

SEISMOLOGICAL DEPARTMENT
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 SWEDEN

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SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEA, UDDEHOLM,
 DELARY and MYRVIKEN

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYV)	62°56.5'N,	14°20.8'E;	h = 345 m

JANUARY 1 - 31, 1985

1985					1985					
Jan.	2	UPP	ePKP2	04 31 49	Jan.	4	KIR	ePKP	02 36 43	
		UME	iPKP1	04 31 36.0				iSKP1	02 40 01.8	
		Keramdec Islands (h = 210 km).					UME	iPKP1	02 36 43.2	
								iSKP1	02 40 11.9	
"	2	UPP	iP	05 43 26.4 C			South of Fiji Islands			
			i	05 43 27.3			(h = 130 km).			
			i	05 43 39.0						
				micr sec	"	4	UME	iP	07 08 59.3	
				Z' 0.2 0.8			Nicobar Islands region (h = N).			
		KIR	iP	05 42 31.8 C		4	KIR	iP	12 52 34.7	
			i	05 42 44.2			Talaud Islands (h = 70 km).			
				micr sec						
				Z' 0.7 1.0		5	KIR	iP	04 04 43.5	
		UME	iP	05 43 00.3 C			Kashmir-Xinjiang border region			
			i	05 43 00.9			(h = N).			
			i	05 43 10.9						
		Alaska Peninsula (h = 35 km).				5	KIR	iP	06 03 53.6	
		m = 6.5 (UPP,KIR).					UME	iP	06 03 37.3	
"	2	UPP	iPKP1	09 38 05.8			Carlsberg Ridge (h = 10 km).			
		UME	iPKP1	09 37 53.0		5	UPP	iP	07 50 31.1	
		Kermadec Islands (h = 110 km).					UME	iP	07 50 40.6	
"	2	UPP	iP	22 18 52.2			Carlsberg Ridge (h = 10 km).			
			ipP	22 19 16.4		5	UPP	iP	11 24 04.4 C	
		KIR	iP	22 18 51.8 C				i	11 24 21.5	
			ipP	22 19 16.5				iSKS	11 34 18	
		UME	iP	22 18 50.8 C				iS	11 34 28	
			ipP	22 19 13.3					micr sec	
		Northern Sumatera.							P	Z' 0.7 1.0
		h = 90 km (UPP,KIR,UME).							Mx	Z 5.2 25
"	2	KIR	iP	23 18 02.5		KIR	iP	11 24 02.0 C		
		Fox Islands, Aleutian Islands						i	11 24 14.5	
		(h = 240 km).							micr sec	
									P	Z' 3.0 1.9
"	4	UPP	iPKP1	02 36 53.5 D					Mx	Z 2.3 25
			i	02 37 08.7						
		(cont.)								(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985		1985	
Jan.	5	(cont.) UME iP 11 24 06.6 C i 11 24 23.2 iSKS 11 34 25 iS 11 34 34 North of Panama (h = 35 km). m = 7.0, M = 5.7 (UPP,KIR).	Jan. 6 KIR iP 12 35 01.5 Jan Mayen Island region (h = 10 km).
"	5	UME iP 13 11 19.2 Bulgaria (h = 30 km).	" 6 UPP iP 12 38 39.1 KIR iP 12 37 31.3 Jan Mayen Island region (h = 10 km).
"	5	UME iP 14 27 34.4	" 6 KIR iP 15 27 45.7 UME iP 15 28 11.4 Near east coast of Kamchatka (h = N).
"	5	UME iP 15 28 40.2	" 6 KIR iP 17 14 26.6 UME iP 17 14 53.9 Fox Islands, Aleutian Islands (h = 130 km).
"	5	UPP iP 15 57 02.5 UME iP 15 56 41.7 C ipP 15 57 01.3 Near s. coast of southern Honshu. h = 70 km (UME).	" 6 KIR iP 17 14 57.5 C micr sec P Z' 0.1 1.0 UME iP 17 15 25.2 C Fox Islands, Aleutian Islands.
"	6	UME iP 02 53 38.0 Bonin Islands region (h = 440 km).	" 6 KIR ePKP2 18 51 45 UME iP 18 51 47.8 Off e. coast of N. Island, N.Z. (h = 30 km).
"	6	UPP iP 06 56 12.7 KIR iP 06 55 27.4 UME iP 06 55 47.6 Hokkaido, Japan region (h = 310 km).	" 6 UME iP 19 05 03.9 Off e. coast of N. Island, N.Z. (h = N).
"	6	KIR iP 08 00 21.3 UME iP 08 00 57.8 i 08 03 13.8 iS 08 03 45.0 Jan Mayen Island region (h = 10 km).	" 6 UME iP 19 44 14.2
"	6	KIR iP 08 59 21.4 i 08 59 31.2 UME iP 09 00 02.5 Jan Mayen Island region (h = 10 km).	" 6 KIR ePKP1 19 50 21 UME iP 19 50 30.3 Off e. coast of N. Island, N.Z. (h = 25 km).
"	6	KIR iP 10 25 25.3 UME iP 10 26 00.0 i 10 28 16.9 Jan Mayen Island region (h = 10 km).	" 6 KIR iP 22 19 33.4 UME iP 22 19 49.7 C Near east coast of Honshu, Japan (h = 80 km).
"	6	UPP iP 12 10 14.7 KIR iP 12 09 08.0 UME iP 12 09 43.6 Jan Mayen Island region (h = 10 km).	" 6 UPP iSg1 22 22 35.6 UME iSg1 22 23 02.4 UDD iSg1 22 21 37.8 MYV eSn 22 21 30 Southwestern coast of Norway, near 61 3/4°N, 5°E. Origin time = 22 19 17. M _l (UPP) = 2.4 1. By combination with BERGEN stations readings. Felt.

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1985				1985			
Jan.	7	UME iP	02 44 16.6 C	Jan.	8.7	(cont.)	
"	7	UME iP	03 42 37.2			Västerbotten, Sweden, 64.8°N, 20.1°E.	
"	7	KIR iP	06 28 57.2			Origin time = 01 50 33.	
			Off coast of northern California (h = 5 km).	"	8	UPP iPKP1	03 14 20.6
"	7	UPP iP	12 13 07.6			PKP1 Z'	0.1 1.0
			micr sec			KIR iPKP1	03 13 59.8
		P Z'	0.1 1.0			UME iPKP1	03 14 10.6
		KIR iP	12 12 37.2				Kermadec Islands region (h = 90 km).
			micr sec	"	8	KIR eP	04 18 50.6
		P Z'	0.1 1.0			UME iP	04 19 02.2
		UME iP	12 12 50.0				Shikoku, Japan (h = 50 km).
			Ryukyu Islands region (h = 20 km).	"	8	UPP iPKP1	07 02 53.8
			m = 5.8 (UPP,KIR).			UME iPKP1	07 02 38.1
"	7	UPP iP	16 23 06.9 C			i	07 02 42.9
			micr sec				Kermadec Islands (h = N).
		P Z'	0.2 1.0	"	8	UPP	micr sec
		KIR iP	16 23 00.6			Mx Z	0.8 19
			micr sec			UME iPKP	08 01 30.8
		P Z'	0.1 1.0				Off e. coast of N. Island, N.Z. (h = 25 km).
		UME iP	16 22 59.1 C	"	9	UME i(PKP)	01 50 38.5
			Bhutan (h = 10 km).			iPKP	01 50 44.2
			m = 6.0 (UPP,KIR).			iSKP1	01 53 17.3
"	7	UPP iPKP	19 44 40.1				Fiji Islands region (h = 660 km).
		iSKP1	19 47 54.0	"	9	UPP iP	16 07 11.8
		KIR iPKP	19 44 26.5				micr sec
		UME e(PKP)	19 44 25			P Z'	0.1 1.0
		iPKP	19 44 32.5			KIR eP	16 06 30
			Vanuatu Islands (h = 140 km).				Kuril Islands (h = 35 km).
"	7	UPP iP	21 56 50.7	"	9	UPP iP	19 38 20.6
			micr sec				micr sec
		Mx Z	2.7 18			P Z'	0.2 1.3
		KIR iP	21 55 43.1			KIR iP	19 37 26.1 C
			micr sec				micr sec
		P Z'	0.3 1.0	"	9	UPP iP	19 37 54.8 C
		Mx Z	1.4 12				Southeastern Alaska (h = 15 km).
		UME iP	21 56 18.6				m = 6.1 (UPP,KIR).
			Jan Mayen Island region (h = 10 km).	"	9	UPP iP	20 15 05.5
"	8	UPP iSg1	01 53 07.6			KIR iP	20 15 14.9
		KIR iPn	01 51 19.9			UME iP	20 15 04.2
		iSg1	01 52 04.8				Hindu Kush region (h = 110 km).
		UME iPg1	01 50 50.8				
		iSg1	01 51 03.9				
		UDD iSg1	01 53 24.6				
		MYV iPg1	01 51 29.2				
		iSn	01 52 03.8				
			(cont.)				

