					Mariana Islands.
			Mx	E 0.8 12					h = 40 km (Um).
			Mx	N 1.1 13	"	17	Ud	i(P)	11 40 42.6
		Sk	iP	07 37 14.6				i	11 40 49.0
			i	07 37 18.9					
		Um	iP	07 36 52.7 C					
			i	07 36 56.7					
			iPP	07 38 36.6					
			iS	07 43 19.3					
				(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
Mar.	17	Up	iP	14 26 48.3 C	Mar.	17	(cont.)				
				micr sec			Ud	iPKP1	22 03 38.3 C		
			P	Z' 0.3 1.1			De	iPKP1	22 03 48.7 C		
		Ki	iP	14 26 14.3 C			Tonga-Kermadec Islands				
				micr sec			(h = 590 km).				
			P	Z' 0.2 0.9	"	18	Up	iPKP1	03 55 09.4		
		Sk	iP	14 26 22.4 C			Ud	iPKP1	03 55 11.6 C		
		Um	iP	14 26 33.4 C			De	iPKP1	03 55 22.0		
		Ud	iP	14 26 40.6 C			"	18	Um	iPKP1	04 54 21.3
		De	iP	14 26 57.1 C					i	04 54 34.2	
		Nevada.					Ud	iPKP1	04 54 34.7		
		m = 6.3 (Up,Ki).							i	04 54 50.2	
		Underground explosion.					"	18	Up	iP	06 03 49.1
"	17	Up	iP	14 56 48.5 C					i	06 03 55.0	
				micr sec			Ud	iP	06 04 05.5		
			P	Z' 0.3 1.1					i	06 04 10.4	
		Ki	iP	14 56 14.7 C			Iran (h = N).				
				micr sec			"	18	Up	iPKP1	11 26 42.0 C
			P	Z' 0.2 1.0					iPKP2	11 26 46.0	
		Sk	iP	14 56 22.6 C			Sk	iPKP1	11 26 35.1		
		Um	iP	14 56 33.9 C			Um	iPKP	11 26 28.7 C		
		Ud	iP	14 56 40.8 C				iPKP1	11 26 30.1 C		
		De	iP	14 56 57.3 C			Ud	iPKP1	11 26 43.8 C		
		Nevada.					De	iPKP1	11 26 48.8		
		m = 6.3 (Up,Ki).							11 26 52.0 C		
		Underground explosion.					"	18	De	iP	14 59 27.3
"	17	Ud	iSgl	15 02 59.4					i	14 59 33.4	
		De	iSgl	15 01 10.5					i	14 59 42.4	
"	17	Up	iSgl	15 08 30.5			"	18	Up	i(P)	17 39 38.9
		Sk	iSgl	15 08 28.6					Ud	i(P)	17 39 13.6
		Ud	i	15 07 23.7			"	18	Um	iP	17 48 04.6
			iSgl	15 07 31.9					Red Sea (h = N).		
		De	iSn	15 07 19.2			"	18	Up	iP	17 59 23.7
		Coast of southwest Norway,							Um	iP	17 59 36.0
		58.2°N, 6.3°E.							Ud	iP	17 59 38.8
		Origin time = 15 05 21.					"	18	Up	iPKP1	20 03 55.6 C
		M _L = 2.6 (Ud).							i	20 04 01.8	
		By combination with Bergen							micr sec		
		and Kongsberg readings.							PKP1	Z' 0.1 0.8	
"	17	Up	iP	19 38 27.9			Ki	iPKP	20 03 44.9		
		Ki	iP	19 37 58.3			Sk	e(PKP)	20 03 49		
		Um	iP	19 38 10.2			Um	i(PKP)	20 03 41.9		
		Mariana Islands (h = 45 km).							iPKP	20 03 53.5	
"	17	Ud	iP	19 50 57.6				iSKP1	20 06 39.4		
"	17	Up	iPKP1	22 03 35.4			Ud	iPKP1	20 03 58.6		
		Sk	iSKP1	22 06 17.4			(cont.)				
		Um	iSKP1	22 06 11.8			(cont.)				
		(cont.)					(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 18 (cont.)
 De iPKP1 20 04 08.4
 ipKP1 20 06 09.0
 Tonga-Kermadec Islands.
 h = 530 km (De).

" 19 Ki eP 00 18 25
 Um iP 00 18 37.2
 Mariana Islands (h = 40 km).

" 19 Up iPKP1 02 37 56.9
 ipKP1 02 38 08.8
 micr sec
 Ki pKP1 Z' 0.1 1.2
 i(PKP) 02 37 31.7
 iPKP 02 37 38.8
 Sk iPKP1 02 37 49.5
 ipKP1 02 38 01.6
 Um iPKP1 02 37 44.6
 ipKP1 02 37 56.7
 Ud iPKP1 02 37 58.3
 iPKP2 02 38 02.6
 ipKP1 02 38 10.2
 De iPKP1 02 38 06.6
 iPKP2 02 38 16.0
 Kermadec Islands.
 h = 40 km (Up,Sk,Um,Ud).

" 19 Up iP 03 40 09.3
 Ud iP 03 40 24.4

" 19 Ud iPKP 09 59 53.1
 De iPKP 10 00 00.4
 Tonga Islands (h = 190 km).

" 19 Up i(P) 10 26 27.4

" 19 Up iP 13 11 05.5 C
 iS 13 17 09
 micr sec
 P Z' 0.3 1.1
 Mx N 8.9 15
 Ki iP 13 11 18.1 C
 iPP 13 12 51.3
 micr sec
 P Z' 0.2 1.3
 PP Z' 0.7 2.0
 Mx E 4.9 7
 Mx N 6.5 9
 Mx Z 2.7 6
 Sk iP 13 11 33.1 C
 Um iP 13 11 05.6 C
 iPP 13 12 38.4
 Ud iP 13 11 22.6 C
 De iP 13 11 17.5 C
 iPP 13 12 54.3
 (cont.)

1976

Mar. 19 (cont.)
 Hindu Kush (h = N).
 m = 5.8 (Up,Ki).

" 19 Up i(P) 13 43 20.1

" 19 Up i(P) 14 08 17.5

" 19 Um iP 16 07 31.4

" 19 Ud iP 21 17 21.6
 Mindanao (h = N).

" 19 Up iPKP2 21 26 47.4
 Sk iPKP1 21 26 38.2
 Um iPKP1 21 26 31.9
 Ud iPKP1 21 26 45.9
 De iPKP2 21 26 58.5

" 20 Up iP KP1 00 27 53.5
 Ud iP KP1 00 27 54.9
 i 00 28 07.5
 De iP KP 00 27 58.4
 Tonga-Kermadec Islands
 (h = N).

" 20 Up iP 01 18 42.7
 ipP 01 18 54.5
 iS 01 28 21.3
 micr sec
 P Z' 0.3 1.4
 pP Z' 0.4 1.3
 Mx E 10 18
 Mx N 6.4 19
 Mx Z 20 18
 Ki iP 01 18 18.4
 ipP 01 18 31.8
 micr sec
 P Z' 0.1 0.9
 pP Z' 0.2 1.1
 Mx E 5.9 13
 Mx N 2.6 12
 Mx Z 5.4 14
 Sk iP 01 18 46.6
 ipP 01 18 59.5
 Um iP 01 18 27.2 C
 ipP 01 18 40.6
 iS 01 27 52
 Ud iP 01 18 52.3 C
 ipP 01 19 04.5
 De iP 01 19 01.6
 i 01 19 17.6
 Formosa.
 h = 45 km (Up,Ki,Sk,Um,Ud).
 m = 6.1, M = 6.2 (Up,Ki).

" 20 Ud iP 03 25 21.9

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Mar.	20	Up	iP1	04 10 30.1	Mar.	20	(cont.)	
			iP3	04 10 36.3			Um i(PKP)	14 05 39.5
		Ki	iP1	04 10 14.8			iPKP	14 05 45.7
			iP3	04 10 20.3			iSKP1	14 08 20.6
				micr sec			Ud iPKP1	14 05 47.4
			P3	Z' 0.1 0.6			iSKP1	14 08 33.8
		Sk	iP1	04 10 45.6			De iPKP1	14 05 58.3
			iP3	04 10 51.4			Fiji Islands (h = 620 km).	
		Um	iP1	04 10 15.2	"	20	Up iPKP2	18 19 11.2
			iP2	04 10 16.7			i	18 19 22.4
			iP3	04 10 20.8			Ki iPKP1	18 18 38.0
		Ud	iP1	04 10 46.6			i	18 18 50.9
			iP2	04 10 48.7				micr sec
			iP3	04 10 52.3			PKP1	Z' 0.1 1.5
			iLg1	04 22 56.5			Sk iPKP1	18 18 51.8
		De	eP1	04 10 54			Um iPKP	18 18 40.2
			iLg1	04 23 10.3			iPKP1	18 18 46.2 D
				Kazakh SSR (h = 0 km).			iPKP2	18 18 57.3
				Explosion?			Ud iPKP	18 18 46.4
				Measured m vs M ratio is too			iPKP2	18 19 16.0
				small when compared with			De iPKP2	18 19 28.2
				previous presumed Kazakh			North Island, New Zealand	
				underground explosions to			(h = 50 km).	
				provide clear discrimination.				
"	20	Up	iP	04 42 24.5	"	20	Up iPKP2	18 25 42.5
		Ki	iP	04 42 09.2 C			i	18 25 54.9
				micr sec			Ki iPKP1	18 25 09.9 D
			P	Z' 0.1 0.9				micr sec
		Sk	iP	04 42 38.4 C			PKP1	Z' 0.1 1.1
		Um	iP	04 42 10.5 C			Sk iPKP1	18 25 23.3
		Ud	iP	04 42 39.5 C			Um iPKP	18 25 11.6
		De	iP	04 42 45.2			iPKP1	18 25 17.8 D
				Sinkiang, China (h = N).			iPKP2	18 25 28.9
							i	18 25 41.2
"	20	Up	iP	05 04 15.7			Ud iPKP	18 25 18.4
		Ki	eP	05 04 12			iPKP2	18 25 47.6
		Um	iP	05 04 09.8			De iPKP2	18 25 59.8
		Ud	iP	05 04 28.6			North Island, New Zealand	
				Burma (h = 80 km).			(h = 45 km).	
"	20	Up	iP	09 31 44.2	"	20	Ud iP	18 32 47.5
		Ki	iP	09 32 18.3				
		Ud	iP	09 31 59.2	"	20	Up iPKP2	18 59 14.1
			i	09 32 01.3			Ki iPKP1	18 58 41.0
				Iran (h = N).				micr sec
"	20	Um	iP	09 33 54.9			PKP1	Z' 0.1 1.0
				Mariana Islands (h = 45 km).			Sk iPKP1	18 58 53.6
							Um iPKP	18 58 43.0
"	20	Um	iP	12 46 32.5			iPKP1	18 58 49.1 D
				Mariana Islands (h = 40 km).			iPKP2	18 58 58.4
							Ud iPKP2	18 59 19.7
"	20	Up	ePKP1	14 05 45			North Island, New Zealand	
			i	14 05 48.8			(h = 45 km).	
				(cont.)	"	20	Up iP	19 00 23.1
							(cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Mar.	20	(cont.)		Mar.	21	(cont.)	
		Um	iP 19 00 21.1			Ud	iP 23 22 25.3 D
		Ud	iP 19 00 39.8			Formosa (h = 120 km).	
		Afghanistan-USSR (h = 240 km).		"	22	Up	iP 02 50 32.0
"	21	Um	iP 01 24 50.4			Ud	iP 02 50 47.8
		Iran (h = 45 km).		"	22	Up	iP 05 19 50.9
"	21	Up	iPKP1 06 07 34.6			Ki	iP 05 18 57.0
		Um	iPKP1 06 07 26.2			Um	iP 05 19 23.3
		Ud	ePKP1 06 07 39			Ud	iP 05 19 47.5
"	21	Ki	iP 07 21 13.2			i	05 19 49.9
		Um	iP 07 21 24.6			De	iP 05 20 12.7
		Mariana Islands (h = 40 km).				Aleutian Islands (h = 80 km).	
"	21	Up	iP2 08 35 30.6	"	22	Ud	iSgl 05 51 57.1
		Ki	eP1 08 35 09	"	22	Up	iP 06 23 23.8
		Sk	iP2 08 35 33.1			Sk	iP 06 23 46.3
		Um	iP2 08 35 19.4			Um	iP 06 23 19.1
		Ud	iP1 08 35 34.2			Ud	iP 06 23 38.4
			iP2 08 35 37.9			Kashmir (h = 70 km).	
		Mindanao (h = N).		"	22	Um	i(P) 06 51 45.0
"	21	Up	iP 10 43 27.0	"	22	Sk	ePKP1 09 33 35
		Um	iP 10 43 01.7			Um	iPKP1 09 33 27.2
		Ud	iP 10 43 32.8			Ud	iPKP1 09 33 41.3
		Kurile Islands (h = 55 km).				Kermadec Islands (h = N).	
"	21	Um	iPKP1 11 29 28.8	"	22	Um	iP 15 16 05.2
		Ud	ePKP1 11 29 42			Ud	iP 15 16 37.8
"	21	Ud	iP 12 10 42.3	"	22	Um	iP 15 52 43.8
		Tadzhik SSR (h = 50 km).		"	22	Um	iP 20 00 55.4
"	21	Ud	i(P) 13 48 13.1			Ud	iP 20 01 21.7
"	21	Ki	iP 17 43 28.0	"	22	Um	iP 21 00 25.7
		Um	iP 17 43 55.2			Ud	iP 21 00 45.5
		Ud	iP 17 44 21.0			Afghanistan-USSR (h = 110 km).	
		Aleutian Islands (h = 35 km).		"	23	Um	iP 04 30 12.1
"	21	Up	iPKP1 18 10 08.1	"	23	Up	iPn 04 46 17.4
		Ki	iPKP1 18 09 48.7			iSn	04 47 23.9
		Um	iPKP 18 09 51.1			i	04 47 36.8
			iPKP1 18 09 58.6			iSgl	04 48 03.9
			iPKP2 18 10 08.1			Ki	i 04 49 31.1
		North Island, New Zealand (h = 35 km).				iSgl	04 49 35.8
"	21	Um	iP 20 10 02.1			Sk	iPn 04 45 50.9
		Ud	iP 20 10 33.5			iSn	04 46 29.3
		Japan (h = 80 km).				iSgl	04 46 51.3
"	21	Up	iP 23 22 16.6			Um	iSn 04 47 48.4
		Ki	iP 23 21 51.1			i	04 48 11.7
		Sk	iP 23 22 19.8			iSgl	04 48 35.1
		Um	iP 23 22 00.8 D			(cont.)	
		(cont.)				(cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Mar.	23	(cont.)		Mar.	24	Up	iP	01 04 52.2
		Ud	i(P)			Ki	eP	01 04 18
			iPn			Um	iP	01 04 32.5
			iSn			Ud	iP	01 04 59.6
			i			Japan (h = 390 km).		
			iSgl					
		De	i(P)	"	24	Up	iPKP	05 05 42.3
			iPn				iPKP1	05 05 46.9
			iSn				iSKKS	05 16 03.8
			i					micr sec
			i(S*)				PKP	Z' 0.1 1.3
			iSgl				PKP1	Z' 2.6 0.8
		West coast of Norway, 61.4°N, 5.3°E. Origin time = 04 44 49. M _L = 3.2 (Up,Ki,Sk,Um,Ud,De). Felt. (P)-phases at Ud and De may belong to a preceding event in the same focal area.					Mx	E 20 23
							Mx	N 57 23
							Mx	Z 64 23
						Ki	i(PKP)	05 05 21.8
							i(PKP)	05 05 25.0
							iPKP1	05 05 26.7
							iPKP	05 05 30.7
								micr sec
							PKP	Z' 0.3 0.7
							Mx	E 25 23
							Mx	N 47 22
							Mx	Z 37 21
"	23	Up	iP			Sk	iPKP1	05 05 39.1 C
			ipP			Um	iPKP1	05 05 33.9 C
		Ki	iP				i	05 05 34.6
		Um	iP			Ud	iPKP	05 05 43.8
		Ud	iP				iPKP1	05 05 47.4
			ipP			De	iPKP	05 05 49.4 C
		Japan. h = 40 km (Up,Ud).					iPKP1	05 05 54.4 C
						Kermadec Islands (h = 35 km). M = 7.3 (Up,Ki).		
"	23	Up	iP					
		Um	iP			"	24	Up
		Ud	iP					iPKP1
		Hindu Kush (h = N).						05 20 51.7
								Um
								iPKP1
								05 20 41.2
								Ud
								iPKP1
								05 20 53.4
								De
								iPKP1
								05 21 05.3
						Kermadec Islands.		
"	23	Um	ipPKP			"	24	Up
		De	iPKP					iPKP1
		Solomon Islands (h = 55 km).						05 27 25.8
								Ud
								iPKP1
								05 27 27.3
								De
								iPKP1
								05 27 35.2
						Kermadec Islands.		
"	23	Up	iPKP1			"	24	Up
			iPKP2					iPKP1
		Sk	iPKP1					06 10 33.6
		Um	iPKP1					Um
								iPKP1
								06 10 20.5
								Ud
								iPKP1
								06 10 34.3
						Kermadec Islands.		
						"	24	Up
								ePKP1
								06 44 48
								Sk
								iPKP1
								06 44 40.2
								Ud
								iPKP1
								06 44 49.1
						(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 24 (cont.)
 De iPKP1 06 44 57.5
 Kermadec Islands.

" 24 Up iPKP1 07 18 50.0
 Ud iPKP1 07 18 51.1
 i 07 18 52.5
 De ePKP1 07 19 01
 Kermadec Islands.

" 24 Up iPKP1 08 34 18.2
 i 08 34 23.6
 Sk iPKP1 08 34 11.1
 Um iPKP1 08 34 05.6
 Ud iPKP1 08 34 19.6
 De iPKP1 08 34 28.3
 Kermadec Islands.

" 24 Ud i(P) 08 49 12.9

" 24 Up i(P) 08 57 31.1

" 24 Up iPKP 10 04 29.5
 ✓ Ki iPKP 10 04 44.6
 micr sec
 PKP Z' 0.1 1.0
 Um iPKP 10 04 38.5
 Ud iPKP 10 04 28.4
 South Sandwich Islands
 (h = N).

" 24 Ud iSgl 14 59 17.5
 De iSgl 14 59 36.6

" 24 Ki iP 15 02 57.3
 Um iP 15 03 17.7
 Ud iP 15 03 49.6

" 24 Ki iP 15 54 49.0
 Um iP 15 55 15.8
 ipP 15 55 45.6
 Ud iP 15 55 41.7
 De iP 15 56 03.4
 Aleutian Islands (h = 110 km).

" 24 Up iPgl 17 31 42.3
 i 17 32 26.9
 Um iSgl 17 34 24.0
 Ud iSgl 17 33 14.3
 De iPn 17 31 35.8
 iPgl 17 31 44.4
 iSgl 17 32 35.5
 Coast of Latvia,
 56.3°N, 20.7°E.
 (cont.)

1976

Mar. 24 (cont.)
 Origin time = 17 30 34.
 M_L = 2.9 (Um,Ud,De).
 L
 Explosion?
 By combination with Helsinki
 regional bulletin.

" 24 Up iP 18 05 57.9
 Ki iP 18 06 07.5
 Um iP 18 05 56.0
 Ud iP 18 06 14.4
 De iP 18 06 10.7
 Hindu Kush (h = 230 km).

" 24 Um iP 20 55 41.1
 Ud iP 20 55 56.8

" 24 Um iP 21 11 06.4

" 25 Up iPKP1 00 38 15.4
 micr sec
 PKP1 Z' 0.1 1.0
 Sk ePKP1 00 38 08
 Um iPKP1 00 38 05.0
 Ud iPKP1 00 38 17.0 C
 De iPKP1 00 38 25.2
 iPKP2 00 38 35.8
 Kermadec Islands (h = N).

" 25 Up iP 00 52 23.3
 Ki iP 00 52 02.2
 Um iP 00 52 13.9
 Ud iP 00 52 10.9
 Arkansas (h = 15 km).

" 25 Up iP 01 59 04.9
 Um iP 01 58 39.3
 Ud iP 01 59 10.6

" 25 Up iP 03 54 37.2 C
 i 03 55 21.3
 micr sec
 P Z' 0.1 0.8
 Ki iP 03 54 38.2
 ipP 03 54 44.4
 Sk iP 03 54 52.9
 Um iP 03 54 33.8
 ipP 03 54 39.5
 i 03 55 17.9
 Ud iP 03 54 48.2 C
 ipP 03 54 54.1
 i 03 55 32.4
 De iP 03 54 46.0 C
 ipP 03 54 51.7
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Mar.	25	(cont.)		Mar.	25	(cont.)	
		De	i 03 55 30.2			Um	iP 12 01 13.0
		Nicobar Islands.					ipP 12 01 19.1
		h = 20 km (Ki,Um,Ud,De).				Ud	iP 12 01 13.6
"	25	Ud	iP 04 15 36.1				ipP 12 01 19.6
"	25	Up	iP 06 29 20.2			De	iP 12 00 56.4
		Ki	iP 06 29 19.3			Turkey-USSR.	
			i 06 29 27.3			h = 20 km (Up,Um,Ud).	
		Um	iP 06 29 17.2			M = 5.2 (Up,Ki).	
		De	iP 06 29 29.9	"	25	Sk	iP 12 34 22.9
		Nicobar Islands (h = N).				Um	iP 12 34 38.3
"	25	Up	iP 08 00 00.2			Ud	iP 12 34 32.8
			ipP 08 00 09.0			Mexico (h = 100 km).	
		Ki	iP 07 59 06.3	"	25	Up	iPKP1 13 00 29.9
			ipP 07 59 15.1				ipKP2 13 00 33.3
			micr sec				micr sec
		P	Z' 0.1 1.0				PKP2 Z' 0.1 0.8
		pP	Z' 0.1 0.9			Sk	iPKP1 13 00 22.9
		Sk	iP 07 59 32.0			Um	iPKP1 13 00 17.5
		Um	iP 07 59 33.9			Ud	iPKP1 13 00 31.1
		Ud	iP 07 59 58.0				iPKP2 13 00 36.2
		De	iP 08 00 18.1			De	iPKP1 13 00 39.3
		Kodiak Island.				Kermadec Islands (h = 40 km).	
		h = 30 km (Up,Ki).		"	25	Ud	i(P) 14 53 06.4
"	25	Up	iP 08 28 19.6	"	25	Up	iP 17 10 15.4
			i 08 28 25.9				ipP 17 10 33.6
			micr sec			Sk	iP 17 10 30.3
		P	Z' 0.1 1.0			Um	iP 17 10 12.6
		i	Z' 0.4 1.4			Ud	iP 17 10 25.6
		Sk	iP 08 28 36.3				ipP 17 10 50.8
		Um	iP 08 28 16.6			De	iP 17 10 25.4
			i 08 28 22.0			Sumatra.	
		Ud	iP 08 28 31.1			h = 80 km (Up,Ud).	
		De	iP 08 28 29.3	"	25	Ud	iP 18 42 05.3
		Nicobar Islands (h = N).				Kurile Islands (h = 330 km).	
"	25	Ud	iP 08 54 40.9	"	25	Up	eP 20 48 37
		Mindanao (h = 60 km).				Sk	iP 20 47 40.6
"	25	Um	iP 11 22 03.9			Um	iP 20 48 04.3
"	25	Up	iP 12 00 58.2			Ud	iP 20 48 26.4
			ipP 12 01 03.3			Jan Mayen.	
			iS 12 05 14	"	25	Up	iP 21 19 52.6
			micr sec				i 21 20 02.2
		pP	Z' 0.1 1.0			Sk	iP 21 18 52.0
		Mx	E 4.0 19				i 21 19 07.4
		Mx	N 5.1 17			Um	iP 21 19 16.4
		Ki	micr sec			Ud	iP 21 19 38.9
		Mx	E 3.5 13			De	iP 21 20 26.9
		Mx	N 3.5 14			Jan Mayen (h = N).	
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976					
Mar.	25	Up		micr sec	Mar.	26	Ud	iPKP1	15 14 17.4	
		Mx	E	4.4 25			De	iPKP1	15 14 29.1	
		Mx	Z	6.7 24	"	26	Up	iPKP	20 34 18.1	
		Ki		micr sec			Ki	iPKP	20 34 32.9	
		Mx	E	4.8 20			Um	iPKP	20 34 25.5	
		Mx	N	2.5 20			Ud	iPKP	20 34 16.0	
		Um	iP	22 29 42.6			South Sandwich Islands			
		Galapagos Islands (h = N).					(h = N).			
		M = 5.9 (Up,Ki).								
"	25	Up	iP	23 17 40.2	"	27	Ki	iP	00 30 30.9	
		Sk	iP	23 17 19.3				i	00 30 35.6	
		Um	iP	23 17 33.3			Um	iP	00 31 08.2	
		Ud	iP	23 17 30.5			Ud	iP	00 31 36.2	
		De	iP	23 17 40.2				i	00 31 41.7	
		Mexico (h = N).								
"	25	Ud	iP	23 49 01.4	"	27	Up	iPKP	02 54 47.5	
		Kurile Islands (h = 45 km).						iPKP1	02 54 49.9	
									micr sec	
"	26	Up	iP	02 03 24.2				PKP1	Z' 0.1 1.0	
			i	02 03 32.4			Ki	iPKP	02 54 33.6	
		Sk	iP	02 02 23.8			Sk	iPKP1	02 54 43.2	
			i	02 02 33.6			Um	iPKP1	02 54 37.8 C	
		Um	iP	02 02 47.5			Ud	iPKP	02 54 48.0	
		Ud	iP	02 03 09.8				iPKP1	02 54 51.7 C	
		Jan Mayen (h = N).					De	iPKP	02 53 54.0	
								iPKP1	02 53 59.0	
							Kermadec Islands (h = 35 km).			
"	26	Sk	iP	02 10 40.8	"	27	Ki	eP	03 06 34	
		Um	iP	02 11 04.7			Ud	iP	03 06 47.7	
		Ud	iP	02 11 28.4			Kirgiz SSR (h = N).			
		Jan Mayen.								
"	26	Um	iP	03 28 26.1	"	27	Up	iPKP1	04 10 50.2	
		Ud	iP	03 28 40.3			Um	iPKP1	04 10 37.5	
		Sumatra (h = 55 km).					Ud	iPKP1	04 10 51.5	
"	26	Ki	iP	11 17 38.8	"	27	Up	iPn	09 26 23.1	
			i	11 18 00.1				i	09 26 30.3	
		Um	iP	11 17 29.1				iSn	09 27 30.5	
			i	11 17 50.7				iSgl	09 28 05.8	
"	26	Um	iPKP1	13 35 15.4			Sk	iSgl	09 28 38.7	
		Ud	iPKP1	13 35 28.3			Ud	iPn	09 26 01.1	
"	26	Sk	eP	14 49 23				i	09 26 49.2	
		Um	iP	14 49 21.2				iSn	09 26 52.7	
		Alaska (h = N).						iSgl	09 27 20.1	
"	26	Ki	iP	15 09 02.3			De	i	09 26 05.2	
		Um	iP	15 09 45.2				iSn	09 26 29.2	
		North of Franz Josef Land					Off west coast of Jutland,			
		(h = N).					Denmark, near 56 3/4°N, 7°E.			
							Origin time = 09 24 52.			
							M _L = 2.4 (Up,Ud).			
"	27	Up	iPKP	20 01 36.8	"	27	Up	iPKP	20 01 36.8	
			iPKP1	20 01 40.9 C				iPKP1	20 01 40.9 C	
		(cont.)					(cont.)			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976						
Mar.	30	(cont.)		Mar.	31	Up	iP	00 06 24.1		
		Um	i					00 06 24.1		
								micr sec		
		Ud	iP				P	Z' 0.1 1.3		
						Ki	iP	00 06 21.8		
								micr sec		
		De	iP				P	Z' 0.1 1.4		
						Sk	iP	00 05 53.1		
		Japan (h = 40 km).				Um	iP	00 06 25.7		
		m = 5.9, M = 5.6 (Up,Ki).				Ud	iP	00 06 06.1		
"	30	Up	iP			North Atlantic Ocean				
		Um	iP			(h = 10 km).				
		Ud	iP			m = 5.3 (Up,Ki).				
		Japan.								
"	30	Up	iP		31	Up	iP	02 42 02.5		
							i	02 42 24.3		
						Ki	iP	02 42 33.6		
			P				i	02 42 41.6		
			Z' 0.2 1.1			Sk	eP	02 42 36		
		Ki	iP			Um	iP	02 42 12.7		
						Ud	iP	02 42 17.0		
			P			De	iP	02 42 03.4		
			Z' 0.2 1.1			Iran (h = 70 km).				
		Sk	iP			"	31	Ki	iP	08 29 25.3
		Um	iP					Sk	iP	08 30 41.1
		Ud	iP					Um	iP	08 30 05.1
								Ud	iP	08 30 27.8
			i							
		De	iP							
		Japan (h = 40 km).								
		m = 6.1 (Up,Ki).								
"	30	Up	iP		31	Ud	i(P)	10 46 38.3		
		Ki	iP							
		Um	iP			"	31	Up	iP	21 17 13.8
		Ud	iP					Ki	iP	21 17 22.0
		Japan (h = 50 km).						Sk	iP	21 17 39.2
								Um	iP	21 17 11.3
"	30	Up	iP					ipP	21 17 36.4	
								Ud	iP	21 17 30.3
			P					ipP	21 17 56.5	
			Z' 0.1 1.0					De	iP	21 17 27.4
		Ki	iP					Afghanistan-USSR.		
		Ud	iP					h = 110 km (Um,Ud).		
		De	iP							
		Japan (h = 45 km).				"	31	Up	iP	23 45 58.2
"	30	Ud	iP					Um	iP	23 46 06.8
								Ud	iP	23 46 15.5
"	30	Ki	iP					De	eP	23 46 04
		Sk	i					Iran (h = 25 km).		
		Um	iP							
		Ud	iP							
"	30	Ki	iP		31	Up	iP	23 55 22.3		
		Sk	iP					micr sec		
								P	Z' 0.4 1.5	
			i			Ki	iP	23 55 18.7		
		Um	iP					micr sec		
								P	Z' 0.2 1.6	
			i							
		Ud	iP			Sk	iP	23 54 50.2		
						(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Mar. 31 (cont.)
Um iP 23 55 22.1
Ud iP 23 55 03.3
North Atlantic Ocean
(h = 40 km).
m = 5.6 (Up,Ki).