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1985				1985			
Jan.	19	UME iP	05 42 18.8	Jan.	23	KIR iSg1	00 05 14.5
		Philippine Islands region (h = 50 km).				UME iSg1	00 06 46.5
"	19	UPP iP	12 46 09.0			Norwegian Sea, near 72 1/2°N, 13 1/2°E.	
			micr sec			Origin time = 00 02 59.	
		P	Z' 0.2 1.8			By combination with TRO station readings.	
		KIR eP	12 46 30	"	23	UPP iP	10 14 09.6
		UME eP	12 46 22			UME iP	10 14 55.6
		North Atlantic Ridge (h = 10 km).				Northern Italy (h = 30 km).	
"	20	UME iP	12 47 50.0	"	23	UPP iP	16 16 25.0
		Taiwan region (h = 35 km).				UME iP	16 17 03.9
"	20	UME iP	17 47 38.0			Greece (h = 20 km).	
		Svalbard region (h = 10 km).		"	23	UPP iPKP2	19 22 08.9
"	20	UPP iP	18 13 48.9 D			KIR ePKP1	19 21 37
		ipP	18 14 29.7			UME iPKP1	19 21 44.9
			micr sec			North Island, New Zealand (h = 80 km).	
		P	Z' 0.1 0.7	"	24	KIR iPdiff	12 43 35.4
		KIR iP	18 13 57.8 D			UME iPdiff	12 43 41.5 D
			micr sec			Tanimbar Islands region (h = 20 km).	
		P	Z' 0.2 1.0	"	24	UME i(P)	20 13 36.6
		UME iP	18 13 47.2 D	"	24	KIR iP	22 43 37.2
		Hindu Kush. h = 190 (UPP). m = 5.6 (UPP,KIR).				Near coast of Venezuela (h = 25 km).	
"	21	UPP iPP	01 13 24	"	25	KIR iPg1	03 32 05.8
			micr sec			iSg1	03 33 07.4
		PP	Z' 39.7 26			UME iSn	03 33 12.4
		KIR iP	01 08 54.2			iSg1	03 33 35.3
		i	01 09 00.1			MYV eSg1	03 35 03
		i	01 09 22.0			Northwestern USSR, 66.5°N, 31.8°E.	
			micr sec			Origin time = 03 30 45.	
		i	Z' 0.2 1.1			M _L (UPP) = 2.7 (0.22) 3.	
		UME iP	01 08 59.1	"	25	UME iP	14 39 30.0
		Halmahera (h = N).				Bonin Islands region (h = N).	
"	21	KIR iP	04 55 03.7	"	25	KIR iP	18 11 10.4 D
		Halmahera (h = N).					micr sec
"	21	UPP iP	13 07 31.6			P	Z' 0.1 1.0
		KIR iP	13 07 25.4			UME iP	18 11 03.5 D
		UME iP	12 07 23.9			Southern Xinjiang, China (h = N).	
		Burma-India border region (h = 70 km).		"	25	UPP iP	21 08 40.0
"	22	UPP iP	08 10 48.5			UME iP	21 08 32.4
		KIR iP	08 10 47.7 C			Burma-India border region (h = 90 km).	
			micr sec				
		P	Z' 0.1 0.9				
		UME iP	08 10 46.0 C				
		Southern Sumatera (h = N).					

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1985				1985									
Jan.	25	UPP	iPKP1	21 34	30.1	Jan.	28	UME	ipP	04 27	29.4		
		KIR	ePKP	21 34	24			Unimak Island region (h = N).					
		UME	i(PKP)	21 34	18.9		"	28	UME	iP	10 07	59.5	
			iPKP	21 34	24.4				Romania (h = 150 km).				
		South of Fiji Islands (h = 200 km).						"	29	KIR	eP	22 35	18
"	25	UPP	iSg1	23 21	16.8				UME	iP	22 35	18.1	
		UME	iSg1	23 21	48.3			Molucca Passage (h = 70 km).					
		DEL	eSg1	23 21	19		"	30	UPP	eP	03 35	56	
		MYV	iSn	23 20	05.4			KIR	eP	03 33	59		
			iSg1	23 20	24.4				i	03 34	07.2		
		Off coast of southwestern Norway, near 61 1/4°N, 3 1/2°E. Origin time = 23 17 39. M _L (UPP) = 3.0 (0.02) 2. By combination with BERGEN stations readings.							UME	iP	03 34	25.4	
									Near east coast of Kamchatka (h = N).				
"	26	UPP					"	30	UME	iP	13 24	06.0	
			Mx	Z	4.6	19			Fox Islands, Aleutian Islands (h = 55 km).				
		KIR	iPKP		03 25	49.5		"	30	UPP	iP	22 11	24.5
									UME	eP	22 11	17	
			Mx	Z	1.4	20			Tibet (h = N).				
		UME	iPKP		03 25	47.0		"	31	UME	eP	02 56	01
		Mendoza Province, Argentina (h = 5 km). M = 5.9 (UPP,KIR).								Halmahera (h = 220 km).			
"	26	UPP	iP	03 36	15.7		"	31	UPP	iPKP2	04 53	21.0	
		UME	iP	03 36	03.2				i	04 53	31.5		
									Mx	Z	5.6	25	
"	26	UPP	iP	17 51	51.1			KIR					
			iPcP	17 52	17.9				Mx	Z	1.4	24	
		KIR	iP	17 51	05.5			UME	iPKP	04 52	48.2		
		UME	iP	17 51	25.8	C			iPKP1	04 52	56.1		
			iPcP	17 52	02.0			Off w. coast of S. Island, N.Z. (h = 10 km). M = 6.0 (UPP,KIR).					
		Kuril Islands (h = 170 km).						"	31	UME	iP	14 02	31.5
"	26	UPP	iPKP2	20 40	13.6				Greece (h = 15 km).				
		UME	ePKP1	20 39	57			"	31	UME	iP	14 35	03.0
		Kermadec Islands region (h = 420 km).							Afghanistan-USSR border region (h = 190 km).				
"	26	UPP	iP	21 47	27.4	C		"	31	KIR	iP	16 45	36.6
			ipP	21 47	57.2				UME	iP	16 44	59.1	
								Greece (h = 20 km).					
			P	Z'	0.1	1.0		"	31	KIR	eP	19 13	15
		UME	iP	21 47	08.0				UME	eP	19 13	21	
			i	21 47	28.5			Luzon, Philippine Islands (h = 50 km).					
			ipP	21 47	38.0			"	31	UME	iP	22 01	51.7
		Kyushu, Japan. h = 120 km (UPP,UME).							Near west coast of Honshu, Japan (h = 260 km).				
"	27	UME	iP	23 07	45.0		"	31	UME	iP	22 01	51.7	
		Bonin Islands region (h = N).							Near west coast of Honshu, Japan (h = 260 km).				

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S E I S M O L O G I C A L B U L L E T I N
 U P P S A L A , K I R U N A , U M E Å , U D D E H O L M
 D E L A R Y and M Y R V I K E N

Uppsala	(UPP)	59 ⁰ 51.5'N,	17 ⁰ 37.6'E;	h = 14 m
Kiruna	(KIR)	67 ⁰ 50.4'N,	20 ⁰ 25.0'E;	h = 390 m
Umeå	(UME)	63 ⁰ 48.9'N,	20 ⁰ 14.2'E;	h = 16 m
Uddeholm	(UDD)	60 ⁰ 05.4'N,	13 ⁰ 36.4'E;	h = 240 m
Delary	(DEL)	56 ⁰ 28.2'N,	12 ⁰ 52.2'E;	h = 150 m
Myrviken	(MYV)	62 ⁰ 56.5'N,	14 ⁰ 20.8'E;	h = 345 m

F E B R U A R Y 1 - 28, 1985

1985				1985			
Feb.	1	KIR iPKP	01 06 10.2	Feb.	2	UPP iP	22 47 37.4
		Tonga Islands (h = 120 km).				KIR iP	22 48 14.0 C
"	1	UPP iP	03 01 57.0			i	22 48 28.7
"	1	UPP iP	08 40 17.5			UME iP	22 47 50.9 C
		UME iP	08 39 47.7	"	3	Southern Iran (h = N).	
"	2	UPP iP	11 17 47.5			KIR iP	00 17 23.3
		P	micr sec			UME iP	00 17 42.1
		Z' 0.1	1.0	"	3	Near east coast of Honshu,	
		KIR iP	11 17 01.7 C			Japan (h = 70 km).	
		P	micr sec	"	3	UME iP	00 53 36.5
		Z' 0.2	1.5			Arabian Sea (h = 10 km).	
		UME iP	11 17 22.5 C	"	3	KIR iP	02 41 17.1
		Kuril Islands (h = 40 km).		"	3	UME iP	02 50 19.0
		m = 5.9 (UPP,KIR).				Burma-India border region	
"	2	KIR iP	15 54 02.2			(h = 60 km).	
		UME iP	15 54 55.6 C	"	3	UPP iPKP1	05 10 08.4
		i	15 55 05.5			KIR e(PKP)	05 09 51
		Greenland Sea (h = 10 km).				iPKP	05 10 02.7
"	2	UME iP	18 42 05.6			micr sec	
		Nicaragua (h = 180 km).				PKP Z' 0.2	1.5
"	2	UPP iP	21 00 02.5			UME i(PKP)	05 09 58.0
		i	21 00 35.1			iPKP	05 10 10.3
		KIR iP	21 00 39.1 C			Tonga Islands (h = 55 km).	
		i	21 01 11.7	"	3	UME iP	06 40 59.5
		UME iP	21 00 16.0 C	"	3	KIR iP	13 19 31.3
		i	21 00 47.2			UME iP	13 19 34.4
		Southern Iran (h = 35 km).				Northern Colombia (h = 40 km).	
"	2	UPP iP	22 28 58.1	"	3	KIR iP	14 59 16.5
		KIR iP	22 29 34.4			Mascarem Islands region	
		UME iP	22 29 11.0			(h = 10 km).	
		Southern Iran (h = N).					

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1985				1985			
Feb.				Feb.			
8	UPP	iP	13 45 01.0 C	9	UME	iP	22 24 00.7
			micr sec				Kuril Islands (h = 50 km).
		P	Z' 0.2 1.0				
	KIR	eP	13 44 12 C	"	10	UME	iP 03 10 55.3
	UME	iP	13 44 34.3 C				Kuril Islands (h = 70 km).
			Kuril Islands (h = N).				
"	8	UPP	iP 18 12 13.1	"	10	UPP	iP 03 34 05.4 C
		KIR	iP 18 12 21.6				iPn 03 35 11.3
		UME	iP 18 12 11.5				iPP 03 35 22.7
			Afghanistan-USSR border				micr sec
			region (h = 100 km).			P	Z' 1.2 0.9
"	8	UPP	iP 19 43 23.3			KIR	iP 03 33 48.8 C
			ipP 19 43 36.0				micr sec
			micr sec			P	Z' 1.7 0.9
		P	Z' 0.1 1.0			UME	iP 03 33 49.7 C
	KIR	eP	19 42 38				Eastern Kazakh SSR.
		ipP	19 42 49.8				m = 6.9 (UPP,KIR).
			micr sec				Underground explosion.
		P	Z' 0.2 1.0	"	10	KIR	iSg1 07 11 21.8
	UME	iP	19 42 58.0			UME	iSg1 07 13 08.5
		ipP	19 43 10.6				Swedish, Lapland, 67.8°N,
			Kuril Islands.				18.8°E.
			h = 45 km (UPP,KIR,UME).				Origin time = 07 11 02.
			m = 6.0 (UPP,KIR).				M _L (UPP) = 2.1 1.
"	8	UPP	eP 21 47 45				By combination with Finnish
		UME	iP 21 48 06.5				and Norwegian station readings.
"	8	UPP	iP 23 48 10.4	"	10	UPP	iP 14 49 41.8
		KIR	iP 23 47 43.7				Talud Islands (h = 80 km).
		UME	iP 23 47 51.7	"	10	UPP	eP 15 37 19
			USSR-Mongolia border region			UME	iP 15 37 46.0
			(h = N).				Aegean Sea (h = 20 km).
"	9	UPP	iP 00 43 44.0	"	10	UME	iP 19 27 58.3
"	9	UPP	iP 13 23 56.6	"	10	UME	iP 19 52 49.0
		UME	iP 13 23 48.1				i 19 53 01.5
			Burma (h = N).				South of Honshu, Japan
"	9	UPP	iP 16 06 22.5				(h = 40 km).
		KIR	iP 16 05 50.4	"	10	UPP	iP 21 50 27.6
		UME	iP 16 06 04.1 C			KIR	iP 21 50 11.1
			Bonin Islands region			UME	iP 21 50 21.5 D
			(h = 340 km).				Michoacan, Mexico (h = 90 km).
"	9	KIR	iPn 22 19 46.6	"	11	UPP	iP 00 26 28.1
			iSg1 22 20 07.2				ipP 00 26 49.6
		UME	iSg1 22 22 05.1			KIR	ipP 00 26 36.4
			Northern Norway, near 69°N,			UME	iP 00 26 25.6
			24°E.				Oaxaca, Mexico (h = 90 km).
			Origin time = 22 19 17.	"	11	UPP	iP 04 42 18.8
			M _L (UPP) = 2.8 (0.01) 2.				ipP 04 42 41.5
			By combination with Finnish			UME	iP 04 42 17.9
			station readings.				(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Feb.	11	(cont.) UME ipP	04 42 38.1	Feb.	11	KIR iP UME iP	20 46 03.0 20 46 29.6
		Northern Sumatera (h = 100 km).				Fox Islands, Aleutian Islands (h = 230 km).	
"	11	UPP iP KIR iP UME iP	06 13 00.5 06 12 15.3 06 12 35.5	"	12	UPP iP UME iP	00 23 29.7 00 24 01.9
		Kuril Islands (h = N).		"	12	UPP i(P)	11 11 17.1
"	11	UPP iP P Z'	07 50 26.0 micr sec 0.2 1.5	"	12	UPP eP	11 47 24
		KIR iP P Z'	07 50 57.6 micr sec 0.4 1.9	"	13	UME iPKP	01 24 40.4
		UME iP	07 50 47.8			Kermadec Islands region (h = N).	
		Central Mid-Atlantic ridge (h = 10 km). m = 6.2 (UPP,KIR).		"	13	UPP ePKP KIR iPKP UME iPKP	11 28 32 11 28 18.4 11 28 25.0 C
"	11	UPP iP KIR iP	09 33 17.8 09 33 56.2			Santa Cruz Islands region (h = 640 km).	
		Iran (h = 50 km).		"	13	UPP iP	11 55 36.0
"	11	UPP iP UME iP	11 22 41.3 11 23 23.4	"	13	UPP iP ipP	18 09 25.0 C 18 09 38.5
		Ionian Sea (h = 10 km).				P Z' 0.3 0.9 Mx Z 1.3 19	
"	11	UPP iP KIR iP UME iP	12 50 50.4 C 12 50 56.1 C 12 50 46.9			KIR iP ipP	18 08 31.8 18 08 47.0
		Tajik SSR (h = 190 km).				P Z' 0.2 1.0 Mx Z 1.1 18	
"	11	UPP iPn KIR iPn iSn UME iPn iSn UDD ePn MYV iPn iSn	15 20 17.3 15 18 51.6 15 20 13.9 15 19 35.6 15 21 28.9 15 20 05 15 19 36.2 15 21 23.4			UME iP ipP	18 08 57.5 C 18 09 11.2
		Norwegian Sea, near 72°N, 2 1/2°E. Origin time = 15 17 03.				Andreasof Islands, Aleutian Is. h = 50 km (UPP,KIR,UME). m = 6.3, M = 5.2 (UPP,KIR).	
"	11	UPP iP ipP KIR iP UME iP ipP	17 43 01.8 17 43 13.5 17 42 16.1 17 42 36.4 17 42 48.5	"	14	UPP iP KIR iP UME iP	00 48 54.2 00 48 21.4 00 48 30.8
		Kuril Islands region. h = 40 km (UPP,UME).		"	14	UPP iP KIR iP UME iP	01 00 00.2 01 00 04.3 01 00 05.5
"	11	UPP iP KIR eP UME iP	19 10 03.8 19 09 08 19 09 37.0			Northern Colombia (h = 170 km).	
		Alaska peninsula (h = 90 km).		"	14	UPP iPKP1 UME iPKP1	03 29 03.5 03 28 50.9 C
						Kermadec Islands (h = 190 km).	
"	11	UPP iP	19 10 03.8	"	14	UPP iP	03 29 58.3

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1985				1985							
Feb.	14	UPP	iP	05 13 27.6	Feb.	16	UPP	eP	14 56 25		
		KIR	eP	05 12 25			Luzon, Philippine Islands (h = N).				
			ipP	05 12 28.4							
				micr sec		"	16	UPP	iP	16 39 24.9	
			pP	Z' 0.1 1.0				UME	iP	16 39 01.1 C	
		UME	iP	05 12 56.5			Near east coast of Honshu, Japan (h = 40 km).				
			ipP	05 12 59.1							
		Alaska. h = 10 km (KIR,UME).					"	16	UPP	iP	21 38 54.3
"	14	UPP	iP	07 04 23.4				UME	epP	21 39 16	
		Southern Greece (h = 60 km).					Turkey (h = 10 km).				
"	14	UPP	iPKP	09 29 58.8	"	17	UPP	iP	00 34 36.9		
		UME	iPKP	09 30 06.1 C				ipP	00 35 00.5		
		South Sandwich Islands region (h = N).						UME	iP	00 34 28.4	
								ipP	00 34 51.5		
							Burma-India border region. h = 100 km (UPP,UME).				
"	14	UPP	iP	09 41 09.1	"	17	UPP	iP	23 16 47.9		
		KIR	iP	09 41 12.4 C				UME	iP	23 16 43.3	
		UME	iP	09 41 13.7			Northern India (h = N).				
		Northern Colombia (h = 160 km).				"	18	UPP	iPKP	01 56 25.8	
"	14	UME	iP	22 10 07.1			Kermadec Islands (h = 80 km).				
		Near east coast of Honshu, Japan (h = 80 km).				"	18	UPP	eP	18 25 41	
"	15	UPP	iPKP1	07 40 21.4			KIR	iP	18 25 15.7		
		UME	iPKP	07 40 19.9			UME	iP	18 25 25.6		
		South of Fiji Islands (h = 640 km).					South of Mariana Islands (h = 150 km).				
"	15	UPP	iPKP1	09 40 25.0	"	18	UPP	iP	19 52 55.9		
		Tonga Islands region (h = N).						ipP	19 53 04.6		
"	15	UPP	iP	17 30 02.5				i	19 53 09.1		
			i	17 30 09.7					micr sec		
		UME	iP	17 29 55.9				P	Z' 0.2 1.2		
			i	17 30 00.4			KIR	iP	19 52 31.6		
		Tibet (h = N).						ipP	19 52 40.9		
"	16	UME	eP	06 38 35					micr sec		
		Bulgaria (h = 10 km).						P	Z' 0.2 1.0		
"	16	UPP	iP	09 43 52.0			UME	iP	19 52 40.4		
				micr sec				ipP	19 52 48.7		
			P	Z' 0.1 1.0				i	19 52 51.5		
		UME	iP	09 43 25.1			Southwestern Ryukyu Islands. h = 30 km (UPP,KIR,UME). m = 6.1 (UPP,KIR).				
		Andreanof Islands, Aleutian Is. (h = 55 km).			"	19	UPP	iPKP1	08 58 24.5		
"	16	UPP	ePKP	14 08 15				iPKP	08 58 27.5		
		Tonga Islands region (h = 40 km).					KIR	iPKP	08 58 13.7		
							UME	iPKP	08 58 21.7		
							South of Fiji Islands (h = 150 km).				
"	16	UPP	ePKP	14 08 15	"	19	UPP	iPKP	23 22 06.2 D		
		Tonga Islands region (h = 40 km).					(cont.)				