Ota Kulhánek
Daniel Lindström
Klaus Meyer
Rutger Wahlström
December 28, 1977

SEISMOLOGICAL INSTITUTE
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SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

A P R I L 1 - 30, 1976

1976					1976				
Apr.	1	Ki	iP	03 49 26.0	Apr.	1	(cont.)		
		Um	iP	03 49 32.0			Sk	iP	19 33 17.7
		Ud	iP	03 49 52.5				ipP	19 33 59.2
			i	03 49 56.7			Um	iP	19 33 34.4
		Mindanao (h = 90 km).						ipP	19 34 16.8
"	1	Up	iP	04 39 19.9			Ud	iP	19 33 20.0
				micr sec				ipP	19 34 02.7
		P	Z'	0.1 0.9			De	iP	19 33 21.2
		Ki	iP	04 38 47.0			Colombia.		
				micr sec			h = 170 km (Sk,Um,Ud).		
		P	Z'	0.1 0.7	"	1	Up	iPKP	21 22 53.4
		Sk	iP	04 39 25.8			Ki	iPKP	21 22 40.2
		Um	iP	04 38 57.1			Sk	iPKP	21 22 50.8
		Ud	iP	04 39 32.7			Um	iPKP	21 22 46.1 C
			i	04 39 35.6				i	21 23 03.1
		De	iP	04 39 47.2			Ud	iPKP	21 22 56.2
		USSR-Mongolia (h = N).					De	iPKP	21 23 01.4
		m = 5.7 (Up,Ki).					Santa Cruz Islands (h = 80 km).		
"	1	Ud	i(P)	05 11 44.9	"	2	Um	iP	01 49 40.1
"	1	Ud	iP	05 42 20.6			Ud	iP	01 49 39.9
"	1	Um	iPKP	06 37 31.3	"	2	Ud	iPKP1	04 46 29.4
		Ud	i(PKP)	06 37 34.5			De	iPKP1	04 46 41.1
		Tonga Islands (h = N).			"	2	Um	iP	05 36 05.8
"	1	Ud	iP	08 01 50.8			Ud	iP	05 36 37.5
		Afghanistan-USSR (h = 230 km).					Kurile Islands (h = N).		
"	1	Ud	i(P)	19 32 14.0	"	2	Up	iP	08 44 20.2
"	1	Up	iP	19 33 30.1				i	08 44 27.9
		Ki	iP	19 33 34.0			Sk	iP	08 44 04.1
				micr sec				i	08 44 13.8
		P	Z'	0.1 1.3			Um	iP	08 44 22.5
		(cont.)					Ud	iP	08 44 09.4
							De	iP	08 44 16.4
							South of Panama (h = N).		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Apr.	2	(cont.)		Apr.	3	(cont.)	
		Um	iSn 18 02 35.8			Ki	iP 00 36 59.7
			iLg2 18 06 19.8				ipP 00 37 11.1
		Ud	iP 17 57 55.5				micr sec
		De	iP 17 57 42.4				pP Z' 0.1 1.2
		Caucasus (h = N).				Sk	iP 00 37 30.2
							ipP 00 37 41.0
"	2	Up	iPKP 20 51 56.7			Um	iP 00 37 26.6 C
		Ki	iPKP 20 52 11.8				i 00 37 35.5
		Sk	iPKP 20 52 02.2				ipP 00 37 38.2
		Um	iPKP 20 52 04.8 C			Ud	iP 00 37 52.7
		Ud	iPKP 20 51 55.2				i 00 38 01.9
		Sandwich Islands (h = N).					ipP 00 38 04.0
						De	iP 00 38 15.1
"	2	Up	i(P) 21 01 31.1				ipP 00 38 25.5
			i 21 01 55.1			Aleutian Islands.	
		Ud	i(P) 21 01 57.8			h = 40 km (Up,Ki,Sk,Um,Ud,De).	
		De	i(P) 21 02 09.8			m = 5.9 (Up,Ki).	
"	2	Um	iP 22 50 00.2	"	3	Ki	iP 00 43 47.1
"	2	Um	iP 22 50 46.1			Um	iP 00 44 13.7
"	2	Up	iP 23 03 23.1			Ud	iP 00 44 39.3
		Ki	iP 23 02 28.5			Same location as the event	
		Um	iP 23 02 55.7			00 37 this day.	
			ipP 23 03 08.3			Origin time = 00 33 42.	
		Ud	iP 23 03 21.5	"	3	Ki	iP 01 06 14.7
		Aleutian Islands (h = 35 km).				Um	iP 01 06 41.4
"	2	Ki	iP 23 28 30.6			Ud	iP 01 07 07.6
			iS 23 30 15.8			Aleutian Islands (h = N).	
			i 23 30 40.8	"	3	Ki	iP 03 06 46.7
		Um	i 23 32 11.5			Um	iP 03 07 12.3
		South Svalbard,				Ud	iP 03 07 40.0
		77.5°N, 21.3°E.				Same location as the event	
		Origin time = 23 26 15.				00 37 this day.	
		By combination with Finnish				Origin time = 02 56 41.	
		station readings.		"	3	Um	iP 04 03 19.8
"	2	Um	iSKP1 23 38 15.1			Mexico (h = N).	
		Loyalty Islands (h = 150 km).		"	3	Um	iP 04 42 32.9
"	3	Um	iP 00 28 35.2			Ud	iP 04 41 56.8
		Ud	iP 00 29 00.6	"	3	Um	iP 09 03 25.2
		Aleutian Islands (h = N).		"	3	Ki	iP 10 59 28.0
"	3	Up	iP 00 31 26.5			Um	iP 10 59 59.6
		Ki	iP 00 30 35.1			Ud	iP 11 00 26.0
		Um	iP 00 31 01.8			Same location as the event	
		Ud	iP 00 31 27.5			00 37 this day.	
		Aleutian Islands (h = N).				Origin time = 10 49 28.	
"	3	Up	iP 00 37 53.2	"	3	Ud	i(P) 11 14 57.6
			ipP 00 38 04.4	"	3	Ud	iP 12 28 58.3
			micr sec				
			pP Z' 0.2 1.5				
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
Apr.	3	Up	iPKP	12 54 04.0	Apr.	4	Up	iP	02 42 47.5		
			iPKP2	12 54 10.0			Ki	iP	02 41 54.6		
		Sk	iPKP	12 53 59.2			Sk	iP	02 42 23.9		
		Um	iPKP1	12 53 53.6			Um	iP	02 42 21.2 C		
		Ud	iPKP	12 54 06.7				i	02 42 33.7		
			iPKP1	12 54 10.6			Ud	iP	02 42 47.2		
		De	iPKP1	12 54 15.6			Aleutian Islands (h = 20 km).				
		Kermadec Islands (h = N).					"	4	Up	iP	02 47 12.8
"	3	Ud	iP	14 27 10.0			Ki	iP	02 46 19.5		
"	3	Ud	iP	18 19 00.5			Um	iP	02 46 45.1 D		
"	3	Up	iP	19 25 14.3 C			Ud	i(P)	02 47 02.1		
				micr sec				i	02 47 11.8		
			P	Z' 0.1 0.9			Aleutian Islands (h = 15 km).				
		Um	iP	19 24 48.9			"	4	Up	iP	07 08 05.4
		Ud	iP	19 25 19.5					iS	07 11 17.0	
			i	19 25 42.8			Ki	iP	07 06 54.1		
		De	iP	19 25 38.1			Sk	iP	07 07 00.6		
		Kurile Islands (h = N).							iS	07 08 59.0	
"	3	Ud	iP	20 21 00.5			Um	iP	07 07 28.8		
"	3	Up	iP	20 42 45.6					iS	07 09 47.5	
		Um	iP	20 42 30.1					i	07 10 20.5	
		Ud	iP	20 42 38.7			Ud	iP	07 07 43.0		
"	3	Ud	iP	21 00 39.8					iS	07 10 43.7	
"	3	Ki	iSg1	21 40 12.1			Jan Mayen (h = N).				
		Um	iSg1	21 41 50.1			"	4	Up	iPKP1	07 47 05.3
		Sweden-Finland, 68.0°N, 23.5°E. Origin time = 21 39 34. M _L = 2.0 (Ki). By combination with Finnish station readings.					Um	iPKP	07 47 02.5		
"	3	Um	iP	21 55 16.2			Ud	iPKP1	07 47 06.3		
		Central America (h = N).					De	iPKP1	07 47 17.5		
"	3	Ud	iP	21 56 18.1			Fiji Islands (h = 590 km).				
"	3	Um	iP	23 32 14.5			"	4	Um	iP	08 18 36.9
		Ud	iP	23 32 35.6			"	4	Um	iP	11 17 27.4
"	4	Ud	iP	00 12 42.9					i	11 17 37.7	
"	4	Ud	iP	00 45 58.6			"	4	Up	iPKP1	15 58 38.1
"	4	Up	iP	01 40 58.7			Um	iSKP1	16 01 13.3		
		Ki	iP	01 40 04.6			Ud	iPKP1	15 58 37.4		
		Um	iP	01 40 31.5			De	iPKP1	15 58 48.3		
		Ud	iP	01 40 57.8					iSKP1	16 01 36.9	
		Aleutian Islands (h = 35 km).					Fiji Islands (h = 600 km).				
"	4	De	iPKP1	18 00 32.4			"	4	De	iPKP1	18 00 32.4
		Tonga Islands (h = 55 km).					"	4	Up	iP	18 07 55.1
"	4	Up	iP	18 07 55.1					i	18 08 00.3	
"	4	Sk	iP	18 07 38.0			Sk	iP	18 07 38.0		
"	4	Um	iP	18 07 54.3					i	18 07 43.0	
"	4	Ud	iP	18 07 45.8			Um	iP	18 07 54.3		
									i	18 07 59.3	
							Ud	iP	18 07 45.8		
							(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Apr.				Apr.			
4	(cont.)			5	Um	iP	03 39 44.1
	Ud	i	18 07 51.0	"	5	Up	iPKP1 04 14 02.0
	Honduras (h = 45 km).				5	Ud	iPKP1 04 14 04.9
	Double P, in average 5.1 sec apart.					De	iPKP1 04 14 15.7
"	4	Up	eP 19 42 40	"	5	Up	iP 04 25 05.5
"	4	Up	iP 19 58 20.9	"	5	Um	iP 08 40 27.4
"	4	Ud	iPKP1 20 40 50.8			Ud	iP 08 40 54.2
		De	iPKP1 20 41 00.2			i	08 41 08.9
"	4	Up	iP 21 26 53.1	"	5	Ki	iP 16 29 19.0
		Ki	iP 21 26 11.7			Um	iP 16 28 55.1
		Um	iP 21 26 30.0			Ud	iP 16 28 55.5
		Ud	iP 21 27 00.5			Iran (h = 60 km).	
		De	eP 21 27 17	"	5	Up	iP 17 04 34.2
	Japan (h = 30 km).					i	17 04 37.7
"	4	Ud	iP 22 32 01.5			i	17 05 01.8
	Crete (h = N).					iS	17 12 43
"	4	Up	iP 22 38 46.1				micr sec
		i	22 38 53.8			P	Z' 0.5 2.0
		Ki	iP 22 38 42.0			Mx	E 8.0 19
		Sk	iP 22 39 04.7 C			Mx	N 19 17
		Um	iP 22 38 41.0			Mx	Z 12 14
		Ud	iP 22 39 03.2			Ki	iP 17 04 04.7
		De	iP 22 39 06.5			i	17 04 07.8
	Burma (h = 40 km).						micr sec
"	4	Up	iP 22 48 32.6 D			P	Z' 0.2 1.5
		iPcP	22 49 03.3			i	Z' 0.6 2.0
			micr sec			Mx	E 4.2 13
		P	Z' 0.1 0.9			Mx	N 5.2 13
		Ki	iP 22 47 44.2 D			Mx	Z 2.9 13
		Sk	iP 22 48 20.7			Sk	iP 17 04 38.1
		Um	iP 22 48 06.2			i	17 04 41.5
		iPcP	22 48 47.4			Um	iP 17 04 15.2
		Ud	iP 22 48 38.1			i	17 04 18.4
		iPcP	22 49 07.2			i	17 04 34.0
		De	iP 22 48 57.2			iS	17 12 04
	Kurile Islands (h = 330 km).					Ud	iP 17 04 45.4
"	4	Ud	iPKP1 23 29 31.0			i	17 04 49.0
		De	iPKP 23 29 41.5			De	iP 17 04 58.6
	Fiji Islands (h = 640 km).					i	17 05 34.6
"	5	Ki	iPKP2 00 56 04.9			China (h = 25 km).	
		Ud	iPKP2 00 56 14.5			m = 6.1, M = 6.1 (Up,Ki).	
	Balleny Islands (h = N).					Double P (Up,Ki,Sk,Um,Ud),	
"	5	Ud	iPKP1 02 36 01.5			smaller and larger, average	
		De	iPKP1 02 36 12.1			separation 3.4 sec. The second	
				"	5	Ud	i(P) 20 10 47.2
						onset, when interpreted as pP,	
						gives a focal depth of 10 km.	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
Apr. 9 (cont.)				Apr. 9 (cont.)				
	Up		micr sec	Ki	iP	11 48	39.8	
	Mx	E	8.1 22	Um	iP	11 48	42.7	
	Mx	N	5.4 20		ipP	11 49	07.3	
	Mx	Z	12 20	Ud	iP	11 48	57.4	
✓	Ki	ipP	07 22 07.0		ipP	11 49	21.2	
		iPP	07 25 48.2	De	iP	11 49	04.6	
		iSKS	07 25 39		ipP	11 49	27.2	
			micr sec	Celebes.				
	pP	Z'	0.5 1.8	h = 90 km (Um,Ud,De).				
	Mx	E	9.0 17	"	9	Up	iPKP1	19 21 59.9
	Mx	N	11 20				i	19 22 08.3
	Mx	Z	13 19				i	19 22 21.4
Sk	iP		07 21 52.3					micr sec
	ipP		07 21 54.8				PKP1	Z' 0.2 1.5
	iPP		07 25 23.1	Ki	iPKP1	19 21	36.1	
Um	iP		07 22 06.1				i	19 21 48.0
	ipP		07 22 09.3				i	19 22 05.5
	iPP		07 25 51.2	Sk	iPKP1	19 21	55.7	
	iSKS		07 32 44	Um	iPKP1	19 21	48.5	C
	iS		07 33 13				i	19 21 55.7
Ud	iP		07 21 53.4	Ud	iPKP1	19 22	00.2	
	ipP		07 21 57.0				iPKP2	19 22 11.0
	i		07 25 08.9	South of Kermadec Islands				
	iPP		07 25 31.5	(h = 20 km).				
De	iP		07 21 55.2	"	9	Ud	iP	20 26 41.2
	ipP		07 21 59.7	"	9	Um	iP	23 28 40.4
	i		07 25 07.0				ipP	23 28 50.1
	iPP		07 25 35.5	Ud	iP	23 29	10.6	
Ecuador.							ipP	23 29 20.1
h = 10 km (Sk,Um,Ud,De).				Japan.				
m = 6.6, M = 6.3 (Up,Ki).				h = 35 km (Um,Ud).				
Late arrivals compared to								
NEIS solution.				"	10	Up	iP	00 52 26.8
"	9	Up	iP					micr sec
			i				Mx	E 1.1 19
		Ki	iP					micr sec
		Sk	iP				Mx	E 1.5 18
		Um	iP				Mx	N 1.9 17
			i				Um	iP
		Ud	iP					00 52 03.3
		De	iP				Ud	iP
		Luzon (h = 190 km).						00 52 32.6
"	9	Ki	iSg1				Japan (h = 15 km).	
		Um	iSg1				M = 5.3 (Up,Ki).	
		Gulf of Bothnia,		"	10	Ud	iP	00 59 21.7
		64.8°N, 22.5°E.		"	10	Um	iP	01 31 41.3
		Origin time = 11 19 38.					Ud	iP
		M _L = 1.8 (Um).						01 32 01.8
		Solution from Helsinki					Molucca Passage (h = 40 km).	
		regional bulletin.		"	10	Up	iP	01 53 00.3
"	9	Up	iP				Ki	iP
		(cont.)						01 52 19.0
			11 48 53.7				(cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Apr.	10	(cont.)		Apr.	10	Up	
		Ki	micr sec			i(PKP)	17 30 15.7
		P	Z' 0.1 1.0			i	17 30 21.3
		Um	iP 01 52 38.0			iPKP	17 30 26.0
		Ud	iP 01 53 07.6 C			iSKP1	17 33 07.0
			ipP 01 53 16.5			i	17 34 00.1
		De	eP 01 53 24			i	17 42 42.5
			ipP 01 53 32.2				micr sec
		Japan.				PKP	Z' 0.1 1.0
		h = 30 km (Ud,De).				Ki	i(PKP) 17 30 00.3
							iPKP 17 30 12.4
							iSKP1 17 32 42.2
							i 17 43 09.1
							micr sec
"	10	Up	iPKP1 02 34 12.9			PKP	Z' 0.4 1.4
		Ud	iPKP1 02 34 11.8			Sk	i(PKP) 17 30 12.5
			i 02 34 33.4				iPKP 17 30 21.1
		De	iPKP1 02 34 23.6				iSKP1 17 32 59.9
"	10	Ud	iP 03 33 10.2			Um	i(PKP) 17 30 04.6
"	10	Um	iPKP 04 43 35.0				iPKP 17 30 19.7
		Solomon Islands (h = 55 km).					ipPKP 17 32 33.6
							iSKP1 17 32 55.7
"	10	Ki	iP 07 17 49.9 D				i 17 42 20.7
		Ud	iP 07 18 00.1				i 17 42 52.5
		Kashmir-India (h = 50 km).				Ud	i(PKP) 17 30 15.9
"	10	Up	iP 07 36 57.4				i 17 30 18.2
		Um	iP 07 36 33.3				iPKP 17 30 26.9
		Ud	iP 07 37 03.3				iSKP1 17 33 10.4
		De	iP 07 37 20.9				i 17 42 04.6
		Japan (h = 30 km).				De	i(PKP) 17 30 27.9
							iSKP1 17 33 19.7
"	10	Up	iP 11 37 58.3			Fiji Islands (h = 560 km).	
			ipP 11 38 07.6				
			micr sec				
		P	Z' 0.1 1.0	"	10	Up	iPKP1 22 16 37.1
		Ki	iP 11 37 16.3			Um	iPKP1 22 16 24.5
		Um	iP 11 37 33.2			Ud	iPKP1 22 16 38.9
			ipP 11 37 43.5			De	iPKP1 22 16 47.4 D
		Ud	iP 11 38 05.2 C	"	10	Ud	iP 23 33 30.6
			ipP 11 38 13.7	"	10	Ud	iP 23 36 16.1
		De	iP 11 38 20.9 C	"	11	Up	iP 03 03 54.2 C
			ipP 11 38 29.5				micr sec
		Japan.					P Z' 0.1 0.7
		h = 30 km (Up,Um,Ud,De).				Ki	iP 03 03 10.2 C
"	10	Um	iPKP1 13 13 29.8			Sk	iP 03 03 42.8
		Ud	iPKP1 13 13 40.6			Um	iP 03 03 28.8
"	10	Um	iP 15 00 49.8			Ud	iP 03 04 00.6 C
			i 15 01 03.7			De	iP 03 04 17.7
		Japan (h = 25 km).					Kurile Islands (h = 100 km).
"	10	Um	iPKP1 15 11 35.2	"	11	Ud	iPKP1 06 24 48.9
		Ud	iPKP1 15 11 47.0			De	iPKP1 06 24 59.0
"	10	Um	iPKP1 15 25 25.6			Fiji Islands (h = 550 km).	
		Ud	iPKP1 15 25 38.1				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Apr.	11	Ud	iP	08 12 05.2	Apr.	12	(cont.)
"	11	Up	iP	13 11 29.1			Um iP 04 52 20.0
		Ki	iP	13 10 50.4			Ud iP 04 52 46.3
		Sk	iP	13 11 24.8			De iP 04 53 08.4
		Um	iP	13 11 06.8 D			Aleutian Islands (h = 40 km).
			i	13 11 32.8	"	12	Up iP 05 42 24.7
		Ud	iP	13 11 37.3			Ki iP 05 41 55.9
		De	eP	13 11 52			i 05 42 05.1
				China-USSR (h = 550 km).			micr sec
"	11	Up	iP	13 13 17.4 D			P Z' 0.1 1.1
			i	13 15 09.4			Um iP 05 42 07.9 D
			iPP	13 15 46.4			i 05 42 17.8
				micr sec			Mariana Islands.
			P	Z' 0.1 0.9			h = 30 km (Ki,Um).
		Ki	iP	13 12 38.9 D	"	12	Um iP 06 23 22.0
			iPP	13 14 26.6			
				micr sec	"	12	Up iP 08 47 09.1
			P	Z' 0.1 1.0			Ud iP 08 47 08.5
		Sk	iP	13 13 13.3 D			i 08 47 24.6
			iPP	13 15 04.4			Aleutian Islands (h = 45 km).
		Um	iP	13 12 55.0 D	"	12	Ud iP 11 03 42.3
			i	13 13 20.6	"	12	De iP 15 11 57.9
			iPP	13 14 44.8	"	12	Ud i(P) 16 43 31.2
		Ud	iP	13 13 25.8 D	"	12	Up iPKP1 18 39 56.5
			i	13 13 52.4			Ud iPKP1 18 39 57.7
		De	iP	13 13 40.7 D			De iPKP1 18 40 07.1
				China-USSR.	"	12	Ud iPKP1 23 01 54.3
				h = 570 km (Ki,Sk,Um)			De iPKP1 23 02 04.6
				m = 5.2 (Up,Ki).	"	12	Up iPKP1 23 09 22.8
"	11	Up	iP	16 25 41.3			iPKP2 23 09 29.6
		Ud	iP	16 25 49.3			ipPKP1 23 10 10.1
"	11	Ud	iP	18 55 24.7			micr sec
				Afghanistan-USSR (h = 20 km).			PKP1 Z' 0.1 1.0
"	11	Up	iP	20 22 01.6			Ki iPKP 23 09 06.7
		Ud	iP	20 22 16.2 C			Sk iPKP1 23 09 18.5
"	11	Ud	iP	21 05 40.7			ipPKP1 23 10 06.4
				Afghanistan-USSR (h = 270 km).			Um iPKP1 23 09 11.7
"	11	Ud	iP	23 23 46.9			ipPKP1 23 09 55.5
				Mariana Islands (h = N).			Ud iPKP1 23 09 24.5
"	12	Up	iP	04 28 07.6			iPKP2 23 09 33.8
		Um	iP	04 27 40.8			De iPKP1 23 09 32.3
		Ud	iP	04 28 12.9			iPKP2 23 09 47.4
		De	eP	04 28 32			South of Kermadec Islands.
				Kurile Islands (h = 130 km).			h = 180 km (Up,Sk,Um).
"	12	Up	iP	04 52 46.6 C	"	13	Up iPKP1 06 20 37.0
		Ki	iP	04 51 53.8 C			iPKP2 06 20 41.9
				(cont.)			(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
Apr.	13	(cont.)			Apr.	13	(cont.)		
		Sk	iPKP1	06 20 29.9			Sk	iP	21 16 31.2
		Um	iPKP1	06 20 24.8 C			Um	iP	21 16 37.3
		Ud	iPKP1	06 20 38.6 C				i	21 16 39.2
		De	iPKP1	06 20 47.3 C				i	21 16 45.4
		Kermadec Islands (h = 55 km).					Ud	iP	21 17 15.7
								i	21 17 28.1
"	13	Up	ePKP1	06 29 19			De	iP	21 18 09.3
		Um	iPKP1	06 29 06.9			Greenland Sea (h = N).		
		Ud	iPKP1	06 29 19.8					
		De	iPKP1	06 29 29.1 C	"	13	Um	iP	22 08 01.1
							Ud	i	22 08 07.4
"	13	Up	iP	07 37 04.4			De	iP	22 07 46.3
		Ki	iP	07 36 16.1			Iran (h = 60 km).		
		Sk	iP	07 36 52.7					
		Um	iP	07 36 38.7	"	13	Up	iP	00 00 39.3
		Ud	iP	07 37 10.1 C					micr sec
		De	iP	07 37 28.8 C				P	Z' 0.1 0.9
		Kurile Islands (h = 90 km).					Ki	iP	23 59 57.0
								i	23 59 59.4
"	13	Up	iPKP1	11 04 06.4					micr sec
		Sk	iPKP1	11 03 59.2				P	Z' 0.1 0.6
		Um	iPKP1	11 03 54.0 C			Sk	iP	00 00 32.3
		Ud	iPKP1	11 04 08.1 C			Um	iP	00 00 15.6
		De	iPKP1	11 04 16.7				i	00 00 18.2
			i	11 04 30.9			Ud	iP	00 00 47.0
		Kermadec Islands (h = N).						i	00 00 49.1
"	13	Ud	iP	13 41 50.1			De	iP	00 01 03.0
		Molucca Passage (h = 15 km).					Japan (h = 100 km).		
"	13	Up	i(P)	14 29 17.0			m = 5.8 (Up,Ki).		
"	13	Ud	i(P)	18 32 15.2			Double P (Ki,Um,Ud), in average 2.4 sec apart.		
"	13	Up	iRg	19 11 47.9	"	14	Ki	iPKP	01 04 23.3
		Ud	iRg	19 11 35.2			Um	iPKP	01 04 30.9
		Central Sweden.					Ud	i(PKP)	01 04 36.1
		Near-surface event.						iPKP	01 04 39.4
"	13	Up	iP	20 30 37.3			De	i(PKP)	01 04 37.2
		✓ Ki		micr sec			Fiji Islands (h = 370 km).		
			Mx	E 0.7 16	"	14	Up	iP	01 34 25.4
			Mx	N 0.7 16			Ki	iP	01 34 04.8
			Mx	Z 0.9 16			Sk	iP	01 34 32.7
		Sk	iP	20 30 20.4			Um	iP	01 34 12.2 C
		Um	iP	20 30 33.7			Ud	iP	01 34 34.7
		De	iP	20 30 43.9			De	iP	01 34 43.0
		Mexico (h = N).					Philippine Islands (h = 180 km).		
"	13	Ki	iPn	21 15 46.2	"	14	Up	iP	02 33 01.1
			i	21 15 50.8	"	14	Ud	iP	07 07 59.3
			iSn	21 17 04.6			De	iP	07 08 17.0
			i(TPg)	21 21 04.4			California-Mexico (h = 15 km).		
			iTPg	21 21 23.4					
		(cont.)							

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
Apr.	15	Up	iP	09 34 06.0 C	Apr.	16	(cont.)		
"	15	Ud	i(P)	11 32 56.8			De	iPKP1	04 29 01.0
"	15	Ud	iP	12 25 19.0 C				i	04 29 10.0
			i	12 25 23.6			Tonga-Kermadec Islands		
		De	iP	12 24 44.7	"	16	Up	iP	04 43 32.7
"	15	Ud	iP	12 31 32.1				ipP	04 43 39.8
"	15	Up	iP	12 51 00.2			Ud	iP	04 43 43.9
		Ki	iP	12 50 08.0			De	iP	04 43 41.9
		Um	iP	12 50 33.1				ipP	04 43 49.3
		Ud	iP	12 51 04.9			Nicobar Islands.		
		De	iP	12 51 25.4			h = 25 km (Up,De).		
"	15	Up	iP	12 51 49.5	"	16	Ud	iP	08 20 01.8
		Ki	iP	12 50 56.0	"	16	Up	iP	08 45 30.6
		Um	iP	12 51 20.9			Ud	iP	08 45 41.2
		Ud	iP	12 51 54.1			De	iP	08 45 39.7
		De	iP	12 52 14.2	"	16	Up	iSgl	13 41 46.5
		This and the preceding event originated in the same area.					Ud	iSgl	13 42 24.6
"	15	Ud	iP	18 34 32.8			De	iSgl	13 41 05.8
"	15	Up	iP	18 55 59.7			Southeastern Baltic Sea.		
		Ud	iP	18 56 12.5			Explosion?		
		De	iP	18 55 49.0	"	16	Up	iPKP	13 58 12.5
"	15	Ki	iP	18 59 36.7			Ud	iPKP	13 58 13.1
		Um	iP	19 00 11.6			De	iPKP	13 58 21.4
		Ud	iP	19 00 33.6	"	16	Ud	i(P)	15 18 05.9
"	15	Up	iP	19 41 20.1	"	16	Up	iP	15 21 24.9
		Ud	iP	19 41 23.9				i	15 21 32.1
			i	19 41 59.4			Sk	iP	15 21 20.0
		Greece.					Um	iP	15 21 29.5
"	15	Up	iP	20 52 11.8			Ud	iP	15 21 36.1
		Um	iP	20 51 57.8				i	15 21 43.8
		Ud	iP	20 52 16.3			De	iP	15 21 34.0
"	15	Ud	e(P)	22 25 31	"	16	Up	iP	15 22 35.2
"	16	Up	eP	02 38 43			Ki	iP	15 23 46.0
		Ud	iP	02 38 30.9			Um	iP	15 23 11.2
"	16	Ud	iP	02 54 45.2			Ud	iP	15 22 47.7
"	16	Up	iPKP1	04 28 48.6			Crete (h = 60 km).		
			i	04 29 01.3	"	16	Up	iPKP1	16 05 42.3 C
		Ud	iPKP1	04 28 50.3 C			Ud	iPKP1	16 05 44.3
			i	04 28 02.1			De	iPKP1	16 05 54.5
		(cont.)			"	16	Up	iPKP	16 13 27.7
								iSKP1	16 15 58.1
							Ki	iPKP	16 13 13.8 C
							Um	iPKP	16 13 19.9
							(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976						
Apr.	16	(cont.)		Apr.	16	Up	iP	17 58 52.4		
		Ud	iPKP				ipP	17 58 59.5		
			iSKP1					micr sec		
		De	iPKP				P	Z' 0.1 0.9		
			iSKP1			Ki	iP	17 58 54.0		
								micr sec		
		New Hebrides Islands					P	Z' 0.1 1.0		
		(h = 620 km).				Sk	i	17 59 25.1		
"	16	Up	iP			Um	iP	17 58 49.7		
			ipP				ipP	17 58 56.3		
						Ud	iP	17 59 03.5		
			P				ipP	17 59 10.9		
			Z' 0.2 1.0			De	iP	17 59 01.4		
			pP				i	17 59 03.4		
			Z' 0.2 0.9				ipP	17 59 08.1		
			Mx			Nicobar Islands.				
		✓ Ki	iP			h = 25 km (Up,Um,Ud,De).				
			ipP			m = 5.8 (Up,Ki).				
			P			"	16	Ud	iP	20 23 51.2
			Z' 0.2 1.4			Kashmir-India (h = 90 km).				
			Mx			"	16	Up	iPKP	21 07 33.4
			N 1.4 22					Um	iPKP	21 07 22.5 C
		Sk	iP						i	21 07 36.7
		Um	iP					Ud	iPKP	21 07 35.3
			ipP							
		Ud	iP			"	16	Up	eP	21 30 59
			ipP					Ud	iP	21 31 00.8
		De	iP			Kamchatka (h = N).				
			ipP			"	16	Up	iP	23 24 34.9
		Nicobar Islands.				"	17	Um	iP	01 13 32.7
		h = 25 km (Up,Ki,Um,Ud,De).						Ud	iP	01 13 59.8
		m = 6.0, M = 4.8 (Up,Ki).				Japan (h = 45 km).				
"	16	Up	iP			"	17	Ud	iP	03 39 21.1
		Um	iP			"	17	Ki	iP	05 15 49.6
		Ud	iP					Um	iP	05 16 06.8
		De	iP					Ud	iP	05 16 29.8
		Probably the same focal area				"	17	Up	iP	05 17 14.0
		as for the preceding event.						Ki	iP	05 16 40.4
		Origin time = 16 54 03.						Um	iP	05 16 55.1
"	16	Up	iP					Ud	iP	05 17 21.1
			ipP					De	iP	05 17 34.3
		Ki	ipP			Japan (h = 450 km).				
		Um	iP			"	17	Up	iP	09 35 45.9
			ipP					Ud	iP	09 35 46.0
		Ud	iP							
			ipP							
		De	iP							
			ipP							
		Nicobar Islands.								
		h = 25 km (Up,Um,Ud,De).								
"	16	Up	iP							
		Um	iP							
			i							
		Ud	iP							
			i							
		De	i							
		Japan (h = N).								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Apr.	17	Ud iP	20 28 48.6	Apr.	19	Up iP	01 33 58.1
		Uzbek SSR (h = N).				Ki iP	01 33 05.2
"	17	Ud iP	21 05 10.7			Um iP	01 33 29.8 C
		South Atlantic Ocean (h = N).				Ud iP	01 34 01.4
"	18	Ki iPKP	10 40 08.4	"	19	De iP	01 34 22.9
		South of Africa (h = N).				Up iSn	09 44 09.0
"	18	Ud iP	03 11 19.5			iSgl	09 44 27.3
"	18	Ud iPKPl	11 39 38.8			Ud iSn	09 44 49.4
		De iPKPl	11 39 49.3 D			iSgl	09 45 16.8
		Fiji Islands (h = 610 km).				De iSgl	09 44 48.2
"	18	Ud iP	13 10 07.2			Latvia-Lithuania.	
"	18	Up iP	20 09 50.2			Approximate origin time	
		Ud iP	20 09 57.7			= 09 42 10.	
"	18	Up i	21 54 59.8	"	19	Up iP	11 02 08.8
		Ud iPKPl	21 54 53.7			iS	11 11 29
		i	21 55 01.0				micr sec
		i	21 55 05.1			P	Z' 0.3 1.5
		De iPKPl	21 55 03.3			Mx	E 3.0 22
		i	21 55 15.5			Mx	N 2.9 20
"	18	Ud iP	22 12 18.1			Mx	Z 3.3 20
"	18	Um iP	22 44 28.4			Ki iP	11 01 26.6
		Ud iP	22 44 43.9				micr sec
		i	22 44 48.2			P	Z' 0.1 1.5
		De iP	22 44 39.6			Mx	E 3.6 18
		i	22 44 43.0			Mx	N 6.0 16
		Uzbek SSR (h = N).				Sk iP	11 02 01.8
"	19	Up iP	00 33 06.3			Um iP	11 01 45.2 C
		Ki iP	00 34 14.1			iS	11 10 44
			micr sec			Ud iP	11 02 15.7 C
		P	Z' 0.1 1.1			ipP	11 02 22.0
		Um iP	00 33 38.5			De iP	11 02 31.8 C
		Ud iP	00 33 13.0			Japan (h = 15 km).	
		ipP	00 33 28.4			m = 6.0, M = 5.8 (Up,Ki).	
		De iP	00 32 41.2	"	19	Up iP	11 28 02.9
		ipP	00 32 56.0			Um iP	11 28 01.8 C
		Crete.				Ud iP	11 27 51.2
		h = 60 km (Ud,De).				i	11 27 56.5
"	19	Up i	00 47 24.1			De iP	11 27 57.2
		Ki iP	00 46 47.9			Costa Rica (h = 35 km).	
		ipP	00 47 02.6	"	19	Up iP	11 56 37.9
		Ud iP	00 47 21.5			Ud iP	11 56 54.8
		ipP	00 47 35.4			Hindu Kush (h = 220 km).	
		De i	00 47 40.3	"	19	Up iP	14 09 38.1
		Mariana Islands.				Ud iP	14 09 45.2 C
		h = 50 km (Ki,Ud).				Japan (h = N).	
				"	19	Ud iP	14 20 41.9
						Japan (h = 30 km).	
				"	19	Ud iP	15 39 12.2 C
						De iP	15 38 54.0

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
Apr.	19	Up	iP	19 18	59.2	Apr.	20 (cont.)				
			iPP	19 22	46.0		Ki iP	09 37 48.9			
					micr sec		Ud iP	09 38 42.3			
			P	Z' 0.1	1.3		i	09 38 43.7			
		Ki	iP	19 18	43.6		De iP	09 39 02.4			
					micr sec		Kurile Islands (h = N).				
			P	Z' 0.1	1.0	"	20	Up iPKP1	11 04 54.1		
		Um	iP	19 18	49.0		20	Ud iPKP1	11 04 52.7		
		Ud	iP	19 19	07.4			De iPKP1	11 05 02.8		
			iPP	19 23	01.8		"	20	Ud eP	11 57 57 C	
		De	iP	19 19	12.7			20	De iP	11 57 48.7	
			iPP	19 23	17.7				North Atlantic Ocean (h = N).		
		Celebes Sea (h = 300 km). m = 5.7 (Up,Ki).					"	20	Ki iP	14 36 24.1	
"	19	Ud	ipP	21 00	04.6					micr sec	
		Andaman Islands (h = N).								P	Z' 0.1 1.0
"	20	Up	iP	02 11	57.8			Um	iP	14 36 51.7	
		Um	iP	02 12	36.9			Ud	iP	14 37 11.7	
			i	02 12	37.9				i	14 37 13.9	
		Ud	iP	02 12	06.2			De	iP	14 37 36.9	
			i	02 12	07.2			Alaska (h = N).			
		De	iP	02 12	20.9		"	20	Up iP	19 55 23.9	
		Sea of Japan (h = 390 km). Double P (Um,Ud), small and large, 1 sec apart.						20	Um ipP	19 55 06.4	
								20	Ud iP	19 55 29.7 D	
"	20	Ud	iP	03 14	10.6			Kurile Islands (h = N).			
"	20	Up	iP	03 37	24.7		"	20	Ud iP	20 23 50.3	
		Ud	iP	03 37	34.9			Turkey.			
		Formosa (h = 70 km).					"	20	Up iP	20 34 46.9	
"	20	Up	iP	05 02	34.7					micr sec	
			i	05 02	48.1				P	Z' 0.1 1.3	
		Um	iP	05 02	50.5			Ud	iP	20 34 53.6	
		Ud	iP	05 02	51.2			Kurile Islands (h = N).			
		De	iP	05 02	32.3		"	20	Up i	21 48 42.1	
		Turkey (h = 30 km).						20	Ud iP	21 48 43.6	
"	20	De	iPKP1	06 22	38.9			Philippine Islands (h = N).			
		Fiji Islands (h = 520 km).					"	21	Up iP	03 58 05.5	
"	20	Up	iP	08 10	41.7			21	Ki iP	03 58 47.8	
		Ki	iP	08 09	47.8			21	Um iP	03 58 21.4	
					micr sec			21	Ud iP	03 58 19.4 C	
			P	Z' 0.1	1.0			21	De iP	03 58 00.6 C	
		Um	iP	08 10	15.1			Iran (h = N).			
		Ud	iP	08 10	40.4		"	21	Up iPKP	04 40 33.1	
		De	iP	08 11	03.1 C			21	Ud iPKP	04 40 34.8	
		Aleutian Islands (h = 45 km).					"	21	Up iP	05 04 54.0	
"	20	Up	iP	09 38	37.7			21	Ki iP	05 04 37.8 C	
					micr sec					micr sec	
			P	Z' 0.1	1.0					P	Z' 0.1 0.6
		(cont.)						(cont.)			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Apr. 21 (cont.)
 Sk iP 05 05 08.5 C
 Um iP 05 04 38.7
 Ud iP 05 05 09.7 C
 De iP 05 05 16.3
 Kazakh SSR.
 This event has been originated
 in the same area as the
 following one.