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1985									
Feb.	19	(cont.)							
		UPP		micr	sec				
			PKP	Z'	0.4	1.0			
		UME	iPKP1		23	21	54.0		
			iPKP		23	21	55.4		
		South of Fiji Islands (h = 620 km).							
"	20	UDD	eSg1		12	28	14		
"	20	UPP	eP		15	14	45		
		Iceland region (h = 10 km).							
"	20	UPP	iP		17	49	06.6		
		KIR	iP		17	49	15.6		
			P	Z'	0.1	0.6			
		UME	iP		17	49	04.5		
		Hindu Kush region (h = 90 km).							
"	20	UPP	iP		20	34	24.4		
		KIR	iP		20	34	20.6		
		Sunda Strait (h = 70 km).							
"	21	UPP	eP		00	15	44		
		KIR	eP		00	15	15		
		UME	iP		00	15	33.1		
"	21	UPP	eP		03	08	10		
		UME	ipP		03	08	53.6		
		Aegean Sea (h = 20 km).							
"	21	UPP	iP		06	25	58.9		
		UME	iP		06	26	37.1		
		Albania (h = 10 km).							
"	21	UPP	iPKP1		07	14	30.5		
		KIR	ePKP		07	14	20		
		UME	iPKP		07	14	28.6		
		South of Fiji Islands (h = 530 km).							
"	21	UPP	iP		08	53	01.2		
		KIR	iP		07	52	07.9		
		UME	iP		07	52	37.3		
		Central Alaska (h = 100 km).							
"	21	UPP	Mx		20	04			
			Mx	Z	1.2	18			
		Near coast of Central Chile (h = 60 km).							
"	21	UPP	Mx		22	53			
			Mx	Z	1.0	19			
		(cont.)							
		1985							
		Feb. 21 (cont.)							
		Near coast of Northern Chile (h = N).							
"	22	UPP	iP		08	34	10.8		
			ipP		08	34	18.6		
		KIR	iP		08	34	11.1		
			ipP		08	34	17.2		
		UME	iP		08	34	04.7		
		Southern Xinjiang, China. h = 25 km (UPP,KIR).							
"	22	UPP	iPKP		09	52	26.1		
		KIR	iPKP		09	52	41.5		
		UME	iPKP		09	52	34.5		
		South Sandwich Islands region (h = N).							
"	22	UPP	iP		14	27	14.4		
		KIR	iP		14	26	45.6		
		UME	eP		14	26	58		
		Mariana Islands (h = 70 km).							
"	22	UPP	iP		18	59	22.4		
"	22	UPP	iP		20	14	59.3		
		UME	iP		20	14	56.2		
"	22	UPP	iP		20	49	29.6		
			ipP		20	49	39.7		
			P	Z'	0.1	0.8			
		KIR	iP		20	48	35.8 C		
			ipP		20	48	46.1		
			pP	Z'	0.2	1.0			
		UME	iP		20	49	03.3 C		
			ipP		20	49	13.5		
		Alaska Peninsula. h = 35 km (UPP,KIR,UME). m = 6.1 (UPP,KIR).							
"	23	UPP	eP		01	14	26		
		KIR	iP		01	14	08.6		
		UME	iP		01	14	14.8		
		Mindanao Philippine Islands (h = 160 km).							
"	23	UPP	iP		08	34	04.7 D		
			P	Z'	0.2	0.6			
		KIR	iP		08	33	18.8 D		
			P	Z'	0.3	0.8			
		UME	iP		08	33	39.5 D		
		Sea of Okhotsk (h = 420 km). m = 5.8 (UPP,KIR).							

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1985				1985							
Feb.	23	UPP	iPKP	14 00 41.5	Feb.	25	UPP	iP	17 58 56.9		
			i	14 00 43.1			KIR	iP	17 58 13.8		
		KIR	ePKP	14 00 29			UME	iP	17 58 33.0 C		
			i	14 00 30.5			Hokkaido, Japan region (h = 70 km).				
				micr sec							
			Mx	Z 2.6 26			"	25	UPP	iP	19 04 15.6
		UME	ePKP	14 00 37					i	19 04 20.0	
			i	14 00 39.4			KIR	eP	19 04 22		
		Solomon Islands (h = 90 km).					UME	iP	19 04 13.5		
"	23	UPP	eP	14 43 03			Southwestern Kashmir (h = N).				
		UME	eP	14 42 42			"	26	UPP	iP	02 50 44.5
"	23	UPP	iP	14 56 32.8			KIR	iP	02 51 26.7		
			i	14 56 56.4			UME	iP	02 51 00.5		
		KIR	iP	14 57 18.9			Iran-Iraq border region (h = 45 km).				
		UME	iP	14 56 55.0 D			"	26	UPP	iP	04 19 11.2
			i	14 57 18.0			KIR	iP	04 19 54.1		
		Lake Tanganyika region (h = 10 km).					UME	iP	04 19 27.5		
"	23	UPP	i(PKP)	19 32 38.4			Iran-Iraq border region (h = 40 km).				
			iPKP	19 32 48.7			"	26	UPP	iP	06 13 05.6
		KIR	ePKP	19 32 34			Eastern Gulf of Aden (h = 10 km).				
		UME	iPKP	19 32 37.7			"	27	UPP	eP	03 32 27
		Fiji Islands region (h = 530 km).							epP	03 32 33	
"	24	UPP	iP	02 40 26.0			KIR	iP	03 32 07.9		
		UME	iP	02 40 18.5				ipP	03 32 13.9		
		Sulawesi (h = 60 km).					UME	eP	03 32 11		
"	24	UPP	eP	02 54 24				ipP	03 32 15.9		
		UME	iP	02 54 16.8			Talaud Islands. h = 15 km (UPP,KIR,UME).				
		Sulawesi (h = 55 km).					"	27	UPP	iP	04 39 33.5
"	24	UPP	eP	19 31 31			KIR	iP	04 39 34.6		
		KIR	iP	19 31 12.3			UME	iP	04 39 36.8		
		Halimahera (h = N).					Near west coast of Colombia (h = 25 km).				
"	25	UPP	iP	04 22 22.2			"	27	UPP	eP	12 38 56
		KIR	iP	04 21 39.3			Carlsberg Ridge (h = 10 km).				
		UME	iP	04 21 58.5			"	27	UPP	eP	16 39 59
		Hokkaido, Japan region (h = 80 km).					KIR	iP	16 40 45.9		
"	25	UPP	iP	08 47 26.0			UME	iP	16 40 17.0		
			i	08 48 05.5			Turkey (h = 45 km).				
		KIR	iP	08 47 13.4			"	27	UPP	iP	18 12 27.7
		UME	iP	08 47 16.9					ipP	18 12 34.4	
		Minahassa Peninsula (h = 170 km).					KIR	iP	18 12 18.5		
"	25	UPP	iP	17 03 34.3				ipP	18 12 24.9		
		KIR	iP	17 03 39.4			UME	iP	18 12 14.8		
		UME	iP	17 03 32.1				ipP	18 12 21.0		
		Afghanistan-USSR border region (h = 230 km).					Southern Xinjiang, China. h = 20 km (UPP,KIR,UME).				

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1985

Feb. 27 UPP ipP 23 08 31.4
 KIR ipP 23 09 15.5
 UME ipP 23 08 54.7
 North of Ascension Island
 (h = 10 km).

" 28 KIR iPKP 00 35 30.4
 UME iPKP2 00 36 25.8
 i 00 36 43.0
 South Pacific Cordillera
 (h = 10 km).

" 28 UPP iP 05 23 34.1
 UME iP 05 23 07.5
 Kuril Islands (h = N).

" 28 UPP iPKP 11 29 30.5
 KIR iPKP 11 29 15.3
 micr sec
 PKP Z' 0.1 0.8
 UME iPKP 11 29 22.9
 Vanuatu Islands (h = 50 km).

" 28 UPP iP 21 05 30.9 C
 iS 21 15 11
 micr sec
 P Z' 0.2 0.8
 Mx Z 7.7 18
 KIR iP 21 05 01.0 C
 micr sec
 P Z' 0.3 0.7
 Mx Z 1.8 16
 UME iP 21 05 12.5 C
 Ryukyu Islands (h = 60 km).
 m = 6.2, M = 5.8 (UPP,KIR).

" 28 UPP iP 21 14 39.1
 KIR iP 21 14 37.5
 UME iP 21 14 34.9
 Southern Sumatra
 (h = 70 km).

August 25, 1986

Ingrid Båth
 Torild van Eck
 Conny Holmqvist
 Myung Soon Jun
 Ota Kulhánek

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1985		1985	
Mar.	2	(cont.) UME iP 08 56 46.6 Southeast of Shikoku, Japan (h = 30 km).	Mar. 3 UPP iPdiff 23 02 17 iPKP 23 05 53.9 i 23 06 10.7 iPP 23 07 20.8 iPKKP 23 16 40.2 micr sec Mx Z 388 20 KIR iPKP 23 05 58.2 i 23 06 12.5 micr sec Mx Z 204 21 UME iPKP 23 05 53.9 iPKKP 23 16 31.2 Near coast of central Chile (h = N). M = 7.9 (UPP,KIR).
"	2	UPP iP 13 05 19.9 KIR iP 13 04 33.9 UME iP 13 04 54.0 Kuril Islands (h = 110 km).	" 3 UPP ePKP 23 57 16 KIR ePKP 23 57 25 UME iPKP 23 57 19.7 Near coast of central Chile (h = N).
"	2	UPP iPKP 13 07 17.6 KIR iPKP 13 07 03.7 UME iPKP 13 07 10.2 Santa Cruz Islands (h = 140 km).	" 4 UPP i(P) 00 00 26.3 " 4 UPP iPKP 00 51 05.1 KIR iPKP 00 51 12.0 UME iPKP 00 51 08.7 Near coast of central Chile (h = N).
"	2	UPP iP 16 01 02.9 iPP 16 05 01.8 iS 16 12 12 micr sec Mx Z 25 19 KIR iP 16 00 51.5 micr sec Mx Z 21 19 UME iP 16 00 54.3 iS 16 12 05 Sulawesi (h = 45 km). M = 6.7 (UPP,KIR).	" 4 UPP ePKP 03 51 31 micr sec Mx Z 8.2 19 KIR iPKP 03 51 37.2 micr sec Mx Z 5.7 18 UME iPKP 03 51 35.2 Near coast of central Chile (h = N). M = 6.4 (UPP,KIR).
"	2	UPP eP 18 01 07 KIR iP 18 00 38.7 Philippine Islands region (h = 170 km).	" 4 UPP iPKP 06 25 40.1 KIR iPKP 06 25 47.2 UME iPKP 06 25 45.7 Near coast of central Chile (h = N).
"	3	UPP iP 00 12 11.2 South Indian Ocean (h = 10 km).	" 4 UPP iP 07 22 04.7 UME iP 07 21 46.6 Bonin Islands region (h = 420 km).
"	3	UME iP 10 49 26.8 USSR-Mongolia border region (h = N).	
"	3	UPP eP 13 07 19 UME iP 13 07 46.7 Turkey (h = 10 km).	
"	3	UPP eP 13 48 46 KIR iP 13 47 52.1 UME iP 13 48 20.1 Southern Alaska (h = 110 km).	
"	3	UPP iP 14 02 13.9 KIR iP 14 02 44.5 UME iP 14 02 24.1 Iran (h = 35 km).	

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1985				1985			
Mar.	4	UPP ip	08 41 39.5	Mar.	5	UPP ip	13 53 37.4
		KIR ip	08 40 44.9			iSKS	14 04 08
		Near east coast of Kamchatka (h = N).				iS	14 05 03
"	4	UME ipKP	14 08 18.7			KIR ip	13 53 25.1
		Off coast of central Chile (h = 30 km).				UME ip	13 53 28.5
"	4	UPP ipKP	15 19 49.2			iSKS	14 03 58
		ipPKP	15 20 01.8			Minahassa Peninsula (h = N).	
		ipKKP	15 20 10.3	"	5	UPP ip	14 12 33.6
			micr sec			KIR ip	14 11 43.6
		Mx Z	6.0 21			UME ip	14 12 08.2
		KIR ipKP	15 19 56.0 C			Aleutian Islands region (h = N).	
		ipPKP	15 20 09.1	"	5	UPP ip	15 43 32.9
			micr sec			Mx Z	1.6 10
		PKP Z'	0.1 1.3			KIR ip	15 44 42.0
		Mx Z	3.7 21				micr sec
		UME ipKP	15 19 53.1 C			UME Mx Z	1.2 11
		ipPKP	15 20 04.8			UME ip	15 44 09.9
		Near coast of central Chile. h = 40 km (UPP,KIR,UME). M = 6.1 (UPP,KIR).				Algeria (h = 10 km). M = 4.9 (UPP,KIR).	
"	4	UPP ipKP	17 18 54.2	"	5	UPP i	23 02 37.9
		KIR ipKP	17 19 01.8			KIR ip	23 03 22.1
		UME ipKP	17 18 59.2			UME eP	23 02 30
		Near coast of central Chile (h = N).				i	23 03 32.1
"	4	UPP Mx	20 14			Poland (h = 10 km).	
			micr sec	"	6	UPP ipKP	04 53 59.4
		Mx Z	3.8 19			KIR ipKP	04 53 45.0
		KIR Mx	20 09			UME ipKP	04 53 51.5
			micr sec			Santa Cruz Islands (h = 80 km).	
		Mx Z	2.1 21	"	6	UPP ip	05 51 14.4
		Near coast of central Chile. (h = N). M = 6.0 (UPP,KIR).				North Atlantic Ridge (h = 10 km).	
"	4	UPP ip	20 58 57.9	"	6	UPP ip	18 36 02.8
"	4	UPP epP	22 24 15			KIR ip	18 36 20.5
		i	22 24 54.2			UME ip	18 36 04.8
		KIR ipP	22 24 02.3			Pakistan (h = N).	
		UME ipP	22 24 10.2	"	6	UPP ip	18 55 02.0
		Mexico-Guatemala border region (h = 100 km).				KIR ip	18 55 18.4
"	5	UPP ip	04 27 11.7			UME ip	18 55 04.4
		KIR ip	04 26 52.3			Pakistan (h = N).	
		UME ip	04 26 58.9	"	6	UPP ip	21 33 02.1
		Philippine Islands region (h = 50 km).				UME ip	21 23 05.0
"	6	UPP ip	22 42 07.8 C			Pakistan (h = N).	
		iS	22 50 22	"	6	UPP ip	22 42 07.8 C
			micr sec			iS	22 50 22
		P Z'	0.5 1.3				micr sec

(cont.)

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1985				1985			
Mar.	6	(cont.)		Mar.	8	(cont.)	
		UPP	micr sec			UME ip	00 36 47.3 D
		Mx	Z 2.9 18			ipp	00 40 46.8
		KIR ip	22 41 12.8 C			Southern Sumatera (h = 630 km). m = 6.2 (UPP,KIR).	
			micr sec				
		P	Z' 0.4 1.3			" 8	UPP ip 02 40 51.7
		Mx	Z 1.5 13			" 8	UME ip 02 40 34.2
		UME ip	22 41 38.8 C			" 8	Ryukyu Islands (h = 35 km).
		Near east coast of Kamchatka (h = 45 km). m = 6.3, M = 5.4 (UPP,KIR).				" 8	UPP i(P) 10 02 15.6
"	7	UPP ipKP2	08 17 27.7	"	8	UPP ip	10 57 18.4
		UME ipKP1	08 17 02.3				micr sec
		Cook Strait, New Zealand (h = 150 km).					P Z' 0.1 1.2
"	7	UME ip	08 44 04.6			KIR ip	10 56 23.4
"	7	UPP eP	09 37 47				micr sec
		KIR ip	09 37 13.8				P Z' 0.1 1.0
		UME ip	09 37 26.2			UME ip	10 56 50.1
		South of Honshu, Japan (h = 20 km).				Near east coast of Kamchatka (h = 90 km). m = 5.7 (UPP,KIR).	
"	7	UPP ip	11 32 50.8	"	8	UPP i(P)	12 28 38.4
		KIR ip	11 32 35.0	"	8	UPP ip	13 06 02.0
			micr sec			UME ip	13 05 37.7
		P	Z' 0.3 1.0			Kuril Islands (h = N).	
		UME ip	11 32 40.7	"	8	UPP ipKP1	18 08 06.7
		Mindanao, Philippine Islands (h = 90 km).				i	18 08 18.2
"	7	UPP ip	12 54 16.3			UME ipKP1	18 07 54.8
		UME ip	12 53 56.8			i	18 08 06.8
		South of Honshu, Japan (h = N).				Kermadec Islands (h = N).	
"	7	KIR ipKP	14 56 47.9	"	9	UPP ipKP1	01 41 00.1 C
		UME ipKP	14 56 54.8			ipKP2	01 41 08.1
		Vanuatu Islands (h = 140 km).				KIR ipKP1	01 40 39.1
"	7	KIR ipKP	20 15 21.6			UME ip	01 40 49.8
		UME ipKP	20 15 28.1			South of Kermadec Islands (h = N).	
		Vanuatu Islands (h = 130 km).		"	9	UPP ipKP1	02 13 50.5
"	7	UPP ip	21 27 17.0			ipKP2	02 13 59.3
		Carlsberg Ridge (h = 10 km).				KIR ipKP1	02 13 29.9
"	8	UPP ip	00 36 51.5 D			UME ipKP1	02 13 40.4
		ipp	00 40 49.7	"	9	South of Kermadec Islands (h = 20 km).	
			micr sec			KIR ip	14 06 24.3
		P	Z' 0.1 0.6			Alaska (h = 10 km).	
		KIR ip	00 36 47.8	"	9	UPP ip	14 17 28.2
			micr sec			i	14 17 31.1
		P	Z' 0.2 0.7			is	14 25 05
		(cont.)					micr sec
						P	Z' 0.1 1.2
						(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MVY = Myrviken