" 21 Up iP 05 09 55.1 C
 i 05 10 14.9
 iPP 05 11 15.0
 P Z' 0.1 0.5
 Ki iP 05 09 38.7 C
 P Z' 0.2 0.5
 Sk iP 05 10 10.2 C
 Um iP 05 09 39.7 C
 Ud iP 05 10 11.6 C
 De iP 05 10 18.5 C

Kazakh SSR.
 m = 6.2 (Up,Ki).
 Underground explosion.

" 21 Up iP 14 48 21.5
 i(PP) 14 49 29.5
 Ki iP 14 48 35.7
 Sk iP 14 48 50.0
 i(PP) 14 50 07.0
 Um iP 14 48 22.0
 i(PP) 14 49 29.1
 Ud iP 14 48 39.0 C
 iPP 14 50 04.1
 De iP 14 48 33.9
 i 14 48 37.1
 i(PP) 14 49 37.3
 Uzbek SSR (h = N).

" 21 Up iP 17 21 39.1
 Ki e 17 23 12
 Sk iP 17 22 21.0
 Ud iP 17 21 46.8
 Ionian Sea (h = N).

" 21 Ud eP 19 09 02
 Mindanao (h = 120 km).

" 21 Up ipP 19 21 39.9
 i 19 21 51.7
 Ki iP 19 21 32.2
 ipP 19 21 39.5
 i 19 21 51.2
 Sk ipP 19 21 55.4
 i 19 22 05.5

(cont.)

1976

Apr. 21 (cont.)
 Um ipP 19 21 34.0
 i 19 21 46.0
 Ud iP 19 21 43.5
 i 19 21 59.5
 De iP 19 21 44.0
 i 19 21 47.8
 i 19 21 04.3
 Andaman Islands (h = N).

" 21 Up iP 19 53 08.8
 micr sec
 Mx E 1.1 19
 Mx Z 1.1 20
 Ki iP 19 52 43.6
 Sk eP 19 53 11
 Ud iP 19 52 16.6
 Formosa (h = 40 km).

" 21 Up iP 19 57 45.4
 Ki iP 19 57 19.3
 Sk eP 19 57 48
 Ud iP 19 57 54.1
 Formosa (h = 35 km).

" 21 Up iP 20 04 12.0
 micr sec
 P Z' 0.1 1.1
 Ki iP 20 05 37.4
 ipP 20 05 44.1
 micr sec
 P Z' 0.1 1.0
 Sk iP 20 04 55.6
 i 20 04 58.8
 Um iP 20 04 56.2 C
 Ud iP 20 04 10.1
 ipP 20 04 17.1
 i 20 04 25.8
 De eP 20 03 30

Yugoslavia.
 h = 30 km (Ki,Ud).
 m = 5.1 (Up,Ki).

" 21 ✓ Up ipPKP1 20 44 31.5 D
 i 20 44 51.0
 micr sec
 PKP1 Z' 0.2 0.9
 Ki i(PKP) 20 44 13.5
 i 20 47 00.7
 Sk ipPKP1 20 44 26.5
 Um ipPKP1 20 44 21.3
 ipPKP 20 44 26.1
 iSKP1 20 47 16.3
 Ud ipPKP1 20 44 33.9 D
 i 20 46 42.7
 De ipPKP1 20 44 43.5

Tonga-Kermadec Islands
 (h = 500 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976									
Apr.	21	Up	iP	22 03	20.8	Apr.	23	Up	iP	02 03	34.0		
		Ki	iP	22 04	06.7			Ki	iP	02 03	48.2		
		Um	iP	22 03	41.9			Sk	iP	02 04	05.7		
		Ud	iP	22 03	36.9			Um	iP	02 03	34.6 C		
			i	22 03	40.0			Ud	iP	02 03	51.9		
		De	iP	22 03	18.4			De	iP	02 03	47.1		
		Turkey (h = 55 km).						Uzbek SSR (h = N).					
"	22	Ki	iP	01 04	20.3	"	23	Up	iP	03 21	15.8		
		Sk	iP	01 03	39.1			Ki	iP	03 21	55.0		
		Um	iP	01 03	40.8			Sk	eP	03 21	49		
		Ud	iP	01 02	57.4			Um	ipP	03 21	38.9		
		Yugoslavia (h = 35 km).						Ud	iP	03 21	28.7		
									i	03 21	30.7		
"	22	Ud	ipP	16 37	26.1			De	iP	03 21	13.7		
		Red Sea (h = N).						Iran (h = 45 km).					
"	22	Up	iP	17 10	32.1	"	23	Ud	iP	04 29	04.8		
			i	17 10	33.7			Dodecanese Islands (h = 80 km).					
			i(PP)	17 11	43.3			"	23	Ki	iP	04 30	52.1 C
			iS	17 16	28					Um	iP	04 30	58.6 C
										Ud	iP	04 31	18.8 C
								Samar (h = N).					
			P	Z'	0.7 1.4			"	23	Up	iP	05 24	24.3
			Mx	E	2.6 17					Ki	i	05 23	32.1
			Mx	N	3.2 22					Um	i	05 24	07.5
			Mx	Z	3.6 18					Ud	iP	05 24	24.9
		Ki	iP	17 11	10.3			Aleutian Islands (h = N).					
			i	17 11	11.7			"	23	Ud	iPKP1	08 54	23.0
			iS	17 17	37					De	iPKP1	08 54	33.2
								Fiji Islands (h = 560 km).					
			P	Z'	1.5 2.0			"	23	Up	iP	09 46	43.9
			Mx	E	3.2 12					Ki	eP	09 45	54
			Mx	N	3.7 15					Um	iP	09 46	21.4
			Mx	Z	3.7 13					Ud	iP	09 46	53.0
		Sk	iP	17 11	07.3			Kurile Islands (h = 50 km).					
			i	17 11	08.8			"	23	Up	i(P)	14 11	05.3
			iPP	17 12	56.9			"	23	Up	iSgl	15 03	50.5
		Um	iP	17 10	46.2					Sk	eSgl	15 03	50
			i	17 10	47.6					Ud	iSgl	15 02	52.3
			iS	17 16	54			Southwest Norway, 58.3°N, 6.4°E. Origin time = 15 00 45. M _L = 2.4 (Up,Sk,Ud).					
		Ud	iP	17 10	47.5			By combination with Bergen and Kongsberg readings.					
			i	17 10	49.1			"	23	Ud	iP	16 26	50.2
		De	iP	17 10	30.4								
			i	17 10	32.0								
		Iran (h = 25 km).											
		m = 6.3, M = 5.4 (Up,Ki).											
		Double P, small and large, average separation 1.7 sec.											
"	22	Um	iP	19 33	51.1								
		Japan (h = 60 km).											
"	23	Sk	eP	01 40	08								
		Um	iP	01 40	07.1								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976										
Apr.	24	Ud	iP	23 24	44.6	Apr.	25	Up	iPKP1	21 06	04.9			
				North Atlantic Ocean (h = N).					iSKP1	21 08	59.7			
"	25	Up	iP	00 32	30.9			Ki	iPKP	21 05	58.2			
				micr sec					iSKP1	21 08	35.7			
			P	Z'	0.1 1.4			Um	i(PKP)	21 05	59.6			
			Mx	E	0.8 14				iPKP	21 06	04.8			
			Mx	Z	1.4 20			Ud	iPKP1	21 06	06.2			
		Ki	iP	00 32	28.5				iSKP1	21 09	01.8			
				micr sec				De	iPKP1	21 06	18.3 C			
			P	Z'	0.2 1.5			Fiji Islands (h = 520 km).						
			Mx	E	0.7 12		"	25	Ud	i(PKP)	22 35	57.0		
			Mx	Z	0.7 14				iPKP	22 35	59.8			
		Um	iP	00 32	30.8 C			Solomon Islands (h = 55 km).						
		De	iP	00 32	27.9		"	25	Up					
		North Atlantic Ocean (h = N).							Mx	E	1.1	19		
		m = 5.3, M = 4.3 (Up,Ki).							Mx	Z	1.1	21		
"	25	Up	iP	06 23	14.4			Ki						
		Ki	iP	06 23	09.8									
		Sk	iP	06 22	40.2									
		Um	iP	06 23	12.6									
		Ud	iP	06 22	53.1									
		De	iP	06 23	12.1									
		North Atlantic Ocean (h = N).												
"	25	Ki	iP	06 28	21.9			"	25	Up	iP	22 59	21.9	
		Um	iP	06 28	27.0					Ki	iP	22 58	43.0	
		Ud	iP	06 28	08.3 C					Sk	i	22 59	21.1	
		North Atlantic Ocean (h = N).								Um	iP	22 59	00.8 C	
"	25	Um	iSKP1	07 04	29.3					Ud	iP	22 59	29.4 C	
		Ud	iPKP1	07 01	50.1 C					Japan (h = N).				
			iSKP1	07 04	41.6			"	26	Up	iP	05 04	49.1	
		De	iPKP1	07 02	01.7						P	Z'	0.1 1.0	
		Tonga-Kermadec Islands								Ki	iP	05 05	26.5	
		(h = 460 km).												
"	25	Ud	iP	11 30	59.6						P	Z'	0.1 1.0	
		Vancouver Island (h = N).								Sk	iP	05 05	24.2	
"	25	Up	iLg2	12 15	47.3					Um	iP	05 05	03.2	
		Ki	i(P)	12 08	17.8					Ud	iP	05 05	03.6	
			iP	12 08	26.7					De	iP	05 04	46.8	
			iS	12 10	17.6					Iran (h = 30 km).				
			i	12 10	38.2					m = 5.5 (Up,Ki).				
		Um	iP	12 09	16.9			"	26	Ki	iP	10 44	25.4	
			i	12 11	33.6					Sk	iP	10 45	19.0	
			i	12 12	09.4					Um	i	10 45	23.9	
			iLg1	12 13	20.6					Ud	iP	10 45	58.6	
		South Svalbard,									i	10 46	08.7	
		77.3°N, 21.4°E.								Greenland Sea (h = N).				
		Origin time = 12 06 05.							"	27	Ki	iPKP	10 36	37.9
		Solution from Helsinki									Sk	iPKP	10 36	47.6
		regional bulletin.									Um	iPKP	10 36	44.2
										Santa Cruz Islands (h = 35 km).				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

Apr.	27	Up	i(PKP)	15 28 15.9
		Ki	iPKP	15 28 06.9
		Um	i(PKP)	15 28 04.8
		Ud	i(PKP)	15 28 16.2
			iPKP1	15 28 19.7
		De	iPKP1	15 28 28.7
		Tonga-Kermadec Islands (h = 480 km).		
"	27	Ud	iP	16 47 00.6
		Japan (h = 100 km).		
"	27	Ud	iP	18 26 58.4
		Mexico (h = N).		
"	27	Ki	iP	19 42 24.2
		Um	iP	19 42 51.3
		Ud	iP	19 43 20.0
		Aleutian Islands (h = 45 km).		
"	28	Up	iP	04 52 15.7
		Um	iP	04 52 11.7
			i	04 52 26.8
		Guatemala (h = 70 km).		
"	28	Ki	iP	08 12 44.9
"	28	Up	iPKP	08 16 58.8
		Ki	ePKP	08 16 48
		Sk	iPKP	08 16 59.3
		Um	iPKP	08 16 53.1
			i	08 17 41.1
		Ud	iPKP	08 17 02.2
		De	iPKP	08 17 07.2
		Bismarck Sea (h = 520 km).		
"	28	Ud	iP	17 33 34.3
			i	17 33 35.9
"	28	Ki	iP	23 17 31.7
		Ud	iP	23 18 23.1
		Kurile Islands (h = 50 km).		
"	29	Up	iPKP1	06 52 23.3
				micr sec
			PKP1	Z' 0.2 1.0
			Mx	E 1.2 21
			Mx	N 1.9 21
			Mx	Z 3.4 21
		Ki	iPKP	06 52 07.8
				micr sec
			Mx	E 1.1 15
			Mx	N 2.3 19
			Mx	Z 2.1 19

(cont.)

1976

Apr.	29	(cont.)		
		Sk	iPKP	06 52 16.2
		Um	iPKP1	06 52 12.3 C
			i	06 54 42.5
		Ud	iPKP1	06 52 24.8 C
		De	iPKP1	06 52 33.9 C
		Kermadec Islands (h = 60 km).		
		M = 6.0 (Up,Ki).		
"	29	Up	iPKP1	08 29 59.4
		Ud	iPKP1	08 30 02.1
		De	iPKP1	08 30 13.2
		Tonga-Kermadec Islands (h = 600 km).		
"	29	Ud	iPKP1	09 37 25.3
		De	iPKP1	09 37 41.8
"	29	Ud	iP	10 18 28.2
"	29	Um	iP	10 44 30.4
"	29	Up	iP	12 20 31.0 C
		Ki	iP	12 20 11.5 C
		Um	iP	12 20 17.8
		Ud	iP	12 20 38.9
		Philippine Islands (h = 20 km)		
"	29	Um	iPKP	13 00 38.2
		Ud	iPKP	13 00 47.4
		De	iPKP	13 00 53.2
		Solomon Islands (h = 400 km).		
"	29	Um	iP	18 33 04.4
"	29	Sk	iSgl	21 53 55.0
		Ud	iSgl	21 54 39.7
			i	21 54 45.1
		Off coast of Norway, 62.6°N, 5.4°E.		
		Origin time = 21 52 13.		
		M _L = 2.4 (Ud).		
		By combination with Bergen and Kongsberg readings.		
"	29	Sk	iP	22 10 58.6
		Um	iP	22 11 14.3
"	29	Up	iP	22 23 26.4
			i	22 23 33.2
			i	22 23 42.1
			iS	22 27 49
				micr sec
			P	Z' 0.1 1.0

(cont.)

SEISMOLOGICAL INSTITUTE
BOX 517
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

U P P S A L A , K I R U N A , S K A L S T U G A N , U M E Å ,

U D D E H O L M and D E L A R Y

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

M A Y 1 - 31, 1976

1976				1976					
May	1	Ud	eP	02 04 57	May	1	Up	iP	19 45 17.5
"	1	Um	iP	02 44 19.9			i		19 45 40.0
		Kamchatka (h = 180 km).					Ki	eP	19 44 35
							Um	iP	19 44 53.5
"	1	Up	iP	05 15 15.8			i		19 45 20.4
		Um	iP	05 15 56.9			Ud	iP	19 45 24.2
		Ud	iP	05 15 18.3			i		19 45 49.9
		De	iP	05 14 36.6			De	eP	19 45 42
		Sicily (h = 40 km).					Japan (h = 70 km).		
"	1	Up	iP	07 31 36.4	"	1	Up	iPKP1	22 04 03.8
		Ki	iP	07 32 42.3			Ud	iPKP1	22 04 06.3
		Ud	iP	07 31 45.8	"	2	Up	i	00 31 06.6
		De	iP	07 31 11.7			Ud	iP	00 31 06.7
		i		07 31 17.1	"	2	Ud	iPKP1	01 26 16.2
		Turkey (h = N).					De	iPKP1	01 26 27.2
"	1	Up	iP	11 44 17.4	"	2	Up	iP	04 05 34.6
		Ki	iP	11 44 10.1			Ki	iP	04 05 34.5
		Sk	e	11 44 37			Um	iP	04 05 31.0
		Um	i	11 44 10.9			Ud	iP	04 05 44.6
		Ud	iP	11 44 30.7			De	iP	04 05 42.9
		De	i	11 44 41.6	"	2	Up	iP	07 29 49.5
		Sinkiang, China (h = N).						ipP	07 29 54.1
"	1	Ud	iP	12 51 10.0					micr sec
"	1	Um	iP	12 53 18.5			P	Z'	0.1 1.0
"	1	Ud	iP	16 38 01.6			Ki	iP	07 29 31.0
		Iran-USSR (h = 15 km).						ipP	07 29 36.1
"	1	Um	iP	18 08 38.8					micr sec
		Ud	iP	18 09 01.8			P	Z'	0.1 1.0
							Sk	eP	07 29 54
							Um	iP	07 29 36.9
							(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
May	2	(cont.)		May	3	Up	ePKP1	13 55 21
		Ud	iP			Sk	iPKP1	13 55 11.0
			ipP			Ud	iPKP1	13 55 20.2
		De	iP			De	iPKP1	13 55 28.1
		Luzon.				Kermadec Islands (h = N).		
		h = 15 km (Up,Ki,Ud).						
		m = 5.9 (Up,Ki).						
"	2	Ki	iP	"	3	Ud	iPKP1	14 10 46.1
		Ud	i				iPKP	14 10 50.1
		Kurile Islands (h = N).				De	ePKP1	14 10 55
						Tonga Islands (h = N).		
"	2	Um	iP	"	3	Up	i	15 51 34.7
		Ud	iP			Sk	iPKP1	15 51 24.3
						Ud	iPKP1	15 51 33.3
							i	15 51 56.3
"	2	Up	iPKP1			De	ePKP1	15 51 43
		Ki	iPKP			Kermadec Islands (h = N).		
			iSKP1					
			i	"	3	Ud	iP	22 03 14.6
			micr sec	"	3	Up	iP	22 03 48.5
		SKP1	Z' 0.1 1.0			Um	iP	22 03 31.3
		i	Z' 0.1 0.9			Ud	iP	22 03 57.9
		Sk	ePKP1	"	3	Ud	iP	22 59 35.9
			i					
		Um	iPKP1	"	4	Up	iP	03 50 32.4
			iSKP1			Um	iP	03 50 06.4
		Ud	iPKP1			Ud	iP	03 50 37.5
			iSKP1	"	4	Up	iP	04 20 10.0
		De	iPKP1				ipP	04 20 16.7
			i					micr sec
		Tonga-Kermadec Islands					P	Z' 0.1 1.3
		(h = 190 km).					pP	Z' 0.1 1.5
"	2	Up	iP			Ki	iP	04 20 38.2
			i			Sk	epP	04 20 15
		Ki	eP			Um	iP	04 20 28.5
		Sk	e				ipP	04 20 35.1
		Um	iP			Ud	iP	04 19 58.9
		Ud	iP				ipP	04 20 06.1
		De	iP			Atlantic Ocean.		
		Iran (h = 45 km).				h = 25 km (Up,Um,Ud).		
"	2	Ki	iP	"	4	Up	iP	04 51 32.7
		Ud	iP				i	04 51 36.5
		De	iP				i	04 51 42.6
		New Britain (h = 180 km).						micr sec
						P	Z' 0.1 1.4	
"	2	Up	iPKP1			i	Z' 0.4 1.7	
		Sk	ePKP1			Mx	E 1.2 20	
		Ud	iPKP1			Mx	N 1.0 18	
		De	iPKP1			Mx	Z 1.5 19	
		Kermadec Islands (h = N).				Ki	iP	04 52 01.9
"	3	Up	iP			(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 4 (cont.)
 Ki i 04 52 05.7
 i 04 52 27.8
 micr sec
 P Z' 0.3 1.7
 Sk iP 04 51 31.2
 i 04 51 34.9
 Um iP 04 51 51.8
 i 04 51 59.8
 i 04 52 16.9
 iS 05 00 59
 Ud iP 04 51 22.2
 i 04 51 26.0
 i 04 51 31.8
 De iP 04 51 12.4
 i 04 51 15.7
 Atlantic Ocean (h = N).
 m = 6.2 (Up,Ki).

" 4 Ki iP 06 11 45.2
 Um iP 06 11 47.1
 Ud iP 06 12 10.2
 Yunnan, China (h = N).

" 4 Up ePKP1 08 49 27
 Ud iPKP1 08 49 27.7
 De iPKP1 08 49 38.5
 Tonga Islands (h = 55 km).

" 4 Up iP 08 56 05.9
 i 08 56 07.4
 micr sec
 P Z' 0.1 1.0
 Ki iP 08 55 59.9
 micr sec
 P Z' 0.1 1.0
 Sk iP 08 55 49.4
 Um iP 08 56 05.6 C
 i 08 56 27.4
 Ud iP 08 55 57.4
 ipP 08 56 08.5
 De iP 08 56 03.5
 Honduras.
 h = 35 km (Ud).
 m = 6.0 (Up,Ki).

" 4 Up iP 09 35 45.7 C
 i 09 35 52.1
 Ki iP 09 35 28.4
 Sk eP 09 35 51
 Um iP 09 35 33.8 C
 Ud iP 09 35 54.7
 Mindoro (h = 70 km).

1976

May 4 Up iPKP 10 00 58.0
 Ki i(PKP) 10 00 34.7
 iPKP 10 00 44.0
 Sk iPKP 10 00 54.8
 Um iPKP 10 00 50.1
 Ud iPKP 10 00 59.1
 De iPKP 10 01 06.0
 Santa Cruz Islands (h = 170 km).

" 4 Up i 14 16 43.5
 iPKP2 14 16 51.1
 micr sec
 PKP2 Z' 0.2 1.3
 Mx E 5.8 19
 Mx N 7.5 20
 Mx Z 6.8 20
 Ki iPKP 14 16 14.4
 iPKP1 14 16 19.8
 micr sec
 PKP1 Z' 0.3 1.0
 Mx E 4.4 20
 Mx N 3.9 20
 Mx Z 8.7 22
 Sk ePKP 14 16 21
 iPKP1 14 16 34.3
 iPKP2 14 16 51.8
 Um iPKP 14 16 16.5
 iPKP1 14 16 25.3
 Ud iPKP 14 16 25.2
 iPKP1 14 16 38.8
 iPKP2 14 16 57.1
 De iPKP 14 16 24.6
 iPKP2 14 17 05.5
 South Island, New Zealand
 (h = 20 km).
 M = 6.5 (Up,Ki).

" 4 Um iP 14 32 43.7

" 4 Up iPKP1 17 45 57.6
 Sk i 17 46 01.7
 Um iPKP 17 45 52.9
 Ud iPKP1 17 45 58.3
 De iPKP1 17 46 07.9
 i 17 46 22.6
 Tonga Islands (h = 40 km).

" 4 Up iP 20 48 55.4
 ipP 20 49 03.0
 Ki epP 20 48 22
 Um iP 20 48 37.6
 ipP 20 48 45.1
 Ud iP 20 48 47.7
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	4	(cont.) Ud ipP 20 48 55.4 California. h = 25 km (Up,Um,Ud).		May	5	Up iP 06 12 19.6 Ud iP 06 12 21.4	
"	4	De iP 23 34 05.5		"	5	Up iPKP1 08 44 11.6 Sk iPKP1 08 44 05.0 Um iPKP1 08 44 00.0 Ud iPKP1 08 44 13.6 De i 08 44 26.2 Kermadec Islands.	
"	5	Up iP 01 28 56.5 Ud iP 01 29 05.0 Mindoro (h = 60 km).		"	5	Up iP 13 16 38.8 P Z' 0.1 1.3	
"	5	Up iP 04 04 34.1 Um iP 04 04 30.0 ipP 04 05 05.9 Ud iP 04 04 51.4 ipP 04 05 27.3 De i 04 04 50.6 Hindu Kush. h = 170 km (Um,Ud).		"	5	Up iP 13 37 14.1 Ud iP 13 37 20.3 Kurile Islands (h = 20 km).	
"	5	Up iPKP 05 12 29.4 iPKP1 05 12 33.0 iPKP2 05 12 36.4 i 05 22 49.0 micr sec PKP Z' 0.2 1.8 PKP1 Z' 0.2 1.0 PKP2 Z' 2.0 0.8 Mx E 21 24 Mx N 38 23 Mx Z 52 23 Ki iPKP1 05 12 12.0 iPKP 05 12 14.1 micr sec PKP Z' 0.2 0.7 Mx E 19 22 Mx N 37 21 Mx Z 39 22 Sk iPKP1 05 12 25.3 Um iPKP1 05 12 20.4 i 05 12 23.4 Ud iPKP 05 12 30.3 iPKP1 05 12 34.3 iPKP2 05 12 38.7 De iPKP 05 12 36.2 iPKP1 05 12 43.1 Kermadec Islands (h = 35 km). M = 7.2 (Up,Ki).		"	5	Up i 13 52 35.5 Sk e 13 52 26 Um i 13 52 15.2 Ud iPKP1 13 52 25.7 i 13 52 32.2 i 13 52 39.3	
"	5	Up iPKP 05 12 29.4 iPKP1 05 12 33.0 iPKP2 05 12 36.4 i 05 22 49.0 micr sec PKP Z' 0.2 1.8 PKP1 Z' 0.2 1.0 PKP2 Z' 2.0 0.8 Mx E 21 24 Mx N 38 23 Mx Z 52 23 Ki iPKP1 05 12 12.0 iPKP 05 12 14.1 micr sec PKP Z' 0.2 0.7 Mx E 19 22 Mx N 37 21 Mx Z 39 22 Sk iPKP1 05 12 25.3 Um iPKP1 05 12 20.4 i 05 12 23.4 Ud iPKP 05 12 30.3 iPKP1 05 12 34.3 iPKP2 05 12 38.7 De iPKP 05 12 36.2 iPKP1 05 12 43.1 Kermadec Islands (h = 35 km). M = 7.2 (Up,Ki).		"	5	Up eP 15 07 20 Ud iP 15 07 28.0 Philippine Islands (h = 15 km).	
"	5	Up iP 16 32 22.9 Ki iP 16 31 56.4 Um iP 16 32 06.8 Ud iP 16 32 31.4 Ryukyu Islands (h = 15 km).		"	5	Up iP 19 23 30.0	
"	5	Up iP 20 53 27.6		"	5	Up ePKP1 20 14 32 Um iPKP1 20 14 19.2	
"	5	Up iP 21 54 12 i 21 54 14.8 Sk iPKP1 21 54 03.7 Um iPKP1 21 53 58.6 Ud ePKP1 21 54 13 De iPKP2 21 54 31.3 Kermadec Islands.		"	5	Up iPKP1 23 09 09.0 i 23 09 17.2 Sk iPKP1 23 09 02.5 i 23 09 10.1 (cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 5 (cont.)
 Um iPKP1 23 08 57.0
 Ud iPKP1 23 09 11.2
 iPKP2 23 09 15.7
 De iPKP1 23 09 19.5
 i 23 09 27.0
 Kermadec Islands (h = 50 km).

" 6 Up iPKP1 00 50 06.3
 micr sec
 PKP1 Z' 0.1 1.2
 Ki iPKP 00 49 49.5
 Sk iPKP1 00 49 59.7
 i 00 50 15.5
 Um iPKP1 00 49 54.6 C
 Ud iPKP1 00 50 08.5 C
 iPKP2 00 50 13.2
 De iPKP1 00 50 16.2
 iPKP2 00 50 26.8
 Kermadec Islands.

" 6 Um iP 01 13 17.4
 Ud iP 01 13 43.8

" 6 Up iP 01 27 25.6
 Ki eP 01 27 56
 Sk eP 01 27 56
 Um iP 01 27 37.0
 Ud iP 01 27 39.3
 De iP 01 27 25.3
 Arabian Sea (h = N).

" 6 Ud iP 08 03 23.2

" 6 Up iP 08 30 15.7
 Um iP 08 30 11.4
 Ud iP 08 30 31.1
 De eP 08 30 30
 Tibet-India (h = 50 km).

" 6 Ud iP 08 57 00.8
 De iP 08 56 57.4
 i 08 57 11.2

" 6 Ud iP 10 46 05.3
 i 10 46 18.2

" 6 Up iRg 11 37 11.0
 Ud iSgl 11 37 53.5
 De eSgl 11 38 47
 East-central Sweden.
 Near-surface event.

" 6 Up iPKP1 13 50 24.1
 Ki iPKP 13 50 07.4
 (cont.)

1976

May 6 (cont.)
 Sk iPKP1 13 50 16.8
 i 13 50 31.0
 Um iPKP1 13 50 11.8 C
 Ud iPKP1 13 50 25.6 C
 iPKP2 13 50 30.6
 De iPKP1 13 50 33.6
 iPKP2 13 50 43.8
 Kermadec Islands (h = N).

" 6 Sk ePKP1 13 54 24
 Um iPKP1 13 54 17.8
 Ud iPKP1 13 54 32.0
 De iPKP2 13 54 51.3
 Kermadec Islands.

" 6 Up iPKP1 14 54 25.7
 i 14 54 35.5
 Sk iPKP1 14 54 20.0
 i 14 54 36.0
 Um iPKP1 14 54 14.0 C
 i 14 54 26.8
 Ud iPKP1 14 54 27.6
 iPKP2 14 54 32.6
 De iPKP1 14 54 36.0
 i 14 54 44.4
 Kermadec Islands (h = N).

" 6 Up iPKP1 15 07 56.6
 Sk iPKP1 15 07 50.7
 Um iPKP1 15 07 44.8
 Ud iPKP1 15 07 58.5
 iPKP2 15 08 03.3
 De iPKP1 15 08 07.0
 iPKP2 15 08 17.7
 Kermadec Islands (h = N).

" 6 Up iPKP1 15 50 02.6
 Um iPKP1 15 49 50.6
 Ud iPKP1 15 50 04.4
 iPKP2 15 51 09.1
 Kermadec Islands.

" 6 Up i 17 01 14.1
 Ki iP 17 00 49.3
 Um iP 17 00 48.0
 Ud iP 17 01 13.6
 De i 17 01 24.5
 Sinkiang, China (h = 30 km).