1985		1985	
Mar.	9	(cont.) UPP	
			micr sec
		i	Z' 0.5 1.3
		Mx	Z 16 29
		KIR	iP 14 16 27.8
			micr sec
		P	Z' 1.1 1.3
		Mx	Z 12 21
		UME	iP 14 16 58.8
			iS 14 24 09
		Alaska (h = 10 km).	
		m = 6.5, M = 5.9 (UPP,KIR).	
"	9	UPP	iP 14 25 49.2
		KIR	iP 14 24 50.2
		UME	iP 14 25 22.0
		Alaska (h = 10 km).	
"	9	UPP	iP 16 20 33.3
		Molucca Passage (h = 50 km).	
"	9	UPP	eP 20 02 48
		KIR	eP 20 02 27
		Taiwan region (h = 10 km).	
"	9	UPP	iPKP1 22 28 22.1
			i 22 28 44.2
			micr sec
		PKP1	Z' 0.1 1.0
		South of Fiji Islands	
		(h = 100 km).	
"	9	KIR	iP 22 43 13.9
		UME	iP 22 43 44.6
		Alaska (h = 10 km).	
"	10	UPP	iPKP1 03 23 42.4
			ipPKP1 03 24 39.1
		KIR	iPKP1 03 23 20.9
		UME	iPKP1 03 23 25.9
		Kermadec Islands region	
		(h = 210 km).	
"	10	UPP	iP 03 46 21.0
		UME	iP 03 45 58.8
		Lake Baikal region (h = N).	
"	10	UPP	iPKP1 05 27 19.0
		KIR	iPKP 05 27 12.3
			iSKP1 05 27 42.1
		UME	i(PKP) 05 27 07.5
			iPKP 05 27 18.7
			iSKP1 05 29 53.5
		Fiji Islands region	
		(h = 640 km).	
		1985	
Mar.	10	UPP	iP 13 39 57.0
		KIR	iP 13 38 55.8
		UME	iP 13 39 26.3
		Alaska (h = 10 km).	
"	10	UPP	iP 15 38 36.8
			i 15 38 37.3
			micr sec
			i Z' 0.2 0.9
		KIR	iP 15 37 51.9
			micr sec
			P Z' 0.2 1.0
		UME	iP 15 38 12.2
		Hokkaido, Japan region	
		(h = 110 km).	
		m = 6.0 (UPP,KIR).	
"	10	UPP	iP 16 14 46.2
		Greece-Albania border region	
		(h = 10 km).	
"	10	UPP	iP 19 45 48.9
			ipP 19 46 07.2
		KIR	iP 19 45 41.9
		UME	iP 19 45 46.6
		El Salvador.	
		h = 80 km (UPP).	
"	10	UPP	iP 21 53 39.3
"	11	UPP	iP 03 12 47.7
			i 03 13 03.6
		UME	iP 03 12 25.7
		Near east coast of Honshu,	
		Japan (h = 50 km).	
"	11	UPP	iPKP1 06 33 36.8
		South of Fiji Islands	
		(h = 520 km).	
"	11	UPP	iP 12 38 57.4
			i 12 39 20.2
		KIR	iP 12 38 38.4
		UME	iP 12 38 45.0
		Leyte, Philippine Islands	
		(h = 100 km).	
"	11	UPP	eP 14 44 53
		KIR	iP 14 44 54.0
		UME	iP 14 44 46.2
		Northern India (h = N).	
"	11	UPP	i(P) 19 15 57.4
"	11	UPP	iP 22 44 10.0
"	12	UPP	iP 09 55 49.2
		Aegean Sea (h = 25 km).	

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1985				1985					
Mar.	12	UPP	iPKP1	11 12 37.9	Mar.	13	UME	iP	19 59 12.8
			iPKP2	11 12 44.6					
		KIR	iPKP1	11 12 17.2	"	13	KIR	iSg1	21 09 29.6
		UME	iPKP1	11 12 25.7			UME	iSg1	21 11 27.9
		Kermadec Islands (h = 10 km).						i	21 11 34.8
"	12	UPP	iSg1	18 34 55.3	Coast of northern Norway, near 70 3/4°N, 26°E. Origin time = 21 07 44. M _L (UPP) = 3.1 (0.26) 2. By combination with TRO and Finnish station readings. Felt.				
		KIR	iPg1	18 30 47.8					
			iSg1	18 31 04.7					
		UME	iPn	18 31 35.6					
			iPg1	18 31 52.7					
			iSg1	18 32 49.7					
		UDD	iSg1	18 35 11.4	"	14	UPP	iPKP1	06 45 25.3
			i	18 35 16.5			KIR	iPKP	06 45 16.3
		MYV	eSn	18 33 11			UME	iPKP	06 45 23.6
			iSg1	18 33 48.7			South of Fiji Islands (h = 530 km).		
		Northern Finland, 68.4°N, 23.8°E. Origin time = 18 30 24. M _L (UPP) = 3.0 (0.07) 5. Felt.			"	14	KIR	iP	10 01 54.4
							UME	iP	10 02 00.9
"	12	UPP	iP	20 48 39.5	Mindanao, Philippine Islands (h = 55 km).				
		Kuril Islands (h = 45 km).			"	14	UME	iP	11 41 11.9
"	13	UPP	iP	06 22 16.5	Turkey (h = 30 km).				
		Andreanof Islands, Aleutian Is. (h = N).			"	14	KIR	iP	15 12 48.1
							UME	iP	15 12 13.1
"	13	UDD	iSg1	09 00 57.1	Turkey (h = 15 km).				
		Southwestern Norway, 61.4°N, 5.8°E. Origin time = 08 58 53. Solution from Bergen bulletin.			"	14	UPP	iP	20 16 03.7
							KIR	iP	20 15 27.6
								i	20 15 42.7
							UME	iP	20 15 42.8
"	13	UPP	iPKP1	14 16 33.0	South of Honshu, Japan (h = 20 km).				
		South of Fiji Islands (h = 440 km).			"	14	UPP	iP	23 08 07.5
"	13	UPP	eP	14 46 06			UME	iP	23 08 51.1
		UME	iP	14 45 43.5	Southern Italy (h = 15 km).				
		Philippine Islands region (h = 50 km).			"	14	KIR	eP	23 51 19
					Yunnan Province, China (h = N).				
"	13	UPP	iP	19 46 29.6	"	15	UPP	iPKP1	00 34 19.5
			i	19 46 32.0				iSKP1	00 37 15.1
			iS	19 55 56			KIR	i(PKP)	00 34 10.8
				micr sec				iPKP	00 34 13.3
		P	Z'	0.1 1.3				iSKP1	00 36 50.6
		i	Z'	0.5 1.6			UME	i(PKP)	00 34 07.2
		Mx	Z	14.5 17				iPKP	00 34 14.8
		KIR	iP	19 45 47.9				iSKP1	00 37 03.0
				micr sec	Fiji Islands region (h = 550 km).				
			P	Z' 1.7 2.0					
		UME	iP	19 46 10.7					
			iS	19 55 22					
		Off coast of Oregon (h = 10 km). m = 6.6 (UPP,KIR).							