" 6 Up iP 17 53 41.9
 Ki iP 17 52 56.7
 Um iP 17 53 17.0
 Ud iP 17 53 48.0
 De eP 17 54 06
 Kurile Islands (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May	6	Up	iP	18 04 26.9 C	May	6	Up	iP	21 10 58.7
				micr sec				i	21 11 05.7
			P	Z' 0.1 1.2				iS	21 13 24.3
		Ki	iP	18 05 35.8				i	21 13 56.2
		Sk	iP	18 05 05.7 C				iLg2	21 15 05.7
		Um	iP	18 05 00.0			Ki	iP	21 12 35.3
		Ud	iP	18 04 34.2 C			Sk	eP	21 11 44
		De	iP	18 04 01.0 C			Um	iP	21 11 50.2
				Crete (h = 45 km).				i	21 11 53.0
"	6	Up	iP	18 15 56.1			Ud	iP	21 11 00.3
		Um	iP	18 15 45.1				i	21 11 07.6
		Ud	iPKP1	18 15 56.5				i	21 14 40.2
			iPKP2	18 16 00.6				iLg2	21 15 09.6
		De	iPKP1	18 16 06.0			De	iP	21 10 07.7
				Kermadec Islands.				iS	21 12 02.1
									Austria (h = N).
"	6	Up	iP	20 02 25.5	"	6	Up	i	21 49 03.3
		Ki	iP	20 03 58.9				iLg2	21 49 36.7
				micr sec			De	iLg2	21 47 39.6
			P	Z' 0.1 1.2					Austria (h = N).
		Sk	iP	20 03 09.0	"	6	Up	i	21 53 06.0
		Um	iP	20 03 16.8				i	21 55 46.4
		Ud	iP	20 02 25.4				i	21 56 30.5
			i	20 02 30.3				iLg2	21 57 01.1
		De	iP	20 01 31.4			Ki	iP	21 54 31.4
				Austria (h = N).			Sk	iP	21 53 45.9
"	6	Up	iP	20 03 28.5 C			Um	iP	21 53 52.8
			i	20 03 30.3				i	21 54 04.9
			i	20 03 34.3			Ud	i	21 53 05.5
			iS	20 06 28				i	21 56 26.1
				micr sec				iLg2	21 57 16.2
			P	Z' 0.2 1.3			De	iP	21 52 06.7
			i	Z' 0.7 1.1				i	21 53 40.1
			i	Z' 2.3 1.1				iLg1	21 55 01.4
		Ki	iP	20 05 06.4 C					Austria (h = N).
			iS	20 09 12	"	6	Up	iLg2	23 14 26.9
				micr sec			Ud	iLg2	23 14 37.6
			P	Z' 4.5 1.0			De	eP	23 09 31
		Sk	iP	20 04 14.3 C				i	23 11 49.5
		Um	iP	20 04 21.0 C				i	23 12 45.9
			i	20 04 22.3					Austria (h = N).
			iS	20 07 45	"	6	Up	iPKP1	23 43 57.5 C
		Ud	iP	20 03 29.0 C				i	23 44 08.5
			i	20 03 30.9					micr sec
		De	iP	20 02 38.9 C				PKP1	Z' 0.1 0.9
				Austria (h = 10 km).			Um	iPKP1	23 43 46.1
				m = 6.8 (Up,Ki).			Ud	iPKP1	23 43 59.2 C
"	6	Ud	i	20 31 42.5				i	23 44 09.4
		De	i	20 29 47.8			De	iPKP1	23 44 08.2 C
			iLg2	20 30 27.2					Kermadec Islands (h = N).
				Austria (h = N).					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May	7	Up	iP	00 17 35.7	May	7	Up	iPKP1	04 30 19.5
		Ki	iP	00 17 49.8			Ud	iPKP1	04 30 21.7
		Um	iP	00 17 36.1			De	iPKP1	04 30 30.2
		Ud	iP	00 17 53.0					
		De	iP	00 17 48.2	"	7	Up	iP	04 45 08.0
		Uzbek SSR (h = N).					Ud	iP	04 45 13.5
"	7	Up	iP	00 27 07.9	"	7	Up	iP	05 24 13.7
		i		00 27 10.6			ipP		05 24 48.5
		i		00 27 15.3			Ki	iP	05 24 19.6
		i		00 30 53.0			ipP		05 24 56.3
		iLg1		00 31 10.8			Um	iP	05 24 19.0
				micr sec			Ud	iP	05 24 04.8
		P	Z'	0.1 1.2			ipP		05 24 40.6
		i	Z'	0.1 1.1			De	iP	05 24 04.1
		Mx	E	1.3 8			Peru-Brazil.		
		Mx	N	2.8 1.3			h = 140 km (Up,Ki,Ud).		
		Mx	Z	6.0 9					
		Ki	iP	00 28 43.2	"	7	Ud	iP	05 47 54.9
		iS		00 32 45.1			Leeward Islands (h = N).		
		iLg1		00 35 31.0					
				micr sec	"	7	De	i	06 06 45.3
		P	Z'	0.2 1.4			iLg2		06 07 42.7
		Mx	E	1.8 7			Austria (h = N).		
		Mx	N	2.5 8					
		Mx	Z	2.9 9	"	7	De	iP	09 43 42.6
		Sk	iP	00 27 52.4			i		09 43 47.9
		i		00 31 36.6			iLg2		09 46 52.6
		iLg1		00 33 15.6			Italy (h = N).		
		Um	iP	00 27 58.4	"	7	De	i(P)	11 20 29.0
		i		00 28 01.1					
		i		00 31 40.9	"	7	Up	i(P)	13 20 07.9
		Ud	iP	00 27 06.3					
		i		00 27 11.0	"	7	Ud	iLg2	13 50 17.6
		i		00 27 20.0			De	eP	13 45 21
		i		00 29 50.3			i		13 47 39.2
		De	iP	00 26 15.9			iLg2		13 48 11.4
		i		00 28 00.6			Austria (h = N).		
		Italy (h = N).			"	7	Up	iPKP1	14 24 15.6
		m = 5.4 (Up,Ki).					Ud	iPKP1	14 24 16.4
"	7	Up	iP	01 40 59.2			De	iPKP1	14 24 27.4
		Ki	iP	01 41 08.8			i		14 24 33.0
		Um	iP	01 40 57.3			i		14 24 39.8
		Ud	eP	01 41 15			Tonga Islands (h = N).		
		De	eP	01 41 14	"	7	De	eP	16 30 09
		Afghanistan-USSR (h = 90 km).							
"	7	Up	iP	01 57 03.4	"	7	De	iLg2	20 18 14.7
"	7	Up	iP	02 05 52.8			Austria (h = N).		
"	7	Up	eP	04 22 21	"	7	Sk	i	21 37 41.9
		Ud	iP	04 22 20.8			Um	iPKP1	21 37 28.6
		i		04 22 31.8			i		21 37 36.4
		Aleutian Islands (h = 55 km).					Ud	iPKP1	21 37 42.7
							De	iPKP2	21 37 58.5

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	7	Ud	iP	22 56 22.6	May	8	(cont.)
"	7	Um	iP	23 10 40.2			Ud iRg 10 38 01.7
				Turkey (h = N).			De iSgl 10 39 17.6
"	7	De	iPKP	23 23 31.3			Central Sweden, 59.8°N, 15.3°E.
				Tonga Islands (h = 20 km).			Origin time = 10 37 31.
"	8	Up	iP	00 22 33.2	"	8	Up iP 10 39 42.8
				micr sec			Ud iP 10 39 50.2
				P Z' 0.1 1.1			Mindanao (h = 80 km).
		Ki	iP	00 21 11.1	"	8	Up eP 11 35 33
			i	00 21 20.9			Ki iP 11 34 34.7
			iS	00 22 37.2			ipP 11 34 38.8
				micr sec			Um ipP 11 35 08.0
				P Z' 0.1 0.7			De ipP 11 35 57.7
				i Z' 0.2 0.9			Alaska.
		Mx	E	4.9 17			h = 15 km (Ki).
		Mx	N	1.1 15	"	8	Um iP 16 47 45.9
		Mx	Z	2.4 16			Ud i 16 48 26.6
		Sk	iP	00 21 34.6	"	8	Up iP 17 07 42.3
			iS	00 23 19.3			Ud iP 17 07 42.0
		Um	iP	00 21 54.6	"	8	Up iP 18 25 44.2
			i	00 21 56.6	"	8	Up i 20 46 59.0
		Ud	iP	00 22 22.6			iLgl 20 47 44.1
			i	00 22 35.6			Ki eP 20 45 25
		De	iP	00 23 08.8			Ud eP 20 43 47
				Norwegian Sea (h = N).			eS 20 46 38
"	8	Up	iP	03 13 25.8			De eP 20 43 00
			i	03 16 20.2			i 20 45 21.5
			i	03 16 25.8			Austria (h = N).
			iLg2	03 17 32.5	"	8	Up e(PKP) 21 25 49
		Um	iP	03 14 17.1			Um i(PKP) 21 25 32.0
		Ud	i	03 13 33.0			i(PKP) 21 25 39.8
			i	03 13 41.3			iPKP 21 25 47.9
			i	03 16 36.5			Ud e(PKP) 21 25 44
			iLg2	03 17 28.9			iPKP 21 25 59.4
		De	iP	03 12 32.5			De iPKP 21 26 06.0
			i	03 14 40.9	"	8	Up iP 23 14 03.8
			i	03 15 10.3			Ki iP 23 14 04.2
			iLg2	03 15 42.9			Um iP 23 14 00.8
				Austria (h = N).			Ud iP 23 14 14.2
"	8	De	iP	03 40 08.8			De iP 23 14 12.2
"	8	Up	iP	05 45 12.5			Sumatra (h = 35 km).
		Um	iP	05 45 06.9	"	8	Up iP1 23 29 57.5
		Ud	iP	05 45 21.4			iP2 23 29 59.7
				Java (h = 90 km).			i 23 30 09.0
"	8	Up	i	10 38 10.5			(cont.)
			iRg	10 38 14.0			
		Um	iSgl	10 39 54.5			
		Ud	iSgl	10 37 56.9			
				(cont.)			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May	9	(cont.)			
		Ki		micr	sec
		P	Z'	0.1	1.0
		Sk	iP	08 03	47.2
		Um	iP	08 03	31.1
			ipP	08 03	48.4
		Ud	iP	08 03	43.5
			ipP	08 04	01.8
		De	iP	08 03	41.9
		Sumatra.			
		h = 60 km (Ki,Um,Ud).			
"	9	Up	iPKP1	09 04	55.4
		Um	iPKP1	09 04	43.9
		Ud	iPKP1	09 04	57.3
"	9	Up	iP	11 04	04.4
"	9	Up	i	11 15	51.5
		Sk	i	11 15	42.6
		Um	iPKP1	11 15	24.2
			i	11 15	35.1
		Ud	iPKP1	11 15	37.4
			i	11 15	53.3
		De	i	11 15	59.1
"	9	Up	iP	11 24	39.5
		Um	iP	11 25	10.1
		Ud	iP	11 24	49.1
		De	iP	11 24	18.2
		Turkey (h = 10 km).			
"	9	Up	iP	13 25	59.7
		Um	iP	13 25	37.5
		Ud	iP	13 26	06.4
		Japan (h = 30 km).			
"	9	Up	iP	15 06	09.3
			i	15 06	16.6
		Um	iP	15 06	42.7
			i	15 06	47.7
		Ud	iP	15 06	22.5
			i	15 06	26.0
		De	iP	15 05	48.9
			i	15 05	53.0
		Turkey (h = 25 km).			
"	9	Up	iPKP1	16 40	09.3
		Ud	iPKP1	16 40	11.1
"	9	Up	iP	20 39	57.7
			i	20 40	26.9
		Ki	iP	20 39	24.4
		Sk	eP	20 39	55
		Um	iP	20 39	38.7
		(cont.)			

1976

May	9	(cont.)			
		Ud	iP	20 40	05.2
		De	iP	20 40	17.5
		Japan (h = 390 km).			
"	9	Up	iPKP	21 03	29.7
			ipPKP	21 03	39.3
		Ki	iPKP	21 03	18.5
			ipPKP	21 03	27.4
		Sk	iPKP	21 03	29.1
		Um	iPKP	21 03	23.6
			ipPKP	21 03	33.0
			iPP	21 04	19.0
		Ud	iPKP	21 03	31.8
			ipPKP	21 03	41.9
			iPP	21 04	55.7
		De	iPKP	21 03	37.5
			ipPKP	21 03	47.3
		Solomon Islands.			
		h = 30 km (Up,Ki,Um,Ud,De).			
"	9	Up	iPKP	22 07	16.8
		Um	iPKP	22 07	10.2
		Ud	iPKP	22 07	19.3
		De	iPKP	22 07	24.4
		Solomon Islands (h = 25 km).			
"	9	Up	iPKP	22 08	34.1
		Ud	iPKP	22 08	36.4
		De	iPKP	22 08	41.7
		Solomon Islands.			
"	9	Sk	iPKP1	23 41	25.6
		Um	iPKP1	23 41	20.9
		Ud	iPKP1	23 41	34.6
"	10	Up	iPKP1	02 22	35.0
		Ud	iPKP1	02 22	37.5
		De	iPKP1	02 22	47.8
"	10	Up	eP	04 39	12
			i	04 39	19.0
			i	04 42	27.0
			iLg2	04 43	23.1
		Ki	iP	04 40	49.9
		Sk	eP	04 39	59
			iLg2	04 45	20.4
		Um	iP	04 40	03.5
			iLg2	04 45	36.6
		Ud	iP	04 39	14.1
			i	04 39	23.8
			i	04 42	14.9
			iLg2	04 43	19.7
		De	iP	04 38	20.7
			iLg2	04 41	20.5
		Austria (h = 30 km).			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	10	Up	iLg2	05 16 22.3	May	10	(cont.)
		Ud	eLg2	05 16 18			Um ipP 18 53 03.6
		De	iLg2	05 14 19.7			Ud iP 18 53 16.6 C
			Austria (h = N).				ipP 18 53 22.8
"	10	Up	iP	07 30 57.7			De i 18 53 18.8
							i 18 53 24.3
"	10	Ud	iP	08 19 43.7			iPP 18 55 23.0
							Nepal.
							h = 20 km (Up,Sk,Um,Ud).
"	10	Up	iP	11 25 33.6	"	10	Up iP 23 59 02.5
		Ud	iP	11 25 46.2			Sk eP 23 59 48
"	10	Up	iP2	12 06 25.2			Um iP 23 59 35.1 C
			micr sec				Ud iP 23 59 15.0
			P2 Z' 0.3 1.8				De iP 23 58 42.7
		Ki	iP2	12 07 33.6			Turkey (h = 40 km).
			micr sec				
			P2 Z' 0.1 1.4				
		Sk	eP2	12 07 10	"	11	Up iP1 02 45 19.9
		Um	iP1	12 06 53.9			iP2 02 45 25.1
			iP2	12 06 56.4			Ki iP1 02 45 01.6
			i	12 07 08.1			Sk iP1 02 45 23.5
		Ud	iP1	12 06 36.0			Um iP2 02 45 14.7
			iP2	12 06 38.7			Ud iP1 02 45 27.7
			i	12 06 42.9			iP2 02 45 33.5
			i	12 06 51.8			Mindanao (h = 110 km).
		De	iP1	12 06 02.0	"	11	Up iP 03 36 52.6
			iP2	12 06 05.8			Sk iP 03 37 38.0
			Turkey (h = 30 km).				Um iP 03 37 25.8
			m = 5.4 (Up,Ki).				Ud iP 03 37 05.3
							De iP 03 36 33.1
"	10	Ud	iP	15 06 38.8			Turkey (h = N).
"	10	Up	i(P)	15 11 00.2	"	11	De iLg2 05 37 26.1
							Austria (h = N).
"	10	Um	iP	15 26 12.2	"	11	Ud iP 07 21 22.3
		Ud	iP	15 25 54.0			
			Turkey (h = N).				
"	10	Up	iP	15 50 31.5	"	11	Up iPKP 10 17 32.2
"	10	Ud	iP	17 11 45.9			Ki i(PKP) 10 17 08.6
"	10	Ud	eP	18 46 49			iPKP 10 17 22.5
"	10	Up	iP	18 53 01.5 C			Sk il 10 17 42.4
			ipP	18 53 07.8			Ud iPP 10 19 00.5
			micr sec				De iPKP 10 17 40.5
			P2 Z' 0.1 1.0				il 10 17 49.5
		Ki	iP	18 53 03.7 C			Solomon Islands (h = N).
		Sk	iP	18 53 22.8	"	11	Up iRg 10 26 19.1
			ipP	18 53 29.6			Regional near-surface event.
		Um	iP	18 52 57.4 C	"	11	Up i 10 28 44.7
			(cont.)				iRg 10 28 46.6
							Regional near-surface event.

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 11

(cont.)

Ud iP1 17 04 48.5
 . iP2 17 04 51.6
 ipP2 17 04 56.8
 iS 17 09 00.3
 De iP1 17 04 11.9
 iP2 17 04 14.2
 iS 17 07 56.3

Ionian Sea.

h = 20 km (Up,Ki,Ud).

m = 6.6, M = 6.7 (Up,Ki).

" 11

Up iP 17 15 09.9
 ipP 17 15 16.9
 iS 17 19 13.8
 micr sec

P Z' 0.2 0.9
 pP Z' 0.4 0.8

Ki iP 17 16 23.3 C
 ipP 17 16 31.7
 micr sec

P Z' 0.2 1.2

Sk iP 17 15 49.0 C

Um iP 17 15 47.0

Ud iP 17 15 15.4

ipP 17 15 23.2

iS 17 19 26.7

De iP 17 14 38.4

Ionian Sea.

h = 30 km (Up,Ki,Ud).

m = 5.7 (Up,Ki).

" 11

Up i 21 17 17.1

Sk iP 21 17 44.8

i 21 17 53.7

Ud iP 21 17 10.8

i 21 17 18.3

De eP 21 16 35

Ionian Sea (h = N).

" 11

Up iP 22 47 17.8

iS 22 49 46.7

i 22 50 17.2

iLg2 22 51 38.5

micr sec

P Z' 0.1 1.3

Mx N 2.3 9

Mx Z 4.1 11

Ki iP 22 48 55.2

iLg1 22 55 10.4

micr sec

P Z' 0.5 1.7

Mx E 1.6 10

Mx N 2.0 9

Mx Z 1.4 9

(cont.)

1976

May 11

(cont.)

Sk iP 22 48 03.2

iLg2 22 53 33.9

i 23 00 27.1

Um iP 22 48 11.0

i 22 48 12.7

i 22 52 32.2

iLg2 22 53 47.0

Ud iP 22 47 18.6

i 22 47 57.1

i 22 50 04.7

i 23 01 13.6

De iP 22 46 27.3

iS 22 48 17.9

iLg2 22 49 33.5

Austria (h = 10 km).

m = 5.5 (Up,Ki).

" 11

Ud iPKP1 23 08 00.4

De iPKP1 23 08 10.9

" 12

Ud iP 04 59 44.9

" 12

Up iP 05 16 35.1

micr sec

P Z' 0.1 1.5

Ki iP 05 17 41.5

i 05 17 42.8

micr sec

P Z' 0.1 0.6

Um iP 05 17 06.5

i 05 17 10.5

Ud iP 05 16 45.8

i 05 17 50.0

De iP 05 16 12.9

Turkey (h = 20 km).

m = 5.4 (Up,Ki).

" 12

Um iP 07 01 17.8

" 12

Ud iP 07 51 38.1

De iP 07 51 35.5

Hindu Kush (h = 190 km).

" 12

Ud iP 08 59 05.2

" 12

Ud iP 10 03 27.9

Mexico (h = N).

" 12

De iPKP1 11 03 53.0

Tonga-Kermadec Islands

(h = 200 km).

" 12

Ud iP 12 08 22.8

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976									
May	12	Up	iPKP1	12 14	14.3	May	13	Up	iP	00 48	46.4		
		Ud	iPKP1	12 14	15.9				ipP	00 48	53.5		
"	12	Ud	iP	16 31	31.9			Sk	iP	00 49	29.7		
		Hindu Kush (h = 210 km).						Um	iP	00 49	27.4		
"	12	Up	iP	16 54	44.9				ipP	00 49	34.8		
			ipP	16 54	58.2			Ud	iP	00 48	53.1		
		Ki	iP	16 54	46.3			De	eP	00 48	16		
			ipP	16 55	00.5				i	00 48	25.3		
		Sk	iP	16 54	30.6			Greece-Albania. h = 30 km (Up,Um).					
			ipP	16 54	45.1	"	13	Up	iP	00 50	12.6		
		Um	iP	16 54	48.5			Ki	iP	00 49	42.6		
			ipP	16 55	02.5			Mariana Islands (h = 35 km).					
		Ud	iP	16 54	34.6	"	13	Um	iP	01 00	45.5		
			ipP	16 54	48.3	"	13	Up	ePKP1	03 27	22		
		De	iP	16 54	36.3			Ud	iPKP1	03 27	22.8		
			ipP	16 54	50.3			"	13	Up	iPKP1	05 51	20.9
		Colombia. h = 50 km (Up,Ki,Sk,Um,Ud,De).							ipPKP1	05 51	32.5		
"	12	Up	iP	16 56	06.2			Sk	iPKP1	05 51	13.9		
		Ud	iP	16 56	12.8				ipPKP1	05 51	25.3		
"	12	Ud	iP	18 10	15.4			Um	iPKP1	05 51	08.1		
"	12	Up	iP	18 51	22.0				ipPKP1	05 51	20.1		
		Um	iP	18 50	56.9			Ud	iPKP1	05 51	22.5		
"	12	Up	iP	20 01	48.9				ipPKP1	05 51	34.0		
		Sk	iP	20 01	22.4			De	iPKP1	05 51	31.5		
		Um	iP	20 01	34.3			"	13	Up	iP	07 19	16.5
		Ud	iP	20 01	40.5			Ki	iP	07 19	00.1		
		Nevada. Underground explosion.								micr	sec		
"	12	Ud	iP	21 45	42.0				P	Z'	0.1 1.0		
"	12	Up	iPKP	23 25	55.9			Um	iP	07 19	05.8		
			iPKP1	23 26	00.2			Ud	iP	07 19	24.3		
		Sk	iPKP	23 25	46.9			De	iP	07 19	29.7		
			iPKP1	23 25	51.0			Banda Sea (h = 55 km).					
		Ud	iPKP	23 25	58.3	"	13	Up	iP	07 22	20.9		
			iPKP1	23 26	03.3			Ki	iP	07 21	33.4		
		De	iPKP1	23 26	12.2			Sk	iP	07 21	52.0		
"	13	Ki	iSgl	00 14	27.0			Um	iP	07 20	59.1		
		Um	iSgl	00 16	15.3			Ud	iP	07 22	16.2		
		Finland-Sweden, 68.2°N, 23.3°E. Origin time = 00 13 53. M _L = 1.8 (Ki,Um). By combination with Finnish station readings.						De	iP	07 22	37.8		
								Queen Charlotte Islands (h = 25 km).					
"	13	Ki	iP	08 49	55.1			"	13	Ki	iP	08 49	55.1
		Um	iP	08 50	15.4			Um	iP	08 50	15.4		
"	13	Up	iPKP1	09 37	11.1			"	13	Up	iPKP1	09 37	11.1
		Sk	ePKP1	09 37	06			Sk	ePKP1	09 37	06		
		Um	iPKP1	09 36	59.8			Um	iPKP1	09 36	59.8		
								(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 13 (cont.)
 Ud iPKP1 09 37 11.9
 De iPKP1 09 37 23.9
 " 13 Ud iP 10 01 15.8
 " 13 Um iP 11 11 12.9
 ipP 11 11 25.4
 Ud iP 11 11 39.8
 Japan.
 h = 45 km (Um).
 " 13 Up iSg1 12 46 52.5
 i 12 46 53.9
 iRg 12 47 02.4
 Um iSg1 12 48 51.4
 Ud iSg1 12 47 38.9
 De iSg1 12 47 48.4
 Off coast of Östergötland,
 Sweden.
 Near-surface event.
 " 13 Up iLg2 13 12 24.1
 Ud i 13 11 46.0
 De iP 13 07 19.2
 iS 13 09 09.9
 iLg2 13 10 16.3
 Austria (h = N).
 " 13 Ud iP 13 23 26.7
 Turkey (h = 35 km).
 " 13 Up iP 14 35 24.7
 Ud iP 14 35 28.8
 " 13 Up iP 14 52 48.7
 Sk eP 14 53 27
 Ud iP 14 52 54.8
 i 14 53 01.8
 Ionian Sea (h = N).
 " 13 Up iP 17 54 31.0
 Ki iP 17 54 01.7
 Sk iP 17 54 28.5
 Um iP 17 54 13.9
 ipP 17 55 06.4
 Ud iP 17 54 37.2
 Volcano Islands.
 h = 220 km (Um).
 " 13 Up iP 20 40 18.3
 Sk iP 20 40 13.8
 Um iP 20 39 56.9
 Ud iP 20 40 25.7
 Japan (h = 60 km).

1976

May 13 Up iP 20 49 56.4
 Ki eP 20 51 13
 Sk iP 20 50 34.1
 Um iP 20 50 32.1
 Ud iP 20 50 02.0
 i 20 50 04.5
 De iP 20 49 27.8
 Greece (h = 50 km).
 " 13 Up iP 22 23 02.0
 Sk iP 22 23 41.2
 Um eP 22 23 40
 i 22 23 55.5
 Ud iP 22 23 09.1
 i 22 23 15.2
 De iP 22 22 31.9
 i 22 22 36.2
 Ionian Sea (h = 50 km).
 " 14 Ud iP 00 54 02.2
 " 14 Up iP 01 28 25.1
 Um iP 01 28 53.1
 Ud iP 01 28 35.3
 Turkey (h = 20 km).
 " 14 Up iP 06 36 22.1 D
 ipP 06 36 30.9
 iS 06 44 55
 micr sec
 P Z' 0.5 1.8
 pP Z' 0.3 1.5
 Mx E 1.8 19
 Mx N 1.4 20
 Mx Z 2.2 18
 Ki iP 06 36 47.4 D
 ipP 06 36 56.0
 micr sec
 P Z' 0.1 1.0
 pP Z' 0.2 1.3
 Mx E 2.6 20
 Mx N 1.8 20
 Mx Z 3.0 19
 Sk iP 06 36 17.5 D
 ipP 06 36 26.3
 Um iP 06 36 38.3 D
 ipP 06 36 47.2
 iS 06 45 43
 Ud iP 06 36 11.4 D
 ipP 06 36 20.1
 De iP 06 36 02.7 D
 ipP 06 36 11.2
 North Atlantic Ocean.
 h = 30 km (Up,Ki,Sk,Um,Ud,De).
 m = 6.1, M = 5.5 (Up,Ki).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 14 Up iPKP1 07 59 41.7 C
 i 07 59 44.0
 Sk iPKP1 07 59 33.7
 Ud iPKP1 07 59 43.2 C
 i 07 59 46.2
 De iPKP1 07 59 52.7 C
 Kermadec Islands (h = N).

" 14 Up iPKP1 10 22 42.9
 Sk iPKP1 10 22 38.1
 Um iPKP1 10 22 31.7
 i 10 22 35.7
 Ud iPKP1 10 22 44.9
 De ePKP1 10 22 54
 Kermadec Islands (h = 45 km).

" 14 Um iP 11 11 41.7
 Ud iP 11 11 23.1
 Turkey (h = 10 km).

" 14 Up iPKP1 11 55 42.1
 Sk iPKP1 11 55 34.5
 Ud iPKP1 11 55 43.4
 De iPKP1 11 55 52.8

" 14 Up eP 13 45 13
 Ki iP 13 45 02.0
 Sk iP 13 45 12.4
 Um iP 13 45 06.5
 Ud iP 13 45 15.5
 De iP 13 45 20.5
 New Britain (h = 15 km).

" 14 Up iPKP 14 16 45.8
 iPKP1 14 16 48.2
 ipPKP1 14 17 55.1
 micr sec
 PKP1 Z' 0.1 0.7
 pPKP1 Z' 0.1 1.0
 Ki iPKP1 14 16 26.6
 Sk iPKP1 14 16 40.9
 Um iPKP 14 16 35.3
 iPKP1 14 16 36.9
 Ud iPKP 14 16 46.5
 iPKP1 14 16 50.0
 ipPKP1 14 17 57.0
 De iPKP1 14 16 59.0
 iPKP2 14 17 06.5
 ipPKP1 14 18 05.9
 Kermadec Islands.
 h = 270 km (Up,Ud,De).

" 14 Ud iP 16 12 43.0
 Kurile Islands (h = 55 km).

1976

May 14 Up iPKP1 16 48 03.8
 Um iPKP1 16 47 51.8
 Ud iPKP1 16 48 05.3

" 14 Up iP 20 51 20.1 C
 ipP 20 51 29.7
 micr sec
 P Z' 0.1 1.0
 pP Z' 0.1 1.0
 Ki iP 20 50 37.1
 i 20 50 45.5
 i 20 50 51.1
 micr sec
 P Z' 0.1 1.1
 i Z' 0.1 1.4
 Sk iP 20 51 11.6
 ipP 20 51 21.2
 Um iP 20 50 56.1 C
 ipP 20 51 05.5
 Ud iP 20 51 26.8 C
 ipP 20 51 36.2
 De eP 20 51 43
 Japan.
 h = 35 km (Up,Ki,Um,Ud).
 m = 5.9 (Up,Ki).

" 14 Ud iP 22 03 58.5

" 15 Ud iP 02 53 00.6
 Dodecanese Islands (h = 45 km).

" 15 Up iP 03 08 47.5
 Sk iP 03 09 26.3
 Um iP 03 09 22.7
 Ud iP 03 08 54.4
 De iP 03 08 18.9
 Greece (h = 50 km).

" 15 Up iLg2 04 33 41.3
 Um iP 04 30 33.0
 Ud i 04 32 42.7
 iLg2 04 33 39.4
 De i 04 30 51.3
 i 04 31 15.6
 iLg2 04 31 51.0
 Austria (h = N).

" 15 Ud iP 04 42 34.9

" 15 Up iPKP2 05 20 31.2
 Ki iPKP1 05 19 59.8
 Sk iPKP1 05 20 13.9
 Um iPKP1 05 20 08.2
 iPKP2 05 20 13.8
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 15 (cont.)
Ud iPKP1 05 20 21.1
North Island, New Zealand
(h = 140 km).

" 15 Up iP 08 19 29.2
ipP 08 19 32.9
iS 08 27 15.6
micr sec
pP Z' 0.1 0.8
Mx E 0.7 13
Mx N 1.0 14
Mx Z 0.7 14
Ki iP 08 20 24.5
ipP 08 20 28.1
micr sec
P Z' 0.3 1.8
Mx E 1.2 14
Mx N 1.0 16
Sk iP 08 19 57.3
ipP 08 20 01.1
Um iP 08 19 57.5 C
ipP 08 20 01.1
Ud iP 08 19 31.7 C
ipP 08 19 35.3
iS 08 27 13.1
De iP 08 19 05.8
ipP 08 19 09.9
Zaire.
h = 10 km (Up,Ki,Sk,Um,Ud,De).
m = 6.1, M = 5.2 (Up,Ki).

" 15 Up iP 08 22 51.5
Ki iP 08 22 47.4
Sk iP 08 23 07.9
Um iP 08 22 45.9
Ud iP 08 23 04.4
De iP 08 23 04.7
Burma (h = 35 km).

" 15 Ud iP 09 52 39.9

" 15 Um iP 11 11 24.6
Ud iP 11 11 04.5
Turkey (h = N).

" 15 Ud iP 15 51 04.7

" 15 Um iP 18 45 44.2
Turkey (h = N).

" 15 Ud iP 19 17 28.6
Ionian Sea.

" 15 Up iP 19 40 40.2
Ud iP 19 40 48.5

1976

May 15 Up iP(KP) 20 05 33.2
Ki iPKP 20 05 30.7
Um iPKP 20 05 37.7
Ud iP(KP) 20 05 37.4
iPKP 20 05 48.3
De iP(KP) 20 05 46.7
iPKP1 20 05 49.7
Fiji Islands (h = 530 km).

" 15 Up eP 22 09 50
i(PP) 22 12 49.3
iPP 22 13 50.0
iSKS 22 20 21
iS 22 21 23

micr sec
Mx E 7.7 20
Mx N 4.7 19
Mx Z 18 19
Ki iP 22 09 57.4
iSKS 22 20 33.4
iS 22 21 36.8

micr sec
P Z' 0.1 1.3
Mx E 10 20
Mx N 12 20

Sk iP 22 09 39.4

iPP 22 13 40.0

Um iP 22 09 58.4

i 22 10 02.4

i(PP) 22 13 18.4

iPP 22 14 07.5

iS 22 21 35

Ud iP 22 09 40.0

i 22 09 44.3

i(PP) 22 13 20.9

De iP 22 09 37.5

i 22 09 41.6

Peru (h = N).

M = 6.6 (Up,Ki).

" 16 Ud iP 08 07 54.1

" 16 Up iP 08 46 02.0 C
ipP 08 46 17.6
micr sec

P Z' 0.2 1.5

pP Z' 0.1 0.8

Ki iP 08 45 18.5

ipP 08 45 34.0

micr sec

P Z' 0.1 1.2

pP Z' 0.1 1.0

Sk iP 08 46 32.9

ipP 08 46 48.7

Um iP 08 46 42.7

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May 16 (cont.)				May 17 (cont.)					
	Um	ipP	08 46 58.0		Um	iP2	03 05 29.2		
	Ud	iP	08 45 54.7			iS	03 10 51		
		ipP	08 46 10.6		Ud	iP1	03 05 45.3 C		
	De	iP	08 46 14.2			iP2	03 05 46.2		
		ipP	08 46 30.1		De	iP2	03 05 39.7		
	Vancouver Island.				Uzbek SSR (h = 10 km).				
	h = 60 km (Up,Ki,Sk,Um,Ud,De).				m = 6.9, M = 7.2 (Up,Ki).				
	m = 5.8 (Up,Ki).				Double P at Up, Ki, Um and Ud, in average 0.8 sec apart.				
"	16	Ud	iP	12 17 28.6	"	17	Up	iP	04 03 58.7
"	16	Ud	iP	14 07 17.0			Ki	iP	04 04 13.9
		Hindu Kush.					Ud	iP	04 04 17.1
"	16	Ud	iP	15 48 46.5			Uzbek SSR.		
"	16	Up	iPKP1	17 12 17.4	"	17	Up	iP	04 20 58.0
			iPKP2	17 12 23.0				i	04 21 03.5
	Sk	iPKP1	17 12 09.1			Ki	iP	04 21 12.0	
	Um	iPKP1	17 12 05.0				i	04 21 19.1	
	Ud	iPKP1	17 12 18.0			Sk	e	04 21 31	
		iPKP2	17 12 25.0			Um	iP	04 20 57.9	
	De	iPKP2	17 12 34.8			Ud	iP	04 21 14.6	
"	16	Ud	iP	17 35 06.3			De	iP	04 21 09.3
							i	04 21 16.6	
"	16	Up	ePKP	22 30 28			Uzbek SSR (h = N).		
			micr sec		"	17	Up	iP	05 00 36.7
		PKP	Z' 0.1 1.7				i	05 01 21.8	
	Um	iPKP	22 30 27.7			Ki	iP	05 00 51.5	
		iPKP2	22 31 18.1			Sk	iP	05 01 05.9	
	Ud	iPKP	22 30 25.8				iPn	05 02 18.2	
		iPKP2	22 31 09.1			Um	iP	05 00 37.5	
	De	iPKP	22 30 26.1				iPn	05 01 37.8	
		iPKP2	22 31 10.9			Ud	iP	05 00 54.3	
	South Pacific Ocean (h = N).					De	iP	05 00 49.2	
							iPP	05 02 05.7	
"	17	Up	iP1	03 05 27.5 C			Uzbek SSR (h = N).		
			iP2	03 05 28.3	"	17	Ki	iP	06 00 18.8
			iS	03 10 53			Ud	iP	06 00 21.2
			micr sec				Uzbek SSR.		
		P2	Z' 1.4 0.8		"	17	Up	iPKP1	11 01 29.5
	Mx	E	235 13				Sk	iPKP1	11 01 26.4
	Mx	N	121 10				Ud	iPKP1	11 01 30.1
	Mx	Z	261 12				De	iPKP2	11 01 54.4
	Ki	iP1	03 05 42.4 C		"	17	Ki	iP	11 08 24.6
		iP2	03 05 42.9				Ud	iP	11 08 30.5
		iS	03 11 26				De	iP	11 08 22.4
		micr sec					Uzbek SSR (h = N).		
		P2	Z' 1.0 0.7		"	17	Up	i(P)	14 51 59.7
	Mx	E	181 12						
	Mx	N	191 13						
	Sk	iP2	03 05 57.4						
	Um	iP1	03 05 28.2 C						
	(cont.)								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	17	Up	i	15 44 10.0	May	17	(cont.)
			i	15 44 19.7			Ud iP 22 28 36.1
		Um	iP	15 44 31.5			De iP 22 28 57.9
		Ud	iP	15 44 16.1			Kamchatka (h = 35 km).
		De	iP	15 43 42.0		"	17 Up iP 23 10 47.9
		Turkey (h = N).				"	17 Ki iP 23 19 30.2
"	17	Up	iP	16 16 35.9		"	17 Sk iP 23 19 50.6
			i	16 16 42.3			Um iP 23 19 38.7
			iS	16 19 02.8		"	18 Ki eP 00 09 26
			iLg2	16 20 51.0			Um iP 00 09 34.0
				micr sec		"	18 Up iP 01 33 26.0
		P	Z'	0.1 1.3			i 01 36 11.4
		Ki	eP	16 18 10			iLg2 01 37 46.1
			iLg1	16 24 45.0			Ki iP 01 35 03.2
				micr sec			Sk eP 01 34 08
		P	Z'	0.1 1.4			Um iP 01 34 17.8
		Sk	eP	16 17 19			iLg1 01 39 35.9
			iLg2	16 22 37.2			Ud iP 01 33 25.7
		Um	iP	16 17 28.8			De iP 01 32 36.2
			iLg1	16 22 44.0			iS 01 34 27.6
		Ud	iP	16 16 36.6			iLg2 01 35 36.7
			i	16 19 59.4			Austria (h = N).
			iLg2	16 20 44.3		"	18 Um iP 01 38 18.9
		De	iP	16 15 42.7		"	18 Up ePKP1 02 07 40
			iS	16 17 34.6			Sk iPKP1 02 07 37.0
		Austria (h = 35 km).					Ud iPKP1 02 07 41.5
		m = 5.2 (Up,Ki).					De ePKP1 02 07 53
"	17	Um	iP	16 47 53.3		"	18 Ki iP 03 26 04.3
"	17	Up	iP1	17 53 02.3			i 03 26 14.9
			iP2	17 53 06.9			Sk iP 03 26 29.0
		Ki	iP2	17 53 21.5			Um iP 03 26 49.4
		Sk	iP2	17 53 36.0			Ud iP 03 27 17.3
		Um	iP2	17 53 07.7			i 03 27 28.6
		Ud	iP2	17 53 23.2			De iP 03 28 02.8
		De	iP2	17 53 18.9		"	18 Um iP 03 51 14.4
		Uzbek SSR (h = 30 km).				"	18 Up iP 04 23 11.0
"	17	Up	iP	21 59 02.3			i 04 23 13.8
"	17	Up	iPKP2	22 15 27.8			iPP 04 24 29.0
		Ki	iPKP1	22 14 57.6			Ki iP 04 23 26.2
		Sk	ePKP1	22 15 11			iPn 04 24 33.0
		Um	iPKP1	22 15 07.5			Sk iP 04 23 39.9
		North Islands, New Zealand (h = 55 km).					iPn 04 25 00.9
"	17	Up	iP	22 28 33.3			Um iP 04 23 11.4
				micr sec			iPn 04 24 18.6
		P	Z'	0.1 1.2			Ud iP 04 23 28.9
		Ki	iP	22 27 37.9			i 04 23 35.7
		Sk	iP	22 28 15.2			(cont.)
		Um	iP	22 28 03.5			
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 18 (cont.)
 Ud iPn 04 24 41.7
 iPP 04 25 00.1
 iSn 04 31 38.8
 De iP 04 23 24.0
 Uzbek SSR (h = N).