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1985				1985				
Mar.	15	UDD iSg1	12 35 36.1	Mar.	16	UPP iP	15 50 29.2	
		MYV iSg1	12 36 11.4			Crete (h = N).		
		Southern Norway, 60.2°N, 7.4°E.			"	17	UME iP	05 53 40.6
		Origin time = 12 34 00.					Off east coast of Honshu, Japan (h = N).	
		M ₁ (UPP) = 2.3 1.			"	17	UPP iP	07 07 21.2
		Solution from Bergen bulletin.					i	07 07 23.8
"	15	UPP iP	16 42 49.5				KIR iP	07 06 43.2
		KIR iP	16 42 15.3				UME iP	07 07 04.8
		UME iP	16 42 34.8				Western Idaho (h = 10 km).	
		Southern Nevada. Underground explosion.			"	17	UPP iPdiff	10 56 42
"	16	KIR iPKP	08 38 17.4				iPKP	11 00 21.4
		South Sandwich Islands region (h = N).					iPP	11 01 31.4
								micr sec
"	16	UPP iP	09 20 13.8				Mx Z	16 19
		KIR iP	09 20 18.9			KIR iPKP		11 00 27.2
		UME iP	09 20 10.2					micr sec
		Tajik SSR (h = N).					Mx Z	6.4 19
"	16	UPP iP	09 35 58.9			UME iPKP		11 00 23.6
		KIR iP	09 35 33.1					Near coast of central Chile (h = N).
		UME iP	09 35 42.6					M = 6.5 (UPP,KIR).
		Southwestern Ryukyu Islands (h = 70 km).		"	17	KIR iP	12 36 09.2	
"	16	UPP iP	14 56 54.0			UME iP	12 36 20.3	
		KIR iP	14 56 06.6				Halmahera (h = N).	
		UME iP	14 56 28.4	"	17	KIR iPn	14 30 01.4	
		Kuril Islands region (h = 50 km).				iSn	14 31 43.6	
"	16	UPP iP	15 05 15.7 C			UME iSn	14 33 18.9	
		iS	15 14 28				Barents Sea, near 77°N, 26 1/2° E.	
			micr sec				Origin time = 14 27 41.	
		P Z'	0.6 1.8				By combination with TRO and Finnish station readings.	
		Mx Z	24 22	"	18	UME iP	03 45 48.5	
		KIR iP	15 05 24.1 C	"	18	UPP i(P)	14 22 59.6	
			micr sec	"	18	UDD iSg1	16 01 59.2	
		P Z'	0.6 1.8			MYV iSg1	16 02 18.2	
		Mx Z	8.1 19			Southwestern Norway, 60.7°N, 5.9°E.		
		UME iP	15 05 23.7 C			Origin time = 15 59 56.		
		iS	15 14 44			Solution from Bergen bulletin.		
		Leeward Islands (h = 15 km). m = 6.3, M = 6.3 (UPP,KIR).		"	18	UPP iP	20 02 47.2	
"	16	UPP iP	15 08 29.9			i	20 02 49.0	
		KIR iP	15 08 36.1			iS	20 13 17	
		UME iP	15 08 35.8				micr sec	
		Leeward Islands (h = N).				Mx Z	35 17	
"	16	UPP iP	15 24 45.6			KIR iP	20 02 31.0	
		UME iP	15 24 25.6				micr sec	
		South of Honshu, Japan (h = N).				P Z'	0.3 1.2	
						(cont.)		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985			
Mar.	18	(cont.)	Mar.	21	UPP ip	03 17 52.1
		KIR			KIR eP	03 16 21
		Mx Z			UME ip	03 17 07.7
		26 18			North of Svalbard (h = 10 km).	
		UME ip				
		20 02 35.9				
		iS				
		21 13 05				
		Mindanao, Philippine Islands	"	21	UPP eP	07 42 52
		(h = N).			KIR ip	07 42 54.7
		m = 6.2, M = 6.8 (UPP,KIR).			UME ip	07 42 50.0
					Nicobar Islands region (h = N).	
"	19	UPP ip		21	UPP ip	08 00 40.4
		UME ip			i	08 00 44.5
		01 29 44.7			KIR ip	08 00 40.9
		01 29 17.2			UME ip	08 00 34.7
		Rat Islands, Aleutian			Nicobar Islands region (h = N).	
		Islands (h = N).				
"	19	UPP ipKP		21	UPP ip	08 30 32.1
		04 19 52.0			i	08 30 40.8
		micr sec			KIR ip	08 30 35.9
		Mx Z			UME ip	08 30 30.9
		35 21			Nicobar Islands region (h = N).	
		KIR ipKP				
		04 19 57.4				
		micr sec				
		Mx Z				
		22 22				
		UME ipKP				
		04 19 53.1				
		Near coast of central Chile				
		(h = 40 km).				
		M = 6.9 (UPP,KIR).				
"	19	KIR ipP		21	UPP ip	08 40 04.3
		10 57 12.1			i	08 40 14.8
		UME ipP			KIR ip	08 40 08.0
		10 57 12.7			UME ip	08 40 04.1
		Leeward Islands (h = 15 km).				
"	19	UPP ip		21	UPP i(P)	12 34 20.3
		16 32 51.4				
		UME ip				
		16 32 49.7				
		Hindu Kush region				
		(h = 100 km).				
"	20	KIR ipKP		22	UPP ip	06 25 06.0
		03 05 14.5			KIR ip	06 24 11.9
		UME ipKP			Rat Islands, Aleutian Islands	
		03 05 11.6			(h = N).	
		Near coast of central Chile				
		(h = N).				
"	20	UPP ip		22	UPP ip	14 56 11.9
		06 05 14.9			ipp	14 59 58.4
		KIR ip			iSKS	15 06 42
		06 04 36.6				micr sec
		Honshu, Japan (h = 70 km).			P	Z' 0.2 0.9
"	20	UPP ip			Mx	Z 7.0 18
		14 06 00.4			KIR ip	14 56 09.6
		KIR ip				micr sec
		14 05 47.9			P	Z' 0.7 1.0
		UME ip			Mx	Z 9.6 23
		14 05 51.7			UME ip	14 56 08.5
		Southeast Asia (h = 10 km).			Sunda Strait (h = 70 km).	
"	21	UPP ip			m = 6.8, M = 6.2 (UPP,KIR).	
		00 00 22.9			M not corrected for focal	
		KIR ip			depth.	
		00 00 22.1				
		UME ip				
		00 00 24.6				
		North Atlantic Ocean				
		(h = 10 km).				
"	21	UPP i(P)		22	UPP ip	19 16 52.2
		01 56 48.2			UME ip	19 16 42.4
"	21	UPP i(P)			Mindanao, Philippine Islands	
		02 10 59.3			(h = 50 km).	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Mar.	22	UPP	iP	20 42 25.0	Mar.	25	(cont.)		
		UME	iP	20 43 00.7			UME	iPKP	05 33 22.9
				Greece (h = 10 km).					Near coast of central Chile (h = 45 km).
"	22	UPP	iP	20 43 34.4	"	25	UPP	iPKP	09 15 06.2
				Greece-Albania border region (h = 10 km).			KIR	iPKP	09 14 52.5
							UME	iPKP	09 14 58.8
"	23	KIR	iPKP	14 04 10.5			Santa Cruz Islands (h = N).		
		UME	iPKP	14 04 07.3	"	25	UPP	ePdiff	11 21 06
				Near coast of central Chile (h = 55 km).				iPP	11 25 33.2
"	23	UME	iPKP	14 55 44.7			KIR	iPdiff	11 20 48.2
				Off coast of central Chile (h = 55 km).			UME	iPdiff	11 20 54.5
							Banda Sea (h = 250 km).		
"	23	UPP	iP	18 41 48.5 C	"	25	UPP	iP	16 17 07.3
		KIR	iP	18 41 14.5 C			UME	iP	16 16 52.0
		UME	iP	18 41 34.0 C			California-Nevada border region (h = 5 km).		
				Southern Nevada.	"	26	UPP	iP	07 06 29.0
				Underground explosion.			KIR	iP	07 07 53.1
"	23	UPP	iP	21 43 45.2			UME	iP	07 07 09.8
							Romania (h = 150 km).		
"	23	UPP	iP	21 45 41.5	"	26	UPP	iP	23 38 45.7
			ipP	21 46 42.7			UME	iP	23 38 17.0
				micr sec			Near east coast of Kamchatka (h = 90 km).		
			P	Z' 0.1 0.7	"	27	UPP	iP	02 13 34.4 C
		KIR	iP	21 44 49.1				i	02 19 04.9
			ipP	21 45 48.0			KIR	iP	02 14 14.2 C
		UME	iP	21 45 15.6			UME	iP	02 13 49.0 C
			ipP	21 46 14.9			Western Iran (h = 55 km).		
				Andreanof Islands, Aleutian Is. h = 280 km (UPP,KIR,UME).	"	27	UPP	iP	12 58 54.9 C
"	24	KIR	iPKP	16 35 26.0				i	12 59 51.8
		UME	iPKP	16 35 22.7				iS	13 07 40
				Near coast of central Chile (h = 25 km).				micr sec	
"	24	UPP	iP	18 00 57.6				P	Z' 0.9 1.0
		KIR	iP	18 00 04.4			KIR	iP	12 58 08.5 C
		UME	iP	18 00 31.0				micr sec	
				Andreanof Islands, Aleutian Is. (h = N).				P	Z' 0.3 1.0
							UME	iP	12 58 29.6 C
"	25	UME	iP	01 44 25.7				iS	13 06 56
				South of Panama (h = N).			Kuril Islands (h = 160 km). m = 6.3 (UPP,KIR).		
"	25	UPP	iPKP	05 33 17.6	"	27	UPP	i(P)	13 30 38.1
				micr sec					
			Mx	Z 14 18	"	27	UPP	iP	16 21 07.7
		KIR	iPKP	05 33 25.3			KIR	iP	16 21 38.2
				micr sec			UME	iP	16 21 16.4
			PKP	Z' 0.1 1.3			Turkmen SSR (h = 25 km).		
				(cont.)					