" 18 Sk e1 05 14 19
 Um iPKP 05 14 04.9
 il 05 14 14.2
 De iPKP 05 14 22.4
 New Hebrides Islands
 (h = 50 km).

" 18 De iPKP1 05 21 00.2
 Fiji Islands (h = 500 km).

" 18 Up iP 06 24 30.5
 Ki iP 06 24 10.3
 Sk eP 06 24 44

" 18 Up micr sec
 Mx E 2.1 22
 Mx N 1.1 21
 Mx Z 2.3 21
 Ki iPKP1 06 24 57.0
 iPKP2 06 25 13.2
 PKP2 Z' 0.1 1.3
 Mx E 2.0 19
 Mx N 2.3 19
 Mx Z 1.1 18
 Ud i 06 25 38.7
 De iPKP2 06 25 17.5
 West of Macquarie Island
 (h = N).
 M = 6.1 (Up,Ki).

" 18 Ki iPKP1 06 58 37.1
 Sk iPKP1 06 58 54.2
 Um iPKP 06 58 43.2
 iPKP1 06 58 49.0
 North Island, New Zealand
 (h = N).

" 18 Up iP 08 34 24.6
 Sk iP 08 34 18.4
 Ud iP 08 34 30.4
 De iP 08 34 32.1

" 18 Up iP 08 35 41.4
 il 08 35 52.4
 Ki iP 08 36 49.3
 il 08 37 00.1
 (cont.)

1976

May 18 (cont.)
 Ki micr sec
 P Z' 0.1 0.4
 Sk iP 08 36 20.2
 il 08 36 30.7
 Um iP 08 36 14.4
 il 08 36 24.8
 Ud iP 08 35 49.6
 i2 08 36 12.9
 De iP 08 35 16.2
 i2 08 35 37.6
 Crete (h = 70 km).
 il interpreted as pP yields
 a focal depth of 40 km (Up,
 Ki,Sk,Um), while i2 interpreted
 as pP yields a focal depth of
 110 km (Ud,De).

" 18 Up iP1 09 04 14.4
 iP2 09 04 17.1
 iPP 09 05 33.4
 micr sec
 PP Z' 0.1 1.0
 Ki iP1 09 04 29.4
 iP2 09 04 32.3
 iPn 09 05 37.4
 micr sec
 Pn Z' 0.1 1.0
 Sk iP1 09 04 43.6
 iP2 09 04 46.6
 iPn 09 05 56.3
 Um iP1 09 04 15.1
 iP2 09 04 18.1
 Ud iP1 09 04 31.9
 iP2 09 04 35.1
 iPn 09 05 39.2
 De iP1 09 04 27.1
 iP2 09 04 29.7
 iPP 09 05 45.5
 Uzbek SSR (h = N).
 Double P, in average 2.8
 sec apart.

" 18 Up iPKP1 10 29 53.6
 Ud iPKP1 10 29 55.2
 De iPKP1 10 30 05.2

" 18 Up iPKP1 13 14 00.2
 Ki iPKP1 13 13 33.2
 Sk iPKP1 13 13 51.3
 Um iPKP1 13 13 44.9
 Ud iPKP1 13 13 58.7
 De iPKP1 13 14 06.6

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
May	18	Up	iP	14 01 08.4	May	18	(cont.)	
			iPn	14 02 11.3			Ud eP 16 20 49	
		Ki	iP	14 01 23.0			i 16 21 08.4	
			i	14 02 25.4			De i 16 20 18.9	
			iPn	14 02 37.2			Ionian Sea (h = N).	
		Sk	iP	14 01 37.5	"	18	Up iSg1 16 37 33.1	
			iPn	14 02 57.8			Ud iSg1 16 36 35.7	
		Um	iP	14 01 09.0			Southwest Norway,	
		Ud	iP	14 01 26.0			60.0°N, 16.0°E.	
			iPn	14 02 38.8			Origin time = 16 34 35.	
		De	iP	14 01 20.8			M _L = 2.1 (Ud).	
		Uzbek SSR (h = N).					By combination with Kongsberg readings.	
"	18	Up	iP	14 41 38.3	"	18	Up iSg1 16 39 20.8	
		Ki	iP	14 41 06.7			Sk iSg1 16 38 49.3	
		Sk	iP	14 41 37.5			Ud iSg1 16 38 22.0	
		Um	iP	14 41 18.6			Southwest Norway,	
		Ud	iP	14 41 47.5			60.0°N, 16.0°E.	
		De	iP	14 41 59.6			Origin time = 16 36 22.	
		Japan (h = 35 km).					M _L = 2.2 (Ud).	
"	18	Ud	iSg1	15 11 08.0			By combination with Kongsberg readings.	
		Southwest Norway,						
		60.0°N, 16.0°E.						
		Origin time = 15 09 08.						
		M _L = 2.1 (Ud).						
		By combination with Bergen and Kongsberg readings.		"	18	De	iP 17 12 20.4	
"	18	Ud	iSg1	15 51 02.2	"	18	Up	iP 17 26 03.0
		Southwest Norway,					Ud	iP 17 26 08.0
		60.0°N, 16.0°E.						
		Origin time = 15 49 02.		"	18	Up	iP 17 32 16.1	
		M _L = 2.4 (Ud).					i 17 32 17.8	
		By combination with Bergen and Kongsberg readings.					iS 17 41 30.6	
"	18	Up	iP	16 03 37.5				micr sec
		Ud	iP	16 03 47.0			P	Z' 0.1 0.9
							i	Z' 0.1 0.7
						Ki	iP 17 31 43.5	
							i 17 31 44.8	
						Sk	eP 17 32 13	
						Ud	iP 17 31 57.1	
							i 17 31 58.8	
							i 17 32 18.1	
						Ud	iP 17 32 23.4	
							i 17 32 24.9	
							iS 17 41 45.7	
						De	iP 17 32 36.1	
							i 17 32 37.7	
							iS 17 42 10.7	
						Japan (h = 450 km).		
						Double P at Up, Ki, Um, Ud and De, in average 1.5 sec apart.		
"	18	Up	iP	16 20 40.8	"	18	Up	iPKP1 17 52 07.9
		(cont.)				(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	18	(cont.)		May	19		
		Sk	iPKP1 17 52 04.0		Up	iP	02 39 34.0
		Um	iPKP1 17 51 56.4			ipP	02 39 52.0
			i 17 52 13.9		Ki	iP	02 39 17.5
		Ud	iPKP 17 52 03.7			ipP	02 39 33.3
			iPKP1 17 52 09.5			P	Z' 0.1 0.9
		De	iPKP2 17 52 29.5		Sk	ipP	02 39 56.5
					Um	iP	02 39 22.4
"	18	Ud	iP 18 07 58.3			ipP	02 39 40.2
"	18	Up	iSgl 18 40 28.9		Ud	iP	02 39 42.3
		Sk	iSgl 18 39 57.6			ipP	02 40 00.4
		Ud	iSgl 18 39 32.0		De	ipP	02 40 05.6
		Southwest Norway, 60.0°N, 6.0°E. Origin time = 18 37 31. M _L = 2.2 (Ud).				Mindanao. h = 60 km (Up,Ki,Um,Ud).	
		By combination with Bergen and Kongsberg readings.		"	19	Up	iP 03 03 52.4
						Ki	iP 03 03 37.2
							micr sec
						P	Z' 0.1 0.5
					Sk	iP	03 04 07.1
					Um	iP	03 03 37.6
"	18	Up	iPKP1 20 36 45.9		Ud	iP	03 04 09.1
		Ki	ePKP 20 36 18		De	iP	03 04 16.8
		Um	iPKP1 20 36 29.8			Kazakh SSR. Underground explosion.	
			i 20 36 55.0		"	19	Up
		Ud	iPKP1 20 36 46.4				iP 04 19 47.9 D
		De	iPKP1 20 36 52.1				i 04 19 49.3
			iPKP2 20 37 02.1				iX 04 20 37.6
							iS 04 30 17.7
"	18	Um	iP 21 15 32.3				micr sec
"	18	Um	iP 21 16 26.0			P	Z' 0.4 1.2
		Ud	iP 21 16 00.2			Mx	E 1.2 20
			i 21 16 23.1			Mx	N 1.0 19
						Mx	Z 1.4 20
"	18	Up	iP 21 21 09.5		Ki	iP	04 19 49.9 D
			i 21 21 14.2			i	04 19 51.1
		Ki	iP 21 20 51.3			ipP	04 20 30.7
		Sk	eP 21 21 15			iS	04 30 20
		Um	iP 21 20 56.9				micr sec
			i 21 21 02.3			P	Z' 0.6 1.5
		Ud	iP 21 21 18.6			Mx	E 1.2 21
		De	iP 21 21 24.0			Mx	N 0.9 18
		Luzon (h = N).				Mx	Z 1.4 20
"	18	Up	iP 23 15 01.3		Sk	iP	04 19 35.3 D
		Ud	iP 23 15 07.2			i	04 19 36.7
			i 23 15 17.6			ipP	04 20 15.7
		Ionian Sea.				iX	04 20 27.0
"	19	Up	iP 01 18 06.0		Um	iP	04 19 51.6 D
		Ki	iP 01 18 20.1			i	04 19 52.9
		Sk	eP 01 18 36			ipP	04 20 32.5
		Um	iP 01 18 06.4			iS	04 30 21
		Ud	iP 01 18 23.2		Ud	iP	04 19 38.3 D
		De	iP 01 18 18.2			i	04 19 39.6
		Uzbek SSR (h = N).				iX	04 20 29.9
						(cont.)	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 19 (cont.)
 De iP 04 19 40.1 D
 i 04 19 41.6
 ipP 04 20 22.5
 iS 04 30 02.6
 Colombia.
 h = 170 km (Ki,Sk,Um,De).
 m = 6.3, M = 5.4 (Up,Ki).
 M not corrected for focal
 depth.
 Double P, in average 1.4 sec
 apart.
 The X-denoted phases arrive
 in average 51 sec after P1.

" 19 Um iP 07 27 22.1

" 19 Up iP 08 08 01.1
 Ud iP 08 08 03.7
 De iP 08 08 13.0

" 19 Up iP 10 17 28.9
 Ki eP 10 16 50
 De iP 10 17 56.1
 Lake Baikal (h = 25 km).

" 19 Ki iP 11 09 39.2
 i 11 11 40.3
 Sk iP 11 09 44.2
 iS 11 11 34.8
 Um eS 11 12 28
 Ud iP 11 10 30.0
 Jan Mayen, near 71 1/2°N, 6°W.
 Origin time = 11 07 22.

" 19 Up iP 15 47 21.5
 Ki iP 15 47 23.4
 Ud iP 15 47 29.2
 Balleny Islands (h = N).

" 19 Up iP 16 01 30.6
 ipP 16 01 35.6
 iPn 16 02 35.1
 iPP 16 02 46.7
 iSn 16 08 34.7
 Ki iP 16 01 45.6
 ipP 16 01 50.3
 i 16 02 47.8
 iPn 16 02 57.9
 micr sec
 Pn Z' 0.1 1.0
 Sk iP 16 01 59.5
 ipP 16 02 04.4
 iPn 16 03 17.3
 (cont.)

1976

May 19 (cont.)
 Ud iP 16 01 48.2
 ipP 16 01 52.9
 iPn 16 03 02.0
 iSn 16 09 39.7
 De iP 16 01 42.9
 ipP 16 01 47.5
 Uzbek SSR.
 h = 15 km (Up,Ki,Sk,Ud,De).

" 19 Up iP 16 28 29.8
 Ki iP 16 28 43.9
 Ud iP 16 28 47.3
 i 16 28 50.6
 De iP 16 28 42.1
 Uzbek SSR (h = N).

" 19 Up iSgl 16 47 08.2
 Ud iPgl 16 46 25.0
 iSgl 16 46 48.7
 iRg 16 46 59.0
 De iPgl 16 46 29.4
 iSgl 16 46 57.6
 Central Sweden.
 Origin time = 16 45 52.
 Near-surface event.
 Data not consistent.

" 19 Ud iP 16 49 06.5
 Greece (h = N).

" 19 Up iP 17 56 16.7
 ipP 17 56 29.4
 Ki iP 17 56 08.0
 micr sec
 P Z' 0.1 1.4
 Sk iP 17 55 57.8
 ipP 17 56 11.5
 Ud iP 17 56 06.3
 ipP 17 56 20.6
 De iP 17 56 11.7
 i 17 56 20.2
 Caribbean Sea.
 h = 50 km (Up,Sk,Ud).

" 19 Up iP 19 25 12.3
 iSKP1 19 27 35.1
 Ki iP 19 24 58.2
 iSKP 19 27 15.2
 Sk iP 19 25 09.0
 Ud iP 19 25 14.5
 iSKP1 19 27 38.5
 De iP 19 25 20.1
 iSKP1 19 27 49.2
 Santa Cruz Islands (h = 650 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976						
May	19	Ki	iPKP	19 28 11.3	May	20	Up	iPKP1	02 45 04.3	
		Sk	iPKP	19 28 22.2			Ud	iPKP1	02 45 06.9	
		Ud	iPKP	19 28 28.4			De	iPKP1	02 45 17.4	
		De	iPKP	19 28 34.3						
		Santa Cruz Islands (h = 640 km).			"	20	Up	iP	03 04 00.5	
							Ud	iP	03 04 18.0	
"	19	Up	iP	19 28 44.4			De	eP	03 04 12	
		Ud	iP	19 28 48.4						
"	19	Up	iPKP1	19 30 21.8		20	Up	iPKP	05 18 31.2	
			i	19 30 39.2				i	05 21 06.5	
				micr sec				iSKP1	05 21 38.8	
									micr sec	
			PKP1	Z' 0.1 1.0				SKP1	Z' 0.2 2.0	
			i	Z' 0.1 0.8			Ki	iPKP	05 18 17.1	
			Mx	E 1.0 18			Sk	iSKP1	05 21 29.4	
			Mx	N 1.5 21			Ud	i(PKP)	05 18 25.5	
			Mx	Z 3.8 20				iPKP	05 18 32.0	
		Ki	ePKP1	19 30 03				iSKP1	05 21 39.6	
			i	19 30 14.3			De	i(PKP)	05 18 30.1	
			i	19 30 25.2				iPKP	05 18 39.2	
				micr sec				iSKP1	05 21 48.6	
			Mx	E 1.5 20			Tonga Islands (h = 290 km).			
			Mx	N 3.2 20		"	20	Ud	iP	06 50 47.6
			Mx	Z 3.4 19		"	20	Ud	iP	11 36 04.8
		Sk	iPKP1	19 30 14.6		"	20	Afghanistan-USSR (h = N).		
			i	19 30 30.1		"	20	Up	iP	11 44 07.4
		Ud	iPKP	19 30 18.4		"	20	Up	iSg1	12 51 23.2
			iPKP1	19 30 23.5				Ki	iPg1	12 47 02.7
			i	19 30 36.2					iSg1	12 47 36.5
			i	19 30 44.1				Sk	i	12 49 18.2
			i	19 30 50.2					iSg1	12 49 31.5
		De	iPKP1	19 30 31.8				Um	iSn	12 48 54.2
			iPKP2	19 30 45.5					iSg1	12 49 26.8
			i	19 30 49.4				Ud	iSg1	12 51 22.8
		Kermadec Islands (h = 70 km).						De	iLg1	12 53 13.8
		M = 6.0 (Up,Ki).					Off coast of north Norway, 69.8°N, 15.8°E.			
		M not corrected for focal depth.					Origin time = 12 46 15. M _L = 3.1 (Up,Ki,Sk,Um,Ud).			
"	19	Up	iPKP1	19 32 38.7		"	20	Up	iP	17 11 51.9
		Sk	iPKP1	19 32 31.8				Ki	iP	17 11 22.3
		Ud	iPKP1	19 32 40.1				Ud	iP	17 12 00.8
			i	19 32 54.0						
		De	iPKP1	19 32 48.6						
		Kermadec Islands.								
"	19	Ud	iP	20 31 47.8		"	20	Up	iRg	18 02 54.4
"	19	Ud	iP	21 08 44.7		"	20	Ud	iRg	18 03 09.1
"	19	Ud	iPKP1	22 50 05.5				East-central Sweden. Near-surface event.		
		De	iPKP1	22 50 15.6						
		Fiji Islands (h = 560 km).								
"	20	Ud	iP	01 09 36.1		"	20	Ki	iP	19 52 48.1
								Ud	iP	19 53 43.3

Up = Uppsala, Ki = Kiruna, Sk = Skellefteå, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 20 Up iPKP1 20 46 47.8
 Ki ePKP1 20 46 27
 Sk iPKP1 20 46 42.8
 Um iPKP1 20 46 37.4
 Ud iPKP1 20 46 49.7
 South of Kermadec Islands
 (h = 80 km).

" 20 Up iPKP1 22 21 09.7
 Sk iPKP1 22 21 03.1
 Um iPKP1 22 20 57.9
 Ud iPKP1 22 21 11.9
 De iPKP1 22 21 20.2

" 20 Ud i 22 27 11.6
 iSKP1 22 29 19.6
 Santa Cruz Islands
 (h = 660 km).

" 21 Up iP 01 41 48.1 C
 ipP 01 41 24.9
 micr sec
 P Z' 0.1 1.0
 Ki iP 01 41 30.6 C
 ipP 01 42 08.3
 Sk iP 01 41 53.6
 Um iP 01 41 36.2
 Ud iP 01 41 56.8 C
 i 01 42 21.0
 ipP 01 42 34.7

Luzon.
 h = 150 km (Up,Ki,Ud).

" 21 Up iP 01 59 26.6
 i 01 59 38.0
 Ki eP 01 58 56
 Sk eP 01 59 22
 i 01 59 27.7
 Um iP 01 59 06.9
 i 01 59 12.9
 Ud iP 01 59 21.8
 De iP 01 59 42.3

" 21 Ud iP 02 54 38.2
 Gulf of California (h = N).

" 21 Up iP 03 11 00.3
 Sk iP 03 10 53.9
 Um iP 03 10 36.9
 i 03 10 44.1
 Ud iP 03 11 00.5

" 21 Up iP 04 24 19.2
 iP 04 24 22.3
 (cont.)

1976

May 21 (cont.)
 Up ~~i~~ 04 24 33.2
 ipP 04 25 02.9
 iSKS 04 34 35.7
 iS 04 35 12
 micr sec

P Z' 0.2 1.1
 Mx E 1.0 17
 Mx N 3.6 20
 Mx Z 2.2 20

Ki iP 04 24 03.7
 iP 04 24 06.9
 ipP 04 24 48.3
 iPP 04 27 50.6
 iSKS 04 34 17
 iS 04 34 43
 micr sec

P Z' 0.1 1.0
 P Z' 0.3 1.0
 PP Z' 0.6 2.5
 Mx E 4.1 21
 Mx N 5.9 21

Sk iP1 04 24 24.2
 iP2 04 24 28.1
 i 04 24 37.7
 ipP 04 25 09.1

Um iP1 04 24 08.4
 iP2 04 24 12.0
 ipP 04 24 52.9
 iSKS 04 34 24

iS 04 34 53
 Ud iP1 04 24 27.3
 iP2 04 24 30.9
 i 04 24 39.9

ipP 04 25 12.4
 De iP1 04 24 32.8
 iP2 04 24 35.8
 i 04 24 42.1
 iPP 04 28 39.9

Talau Islands.
 h = 180 km (Up,Ki,Sk,Um,Ud).
 m = 6.3, M = 6.0 (Up,Ki).
 M not corrected for focal depth.

" 21 Ud iP 05 43 14.5
 Northwest Territories, Canada
 (h = N).

" 21 Ud iP 06 37 46.9
 Aleutian Islands (h = 30 km).

" 21 Up i(PKP) 07 00 33.3
 Ki ePP 07 01 05
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 21 (cont.)
 Ki micr sec
 PP Z' 0.3 2.5
 Sk iPP 07 01 43.3
 Um i(PKP) 07 00 32.3
 iPKP 07 00 44.7
 Ud ePP 07 01 53
 De iPKP 07 00 56.4
 New Guinea (h = 130 km).
 " 21 Up iP 09 41 54.6
 micr sec
 P Z' 0.1 1.2
 Ki eP 09 43 02
 Sk iP 09 42 36.4
 Um iP 09 42 26.2
 Ud iP 09 42 06.4
 iPP 09 42 36.5
 De iP 09 41 33.0
 i 09 41 42.8
 Turkey (h = 30 km).
 " 21 Up iP 11 26 23.7
 Ki iP 11 25 29.9
 Um iP 11 25 55.9
 Ud iP 11 26 21.7
 ipP 11 26 35.3
 De iP 11 26 44.7
 Aleutian Islands.
 h = 50 km (Ud).
 " 21 Ud i(P) 12 04 33.6
 " 21 Ki iP 14 45 32.7
 Sk iP 14 45 47.2
 Ud iP 14 45 42.2
 De iP 14 45 38.4
 " 21 Up iP 15 16 16.0
 iS 15 26 09
 micr sec
 Mx E 0.9 16
 Mx N 0.8 15
 Mx Z 0.9 16
 Ki iP 15 15 39.5
 micr sec
 P Z' 0.1 1.0
 Mx E 1.2 14
 Mx N 0.8 14
 Mx Z 1.0 14
 Sk eP 15 16 12
 Um iP 15 15 55.2
 iS 15 25 31
 Ud iP 15 16 21.9
 (cont.)

1976

May 21 (cont.)
 De iP 15 16 36.9
 Japan (h = N).
 M = 5.4 (Up,Ki).
 " 21 Ud iP 16 12 31.0
 De iP 16 12 25.9
 Uzbek SSR (h = N).
 " 21 Up iSgl 16 21 26.7
 Ud i 16 20 20.7
 iSgl 16 20 28.5
 Southern Norway.
 By combination with Bergen
 reading.
 " 21 Up iP 16 37 59.7
 Ki iP 16 37 23.7
 Um iP 16 37 39.5
 Ud iP 16 38 06.6
 i 16 38 13.9
 Japan (h = N).
 " 21 Um iP 16 47 40.1
 " 21 Um iP 17 18 12.7
 " 21 Up iP 17 41 55.8
 Ki iP 17 41 02.0
 Um iP 17 41 28.4
 Ud iP 17 41 56.7
 " 21 Ud iPKP1 17 59 40.5
 Tonga-Kermadec Islands
 (h = 610 km).
 " 21 Ud eP 18 10 21
 " 21 Ud i(P) 19 22 05.6
 " 21 Ud iPKP1 19 28 43.0
 De iPKP1 19 28 54.4
 Fiji Islands (h = 630 km).
 " 21 Ud iP 19 54 47.7
 " 21 Ud iP 19 58 40.6
 " 21 Ki iP 23 35 52.5
 Um i 23 36 08.2
 Ud iP 23 36 28.1
 " 22 Up eP 03 08 05
 i 03 08 43.8
 Ki iP 03 07 46.3
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May	22	(cont.)			
		Ki		micr	sec
			P	Z'	0.1 0.9
		Sk	iP		03 08 07.6
		Um	iP		03 07 51.9
		Ud	iP		03 08 11.1
			i		03 08 30.2
		Mindanao (h = 110 km).			
"	22	Ki	e(PKP)		03 18 30
			iPKP		03 18 41.5
		Sk	iPKP		03 18 50.8
		Um	iPKP		03 18 45.8
		Ud	iPKP		03 18 54.2
		De	iPKP		03 19 00.7
		Solomon Islands (h = 120 km).			
"	22	Um	iP		06 42 28.4
			i		06 42 41.9
"	22	Up	iPKP2		07 40 16.5
		Ud	iPKP2		07 40 19.7
		De	iPKP2		07 40 32.8
"	22	Ki	eP		08 13 12
		Talaud Islands (h = 120 km).			
"	22	Ki	iPKP		10 09 32.2
		Um	iPKP		10 09 39.0
		De	iPKP1		10 09 46.7
			iPKP		10 09 49.5
		Loyalty Islands (h = 140 km).			
"	22	Up	iPKP2		10 10 36.7
		Um	iPKP1		10 10 20.0
			ipPKP1		10 10 32.2
		Ud	iPKP1		10 10 32.9
			i		10 10 48.9
		Kermadec Islands. h = 45 km (Um).			
"	22	Up	iPKP1		10 17 33.5
			iPKP2		10 17 38.3
			ipPKP2		10 17 45.5
		Sk	iPKP1		10 17 26.0
			ipPKP1		10 17 34.4
		Um	iPKP1		10 17 21.0
			ipPKP1		10 17 29.1
			i		10 22 07.4
		Ud	iPKP1		10 17 34.4
			i		10 17 47.8
		De	iPKP1		10 17 40.4
		Kermadec Islands. h = 25 km (Up,Sk,Um).			

1976

May	22	Up			
			iPKP1		10 18 34.6
			iPKP2		10 18 38.4
			ipPKP1		10 18 43.6
			ipPKP2		10 18 47.9
				micr	sec
			pPKP2	Z'	0.1 0.8
		Ki	ePKP1		10 18 16
			i		10 18 27.7
		Sk	iPKP1		10 18 26.2
			ipPKP1		10 18 37.0
			i		10 18 40.7
		Um	iPKP1		10 18 21.2
		Ud	iPKP1		10 18 34.5
		De	iPKP1		10 18 41.6
			ipPKP1		10 18 52.6
		Kermadec Islands (h = N). h = 30 km (Up,Sk,De).			
"	22	Ki	iP		10 26 44.8
"	22	Up	iPKP		10 30 59.2
			iPP		10 31 57.3
			ipKKP		10 41 41.4
		Ki	iPKP		10 30 49.1
			iPP		10 31 18.6
			ipKKP		10 41 57.6
		Sk	iPKP		10 30 59.0
			iPP		10 31 54.8
		Um	iPKP		10 30 53.3
			iPP		10 31 36.1
			ipKKP		10 41 50.2
		Ud	iPKP		10 31 01.9
			iPP		10 32 06.9
		De	iPKP		10 31 06.8
			iPP		10 32 22.2
			ipKKP		10 41 29.3
		New Britain (h = 170 km).			
"	22	Up	ePKP1		10 35 06
		Um	iPKP1		10 34 51.9
		Ud	iPKP1		10 35 05.6
		Kermadec Islands.			
"	22	Sk	ipPKP1		11 03 11.0
		Um	iPKP1		11 02 55.6
			ipPKP1		11 03 07.7
		Ud	ipPKP1		11 03 19.4
		De	ipPKP1		11 03 27.2
		Kermadec Islands. h = 40 km (Um).			
"	22	Up	iPKP		11 03 29.3
			iPKP1		11 03 34.7
			iPKP2		11 03 39.4
			ipPKP2		11 03 51.6

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalistugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May	23	Up	iPKP1	14 18 36.1
			iPKP2	14 18 40.1
			ipPKP1	14 18 47.9
			ipPKP2	14 18 52.0
		Sk	iPKP1	14 18 29.4
			ipPKP1	14 18 42.2
		Um	iPKP1	14 18 24.4
		Ud	iPKP1	14 18 38.0
			iPKP2	14 18 42.8
			ipPKP1	14 18 49.6
		De	iPKP1	14 18 46.0
			iPKP2	14 18 56.6

Kermadec Islands.
h = 40 km (Up,Sk,Ud).

"	23	Up	iP	15 06 46.9
		Ki	iP	15 06 15.0
		Ud	iP	15 06 54.8
"	23	Ki	iP	15 35 37.0
			i	15 35 45.4
			iS	15 37 40.1
		Sk	iP	15 35 42.4
			iS	15 37 30.8
		Um	iS	15 38 49.8
		Ud	iP	15 36 28.7
			iS	15 39 18.5

Greenland Sea,
near 73°N, 12°W.
Approximate origin time =
15 32 56.

"	23	Um	iP	16 35 18.8
"	23	✓ Up	iP	16 46 19.2
			ipP	16 46 39.6
			iSKS	16 56 51
			iS	16 57 55
				micr sec
			pP	Z' 0.1 1.5
			Mx	E 1.8 19
			Mx	N 1.4 20
			Mx	Z 4.4 23
		✓ Ki	iP	16 46 23.2
			ipP	16 46 43.4
			iPP	16 50 44.1
			iSKS	16 56 57
			iS	16 58 05
			iPKKP	17 02 40.7
				micr sec
			pP	Z' 0.1 2.0
			Mx	E 3.3 26
			Mx	N 2.5 26
			Mx	Z 3.4 26

(cont.)

1976

May	23	(cont.)		
		Sk	iP	16 46 08.9
			iPP	16 50 11.9
		Um	iP	16 46 24.8
			ipP	16 46 44.8
			iPP	16 50 44.0
			iSKS	16 56 57
			iS	16 58 04.0
			ePKKP	17 02 41
		Ud	iP	16 46 09.7
			ipP	16 46 29.6
			iPKKP	17 02 54.0
		De	iP	16 46 09.9
			ipP	16 46 30.0

Peru.
h = 70 km (Up,Ki,Um,Ud,De).
m = 6.2, M = 5.8 (Up,Ki).

"	24	Up	iPKP1	03 45 38.8
		Ud	iPKP1	03 45 41.1
		De	iPKP1	03 45 51.6
"	24	Up	iPKP2	04 24 24.4
			ipPKP2	04 24 36.6
		Um	iPKP1	04 24 07.3
			ipPKP1	04 24 19.2
		Ud	ipPKP1	04 24 32.4

Kermadec Islands.
h = 40 km (Up,Um).

"	24	Up	iPKP1	05 30 06.8
			iPKP2	05 30 11.4
				micr sec
			PKP1	Z' 0.1 1.0
			PKP2	Z' 0.1 0.9
		Ki	iPKP1	05 29 47.7
		Sk	iPKP1	05 29 59.7
			ipPKP1	05 30 10.1
		Um	iPKP1	05 29 54.4
		Ud	iPKP1	05 30 07.6
			iPKP2	05 30 13.9
		De	iPKP1	05 30 16.6
			ipPKP1	05 30 28.0

Kermadec Islands.
h = 35 km (Sk,De).

"	24	Up	iP	08 05 59.2
		Um	iP	08 05 22.4
			i	08 05 34.9

"	24	Up	iP	11 07 35.9
			iPP	11 11 01.6
		Ki	eP	11 07 29
		Sk	iP	11 07 19.7

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 24 (cont.)
 Um iP 11 07 35.6
 Ud iP 11 07 26.4
 De iP 11 07 31.8
 Nicaragua (h = N).
 " 24 ✓ Up ✓ iP 11 36 22.4 C
 i 11 36 26.0
 ✓ i 11 36 38.7
 iPP 11 39 27.2
 iS 11 46 13.6
 micr sec
 P Z' 0.2 1.2
 i Z' 0.2 1.1
 Mx E 3.4 15
 Mx N 2.4 17
 Mx Z 5.3 16
 ✓ Ki iP 11 35 47.0 C
 i 11 35 50.5
 micr sec
 P Z' 0.2 1.1
 i Z' 0.2 1.0
 Mx E 5.3 14
 Mx Z 5.6 14
 Sk iP 11 36 17.9
 i 11 36 21.3
 iPP 11 39 15.7
 Um iP 11 36 02.4 C
 i 11 36 05.9
 iS 11 45 37
 Ud iP 11 36 29.3 C
 i 11 36 32.9
 iPP 11 39 32.3
 De iP 11 36 42.9
 i 11 36 57.9
 iPP 11 39 49.9
 Japan (h = N).
 m = 6.0, M = 5.9 (Up,Ki).
 " 24 Ud iPKP1 13 04 30.3
 De iPKP1 13 04 41.0
 " 24 De iP 13 12 14.0
 " 24 Up iPKP1 14 40 20.2
 Sk iPKP1 14 40 15.2
 Um iPKP1 14 40 10.9
 Ud iPKP1 14 40 21.3
 i 14 40 31.0
 South of Kermadec Islands
 (h = 30 km).
 " 24 Up iP 15 02 57.8
 Ki iP 15 03 11.5
 (cont.)

1976

May 24 (cont.)
 Sk iP 15 03 27.2
 Um iP 15 02 58.9
 Ud iP 15 03 15.5
 De iP 15 03 10.3
 Uzbek SSR (h = N).
 " 24 Up iPKP1 16 11 52.1
 Ud iPKP1 16 11 54.6
 " 24 Up iPKP1 23 42 14.6
 i 23 42 25.9
 Ki iPKP1 23 41 55.8
 i 23 42 06.8
 Sk iPKP2 23 42 18.2
 Um iPKP1 23 42 05.8
 Ud iPKP1 23 42 17.7
 South of Kermadec Islands
 (h = 80 km).
 " 25 Um iP 00 23 47.7
 " 25 Ki iPKP 00 58 05.4
 Um iPKP 00 58 12.1
 iSKP1 01 01 31.1
 New Hebrides Islands
 (h = 70 km).
 " 25 Up iPKP2 01 34 40.1
 Um iPKP1 01 34 24.8
 " 25 Up iPKP1 03 46 22.4
 i 03 46 26.4
 iSKP1 03 49 09.7
 Ki iPKP 03 46 16.9
 Sk iPKP 03 46 26.3
 iSKP1 03 49 03.2
 Um i(PKP) 03 46 20.1
 iPKP 03 46 23.7
 iSKP1 03 48 56.9
 Ud iPKP1 03 46 23.2
 i 03 46 27.4
 iSKP1 03 49 10.6
 De iPKP1 03 46 32.8
 i 03 46 39.0
 iSKP1 03 49 21.4
 Fiji Islands (h = 610 km).
 " 25 Up iP 04 58 55.6 C
 ipP 04 59 21.8
 iPcP 04 59 33.6
 Ki eP 04 58 48
 iPcP 04 59 28.7
 Sk iP 04 59 11.0
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

May 25 (cont.)

Sk	ipP	04 59 37.4
Um	ipP	04 58 47.6
	ipP	04 59 13.9
Ud	ipP	04 59 08.8
	ipP	04 59 35.1
De	ipP	04 59 11.0

Burma-India.
h = 110 km (Up,Sk,Um,Ud).

" 25 Up ipP 08 19 43.8 C
ipP 08 19 56.7
micr sec
P Z' 0.5 1.2
pP Z' 0.5 1.5
Mx E 0.9 16
Mx N 2.5 20
Mx Z 3.2 17

✓ Ki ipP 08 19 51.3 C
ipP 08 20 03.8
micr sec
P Z' 0.3 1.0
Mx E 2.4 14
Mx N 1.2 16
Mx Z 1.0 14

Sk ipP 08 19 27.8 C
ipP 08 19 39.9

Um ipP 08 19 16.1 C

Ud ipP 08 19 47.8 C
i 08 19 54.9

De ipP 08 20 08.7 C
ipP 08 20 20.5

Kamchatka.
h = 45 km (Up,Ki,Sk,De).
m = 6.4, M = 5.5 (Up,Ki).

" 25 ✓ Up ipP 08 27 20.1 C
ipP 08 27 32.7
micr sec
P Z' 0.9 1.3
Mx E 2.4 18
Mx N 3.6 17
Mx Z 5.7 17

✓ Ki ipP 08 26 27.3 C
ipP 08 26 40.9
micr sec
P Z' 0.6 0.9
Mx E 0.8 14
Mx N 1.7 16
Mx Z 1.0 12

Sk ipP 08 27 03.7 C
Um ipP 08 27 52.4 C
Ud ipP 08 27 23.8 C
i 08 27 30.3
ipP 08 27 34.7

(cont.)

1976

May 25 (cont.)

De	ipP	08 27 44.7
	ipP	08 27 56.5

Kamchatka.
h = 45 km (Up,Ki,Ud,De).
m = 6.6, M = 6.1 (Up,Ki).

" 25 Up ipP 11 20 28.2
i 11 20 35.1
Ki ipP 11 19 35.5
i 11 19 46.7
Sk ipP 11 20 12.7
Um ipP 11 20 00.7
i 11 20 11.7
Ud ipP 11 20 32.7
De ipP 11 20 54.0

Kurile Islands.

" 25 Up eP 12 49 20
Ki ipP 12 48 15.3
Sk eP 12 48 26
i 12 48 35.9
Um ipP 12 48 52.0
Ud ipP 12 49 09.2
De ipP 12 49 45.2
Jan Mayen (h = 10 km).

" 25 Up eP 14 08 44
Ki eP 14 07 39
i 14 07 51.4
Sk eP 14 07 50
Um ipP 14 08 15.9
i 14 08 25.4
Ud ipP 14 08 33.9
De ipP 14 09 08.4
Jan Mayen (h = 10 km).

" 25 Ki ipP 15 44 06.7
Um ipP 15 44 31.8
Ud ipP 15 45 04.6
i 15 45 13.4

" 25 Up ipPKP2 15 52 00.5
Um ipPKP1 15 51 43.5
i 15 51 50.6
Ud i 15 52 13.7

" 25 Up ipPKP 16 32 19.7
Ki ipPKP 16 32 04.8
Sk ipPKP 16 32 14.6
Um ipPKP 16 32 10.5
i 16 32 22.4
Ud i(PKP) 16 32 15.6
ipPKP 16 32 22.4
De ipPKP1 16 32 17.4
New Hebrides Islands (h = 60 km).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May	25	Up	iP	18 48 18.8	May	27	Up	iP	00 32 53.7
		Um	iP	18 48 53.8			Ki	eP	00 31 11
		Ud	iP	18 48 32.5				i	00 31 16.9
			i	18 48 35.4			Um	iP	00 32 06.2
		De	i	18 48 04.6				i	00 32 16.0
		Turkey (h = 15 km).					Ud	iP	00 32 52.0
							De	iP	00 33 30.3
		Svalbard (h = 10 km).							
"	25	Up	iPKP1	21 36 39.4	"	27	Ud	iP	01 59 29.6
			iPKP2	21 36 45.6					
		Sk	i	21 36 45.1	"	27	Up	iP	02 28 47.0
			i	21 36 49.2					
		Um	iPKP1	21 36 28.4	"	27	Up	iPKP1	02 41 46.7
		Ud	iPKP1	21 36 40.9				i	02 41 49.1
			i	21 36 54.5					micr sec
		De	iPKP2	21 37 02.4				PKP1	Z' 0.1 0.9
		Kermadec Islands (h = 180 km).					Sk	iPKP1	02 41 38.5
							Um	iPKP1	02 41 33.9
"	25	Up	iP	23 45 38.0			Ud	iPKP1	02 41 47.6
				micr sec			De	iPKP1	02 41 57.2
		P	Z'	0.1 1.2				i	02 42 05.6
		Ki	iP	23 45 01.8	"	27	De	iPKP1	04 08 51.2
			ipP	23 45 14.9			Fiji Islands (h = 430 km).		
		Um	iP	23 45 18.1					
			ipP	23 45 30.6	"	27	Ki	iP	06 05 47.3
		Ud	iP	23 45 44.7				ipP	06 05 54.3
			ipP	23 45 57.9			Sk	iP	06 06 17.1
		Japan.					Ud	iP	06 06 39.2
		h = 45 km (Ki,Um,Ud).						ipP	06 06 46.7
"	26	Ud	iP	01 28 08.7			De	iP	06 07 02.5
"	26	Ki	eP	07 01 35				ipP	06 07 10.0
		Mariana Islands (h = 120 km).					Alaska.		
"	26	Ud	iP	09 00 35.1			h = 25 km (Ki,Ud,De).		
"	26	Ud	iP	12 08 10.2	"	27	Up	iPKP1	07 13 57.2
"	26	Up	iP	15 38 12.0 C			Ki	iPKP	07 13 47.4
		Ki	iP	15 38 11.2 C			Sk	iPKP1	07 13 52.9
			i	15 38 15.4			Um	iPKP	07 13 57.5
		Sk	iP	15 38 26.3 C			Ud	iPKP1	07 13 59.0
		Um	iP	15 38 08.8 C			De	iPKP1	07 14 10.1
		Ud	iP	15 38 22.4 C				i	07 14 14.8
			i	15 38 28.8			Tonga-Kermadec Islands		
		De	iP	15 38 21.1 C			(h = 580 km).		
		Sumatra (h = 180 km).			"	27	De	iP	10 52 22.5
"	26	Ud	iP	17 32 19.5			North Atlantic Ridge (h = N).		
"	26	Up	iP	20 04 22.3 C	"	27	Ki	iPKP1	11 19 52.1
		Ki	iP	20 04 01.6 C			Um	iPKP1	11 19 59.0
		Ud	iP	20 04 31.7 C			Ud	iPKP1	11 20 10.0
		Luzon (h = N).			"	27	Ki	eP	18 15 34
							(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976							
May	29	Um	iP	05 41 27.9	May	29	(cont.)				
"	29	Ud	iP	08 41 14.4			Um	iP	12 33 50.1		
"	29	Up	iPKP1	09 02 11.1				ipP	12 33 53.4		
		Ud	iPKP1	09 02 10.5				iS	12 42 25		
"	29	Up	iPKP1	09 44 36.7			Ud	iP	12 34 12.2		
				micr sec				ipP	12 34 15.8		
			PKP1	Z' 0.1 1.2			De	iP	12 34 17.7		
		Ki	ePKP	09 44 25				ipP	12 34 21.1		
		Sk	iPKP1	09 44 28.1			Yunnan, China.				
		Um	iPKP1	09 44 24.0			h = 10 km (Up,Ki,Sk,Um,Ud,De).				
		Ud	iPKP1	09 44 37.5			m = 6.9, M = 7.5 (Up,Ki).				
			i	09 44 40.6		"	29	Up	iP	12 44 44.9	
		De	iPKP1	09 44 46.0				i	12 45 48.1		
		Kermadec Islands (h = 230 km).						Ki	i	12 45 37.7	
"	29	Um	iPKP1	11 08 22.2			Um	iP	12 45 35.0		
		De	iPKP1	11 08 38.8			Ud	iP	12 45 57.3		
		Solomon Islands (h = 140 km).						i	12 46 01.0		
"	29	Up	iP	12 08 59.5			Burma-China.				
				micr sec			"	29	Up	iP	13 09 35.9
			P	Z' 0.1 1.0				Um	iP	13 09 22.9	
		Ki	iP	12 08 48.9			"	29	Ud	iP	13 16 32.7
				micr sec			"	29	Up	iP	14 06 01.3
			P	Z' 0.1 1.2				i	14 06 05.5		
		Sk	iP	12 09 12.7			Um	i	14 05 56.2		
		Um	iP	12 08 49.9			Ud	eP	14 06 14		
		Ud	iP	12 09 11.8				i	14 06 18.7		
		Burma-China (h = N).				"	29	Up	iP	14 10 57.9	
		m = 5.9 (Up,Ki).						ipP	14 11 00.8		
"	29	Up	iP	12 34 00.2				i	14 11 09.1		
			ipP	12 34 03.1				iPP	14 13 28.8		
			iS	12 42 17.3				iS	14 19 41.8		
				micr sec					micr sec		
			P	Z' 0.1 1.1				pP	Z' 0.7 1.4		
			pP	Z' 1.3 1.5				i	Z' 1.5 1.3		
			Mx	E 31 16				Mx	E 26 22		
			Mx	N 362 21				Mx	N 250 21		
			Mx	Z 93 24				Mx	Z 63 19		
		Ki	iP	12 33 49.3			✓Ki	iP	14 10 47.4		
			ipP	12 33 52.6				ipP	14 10 50.6		
			iS	12 42 22				i	14 10 58.4		
				micr sec				eS	14 19 22		
			P	Z' 0.2 1.0				iPP	14 13 19.0		
			pP	Z' 0.9 1.4					micr sec		
			Mx	E 27 17				pP	Z' 0.4 1.5		
			Mx	N 264 17				i	Z' 1.8 1.4		
			Mx	Z 29 17				Mx	E 33 17		
		Sk	iP	12 34 13.0				Mx	N 151 17		
			ipP	12 34 16.1				Mx	Z 36 17		
		(cont.)					Sk	ipP	14 11 14.0		
		(cont.)					(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May	29	(cont.)		May	29				
		Sk	i			De	iP	15 24 27.9	
			i		"	Ud	iP	15 26 18.7	
			iPP		"	Ud	iP	16 16 37.6	
		Um	iP		"	Up	iPKP1	16 38 52.6	
			ipP			Sk	iPKP1	16 38 45.7	
			i			Um	iPKP1	16 38 40.3	
			iPP			Ud	iPKP1	16 38 53.9	
			iS				i	16 38 58.2	
		Ud	iP			De	i	16 39 07.6	
			ipP		"	Up	iP	17 19 32.0	
			i			Ki	i	17 19 29.4	
			iPP			Um	i	17 19 37.2	
			iS			Ud	i	17 19 47.5	
		De	iP			Burma-China (h = N).			
			ipP		"	Up	iP	19 47 32.5	
			i				ipP	19 47 35.6	
			iPP					micr sec	
			i				pP	Z' 0.1 1.1	
		Burma-China.					Mx	E 1.2 20	
		h = 10 km (Up,Ki,Um,Ud,De).					Mx	N 3.2 18	
		m = 7.0, M = 7.3 (Up,Ki).					Mx	Z 1.3 19	
"	29	Ud	iP	14 21 31.8		Ki	iP	19 47 22.0	
"	29	Ki	iP	14 38 09.2			ipP	19 47 25.0	
"	29	Um	iP	14 38 09.0				micr sec	
"	29	Up	iP	14 38 41.7			pP	Z' 0.1 1.5	
"	29	Sk	iP	14 38 53.2			Mx	E 0.7 16	
"	29	Um	iP	14 38 31.9			Mx	N 2.9 18	
"	29	Burma-China.					Mx	Z 0.7 14	
"	29	Up	iP	14 42 24.7		Sk	iP	19 47 46.0	
"	29	Ki	iP	14 42 13.8			ipP	19 47 49.0	
"	29	Um	iP	14 42 15.4		Um	iP	19 47 22.8	
"	29	Ud	iP	14 42 37.8			ipP	19 47 25.8	
"	29		i	14 43 01.5		Ud	iP	19 47 44.4	
"	29	Burma-China (h = N).					ipP	19 47 48.5	
"	29	Up	iP	15 03 34.3		De	iP	19 47 51.5	
"	29	Ki	eP	15 03 24		Burma-China.			
"	29	Um	iP	15 03 25.3		h = 10 km (Up,Ki,Sk,Um,Ud).			
"	29	Ud	iP	15 03 47.0		m = 5.9, M = 5.5 (Up,Ki).			
"	29	Burma-China (h = N).			"	29	Up	iP	22 01 36.6
"	29	Up	iP	15 05 20.8			iP	22 01 43.6	
"	29	Ionian Sea (h = N).			"	29	Up	iPKP1	22 10 36.1
"	29	Up	iPKP1	15 08 20.8			iPKP2	22 10 40.7	
"	29	Ud	iPKP1	15 08 22.5		Sk	iPKP1	22 10 29.9	
"	29		i	15 08 34.5		Um	iPKP1	22 10 24.3	
"	29	De	iPKP1	15 08 31.5		Ud	iPKP1	22 10 37.8	
"	29	Ud	iP	15 19 06.9			iPKP2	22 10 43.4	
"	29		i	15 19 18.1		De	iPKP1	22 10 45.9	
							i	22 10 57.1	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
May	29	Sk	iP	22 47 33.3	May	30	(cont.)		
		Um	iP	22 47 23.8			Ud	i	03 17 12.4
		Ud	eP	22 47 02			De	iP	03 16 58.4
		Turkey (h = 15 km).							
"	29	Um	iP	23 23 12.7	"	30	✓ Up	iPKP	03 27 53.9
		Japan (h = 35 km).						iPP	03 29 46.1
									micr sec
"	29	Um	iP	23 41 50.2				PKP	Z' 0.2 1.4
		Ud	eP	23 42 15				Mx	E 1.5 20
		Burma-China (h = N).						Mx	N 1.1 20
								Mx	Z 3.8 20
"	30	Up	iP	00 13 35.2			Ki	iPKP	03 28 00.9
"	30	Up	iP	00 50 28.6				ipPKP	03 28 09.5
		Ud	iP	00 50 41.0				iSKP1	03 31 23.5
		Burma-China (h = N).							micr sec
"	30	Ud	iP	02 33 53.5				PKP	Z' 0.5 1.4
"	30	✓ Up	i	03 10 37.7				Mx	E 1.8 22
			i	03 10 46.5				Mx	N 1.0 19
				micr sec				Mx	Z 1.7 19
			i	Z' 0.1 1.4			Sk	iPKP	03 27 52.6
		Mx	E	1.0 18				i	03 27 59.7
		Mx	N	1.1 20			Um	iPKP	03 27 58.4
		Mx	Z	1.7 21				ipPKP	03 28 07.3
		Ki	iP	03 10 09.8			Ud	iPKP	03 27 49.2
			i	03 10 15.0				iPP	03 29 35.6
			i	03 10 22.2			De	iPKP	03 27 47.9
				micr sec			Off coast of Chile.		
		P	Z'	0.1 1.3			h = 25 km (Ki,Um).		
		Mx	N	1.7 22			M = 5.8 (Up,Ki).		
		Sk	iPP	03 14 50.5	"	30	Ud	iP	03 37 32.9
		Um	iP	03 10 15.3	"	30	Up	iPKP1	03 59 37.2 D
			i	03 10 20.5			Ki	ePKP1	03 59 17
			i	03 10 27.3			Sk	iPKP1	03 59 29.9
		Ud	iP	03 10 33.8			Um	iPKP1	03 59 25.7 D
			i	03 10 39.6				i	03 59 37.5
			i	03 10 47.9				i	03 59 46.0
			iPP	03 14 51.5			Ud	iPKP1	03 59 38.9 D
		De	i(PP)	03 14 09.2			De	iPKP1	03 59 46.9
			iPP	03 14 56.5				i	03 59 58.1
		Halmahera (h = N).			"	30	Up	iP	04 10 23.5
		M = 5.5 (Up,Ki).					Um	iP	04 10 25.4
"	30	Up	iP	03 16 42.1			Ud	iP	04 10 44.2
			ipP	03 16 52.4			Hindu Kush.		
		Ki	iP	03 16 22.6	"	30	Up	iP	04 29 21.5
			ipP	03 16 32.6				ipP	04 29 23.4
		Sk	iP	03 16 46.5					micr sec
		Um	iP	03 16 29.5				Mx	E 0.9 16
			ipP	03 16 40.1				Mx	N 2.9 18
		Ud	iP	03 16 52.9				Mx	Z 1.1 16
			ipP	03 17 03.5			Ki	eP	04 29 10
		(cont.)						ipP	04 29 12.4
							(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
May	30	(cont.)		May	30	Up	iP	21 18 20.9
		Ki	micr sec			Up	iP	21 18 20.9
		pP	Z' 0.1 1.3	"	30	Up	iP	21 59 19.4
		Mx	E 0.8 17			Sk	iP	21 59 18.7
		Mx	N 2.9 18			Um	iP	21 59 01.7
		Mx	Z 0.9 16			Ud	iP	21 59 28.1
		Sk	ipP 04 29 36.3			De	eP	21 59 40
		Um	iP 04 29 11.1			Ryukyu Islands (h = 40 km).		
			ipP 04 29 13.4					
		Ud	iP 04 29 33.7	"	30	Up	e	22 07 21
			ipP 04 29 35.9			Ki	iP	22 07 55.7
			i 04 30 10.7			Um	iP	22 07 28.5
		De	iP 04 29 39.2			Ud	eP	22 07 26
		Burma-China.					i	22 07 38.5
		h = 5 km (Up,Ki,Um,Ud).				De	iPP	22 07 44.2
		M = 5.5 (Up,Ki).				Turkey-USSR (h = 10 km).		
"	30	Ud	iP 05 39 16.6	"	30	Ki	iP	22 23 53.0
"	30	Ud	iP 08 12 20.8			Sinkiang, China.		
"	30	Ud	eP 09 09 02	"	30	Up	iP	22 42 09.8
"	30	Up	iP 09 47 08.4				ipP	22 42 12.5
		Ki	iP 09 46 48.4			Ki	iP	22 41 59.3
		Ud	iP 09 47 17.6			Um	iP	22 41 59.9
"	30	Ud	iP 11 53 55.8				ipP	22 42 02.7
"	30	Up	iP 13 22 11.1			Ud	iP	22 42 22.7
		Ki	iP 13 21 18.9				ipP	22 42 25.4
		Um	iP 13 21 43.6			De	iP	22 42 26.8
		Ud	iP 13 22 15.1				ipP	22 42 29.4
		De	iP 13 22 36.6			Burma-China.		
"	30	Um	iP 13 28 03.9	"	30	Up	iPKP1	22 59 43.5
		Ud	eP 13 28 35			Ud	iPKP1	22 59 45.7
"	30	Up	iP 13 50 30.3				i	22 59 47.3
		Ud	iP 13 50 37.3			De	iPKP1	22 59 55.4
		Ionian Sea (h = 35 km).				Tonga-Kermadec Islands (h = 550 km).		
"	30	Sk	iP 15 13 48.3	"	31	Up	iPKP1	02 17 11.7
"	30	Up	iP 16 31 40.6				iPKP2	02 17 15.6
		Ud	iP 16 31 45.0			Ki	iPKP	02 16 57.0
		Ionian Sea (h = N).				Sk	iPKP1	02 17 06.3
"	30	Ud	iP 17 38 06.6				i	02 17 24.3
"	30	Ud	iP 18 36 16.7			Um	iPKP1	02 16 59.8
"	30	Up	i 21 16 39.9				i	02 17 04.7
		De	iP 21 15 36.2			Ud	iPKP1	02 17 13.5
		Austria (h = N).					iPKP2	02 17 18.2
"	31	Um	iP 02 46 25.9			De	iPKP1	02 17 21.6
"	31	Up	eP 05 03 35				iPKP2	02 17 32.2
		Ud	eP 05 03 49			Kermadec Islands (h = 55 km).		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May 31	Up	iP	05 19 07.9	May 31	(cont.)		
		ipP	05 19 11.6		Ud	ipP	08 13 57.0
		iPP	05 21 31.1			iPn	08 14 55.4
		iS	05 27 51		De	i	08 14 29.8
			micr sec		Iran-USSR.		
		P	Z' 0.2 1.0		h = 10 km (Up,Ki,Um,Ud).		
		pP	Z' 1.0 1.6	" 31	Ud	iP	12 19 16.1
		Mx	E 7.2 16	" 31	Up	iP	12 43 51.0
		Mx	N 42 20			ipP	12 44 17.7
		Mx	Z 12 16		Ki	iP	12 43 51.4
	Ki	iP	05 18 57.6		Sk	iP	12 44 07.6
		ipP	05 19 01.1		Um	iP	12 43 47.9
		i	05 19 17.5			ipP	12 44 13.4
		iPP	05 21 18.4		Ud	iP	12 44 03.6
		iS	05 27 37			ipP	12 44 29.7
			micr sec		De	iP	12 44 02.6
		P	Z' 0.1 1.0		Andaman Islands.		
		pP	Z' 0.6 2.0		h = 110 km (Up,Um,Ud).		
		Mx	E 8.6 13	" 31	Up	iP	13 28 14.1
		Mx	N 35 17			ipP	13 28 41.3
		Mx	Z 7.7 13		Ki	iP	13 27 22.7
	Sk	iP	05 19 21.6			i	13 27 59.9
		ipP	05 19 25.1		Sk	i	13 28 35.2
	Um	iP	05 18 58.9		Um	iP	13 27 46.6
		ipP	05 19 02.2			i	13 28 23.1
		i	05 19 22.5		Ud	iP	13 28 18.0
		i	05 19 30.5			i	13 28 54.8
		iS	05 27 33		De	iP	13 28 37.2
	Ud	iP	05 19 20.6		Kurile Islands (h = 110 km).		
		ipP	05 19 24.3	" 31	Up	iSn	14 17 00.0
		iPP	05 21 47.5		Ud	iSn	14 16 12.9
	De	iP	05 19 24.6			iSgl	14 16 23.6
		ipP	05 19 27.8		De	iSn	14 16 14.9
	Burma-China.					iSgl	14 16 24.5
	h = 10 km (Up,Ki,Sk,Um,Ud,De).				Skagerrak, 58.2°N, 9.2°E.		
	m = 6.6, M = 6.7 (Up,Ki).				Origin time = 14 14 53.		
" 31	Ud	iP	07 16 12.9		Explosion?		
" 31	Up	iP	08 13 37.2		By combination with Kongsberg readings.		
		ipP	08 13 39.6	" 31	Ud	iSgl	14 23 58.1
		iPn	08 14 24.0			iRg	14 24 10.6
		iPP	08 14 46.2		De	iSgl	14 23 58.5
	Ki	iP	08 14 04.3		Skagerrak, 58.2°N, 9.2°E.		
		ipP	08 14 06.7		Origin time = 14 22 27.		
		iPn	08 15 07.5		Explosion?		
			micr sec	" 31	Up	iP	15 02 31.0
		pP	Z' 0.1 1.0				micr sec
	Sk	ipP	08 14 13.0		P	Z'	0.1 1.5
		iPn	08 15 19.2		Ki	iP	15 02 14.8
	Um	iP	08 13 44.7			i	15 02 31.9
		ipP	08 13 47.0		(cont.)		
		iPn	08 14 40.2				
		i	08 21 07.9				
	Ud	iP	08 13 54.8				
	(cont.)						

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
May	31	(cont.)		May	31	Up	ipPKP1 20 58 35.3
		Ki	micr sec				ipPKP2 20 58 39.9
		P	Z' 0.2 1.5				micr sec
		Sk	iP 15 02 12.4				pPKP2 Z' 0.1 1.2
		Um	iP 15 02 25.3			Ki	ipPKP 20 58 18.9
		Ud	iP 15 02 22.3			Sk	ipPKP1 20 58 27.6
		De	iP 15 02 32.5				ipPKP2 20 58 32.0
		Mexico (h = 160 km).				Um	iPKP1 20 58 12.9
							ipPKP1 20 58 22.6
"	31	Up	eP 18 45 43			Ud	i 20 58 28.5
			ipP 18 45 46.6				ipPKP1 20 58 37.1
			iPcP 18 46 13.6			De	i 20 58 41.8
			iS 18 54 27				ipPKP2 20 58 45.4
			micr sec			Kermadec Islands.	
			pP Z' 0.1 1.2			h = 30 km (Um).	
			Mx E 1.2 13			"	31
			Mx N 10 20			Up	iP 21 08 28.5
			Mx Z 2.3 16			Ud	iP 21 08 38.6
		Ki	ipP 18 45 36.3			Ryukyu Islands (h = N).	
			i 18 45 58.2			"	31
			iPcP 18 46 12.6			Up	iP 22 41 15.6
			micr sec				micr sec
			pP Z' 0.1 1.4				Mx N 1.0 18
			Mx E 2.6 13				Mx Z 0.9 17
			Mx N 6.9 17			Ki	micr sec
			Mx Z 2.4 13				Mx E 1.1 20
		Sk	iP 18 45 56.3			Um	iP 22 41 06.9
			ipP 18 45 59.9			De	iP 22 41 23.1
			i 18 46 34.3			Santa Cruz Islands (h = 20 km).	
		Um	iP 18 46 33.4			M = 5.5 (Up,Ki).	
			ipP 18 46 36.9				
			iS 18 54 09				
		Ud	iP 18 45 55.5				
			ipP 18 45 59.4				
			i 18 46 17.0				
		De	ipP 18 46 02.1				
		Burma-China.					
		h = 10 km (Up,Sk,Um,Ud).					
		m = 5.9, M = 6.0 (Up,Ki).					
"	31	Up	iPKP1 20 22 11.8				
		Ud	iPKP1 20 22 13.9				
		De	iPKP1 20 22 24.6				
"	31	Up	iPKP2 20 25 14.5				
		Sk	ipPKP2 20 25 14.9				
		Um	iPKP1 20 24 57.2				
			ipPKP1 20 25 07.5				
		Ud	iPKP2 20 25 14.9				
			i 20 25 19.8				
		De	iPKP1 20 25 19.0				
			ipPKP2 20 25 30.2				
		Kermadec Islands.					
		h = 30 km (Um).					

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January 21, 1978



SEISMOLOGICAL INSTITUTE
BOX 517
S-751 20 UPPSALA
SWEDEN

SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, SKALSTUGAN, UMEÅ,

UDDEHOLM and DELARY

Uppsala	(Up):	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(Ki):	67°50.4'N,	20°25.0'E;	h = 390 m
Skalstugan	(Sk):	63°34.8'N,	12°16.8'E;	h = 580 m
Umeå	(Um):	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(Ud):	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(De):	56°28.2'N,	13°52.2'E;	h = 150 m

JUNE 1 - 30, 1976

1976				1976			
June				June			
1	Up	iP	02 09 19.6	1 ✓	Up	iP	22 44 09.6
"	1	Up	iP			ipP	22 44 22.4
			02 24 01.5				micr sec
			02 24 13.3			P	Z' 0.1 1.7
		Sk	iP			Ki	iP
			02 24 42.9				22 43 40.8
		Ud	iP				ipP
			02 24 20.5				22 43 54.9
			02 24 29.5				micr sec
		Iran-USSR (h = 45 km).				P	Z' 0.1 1.0
"	1	Ki	iP			Sk	iPP
			07 38 57.7				22 47 56.6
		Ud	iP			Um	iP
			07 38 58.7				22 43 52.6
		Uzbek SSR (h = 35 km).					ipP
							22 44 05.9
"	1	Up	iP			Ud	iP
			11 09 16.7				22 44 13.3
			micr sec				i(PP)
			0.1 0.9				22 47 45.3
		P	Z'			Mariana Islands.	
						h = 45 km (Up,Ki,Um).	
		Ki	iP			m = 6.0 (Up,Ki).	
			11 09 07.0	"	1	Up	iP
		Sk	iP				23 45 31.2
			11 09 30.9	"	2	Up	iP
		Um	iP				00 16 03.3
			11 09 07.3			Ud	iP
			11 09 18.5				00 16 10.9
		Ud	iP			Japan (h = 410 km).	
			11 09 29.8 C	"	2	Up	iP
		De	iP				00 25 00.7
			11 09 32.2			Ud	iP
		Burma (h = 45 km).					00 25 07.4
"	1	De	ePKP	"	2	Um	iPKP
			14 32 35				01 08 17.9
		Fiji Islands (h = 630 km).		"	2	New Ireland (h = 110 km).	
"	1	Ud	iP	"	2	Ud	i(P)
			15 06 41.7				02 08 27.2
"	1	Up	iP	"	2	Ud	iP
			15 49 26.9				02 52 07.7
		Ud	iP	"	2	Up	iP
			15 49 23.3				03 29 24.0
		Italy (h = N).		"	2	De	iP
"	1	Ud	iPKP1				03 29 36.4
			18 57 24.4	"	2	Up	iP
		De	iPKP1				05 29 56.2
			18 57 33.9	"	2	Up	iP
"	1	Ud	iP				
			19 57 47.5				
		Yugoslavia (h = N).					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
June	2	Up	iP	06 00 32.5	June	2	(cont.)
				micr sec			De iPKP1 11 08 23.4
			P	Z' 0.1 0.9			Fiji Islands (h = 550 km).
		Ki	iP	05 59 50.4 C	"	2	Sk iP 12 30 27.1
		Sk	iP	06 00 25.5			Um iP 12 30 18.3
		Um	iP	06 00 09.3 C			Ud eP 12 30 31
		Ud	iP	06 00 39.7 C	"	2	Ud iP 14 27 33.4
			i	06 01 01.9	"	2	Up iP 14 38 05.4
		De	iP	06 00 56.2	"	2	Up iP 18 12 12.3
		Japan (h = 60 km).			"	2	Ud iP 18 12 27.4
"	2	Up	iP	06 10 58.2	"	2	De iP 18 12 10.7
		Ki	iP	06 10 41.3			Iran (h = N).
		Ud	iP	06 11 06.3	"	2	Sk iP 19 07 57.1
		De	iP	06 11 11.6	"	2	Up Mx 20 31
		Talaud Islands (h = 90 km).					micr sec
"	2	Ki	eP	07 59 36			Mx E 1.0 18
		Sk	iP	07 59 47.9			Mx N 1.0 18
		Um	i	08 00 06.4			Mx Z 1.0 19
		Ud	iP	08 00 03.3			Ki Mx 20 32
"	2	Ki	iP	08 00 48.1			micr sec
		Sk	iP	08 01 12.1			Mx E 0.9 18
		Um	iP	08 00 56.0			Mx N 0.9 18
			i	08 01 06.6			Mx Z 1.2 18
		Ud	iP	08 01 15.4			South Pacific Ocean (h = N).
			i	08 01 31.5			M = 5.9 (Up,Ki).
		Talaud Islands (h = N).			"	2	Ud iP 20 53 46.0
"	2	Ud	iPKP1	08 14 54.1 C	"	3	Up iPKP1 04 18 23.8
		De	iPKP1	08 15 04.0			Ud iPKP1 04 18 24.1 C
"	2	✓Up	iP	10 35 51.5			De iPKP1 04 18 34.6 C
			ipP	10 36 43.3	"	3	Ud iP 04 44 45.6
				micr sec			De iP 04 45 04.7
			P	Z' 0.2 1.2	"	3	Sk iPKP1 07 32 42.5
		Ki	iP	10 35 27.2			Um iPKP1 07 32 36.9
			ipP	10 36 17.5			Ud iPKP1 07 32 48.7 C
				micr sec	"	3	Ud iPKP1 08 01 35.3
			P	Z' 0.3 0.9			De iPKP1 08 01 45.8
		Sk	iP	10 35 55.3	"	3	Um i(P) 10 36 31.0
			ipP	10 36 47.2	"	3	Up iPKP1 14 04 09.1
		Um	iP	10 35 36.4			i 14 04 11.0
			ipP	10 36 26.9			i 14 04 20.8
		Ud	iP	10 36 01.6			micr sec
			i	10 36 02.9			PKP1 Z' 0.1 0.7
			ipP	10 36 53.2			i Z' 0.4 0.7
		De	iP	10 36 10.1			(cont.)
			ipP	10 37 02.5			
		Formosa.					
		h = 210 km (Up,Ki,Sk,Um,Ud,De).					
		m = 5.9 (Up,Ki).					
"	2	Ud	iPKP	11 08 24.2			
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976						1976				
June	4	(cont.)				June	4	(cont.)		
		De	iP	00 52 38.9				Sk	iPP	05 50 13.0
		India-Pakistan.						Um	iP	05 46 43.9
		h = 30 km (Up,Ki,Ud).						Ud	iP	05 47 07.8
		M = 5.4 (Up,Ki).							iPP	05 50 26.4
"	4	✓Up	iP	04 34 56.1 C				De	iP	05 47 19.6 C
			ipP	04 35 05.5				Volcano Islands (h = N).		
			iS	04 44 15				m = 6.0 (Up,Ki).		
				micr sec		"	4	De	iP	05 49 15.6
			P	Z' 0.1 0.9						
			pP	Z' 0.2 1.0		"	4	Up	iP	06 33 09.2
			Mx	E 4.5 15				Ud	iP	06 33 16.1
			Mx	N 5.1 19				De	iP	06 32 40.3
			Mx	Z 12 17				Ionian Sea (h = N).		
		Ki	iP	04 34 15.2		"	4	Up	iP	07 53 19.1
			ipP	04 34 24.2				Ki	iP	07 52 58.0
			iS	04 43 03				Ud	iP	07 53 22.2
				micr sec		"	4	Up	iPKP1	10 58 08.0
			P	Z' 0.1 0.7					iPKP2	10 58 12.2
			ipP	Z' 0.1 0.9				Sk	iPKP1	10 57 57.6
			Mx	E 6.7 14				Um	iPKP1	10 57 55.8
			Mx	N 5.6 15				Ud	iPKP1	10 58 09.7
			Mx	Z 7.8 14					iPKP2	10 58 16.0
		Sk	iP	04 34 49.2				De	iPKP1	10 58 18.3
			ipP	04 34 58.5		"	4	Um	iP	11 24 36.4
			iPP	04 37 26.0				Ud	iP	11 24 43.4
		Um	iP	04 34 33.5 C		"	4	Up	iSg1	14 20 11.7
			ipP	04 34 42.5				Ud	iSg1	14 19 13.8
			i	04 34 51.5				Near coast of southwest Norway, 58.4°N, 6.3°E.		
			iS	04 43 30				Origin time = 14 17 06.		
		Ud	iP	04 35 03.3 C				M _L = 2.5 (Ud).		
			ipP	04 35 12.6				By combination with Bergen and Kongsberg readings.		
		De	iP	04 35 18.5						
			ipP	04 35 27.9						
			iPP	04 38 10.3						
		Japan.								
		h = 30 km (Up,Ki,Sk,Um,Ud,De).								
		m = 6.0, M = 6.0 (Up,Ki).								
"	4	Up	iP	05 14 16.2		"	4	De	i(P)	14 21 09.8
		Ki	iP	05 14 52.7					i	14 21 38.4
		Ud	iP	05 14 28.1						
			i	05 14 35.7		"	4	Ud	i(P)	15 06 39.9
		De	iP	05 14 14.3						
		Turkey.				"	4	De	i(P)	16 10 46.2
"	4	✓Up	iP	05 47 01.3 C		"	4	Ud	i(P)	16 28 46.5
			iPP	05 50 19.4					i	16 28 54.8
				micr sec				De	i(P)	16 29 37.7
			P	Z' 0.1 1.2		"	4	Up	iP	18 16 16.9
		Ki	iP	05 56 29.6						
				micr sec		"	4	Ud	iPKP	23 57 42.5
			P	Z' 0.2 1.0					i	23 58 23.8
		Sk	iP	05 46 57.7				Chile (h = 100 km).		
		(cont.)								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
Month	Day	Station	Phase	Time	Time	Time	Time		
June	6	Ki	iP	04 26 08.7	June	6	Up	iP	14 02 29.2
		Ud	iP	04 26 11.8			Ud	iP	14 02 41.9
		Uzbek SSR (h = N).							
"	6	Up	iPKP1	05 49 55.0 C	"	6	Up	iP	14 12 44.0
		Ki	iPKP	05 49 40.4			i		14 12 47.2
		Sk	iPKP1	05 49 48.0			Ki	iP	14 12 05.5
		Um	iPKP1	05 49 42.7			Sk	iP	14 12 38.6
		Ud	iPKP1	05 49 56.2			Um	iP	14 12 22.8
		De	iPKP1	05 50 04.2			i		14 12 25.9
			i	05 50 08.2			Ud	iP	14 12 51.8
		Kermadec Islands (h = 60 km).							
							i		14 12 55.2
							i		14 12 57.5
							De	iP	14 13 09.8
"	6	Ki	iP	07 02 20.8			Japan (h = 70 km).		
		Sk	iP	07 02 32.6			Double P, average separation 3.3 sec.		
"	6	Ki	eP	07 26 53	"	6	Up	iP	14 48 44.7
				micr sec			Sk	iP	14 49 24.5
			P	Z' 0.1 1.5			Ud	iP	14 48 49.0
		Ud	iP	07 28 17.3			De	iP	14 48 14.7
"	6	Up	iPKP1	12 10 25.0			Ionian Sea (h = 45 km).		
			i	12 10 39.0	"	6	Up	iP	17 31 05.3
				micr sec			Ud	iP	17 31 21.8
			PKP1	Z' 0.2 1.0			Afghanistan-USSR (h = 220 km).		
		Ki	iPKP1	12 10 04.1	"	6	Up	iP	17 55 04.9
		Sk	iPKP1	12 10 20.2			iPcP		17 55 26.5
		Um	iPKP	12 10 13.7					micr sec
			iPKP1	12 10 15.1			P	Z'	1.0 1.0
		Ud	iPKP	12 10 20.8			Ki	iP	17 54 11.1
			iPKP1	12 10 27.2			i(PP)		17 56 14.8
		De	iPKP1	12 10 35.2					micr sec
			iPKP2	12 10 50.0			Mx	N	0.9 18
		South of Kermadec Islands (h = 45 km).							
"	6	Um	iP	12 10 03.9			Sk	iP	17 54 45.3
		Japan (h = 15 km).							
		Arrival times from this and the preceding event coincide when measured by the Swedish seismograph station network. Separation of events and phase identification is rather difficult.							
"	6	Up	iPKP1	13 14 05.4 C	"	6	Up	iPKP	21 12 59.2
				micr sec			Ki	ePKP	21 12 43
			PKP1	Z' 0.1 0.8			Sk	iPKP	21 12 55.3
		Ki	iPKP1	13 13 43.7			Um	iPKP	21 12 52.4
		Um	i(PKP)	13 13 52.6			Ud	iPKP	21 13 02.0
			iPKP1	13 13 54.9			New Hebrides Islands (h = 20 km).		
		Ud	iPKP1	13 14 06.6 C			Late arrivals wrt the NEIS solution.		
		De	iPKP1	13 14 15.4 C	"	7	Up	iPKP1	00 16 23.7
		Kermadec Islands (h = N).							
							i		00 16 44.1

(cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

June 7 (cont.)
 Ki iPKP 00 16 07.9
 Sk iPKP1 00 16 19.0
 Um iPKP1 00 16 13.6
 Ud iPKP1 00 16 25.9 C
 South of Kermadec Islands
 (h = 50 km).

" 7 Ki iP 04 04 02.2
 Ud iP 04 04 10.7
 Hindu Kush (h = 230 km).

" 7 Up iP 05 49 03.7
 Ud iP 05 49 05.6

" 7 Up iP 05 59 59.8
 Ki iP 05 59 09.3
 Sk iP 05 59 46.6
 Um iP 05 59 33.7
 Ud iP 06 00 02.7
 i 06 00 05.8
 De iP 06 00 26.4
 Kurile Islands (h = N).

" 7 Ud iP 07 45 56.8
 Vancouver Island (h = 10 km).

" 7 ✓ Up iP 07 49 34.6
 i 07 49 37.0
 iS 08 00 08.0
 micr sec
 P Z' 0.6 1.1
 Mx E 15 22
 Mx N 14 16
 Mx Z 25 18
 Ki iP 07 49 13.9
 i 07 49 17.0
 i 07 49 33.5
 iS 07 59 31
 micr sec
 P Z' 0.1 1.0
 i Z' 1.9 1.6
 Mx E 19 15
 Mx N 33 16
 Mx Z 19 17
 Sk iP 07 49 38.3
 Um iP 07 49 22.2
 i 07 49 25.6
 i 07 49 39.9
 iS 07 59 43
 Ud iP 07 49 42.4
 i 07 49 45.7
 De iP 07 49 52.6
 i 07 50 02.5
 (cont.)

1976

June 7 (cont.)
 Luzon (h = N).
 m = 6.8, M = 6.7 (Up,Ki).
 Double P (Up,Ki,Um,Ud),
 small and large, average
 separation 3 sec.

" 7 Um iPKP 08 09 47.1
 Ud iPKP 08 09 55.0
 New Hebrides Islands
 (h = 20 km).

" 7 Up iP 09 33 47.5
 i 09 34 23.9
 iS 09 44 25
 micr sec
 Mx E 1.2 21
 Mx N 1.6 22
 Mx Z 3.2 16
 Ki iP 09 33 28.6
 iS 09 43 42
 micr sec
 P Z' 0.1 1.4
 Mx E 1.1 13
 Mx N 2.2 15
 Mx Z 1.2 14
 Sk eP 09 33 52
 i 09 34 27.4
 Um iP 09 33 35.9
 ipP 09 33 47.5
 iS 09 43 55
 Ud iP 09 33 57.4
 ipP 09 34 09.3
 Luzon.
 h = 40 km (Um,Ud).
 M = 5.6 (Up,Ki).

" 7 Up iP 10 01 02.2
 Ki iP 10 00 40.6
 Um iP 10 00 47.4
 Ud iP 10 01 10.1
 Luzon (h = N).

" 7 ✓ Up iP 14 39 26.9 C
 i 14 41 43.2
 iPP 14 42 54.9
 iS 14 49 57
 micr sec
 P Z' 0.1 1.0
 PP Z' 5.2 3.5
 Mx E 8.1 23
 Mx N 8.6 20
 Mx Z 19 22
 Ki iP 14 39 10.2
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976				
June	8	De	iPKP	21 30	53.0	June	9	(cont.)
				Solomon Islands (h = N).				m = 6.5, M = 6.2 (Up,Ki).
								Double P, small and large,
								average separation 3.1 sec.
"	8	Up	iP	23 25	11.4	"	9	Up iP 01 30 23.8
				micr sec				Ud iP 01 30 27.9
			Mx	N	1.0 18			De iP 01 30 42.7
			Mx	Z	0.5 18			
		Ki		micr sec				
			Mx	E	0.3 10			" 9 Up iP 03 09 55.4 C
			Mx	N	0.7 16			iPn 03 11 00.7
		Um	iP	23 25	03.2			iPP 03 11 13.6
			i	23 25	12.8			micr sec
		Ud	iP	23 25	23.3			P Z' 0.2 0.9
				Burma-China (h = N).				Ki iP 03 09 38.0 C
				M = 5.1 (Up,Ki).				micr sec
				Late arrivals wrt the				P Z' 0.1 1.0
				NEIS solution.				Sk iP 03 10 10.3 C
"	8	Up	iP	23 39	25.7			Um iP 03 09 39.3 C
		Ud	iP	23 39	28.2			iPP 03 10 53.4
"	9	Up	iP	00 15	37.0			Ud iP 03 10 11.5
"	9	Up	iP	00 31	13.4			De iP 03 10 18.7 C
			i	00 31	16.7			iPP 03 11 46.2
			iS	00 39	55			Kazakh SSR.
				micr sec				m = 5.8 (Up,Ki).
			P	Z'	0.1 0.7			Underground explosion.
			i	Z'	0.3 0.9	"	9	Up iPKP1 10 02 23.4
			Mx	E	2.8 15			Ki i(PKP) 10 02 06.9
			Mx	N	12 17			Ud iPKP1 10 02 24.1
			Mx	Z	6.8 16			De iPKP1 10 02 32.9
		Ki	iP	00 31	02.9	"	9	Up iP 10 07 24.3
			i	00 31	05.9			ipP 10 07 27.6
			iPP	00 33	23.7			i 10 08 12.0
			iS	00 39	33			iS 10 11 23
				micr sec				micr sec
			P	Z'	0.7 1.5			pP Z' 0.1 1.3
			Mx	E	3.7 13			Mx E 2.8 10
			Mx	N	11 16			Mx N 2.7 12
			Mx	Z	3.7 13			Mx Z 4.0 13
		Sk	iP	00 31	27.0			Ki iP 10 08 31.6
			i	00 31	30.0			i 10 17 52.4
			iPP	00 33	50.2			micr sec
		Um	iP	00 31	03.5			Mx E 1.3 10
			i	00 31	07.0			Mx N 0.9 12
			iPP	00 33	23.1			Mx Z 0.9 12
			iS	00 39	32			Sk ipP 10 08 12.3
		Ud	iP	00 31	26.1			Um ipP 10 08 00.6
			i	00 31	29.5			iS 10 12 24
			iPP	00 33	55.2			Ud iP 10 07 36.7
		De	iP	00 31	29.6			De iP 10 07 04.3
			i	00 31	32.2			Turkey (h = 15 km).
				Burma-China (h = N).				M = 5.0 (Up,Ki).
				(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
June	9	Ud	i(P)	11 06 01.2	June	9	Sk	iP	21 06 08.9
"	9	Up	eP	13 16 02	"	9	Up	iP	22 52 47.0
"	9	Up	iP	13 50 32.9			ipP	22 53 02.3	
		Ud	iP	13 51 40.6			Ki	iP	22 52 24.8
"	9	Up	iP	14 39 28.4			Sk	iP	22 52 50.3
		Ki	eP	14 39 18			Um	iP	22 52 33.2
			i	14 39 26.9			Ud	iP	22 52 56.4
		Sk	eP	14 39 41			ipP	22 53 11.8	
			i	14 39 47.5			Formosa.		
		Um	iP	14 39 23.8			h = 55 km (Up,Ud).		
			i	14 39 31.0	"	9	Ud	iP	23 09 22.7
		Ud	iP	14 39 39.5			South Atlantic Ocean (h = N).		
		Banda Sea (h = N).			"	9	Up	iP	23 14 46.0
"	9	Up		micr sec			P	Z'	0.1 1.4
		Mx	E	1.2 21			Ud	iP	23 14 43.0
		Mx	N	1.4 20			South Atlantic Ocean (h = N).		
		Mx	Z	1.6 20	"	10	Up	iPKP1	00 33 54.3
		Ki	iP	14 41 22.0			Sk	iPKP1	00 33 43.6
			i	14 41 25.6			Um	iPKP1	00 33 41.8
				micr sec			Ud	iPKP1	00 33 53.7
		P	Z'	0.1 1.2			De	iPKP1	00 34 04.1
		Mx	E	1.6 21	"	10	Up	iP	03 48 28.8
		Mx	N	1.3 22			Um	iP	03 48 10.3
		Mx	Z	1.3 19			Ud	iP	03 48 36.1
		Sk	iP	14 41 46.0	"	10	Ki	iP	05 07 13.4
		Um	iP	14 41 29.5			Um	iP	05 06 49.3
		Ud	iP	14 41 48.0			Ud	iP	05 06 50.4
		Banda Sea (h = N).					Iran (h = 35 km).		
		M = 5.6 (Up,Ki).			"	10	Up	iP	05 38 55.1
"	9	Up	iPKP	16 49 21.2			Ki	iP	05 38 30.2
		Ki	iPKP	16 49 10.1			Um	iP	05 38 39.4
		Sk	iPKP	16 49 21.3			Ud	iP	05 39 04.9
		Um	iPKP	16 49 15.3			Formosa (h = 130 km).		
		Ud	iPKP	16 49 24.3	"	10	Up	iP	06 00 36.0
		De	iPKP	16 49 29.9				micr sec	
		New Britain (h = 20 km).					Mx	Z	0.5 13
"	9	Up	iP	17 51 07.9			Ki	eP	06 01 44
		Ud	iP	17 51 20.7			Sk	iP	06 01 15.3
		Burma-China (h = N).					Um	i	06 01 25.2
"	9	Up	iLg1	18 55 24.3			Ud	iP	06 00 43.3
		Um	iP	18 52 27.9			De	iP	06 00 10.2
		Ud	iP	18 51 33.1			Crete (h = 90 km).		
			iLg2	18 55 47.5	"	10	Up	iP	10 30 06.1 C
		De	iP	18 50 42.6			ipP	10 30 18.9	
			iS	18 52 25.2			(cont.)		
			iLg2	18 53 53.7					
		Italy (h = 20 km).							

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
June	10	(cont.)		June	11	(cont.)	
		Up	micr sec			De iP	03 52 51.1
		P	Z' 0.2 1.2			Leeward Islands (h = 40 km).	
		Ki iP	10 29 13.3 C	"	11	Up iP	05 16 28.7
		ipP	10 29 25.7			i	05 16 32.0
		P	Z' 0.1 1.0			iPP	05 18 13.3
		Sk iP	10 29 49.8			i	05 18 28.3
		Um iP	10 29 38.3 C				micr sec
		ipP	10 29 50.1			P	Z' 0.1 1.1
		Ud iP	10 30 09.9 C			Mx	E 0.7 8
		ipP	10 30 22.3			Mx	N 1.0 7
		De iP	10 30 30.3			Mx	Z 1.3 7
		ipP	10 30 42.9			Ki iP	05 16 26.8 C
		Off coast of Kamchatka.				i	05 16 29.8
		h = 45 km (Up,Ki,Um,Ud,De).					micr sec
		m = 5.9 (Up,Ki).				P	Z' 0.1 0.6
"	10	De iPKP1	11 28 26.0			Mx	E 1.2 7
		Loyalty Islands (h = N).				Mx	N 1.3 7
"	10	Up iP	13 21 29.4			Mx	Z 1.1 7
		Ud iP	13 22 12.0			Sk eP	05 16 50
		De iP	13 22 41.7			iPP	05 18 36.7
"	10	Up i(P)	14 25 00.1			Um iP	05 16 20.7
"	10	Ud iP	15 12 15.3			i	05 16 24.6
"	10	Ud iP	15 22 03.5			i(PP)	05 17 48.6
"	10	Ud ipP	20 24 50.8			iPP	05 18 00.3
		South Atlantic Ocean (h = N).				iS	05 22 34
"	10	Ud iP	22 17 24.1			Ud iP	05 16 45.3 C
		i	22 17 29.0			i	05 16 48.5
"	11	Sk iP	00 58 12.7			iPP	05 18 25.5
		Um iP	00 58 01.3			De iP	05 16 45.9 C
		Ud iP	00 57 41.8			i	05 16 48.8
		Turkey (h = 30 km).				iPP	05 18 27.5
"	11	Up iP	01 22 43.1			Sinkiang (h = 30 km).	
		Ud iP	01 22 44.7			m = 5.6 (Up,Ki).	
		South Atlantic Ocean (h = N).				Double P, average separation	
		Early arrivals wrt the NEIS				3.3 sec.	
		solution.				The second phase, if	
						interpreted as pP, gives	
						h = 10 km.	
"	11	Up iPKP2	06 11 24.2	"	11	Up iPKP1	06 36 31.0
		Sk ePKP1	06 11 14			Ud iPKP1	06 36 32.3
		Um iPKP1	06 11 08.6			De iPKP1	06 36 41.4
		Ud iPKP1	06 11 22.5				
		De iPKP2	06 11 43.5				
		Kermadec Islands (h = N).					
"	11	Up iP	03 53 03.9	"	11	Up iP	08 24 53.2
		Ki iP	03 53 13.0			Ud iP	08 24 43.8
		Um iP	03 53 12.0				
		Ud iP	03 52 51.9				
		i	03 53 30.3				
		(cont.)					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976								
June	11	Um	iP	10 00	44.8	June	11	(cont.)				
			i	10 00	47.9			Ki	iP	20 04	45.4	
		Ud	iP	10 00	23.0			Sk	iP	20 05	21.1	
		Turkey (h = 20 km).						Um	iP	20 05	05.8	
"	11	Up	iP	10 25	22.8			i		20 05	19.3	
			i	10 25	33.4			Ud	iP	20 05	36.9	
			i	10 25	43.2			Kurile Islands (h = 25 km).				
		Sk	iP	10 25	18.5		"	11	De	iPKP	20 16	23.4
		Um	iP	10 25	12.8			Tonga Islands (h = 35 km).				
		Ud	iP	10 25	23.5		"	12	✓Up	iP	01 04	16.7 C
"	11	Up	iP	13 49	23.0				i		01 04	23.3
		Um	iP	13 49	23.6				iS		01 08	19.0
		Ud	iP	13 49	39.6							micr sec
		Uzbek SSR (h = N).							P	Z'	0.5	0.9
"	11	Up	iPKP	15 45	18.7				i	Z'	0.6	0.8
		Sk	i(PKP)	15 45	09.3				Mx	E	4.5	11
		Um	iPKP	15 45	09.2				Mx	N	23	13
		Ud	iPKP	15 45	18.9				Mx	Z	32	13
		Solomon Islands (h = 50 km).						✓Ki	iP	01 05	29.8 C	
"	11	Up	iP	17 19	58.1				i		01 07	27.7
			iS	17 23	06.9							micr sec
		Ki	iP	17 21	34.3				P	Z'	0.2	1.1
			iLgl	17 28	17.4				Mx	E	8.2	11
									Mx	N	14	13
									Mx	Z	14	13
									Sk	iP	01 04	55.8 C
									Um	iP	01 04	53.7 C
										iS	01 09	25.0
									Ud	iP	01 04	22.5 C
										iS	01 08	31.1
									De	iP	01 03	45.9 C
									Ionian Sea (h = 10 km).			
									m = 6.0, M = 5.9 (Up,Ki).			
"	11	Up	iP	18 30	50.3 C		"	12	Up	iP	02 46	39.8
			i	18 30	54.9				Sk	iP	02 47	19.2
									Um	eP	02 47	22
									Ud	iP	02 46	46.1
										ipP	02 46	54.9
									De	ipP	02 46	15.4
									Ionian Sea (h = 40 km).			
"	11	Up	iP	18 30	50.3 C		"	12	Up	e(PKP)	03 20	49
			i	18 30	54.9				iPKP1		03 20	50.9
									Sk	e(PKP)	03 20	40
									iPKP1		03 20	43.0
									Um	iPKP1	03 20	37.9
									Ud	iPKP1	03 20	52.0
									De	iPKP1	03 21	02.3
									Kermadec Islands (h = 45 km).			
"	11	Up	iP	20 05	30.6		"	12	Up	iPKP1	03 27	50.8
		(cont.)							i		03 28	03.2
									(cont.)			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

June	12	(cont.)					
		Sk	iPKP1	03 27	42.8		
		Um	iPKP1	03 27	39.7		
		Ud	e(PKP)	03 27	46		
			iPKP1	03 27	52.6		
		De	iPKP2	03 28	09.0		
		Kermadec Islands (h = N).					
"	12	Up	iP	03 42	22.6		
			i	03 42	27.2		
					micr sec		
		Mx	Z	0.8	19		
		Ki			micr sec		
			Mx	N	0.7	20	
		Sk	iP	03 42	05.0		
		Ud	iP	03 42	12.9		
		De	iP	03 42	19.1		
		El Salvador (h = 90 km).					
"	12	Up	iP	03 46	39.9		
			i	03 46	46.5		
		Sk	iP	03 47	10.1		
			i	03 47	20.2 C		
		Um	iP	03 47	25.8		
		Ud	iP	03 46	46.0		
			i	03 46	53.0		
		De	iP	03 46	11.0 C		
		Ionian Sea.					
"	12	Up	iP	04 59	45.3		
					micr sec		
			Mx	N	0.5	13	
			Mx	Z	0.8	12	
		Ki	ipP	05 01	09.3		
					micr sec		
			Mx	N	0.3	11	
		Sk	iP	05 00	23.4		
		Um	iP	05 00	23.6		
		Ud	iP	04 59	51.8		
			i	04 59	58.7		
		De	iP	04 59	16.0		
		Ionian Sea (h = 45 km).					
		M = 4.2 (Up,Ki).					
"	12	Ud	iPKP1	05 46	27.0		
		De	iPKP	05 46	37.8		
		Tonga Islands (h = 35 km).					
"	12	Up	iPKP1	06 49	34.8		
		Sk	iPKP1	06 49	27.2		
		Ud	iPKP1	06 49	35.7		
		De	iPKP1	06 49	45.3		
"	12	Up	iPKP1	06 54	00.9		
		(cont.)					

1976

June	12	(cont.)					
		Ud	iPKP1	06 53	59.9		
			i	06 54	07.9		
		De	iPKP1	06 54	15.2		
"	12	Up	iP	10 29	54.6		
		Ki	eP	10 31	10		
		Sk	iP	10 30	34.1		
		Um	iP	10 30	34.1		
		Ud	iP	10 30	01.7		
			i	10 30	10.9		
		De	iP	10 29	25.7		
		Greece (h = N).					
"	12	Up	iP	10 38	25.2		
		Ki	iP	10 37	18.6		
			iS	10 39	18.1		
					micr sec		
			P	Z'	0.1	0.8	
		Sk	iP	10 37	24.8		
			iS	10 39	23.7		
		Um	iP	10 37	53.2		
			iS	10 40	12.0		
			iSS	10 40	44.0		
		Ud	iP	10 38	07.8		
		De	iP	10 38	53.7		
		Jan Mayen Island (h = N).					
"	12	Um	i(P)	14 07	59.4		
"	12	Ud	iP	15 56	18.0		
"	12	Ud	iP	17 06	24.8		
"	12	Up	iP	17 32	32.3		
		Ud	eP	17 32	02		
"	12	Up	iP	23 58	27.4		
		Ud	iP	23 58	05.6		
"	13	Up	iP	00 24	55.6		
		Ki	eP	00 26	09		
		Sk	iP	00 25	35.4		
		Um	iP	00 25	33.2		
		Ud	iP	00 25	02.4 C		
		De	ipP	00 24	36.7		
		Ionian Sea (h = 50 km).					
"	13	Up	iP	04 09	02.4		
		Ki	iP	04 09	24.8		
		Um	iP	04 09	17.9		
		Ud	i	04 08	42.5		
		North Atlantic Ocean (h = N).					

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976									
June	13	Ki	iP	04 34	37.7	June	13	Up	iP	19 17	43.8		
			i	04 34	46.3						micr sec		
									P	Z'	0.1 1.2		
			Mx	E	0.5 15			Ki	iP	19 17	46.8		
			Mx	N	0.3 12						micr sec		
			Mx	Z	0.6 15				P	Z'	0.2 1.5		
		Sk	eP	04 34	25			Sk	iP	19 17	28.4		
		Ud	i	04 35	06.7			Um	iP	19 17	49.4		
		De	iP	04 35	37.6			Ud	iP	19 17	32.0		
		Iceland (h = N).						De	iP	19 17	34.5		
		Mona Passage (h = 50 km).						m = 5.7 (Up,Ki).					
"	13	Um	ipP	05 29	12.7	"	13	Up	iP	21 41	03.3		
		Ud	ipP	05 29	17.4			Ki	iP	21 41	33.6		
		De	iP	05 29	44.3			Um	eP	21 41	13 C		
		Iceland (h = N).						Ud	iP	21 41	15.5		
"	13	Up	iP	11 40	36.8			De	iP	21 41	04.7		
"	13	Ud	iP	11 56	08.8			Iran (h = 50 km).					
"	13	Ud	iP	17 32	12.6	"	13	Up	iSKS	22 27	39		
		De	iP	17 32	24.5 C				iS	22 28	43		
											micr sec		
"	13	Up	iP	18 49	40.7			Mx	N	0.7	20		
			iPP	18 53	41.8			Mx	Z	1.8	22		
								Ki			micr sec		
			PP	Z'	0.1 1.3			Mx	E	0.6	18		
			Mx	E	2.6 22			Mx	N	0.7	20		
			Mx	N	2.1 23			Mx	Z	1.7	22		
			Mx	Z	5.7 22			Um	iSKS	22 27	35		
		✓ Ki	iP	18 49	25.3				iS	22 28	59		
								Peru (h = N).					
			P	Z'	0.1 1.2			M = 5.3 (Up,Ki).					
			Mx	E	3.3 20			"	14	Um	iP	04 48 32.0	
			Mx	N	1.8 20			Mona Passage (h = 15 km).					
			Mx	Z	1.6 18			"	14	Up	iP	06 57 27.4	
		Sk	iP	18 49	47.2						ipP	06 57 32.4	
		Um	iP	18 49	29.8 C						iPP	06 57 50.0	
			i	18 49	47.9							micr sec	
			iPP	18 53	14.4						pP	Z' 0.2 1.5	
			iSKS	19 00	05						Mx	E 0.6 10	
			iS	19 00	41						Mx	N 0.4 11	
		Ud	iP	18 49	49.5 C						Mx	Z 0.7 11	
			i	18 49	53.6						Ki	iP	06 58 35.2
		De	iP	18 49	54.3								micr sec
		Molucca Sea (h = N).									P	Z' 0.1 1.0	
		M = 5.8 (Up,Ki).									Mx	E 0.5 11	
"	13	Ki	eP	19 01	37						Mx	N 0.5 11	
		Sk	iP	19 01	53						Mx	Z 0.6 12	
		Um	iP	19 01	40.3						Sk	i	06 58 14.3
		Ud	iP	19 01	57.2						Um	iP	06 58 00.5
		Molucca Sea (h = 30 km).									Ud	iP	06 57 38.5
											i	06 57 41.4	
											(cont.)		

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
June	14	(cont.)		June	14	(cont.)	
		Ud	ipP 06 57 45.5			Up	i 20 25 21.3
		De	iP 06 57 07.2			Ki	iP 20 24 04.4
		Turkey.				Sk	iP 20 24 41.1
		h = 25 km (Up,Ud).				Um	iP 20 24 28.4
		m = 5.5, M = 4.4 (Up,Ki).					i 20 24 41.0
"	14	Up	i(P) 10 33 37.2			Ud	iP 20 25 02.5
"	14	Ki	iP 11 16 10.6			De	iP 20 25 23.0
"	14	Up	iP 11 19 22.6			Kamchatka (h = N).	
		Ud	iP 11 19 38.2	"	14	Ki	iP 23 18 41.7
"	14	Ud	iP 14 29 01.0			Um	iP 23 18 35.3
"	14	Um	i 14 48 47.4			Ud	iP 23 18 56.5
		Ud	iPKP1 14 48 39.5			Tadzhik-Sinkiang (h = 60 km).	
		De	iPKP1 14 48 51.9	"	14	Ki	iP 23 59 40.6
"	14	Ki	iP 17 08 20.4			Tadzhik-Sinkiang (h = N).	
		Ud	iP 17 08 34.3	"	15	Up	iP 00 13 24.9
		Tadzhik-Sinkiang (h = 45 km).				Ki	eP 00 14 33
"	14	Up	iPKP1 17 22 18.7			Ud	iP 00 13 33.7
		Ud	iPKP1 17 22 20.8 C			De	iP 00 12 58.3
		De	iPKP1 17 22 31.1			Crete (h = N).	
"	14	Ki	iP 17 22 01.0	"	15	Up	iP 06 22 55.8
		Um	iP 17 22 28.8			ipP	06 23 08.0
		Aleutian Islands (h = 50 km).				i(PP)	06 26 19.3
"	14	Up	iP 18 12 37.3			iPP	06 27 06.2
		ipP	18 12 39.7			iS	06 34 35
			micr sec				micr sec
		pP	Z' 0.1 1.0			pP	Z' 0.1 1.1
		Mx	N 1.0 18			Mx	E 11 21
		Mx	Z 2.0 17			Mx	N 27 24
		Ki	iP 18 11 43.9 C			Mx	Z 20 21
			micr sec			∇ Ki	iP 06 22 35.9
		P	Z' 0.1 1.0			ipP	06 22 47.4
		Mx	E 1.0 16			i(PP)	06 26 29.6
		Mx	N 1.0 16				micr sec
		Mx	Z 1.2 16			pP	Z' 0.1 1.5
		Sk	iP 18 12 15.4			Mx	E 12 23
		Um	iP 18 12 10.5			Mx	N 22 23
		ipP	18 12 12.8			Mx	Z 12 22
		Ud	iP 18 12 35.7			Sk	eP 06 22 52
		De	iP 18 12 59.4			iPP	06 27 16.9
		Aleutian Islands.				Um	i(P) 06 22 42.4
		h = 10 km (Up,Um).				i	06 22 53.4
		m = 6.0, M = 5.1 (Up,Ki).				iS	06 34 11
"	14	Up	iP 20 24 58.3			Ud	iP 06 23 03.2
		(cont.)				ipP	06 23 15.1
						De	iPP 06 28 40.2
						West Irian.	
						h = 40 km (Up,Ki,Ud).	
						m = 6.2, M = 6.7 (Up,Ki).	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
Month	Day	Station	Time	Month	Day	Station	Time
June	15	Up	iP 07 20 15.6	June	15	(cont.)	
		Ud	iP 07 20 15.6			Up	micr sec
		Aleutian Islands (h = 45 km).				Mx	N 0.6 18
"	15	Up	iP 12 34 21.6			Ki	iP 22 47 10.7 C
			micr sec				ipP 22 47 17.5
			P Z' 0.1 0.8				micr sec
		Ki	iP 12 33 27.3			P	Z' 0.1 1.0
		Sk	iP 12 34 04.7			Mx	E 1.2 12
		Um	iP 12 33 53.4			Mx	N 1.7 15
		Ud	iP 12 34 25.6 C			Mx	Z 1.0 14
		De	iP 12 34 47.3			Sk	iP 22 47 44.3
		Kamchatka (h = 30 km).					ipP 22 47 51.3
						Um	iP 22 47 27.2
							ipP 22 47 34.2
"	15	Up	iP 12 51 48.9			Ud	iP 22 47 56.2 C
		Ki	eP 12 52 58				ipP 22 48 03.2
		Sk	iP 12 52 28.3			De	iP 22 48 11.3
		Um	iP 12 52 22.6			Japan.	
			i 12 52 39.0			h = 25 km (Up,Ki,Sk,Um,Ud).	
		Ud	iP 12 51 55.4 C			m = 5.9, M = 5.3 (Up,Ki).	
		De	iP 12 51 19.2				
		Ionian Sea (h = 40 km).		"	15	Up	ip2 23 45 21.3
"	15	Up	ipKP1 16 29 15.0				iS 23 54 05
			micr sec				micr sec
			PKP1 Z' 0.1 0.7			P2	Z' 0.1 1.0
		Sk	ipKP1 16 29 07.3			Mx	E 1.5 16
		Um	i(PKP) 16 29 02.2			Mx	N 2.2 20
			ipKP1 16 29 04.5			Mx	Z 4.7 23
		Ud	ipKP1 16 29 16.6			Ki	ip1 23 46 03.3
		De	ipKP1 16 29 26.0				ip2 23 46 07.4
		Kermadec Islands (h = 190 km).					iS 23 55 32
							micr sec
"	15	Ki	iP 18 28 25.8			P2	Z' 0.1 0.1
			i 18 28 33.7			Mx	E 3.3 15
		Um	iP 18 28 25.5			Mx	N 2.6 18
			i 18 28 31.9			Mx	Z 1.5 16
		Ud	iP 18 28 55.4			Sk	ip2 23 45 34.4
		Luzon (h = 20 km).				Um	ip1 23 45 43.7
"	15	Ki	iP 19 32 25.9				ip2 23 45 47.6
		Um	iP 19 32 37.9				ipP2 23 45 55.4
		Mariana Islands (h = N).					iS 23 54 52
"	15	Ki	iP 20 44 52.3 D			Ud	ip1 23 45 12.1
		Sk	eP 20 45 26				ip2 23 45 16.1
		Um	iP 20 45 09.0 D				ipP2 23 45 24.0
		Japan (h = 35 km).				De	ipP2 23 45 05.9
"	15	Up	ip 22 47 48.7			North of Ascension Island.	
			ipP 22 47 56.1			h = 25 km (Um,Ud).	
			micr sec			m = 5.9, M = 5.6 (Up,Ki).	
			P Z' 0.1 1.0			Interpreted as double P, small	
			pP Z' 0.2 1.2			and large, average separation	
			Mx E 0.6 17			3.9 sec.	
		(cont.)		"	16	Ki	ip 00 16 06.7
						Sk	ip 00 16 40.8
						Um	ip 00 16 23.6
						Japan (h = 35 km).	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

June 19 (cont.)
 Ud iP 15 13 40.1
 iPP 15 17 07.6
 De iP 15 13 25.5
 i 15 13 33.2
 Mascarene Islands (h = N).
 M = 5.9 (Up,Ki).
 Late arrivals wrt the NEIS
 solution.

" 19 Up iP 15 42 02.0
 De iP 15 41 59.7

" 19 Up iP 20 57 35.5

" 19 Up iPKP 22 19 38.5
 Ud iPKP 22 19 37.5

" 20 Ud iP 01 21 29.1

" 20 Up iP 02 43 43.8
 Ki eP 02 43 33
 Um iP 02 43 35.2
 Ud iP 02 43 55.5
 Burma-China (h = 15 km).

" 20 Up iP 02 52 45.4
 Sk iP 02 53 24.6
 Um iP 02 53 27.9
 Ud iP 02 52 54.6
 De iP 02 52 13.5
 Ionian Sea (h = 70 km).

" 20 / Up iP 04 50 00.7 C
 i 04 50 15.5
 iS 04 59 47
 micr sec
 P Z' 0.3 0.8
 i Z' 2.8 1.9
 Mx E 3.6 16
 Mx N 8.4 17
 Mx Z 9.2 16
 Ki iP 04 49 34.0 C
 i 04 49 46.6
 iS 04 58 58
 micr sec
 P Z' 0.3 0.9
 i Z' 1.4 2.0
 Mx E 5.3 18
 Mx N 7.8 20
 Mx Z 8.5 19
 Sk iP 04 50 02.7 C
 i 04 50 16.9
 Um iP 04 49 44.0 C
 i 04 49 57.5
 (cont.)

1976

June 20 (cont.)
 Um iS 04 59 17
 Ud iP 04 50 09.5 C
 i 04 50 24.2
 De iP 04 50 19.5
 i 04 50 33.8
 Ryukyu Islands.
 h = 50 km (Up,Ki,Sk,Um,Ud,De).
 m = 6.8, M = 6.1 (Up,Ki).

" 20 Up iP 04 56 01.8
 micr sec
 P Z' 0.1 1.0
 Ki iP 04 57 15.3
 Sk iP 04 56 43.5
 Um iP 04 56 39.0 C
 Ud iP 04 56 10.1
 i 04 56 29.8
 De iP 04 55 34.2
 Greece (h = 50 km).

" 20 Up iPKP1 09 27 28.3
 Ud iPKP1 09 27 29.7
 De iPKP1 09 27 43.2

" 20 Ki iP 09 57 33.1
 Ud iP 09 58 12.7
 Ryukyu Islands (h = N).

" 20 Up iP 15 40 13.1
 Um iP 15 40 09.0
 Ud iP 15 40 32.2

" 20 / Up iP 21 05 27.6 C
 i 21 05 32.3
 i 21 07 37.2
 iS 21 15 32.5
 iP'P' 21 32 14.6
 micr sec
 P Z' 0.4 1.3
 i Z' 3.8 1.5
 Mx E 36 25
 Mx N 139 27
 Mx Z 50 18
 Ki iP 21 05 28.6
 i 21 05 33.4
 iS 21 15 36.2
 iP'P' 21 32 08.4
 micr sec
 P Z' 0.2 1.1
 i Z' 7.0 1.9
 Mx E 52 18
 Mx N 85 22
 Mx Z 73 18
 Sk iP 21 05 42.3
 (cont.)

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976			
June	20	(cont.)		June	20	(cont.)	
		Ki	micr sec			Sk	iP 23 41 06.1
		Mx	N 1.3 19			ipP	23 41 09.8
		Mx	Z 2.4 20			iPP	23 42 37.0
		Sk	iP 22 53 18.5			Um	iP 23 40 37.3
		Um	iP 22 52 59.2			ipP	23 40 41.1
		Ud	iP 22 53 14.6			iPn	23 41 37.6
		De	iP 22 53 12.8			Ud	iP 23 40 53.6
		Sumatra (h = N).				ipP	23 40 58.3
		M = 5.6 (Up,Ki).				iPn	23 42 06.1
"	20	Ki	iP 23 06 36.1			De	iP 23 40 48.8
		Ud	iP 23 06 45.8			ipP	23 40 53.3
		Probably Sumatra.				iPP	23 42 08.0
"	20	Up	iP 23 23 57.9			Uzbek SSR.	
		Ki	iP 23 23 58.5			h = 15 km (Up,Ki,Sk,Um,Ud,De).	
		Sk	iP 23 24 13.4			m = 5.8, M = 5.0 (Up,Ki).	
		Um	iP 23 23 54.3	"	21	Up	iP 00 07 14.2
		Ud	iP 23 24 08.7			Ki	iP 00 07 14.9
		Sumatra.				Um	iP 00 07 11.1 C
		Origin time = 23 11 44.				Ud	iP 00 07 25.4
"	20	Um	iP 23 30 14.3			De	iP 00 07 22.7
		Ud	iP 23 30 23.9			Sumatra (h = N).	
"	20	Up	iP 23 30 37.8	"	21	Ki	iP 00 33 43.7
		Ki	iP 23 30 38.8 C			Um	iP 00 33 40.1
		Um	iP 23 30 33.8 C			Ud	iP 00 33 53.0
		Ud	iP 23 30 46.3	"	21	Ud	iP 01 01 10.3
		De	iP 23 30 53.1	"	21	Ki	iP 01 35 52.3
		Sumatra.				Um	iP 01 35 46.9
		Origin time = 23 18 24.				Ud	i 01 36 18.0
"	20	Up	iP 23 40 36.3			Sinkiang, China (h = 45 km).	
		ipP	23 40 40.9	"	21	Um	iP 01 40 13.9
		i	23 41 31.0	"	21	Up	iP 04 55 03.8 C
		i(PP)	23 41 44.3			ipP	04 55 12.1
		iPP	23 41 59.3				micr sec
			micr sec				micr sec
		pP	Z' 0.1 0.9			Ki	p Z' 0.1 1.1
		Mx	E 0.9 12			ipP	04 55 05.0 C
		Mx	N 1.5 14			ipP	04 55 13.2
		Mx	Z 1.6 11				micr sec
		Ki	iP 23 40 51.3			P	Z' 0.2 1.7
		ipP	23 40 54.9			Sk	iP 04 55 19.0
		i	23 41 47.1			Um	iP 04 55 01.1
		iPn	23 42 03.8			ipP	04 55 09.4
		i	23 48 27.5			Ud	iP 04 55 14.8 C
			micr sec			ipP	04 55 23.0
		pP	Z' 0.1 0.6			De	iP 04 55 12.4 C
		Mx	E 1.7 12			ipP	04 55 20.9
		Mx	N 0.8 11			Sumatra.	
		Mx	Z 1.8 12			h = 25 km (Up,Ki,Um,Ud,De).	
		(cont.)				m = 5.8 (Up,Ki).	

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

June	22	(cont.)				
		Ki	iP	12	11	21.4
			iS	12	21	31
				micr sec		
			P	Z'	0.1	1.4
			Mx	E	0.7	20
			Mx	N	1.3	22
			Mx	Z	1.0	20
		Sk	iP	12	11	35.2
		Um	iP	12	11	16.5
			iS	12	21	21
		Ud	iP	12	11	29.3
		De	iP	12	11	28.6
		Sumatra (h = N).				
		m = 5.7, M = 5.2 (Up,Ki).				
"	22	Up	iP	14	10	11.2
		Ud	iP	14	10	16.6
		Mariana Islands (h = 490 km).				
		Early arrivals wrt the NEIS solution.				
"	22	Up	iPKP1	14	36	12.3
				micr sec		
			PKP1	Z'	0.1	1.3
		Sk	iPKP1	14	36	04.3
		Um	iPKP1	14	35	59.7
		Ud	iPKP1	14	36	13.6 C
		De	iPKP1	14	36	21.5
"	22	Up	ipP	15	36	18.1
		Ki	iP	15	36	09.5
		Um	ipP	15	36	14.0
		Ud	ipP	15	36	27.1
		De	ipP	15	36	26.1
		Sumatra (h = N).				
"	22	Up	iP	18	38	06.0
		Ki	iP	18	38	11.0
		Um	iP	18	38	06.0
		Ud	iP	18	38	21.1
		De	iP	18	38	17.4
		Sumatra (h = N).				
"	22	Up	iP	18	42	25.1
		Ki	iP	18	42	26.0
		Sk	iP	18	42	39.7
		Um	iP	18	42	22.6
		Ud	iP	18	42	35.9 C
		De	iP	18	42	33.5
		Sumatra.				
		Origin time = 18 30 13.				
"	22	Up	ipP	19	40	32.6
		Ki	iP	19	40	27.0 C
		(cont.)				

1976

June	22	(cont.)				
		Um	ipP	19	40	30.8
		Ud	ipP	19	40	44.2
		Sumatra (h = N).				
"	22	Up	iPKP1	20	21	13.3
		Um	iPKP1	20	20	58.5
		Ud	iPKP1	20	21	11.8
		De	i	20	21	26.0
"	22	Ki	i	21	58	15.2
		Sk	iP	21	58	00.4
			i	21	58	12.7
		Um	iP	21	58	14.7
			i	21	58	26.2
		Mexico (h = 90 km).				
"	22	Up	iP	22	49	34.7
			i	22	49	41.1
		Ki	iP	22	49	40.7
		Sk	iP	22	49	47.2
		Um	iP	22	49	36.7
		Ud	iP	22	49	49.9
		De	iP	22	49	48.3
		Sumatra (h = N).				
		Early arrivals (Up,Sk) wrt the NEIS solution.				
"	23	Ki	iP	01	20	11.4
		Um	iP	01	20	08.0
		Ud	iP	01	20	21.8
		De	iP	01	20	18.9
		Sumatra (h = N).				
"	23	Um	iP	02	40	25.8
		Ud	iP	02	40	40.0
"	23	Ki	iP	04	40	04.8
		Sk	iP	04	40	15.9
		Um	iP	04	40	40.4
		Ud	iP	04	41	02.6
		Jan Mayen (h = N).				
"	23	Up	iP	04	59	06.9
		Ki	iP	04	58	41.6
		Sk	iP	04	59	10.1
		Ud	iP	04	59	16.1
		Ryukyu Islands (h = 40 km).				
"	23	Up	iP	06	12	24.2
"	23	Up	iP	08	36	12.1
			i	08	36	13.9
		Ki	i(P)	08	36	35.3
			iP	08	36	44.1
		(cont.)				

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976

June 23 (cont.)
 Sk iP 08 36 42.4
 i 08 36 44.8
 Um iP 08 36 23.8
 i 08 36 26.4
 Ud iP 08 36 23.8
 De iP 08 36 08.1
 Arabian Sea (h = N).
 Double P (Up,Sk,Um), average
 separation = 2.3 sec.

" 23 Ud iP 09 21 33.2
 De iP 09 21 28.0
 Sumatra (h = 90 km).

" 23 Up iP 09 27 28.6
 Ki iP 09 27 29.8
 Sk iP 09 27 43.8
 Um iP 09 27 25.5
 Ud iP 09 27 39.2
 De iP 09 27 37.2
 Sumatra (h = N).

" 23 Up iP 09 56 17.7
 Um iP 09 56 18.1
 Ud iP 09 56 34.5
 De iP 09 56 30.2
 Uzbek SSR (h = N).

" 23 Up Mx N 0.8 22
 Mx Z 1.5 22
 Ki iP 11 02 35.8
 Mx Z 0.9 20
 Um iP 11 02 40.7
 i 11 02 49.9
 Ud iP 11 03 00.9
 West Irian (h = N).

" 23 Up iP 14 03 52.1
 ipP 14 04 04.2
 i(PP) 14 07 39.9
 iPP 14 08 07.0
 iS 14 15 29
 micr sec
 P Z' 0.1 1.0
 Mx E 3.6 19
 Mx N 3.0 21
 Mx Z 7.5 22
 Ki iP 14 03 31.6
 ipP 14 03 43.6
 i 14 07 05.7
 (cont.)

1976

June 23 (cont.)
 Ki micr sec
 P Z' 0.2 1.5
 Mx E 2.9 21
 Mx N 2.6 22
 Mx Z 3.1 21
 Sk iP 14 03 54.3
 iPP 14 08 12.8
 Um iP 14 03 39.7
 ipP 14 03 50.9
 Ud iP 14 04 00.0
 i 14 07 14.6
 De iP 14 04 06.8
 iPP 14 08 31.0

West Irian.
 h = 40 km (Up,Ki,Um).
 m = 6.4, M = 5.9 (Up,Ki).

" 23 Up iP 15 49 01.5
 ipP 15 49 15.3
 micr sec
 Mx Z 0.8 20
 Ki iP 15 49 00.6
 Sk iP 15 49 19.9 C
 ipP 15 49 34.2
 Um iP 15 48 57.0 C
 ipP 15 49 11.1
 Ud iP 15 49 15.4 C
 ipP 15 49 29.2
 De iP 15 49 13.6

India.
 h = 50 km (Up,Sk,Um,Ud).

" 23 Ki iPgl 16 00 16.8
 i 16 00 23.8
 iSn 16 00 40.8
 iSgl 16 00 49.9
 Um iSn 16 02 09.3
 iSgl 16 02 47.3

Off coast of north Norway,
 70.0°N, 17.0°E.

Origin time = 15 59 32.

$M_L = 2.8$ (Ki,Um).

Checked with Finnish station
 readings.

" 23 Up eP 19 34 24
 Ki iP 19 34 02.5
 Sk eP 19 34 25
 Ud eP 19 34 33
 De i 19 34 56.0
 Luzon (h = N).

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976						
June	23	Up	i	19 47 10.2	June	24	Um	iPKP	09 53 24.1	
		Ki	i	19 47 10.2			Solomon Islands (h = 35 km).			
		Ud	iP	19 47 13.5		"	24	Up	iP	13 56 56.2
			i	19 47 23.3				Ki	iP	13 56 10.0
		De	iP	19 47 10.3				Um	iP	13 56 30.9
		Sumatra (h = N).						Ud	iP	13 57 02.4 C
"	23	Ki	iSgl	20 58 00.3				De	iP	13 57 17.8
		Kurile Islands (h = N).				"	24	Up	iP	18 14 19.1
"	23	Up	iPKP	21 02 03.2				ipP	18 14 26.1	
			i	21 02 07.2			Ki	iP	18 14 19.9	
			i	21 02 23.7				ipP	18 14 27.6	
		Ki	iPKP	21 02 19.8			Um	iP	18 14 16.1	
			iSKPl	21 05 39.0				ipP	18 14 23.7	
		Sk	e	21 02 17			Ud	iP	18 14 29.2	
		Um	iPKP	21 02 10.6				ipP	18 14 36.8	
			i	21 02 30.2			De	iP	18 14 26.3	
			iSKPl	21 05 23.6				ipP	18 14 34.1	
		Ud	iPKP	21 02 01.8			Sumatra.			
		De	i	21 01 59.4			h = 25 km (Up,Ki,Um,Ud,De).			
		South Sandwich Islands (h = 60 km).				"	25	Up	iP	02 48 38.0
"	23	Up	i(P)	21 55 56.8				Ud	iP	02 48 44.0
"	24	Up	iP	06 11 46.2		"	25	Up	iP	07 06 28.6
			iS	06 21 56				iS	07 10 51	
				micr sec					micr sec	
		Mx	E	0.8 20				P	Z' 0.1 1.1	
		Mx	N	0.6 18				Mx	E 0.7 12	
		Mx	Z	1.0 19				Mx	N 1.9 12	
		Ki	iP	06 11 48.7				Mx	Z 2.6 11	
			iS	06 22 02			Ki	iP	07 07 38.7	
				micr sec					micr sec	
			P	Z' 0.1 1.0				P	Z' 0.1 0.9	
			Mx	E 1.1 20				Mx	E 1.5 12	
			Mx	N 1.2 18				Mx	N 2.3 13	
			Mx	Z 1.3 19				Mx	Z 2.2 13	
		Sk	i	06 12 04.7			Sk	iP	07 07 07.7	
		Um	iP	06 11 45.0			Um	iP	07 07 02.7	
			iS	06 21 51				iS	07 11 51	
		Ud	iP	06 11 58.2			Ud	iP	07 06 36.0	
			i	06 12 00.3			De	iP	07 06 01.7	
		De	iP	06 11 55.4				iS	07 10 08.4	
		Sumatra (h = N).					Crete (h = N).			
		M = 5.3 (Up,Ki).					m = 5.5, M = 5.0 (Up,Ki).			
"	24	Up	iP	08 33 58.1		"	25	Up	iP	07 59 00.5 D
			i	08 34 14.8				i	07 59 19.9	
		Ki	iP	08 33 58.1				iS	08 08 15.2	
		Sk	iP	08 34 14.7					micr sec	
		Um	iP	08 33 55.0				P	Z' 0.3 0.6	
		Ud	iP	08 34 07.9			Ki	iP	07 58 27.1	
		De	iP	08 34 06.6			(cont.)			
		Sumatra (h = 45 km).								

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976				1976					
June	25	(cont.)		June	25	(cont.)			
		Ki	iS	08 07 14		Up	i	19 33 29.8	
				micr sec			iPKP	19 37 21.8	
			P	Z' 0.2 0.9			iSKS	19 44 13	
		Sk	iP	07 58 57.1 D			iPKKP	19 48 35.1	
		Um	iP	07 58 41.3 D				micr sec	
			i	07 59 04.1			Pdiff	Z' 0.2 1.6	
			iPP	08 01 35.6			Mx	E 60 20	
			iS	08 07 39.8			Mx	N 71 19	
		Ud	iP	08 59 07.6 D			Mx	Z 159 20	
			i	07 59 29.4		Ki	iPdiff	19 33 01.8	
			iS	08 08 29.6			i	19 33 16.7	
		De	iS	08 08 53.3			iPKP	19 37 16.1	
		Japan (h = 430 km).					iSKS	19 44 01	
		m = 5.9 (Up,Ki).					iPS	19 46 40.6	
							iPKKP	19 48.42.5	
"	25	Um	eP	09 41 20				micr sec	
		Ud	eP	09 42 02			Pdiff	Z' 0.4 1.6	
		De	iP	09 42 32.7			Mx	E 61 20	
							Mx	N 81 20	
"	25	Ud	iP	11 43 05.7			Mx	Z 101 20	
		Uzbek SSR (h = N).			Sk	iPdiff	19 33 26.2		
						i	19 33 42.4		
"	25	Up	iP	12 16 47.9			i(PKP)	19 37 14.8	
		Ki	iP	12 16 45.0			eSKKS	19 56 29	
				micr sec	Um	iPdiff	19 33 09.6		
			P	Z' 0.1 1.0		i	19 33 16.5		
		Sk	iP	12 17 09.1			iPKP	19 37 17.9	
		Um	iP	12 16 40.3 C			iPP	19 38 02.0	
		Ud	iP	12 17 04.1 C			iPS	19 46 46.4	
		De	iP	12 17 04.6	Ud	iPdiff	19 33 30.5		
		Kirgiz-Sinkiang (h = N).				i	19 37 41.4		
"	25	Ud	iP	12 47 49.6			iPP	19 38 25.1	
							iSKKS	19 56 18.6	
"	25	Up	iRg	15 10 13.9	De	iPdiff	19 33 38.8		
		Ud	iRg	15 10 25.8		i	19 33 56.9		
		East-central Sweden.				i(PKP)	19 37 25.4		
		Near-surface event.				iPP	19 38 41.4		
						i	19 44 32.4		
"	25	Up	iRg	15 17 59.1			iPKKP	19 48 23.4	
		Ud	iRg	15 18 11.0			West Irian (h = N).		
		East-central Sweden.				m = 7.1, M = 7.3 (Up,Ki).			
		Near-surface event.			"	25	Up	iPKP	19 51 00.9
							Ud	iPKP	19 51 03.9
"	25	Up	iRg	15 41 23.1			De	iPKP	19 51 07.6
		Ud	iRg	15 41 35.1			West Irian (h = N).		
		East-central Sweden.			"	25	Up	iP	20 02 09.8
		Near-surface event.					Ud	iP	20 02 11.9
"	25	Ud	iP	15 52 57.2					
		Andaman Islands (h = N).			"	25	Um	iP	21 44 20.7
							Ud	iP	21 43 47.5
"	√25	Up	iPdiff	19 33 23.1					
		(cont.)			"	25	Ud	iP	23 40 45.0

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
June	26				June	26	(cont.)		
		Up	iPKP	02 20 21.5			Ki	iP	10 44 06.8
			iSKP1	02 23 25.9			i	10 44 11.0	
		Ki	iPKP	02 20 08.8 C			iPP	10 47 45.1	
		Sk	iPKP	02 20 19.5			i	10 51 12.5	
		Um	iPKP	02 20 14.7 C			iSKS	10 54 35	
		Ud	iPKP	02 20 24.9			iS	10 55 13	
			iSKP1	02 23 28.6				micr sec	
		De	iPKP	02 20 31.0 C			P	Z' 0.7 1.4	
			iSKP1	02 23 40.9			Mx	E 22 20	
		New Hebrides Islands					Mx	N 15 19	
		(h = 210 km).					Mx	Z 21 19	
"	26	Up	iP	03 10 57.9		Sk	iP	10 44 28.4	
				micr sec			i	10 44 31.9	
		Mx	N	1.0 18			iPP	10 48 25.3	
		Mx	Z	1.0 19		Um	iP	10 44 12.2	
		Ki	iP	03 10 40.2			i	10 44 16.0	
				micr sec			iSKS	10 54 49	
		Mx	E	0.7 20			iS	10 55 22	
		Mx	N	1.3 22		Ud	iP	10 44 31.7	
		Mx	Z	1.4 20			i	10 44 34.8	
		Sk	i	03 11 04.9			i	10 44 41.3	
		Um	iP	03 10 44.9			iPP	10 48 34.4	
			iSKS	03 21 19		De	iP	10 44 37.1	
			iS	03 21 55			i	10 44 40.9	
		Ud	iP	03 11 04.9		Talaud Islands (h = N).			
		De	iP	03 11 12.4		m = 6.8, M = 6.7 (Up,Ki).			
		Talaud Islands (h = 35 km).				Double P, small and large,			
		M = 5.4 (Up,Ki).				average separation 3.7 sec.			
"	26	Ud	iP	05 58 38.6		The second onset when			
"	26	Ud	iP	06 11 00.2		interpreted as pP, gives a			
						focal depth of h = 10 km			
						(Ki,Sk,Um,Ud,De).			
"	26	Up	iP	07 18 15.8	"	26	Ud	iP	11 07 08.9
			i	07 18 18.2					
		Ki	iP	07 18 00.0	"	26	Up	iP	11 11 37.8
		Sk	eP	07 18 20			Ki	iP	11 11 30.4
		Um	iP	07 18 04.9			Um	iP	11 11 33.2
		Ud	iP	07 18 25.3			Ud	iP	11 11 57.4
		De	iP	07 18 30.4	"	26	Up	iP	11 17 07.5
		Talaud Islands (h = 20 km).						i	11 20 20.3
"	26	Ud	iP	08 35 52.8			iLg2	11 21 18.3	
"	26	Ud	iP	09 29 38.0		Ki	iP	11 18 42.3	
"	26	Up	iP	10 44 23.4		Sk	iP	11 17 47.8	
			iSKS	10 55 01		Um	iP	11 17 59.4	
			iS	10 55 41			iLg1	11 23 18.6	
				micr sec		Ud	iP	11 17 05.4	
		P	Z'	0.3 1.3			i	11 19 46.1	
		Mx	E	8.3 19			i	11 20 30.4	
		Mx	N	27 22		De	iP	11 16 13.9	
		Mx	Z	18 20			i	11 18 07.2	
		(cont.)					iLg2	11 19 20.0	
						Austria (h = N).			

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976					1976				
June	26	Ud	iP	13 00 19.4	June	27	Ki	iP	18 14 33.8
"	26	Up	iP	19 52 21.5			Um	i	18 14 34.6
"	26	Ud	iP	19 52 30.3			Ud	iP	18 14 44.2
"	27	Up	i(PKP)	01 32 24.2			De	iP	18 14 40.9
"	27	Ki	i(PKP)	01 32 09.7	"	27	Sumatra (h = 170 km).		
"	27		iPKP	01 32 19.8	"	27	Up	i	19 31 41.4
"	27	Sk	i(PKP)	01 32 19.5				micr sec	
"	27		iPKP	01 32 29.5			Mx	E	0.8 20
"	27	Um	i(PKP)	01 32 15.2			Mx	N	0.7 20
"	27		iPKP	01 32 26.9			Mx	Z	1.5 19
"	27		iSKP1	01 35 03.6			Ki	iPdiff	19 26 34.9
"	27	Ud	i(PKP)	01 32 25.3				iPKP	19 30 48.4
"	27		iPKP	01 32 37.2			Um	iPdiff	19 26 42.3
"	27	De	iPKP1	01 32 35.0			Ud	iPdiff	19 27 04.3
"	27	Fiji Islands (h = 580 km).						i	19 31 06.1
"	27	Ki	iP	02 07 11.2			De	iPKP	19 31 01.7
"	27	Ud	iP	02 07 21.7	"	27	West Irian (h = N).		
"	27	De	iP	02 07 18.9	"	27	Up	iPKP1	20 23 14.3 C
"	27	Off coast of northern Sumatra (h = N).						iPKP2	20 23 18.7
"	27	Um	iP	05 00 14.5				i	20 23 26.2
"	27	Ud	iP	05 00 46.3				ipPKP1	20 23 36.0
"	27	Up	iPKP2	09 21 11.1 C				micr sec	
"	27	Sk	iPKP1	09 21 02.7				PKP2	Z' 0.1 1.0
"	27	Um	iPKP1	09 20 56.1 C				i	Z' 0.1 0.9
"	27	Ud	iPKP1	09 21 08.8				pPKP1	Z' 0.1 0.9
"	27		iPKP2	09 21 14.5			Ki	ePKP1	20 22 53
"	27	De	iPKP1	09 21 18.4				ipPKP1	20 23 12.4
"	27	Kermadec Islands (h = N).					Sk	iPKP1	20 23 07.8 C
"	27	Ki	iP	09 34 30.7 C				i	20 23 19.1
"	27	Um	iP	09 34 06.6 C				ipPKP1	20 23 29.1
"	27	Ud	iP	09 34 08.1 C			Um	iPKP1	20 23 02.7 C
"	27	De	iP	09 33 50.9				i	20 23 14.1
"	27	Iran (h = 10 km).						ipPKP1	20 23 24.0
"	27	Ki	iP	09 35 27.4			Ud	iPKP1	20 23 16.1
"	27	Um	iP	09 35 04.6				iPKP2	20 23 21.2
"	27	Ud	iP	09 35 04.9				ipPKP1	20 23 37.5
"	27	The same focal area as the preceding event.					De	iPKP1	20 23 24.4 C
"	27	Approximate origin time = 09 27 30.						iPKP2	20 23 34.8
"	27	Ki	iP	12 03 29.5				ipPKP1	20 23 46.1
"	27	Ud	iP	12 03 15.9				Kermadec Islands.	
"	27	De	i(P)	12 51 58.2				h = 70 km (Up,Sk,Um,Ud,De).	
"	27	Ud	iP	16 32 38.2	"	27	Ki	iP	22 11 49.6
"	27				"	27	Um	iP	22 11 42.1
"	27				"	27	Ud	iP	22 11 54.1
"	27				"	27	De	eP	22 12 02
"	27				"	27	Sumatra (h = N).		
"	28	Up	i(P)	07 35 17.5	"	28	Up	i(P)	07 35 17.5
"	28		i	07 35 45.6	"	28		i	07 35 45.6
"	28	Up	iP	11 31 53.7	"	28	Up	iP	11 31 53.7

Up = Uppsala, Ki = Kiruna, Sk = Skalstugan, Um = Umeå, Ud = Uddeholm, De = Delary

1976		1976	
June	29	June	30
	(cont.)	(cont.)	
	De iPKP 18 49 57.8 C	De iP 14 57 39.5	
	iPKP1 18 50 08.2	Sumatra (h = 140 km).	
	iPKP2 18 50 25.4	m = 6.4 (Up,Ki).	
	i 18 50 46.7		
	South of Kermadec Islands		
	(h = 50 km).		
	M = 6.0 (Up,Ki).		
"	29 Up iP 22 11 46.1		
	Ud iP 22 11 54.9		
	Philippine Islands (h = N).		
"	29 Ud iPKP 23 36 38.5		
	De iPKP 23 36 48.0		
"	30 Up iP 03 52 35.9		
	Um iP 03 52 14.9		
"	30 Up ipP 05 59 20.9		
	Ki ipP 05 59 19.9		
	Ud iP 05 59 31.5		
	ipP 05 59 36.6		
	De iP 05 59 32.0		
	Sinkiang, China (h = 20 km).		
"	30 De iPKP1 09 47 25.1		
	Fiji Islands (h = 570 km).		
"	30 Ud iP 11 56 26.8		
	Afghanistan-USSR (h = N).		
"	30 Up i 12 26 58.6		
	Ki i 12 26 56.8		
	Ud iP 12 27 03.7		
	i 12 27 13.9		
	Sinkiang, China (h = N).		
"	30 Up iP 13 00 48.4		
	Ki iP 13 00 00.6		
	Ud iP 13 00 54.0		
	Kurile Islands (h = 140 km).		
"	30 ✓Up iP 14 57 28.1		
	i 14 57 31.6		
	micr sec		
	P Z' 0.2 1.5		
	Ki iP 14 57 29.8		
	micr sec		
	P Z' 0.2 0.8		
	Sk iP 14 57 44.7		
	Um iP 14 57 27.0		
	Ud iP 14 57 40.0		
	(cont.)		

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