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985				
Mar.	27	UPP iPKP1 UME iPKP1 Kermadec Islands (h = 130 km).	22 16 41.2 22 16 28.8	Mar.	31	UPP iP UME iP Bonin Islands region (h = 100 km).	21 50 05.9 21 49 46.2
"	28	UME iP Honshu, Japan (h = 5 km).	07 24 19.4	"	31	UME iP	22 02 41.0
"	28	UPP iP KIR iP UME iP North Atlantic Ridge (h = 10 km).	09 57 14.9 09 57 36.2 09 57 29.5	"	31	UME iP	22 04 39.7
"	28	UPP iP ipP iS P Z' Mx Z KIR iP micr sec Mx Z UME iP iS Honshu, Japan. h = 170 km (UPP). M = 5.9 (UPP,KIR). M not corrected for focal depth.	16 17 58.4 D 16 18 39.2 16 26 48 1.5 1.3 5.3 16 16 17 17.0 D micr sec 6.5 18 16 17 35.2 D 16 26 09	"	31	UPP iP UME iP	22 10 17.2 22 09 58.9
"	29	KIR iPn iSn UME iSn Norwegian Sea, near 72°N, 13°E. Origin time = 04 41 56. By combination with Finnish station readings.	04 43 13.0 04 44 07.0 04 45 38.4				
"	29	UPP i(P)	09 59 47.2				
"	30	UDD i iSg1 MYV iSg1 Off coast of southern Norway, 57.8°N, 6.4°E. Origin time = 13 28 43. M _L (UPP) = 2.4 1. By combination with Bergen station readings.	13 30 25.9 13 30 50.3 13 31 56.2				October 17, 1986 Ronald Arvidsson Conny Holmqvist Ota Kulhánek Klaus Meyer
"	30	UPP iP UME iP Tibet (h = 45 km).	20 41 54.0 20 41 43.3				
"	31	UPP iP Andreanof Islands, Aleutian Is. (h = N).	05 08 05.5				

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 DELARY and MYRVIKEN

Uppsala	(UPP)	59 ⁰ 51.5'N,	17 ⁰ 37.6'E;	h = 14 m
Kiruna	(KIR)	67 ⁰ 50.4'N,	20 ⁰ 25.0'E;	h = 390 m
Umeå	(UME)	63 ⁰ 48.9'N,	20 ⁰ 14.2'E;	h = 16 m
Uddeholm	(UDD)	60 ⁰ 05.4'N,	13 ⁰ 36.4'E;	h = 240 m
Delary	(DEL)	56 ⁰ 28.2'N,	12 ⁰ 52.2'E;	h = 150 m
Myrviken	(MYV)	62 ⁰ 56.5'N,	14 ⁰ 20.8'E;	h = 345 m

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1985					1985			
Apr.	1	UPP	iP	09 24 00.4	Apr.	2	(cont.)	
		KIR	eP	09 23 21			KIR	iPKP 03 39 43.6
		UME	eP	09 23 44				iSKP1 03 42 13.7
		Montana (h = 10 km).					UME	i(PKP) 03 39 39.1
								i(PKP) 03 39 44.8
"	1	UPP	Mx	11 32				iPKP 03 39 50.3
				micr sec				iSKP1 03 42 25.5
			Mx	Z 1.5 22			Fiji Islands region	
		Off coast of Mexico					(h = 640 km).	
		(h = 50 km).			"	2	UPP	iP 04 06 19.4
"	1	UPP	i(P)	14 05 26.5			KIR	iP 04 06 25.4
							UME	eP 04 06 16
"	1	KIR	eP	14 09 23			Tajik SSR (h = 190 km).	
		UME	iP	14 09 41.9				
		Near east coast of Honshu,			"	2	UPP	iPKP1 05 26 02.0
		Japan (h = 55 km).					South of Fiji Islands	
		(h = 55 km).					(h = 530 km).	
"	1	UPP	iP	20 26 03.8				
		UME	iP	20 25 44.8	"	2	UPP	iP 14 48 31.0
		Bonin Islands region					KIR	iP 14 48 11.9
		(h = 30 km).					UME	eP 14 48 20
		Luzon, Philippine Islands					(h = 50 km).	
"	2	UPP	ePKP	01 51 35				
			i	01 51 45.1	"	2	UPP	iSg1 19 33 31.1
		UME	iPKP	01 51 29.9			KIR	iPg1 19 30 04.3
		Tonga Islands region						iSg1 19 30 22.4
		(h = N).					UME	iPn 19 30 35.7
"	2	UPP	iPKP1	02 14 52.1				iPg1 19 30 39.1
			iPKP2	02 14 57.1				iSg1 19 31 23.0
		KIR	ePKP1	02 14 30			UDD	iSg1 19 33 48.5
		UME	iPKP1	02 14 41.0			DEL	iSg1 19 35 29.2
		Kermadec Islands region					MYV	iPn 19 31 04.0
		(h = 520 km).						i 19 31 57.4
"	2	UPP	iPKP1	03 39 50.7				iSg1 19 32 28.8
		(cont.)					Norrbotten, Sweden, 66.9 ⁰ N,	
							23.3 ⁰ E.	
							(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985		1985	
Apr.	2	(cont.) Origin time = 19 29 40. M_L (UPP) = 3.2 (0.14) 6. Felt.	Apr. 3 UPP iP 20 32 43.6 KIR iP 20 32 12.0 UME iP 20 32 25.8 Bonin Islands region (h = 470 km).
"	2	UPP iP 20 11 48.7 C P Z' 0.4 1.5 KIR iP 20 11 14.5 C P Z' 0.3 1.5 UME iP 20 11 33.6 C Southern Nevada. m = 6.2 (UPP,KIR). Underground explosion.	" 3 UPP iP 20 32 55.8 ipP 20 34 40.5 iS 20 42 18.5 P Z' 1.0 0.8 Mx Z 3.8 19 KIR iP 20 32 23.7 ipP 20 34 05.4 P Z' 1.3 1.0 Mx Z 2.4 17 UME iP 20 32 37.9 ipP 20 34 19.0 iS 20 41 45.7 Bonin Islands region. h = 470 km (UPP,KIR,UME). m = 6.5, M = 5.7 (UPP,KIR). M uncorrected for focal depth.
"	3	KIR eP 01 51 07 UME eP 01 50 41 N.W. Iran-USSR border region (h = 25 km).	" 4 KIR iP 04 09 13.0 UME iP 04 09 05.4 Kirghiz SSR (h = N).
"	3	UPP iP 08 28 38.1 P Z' 0.2 1.5 Mx Z 2.0 28 KIR iP 08 27 46.8 P Z' 0.1 1.0 UME iP 08 28 11.2 Near east coast of Kamchatka (h = N). m = 5.9 (UPP,KIR).	" 4 KIR iP 05 49 02.8 UME eP 05 49 14 South of Mariana Islands (h = N).
"	3	UPP iP 10 25 51.6 UME iP 10 25 45.3 Burma (h = N).	" 4 UPP iP 08 52 20.4 ipP 08 52 28.8 P Z' 0.1 1.0 KIR iP 08 52 19.7 ipP 08 52 28.2 UME iP 08 52 16.0 ipP 08 52 24.4 Andaman Islands region. h = 30 km (UPP,KIR,UME).
"	3	UPP Mx 14 11 Mx Z 5.4 23 KIR iPKP 13 25 09.5 Mx Z 1.1 18 UME i(PKP) 13 24 56.8 iPKP 13 25 06.0 Near coast of central Chile (h = N). M = 5.9 (UPP,KIR).	" 4 UPP iPKP2 17 52 48.6 KIR iPKP2 17 52 21.0 UME ePKP1 17 52 25 Off e. coast of N. Island, N.Z. (h = 70 km).
"	3	UPP iPKP1 18 32 14.4 iPKP2 18 32 22.6 KIR ePKP1 18 31 54 i 18 32 00.8 UME iPKP 18 32 01.6 iPKP1 18 32 03.6 South of Kermadec Islands (h = N).	" 5 UPP iP 00 05 12.7 KIR iP 00 05 02.2 UME iP 00 05 09.6 i 00 05 17.3 Off coast of central America (h = N).

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1985			1985			
Apr.	5	UPP iPKP1 UME iPKP South of Fiji Islands (h = 510 km).	02 44 30.3 02 44 19.1	Apr.	7 (cont.) KIR Mx Mx Z UME ePKP Easter Island Cordillera (h = 10 km). M = 6.5 (UPP,KIR).	01 48 micr sec 3.8 18 00 39 29
"	5	UPP iP ipP KIR iP i P Z' UME iP ipP Kyushu, Japan. h = 130 km (UPP,UME).	07 36 46.8 07 37 17.4 07 36 13.3 C 07 36 24.0 0.2 1.0 07 36 27.1 C 07 36 56.7	"	7 UME iP North of Halmahera (h = 80 km).	09 44 28.6
"	5	KIR iP ipP UME eP Halmahera (h = 150 km).	13 13 28.0 13 14 02.7 13 13 33	"	7 UPP iP UME iP Luzon, Philippine Islands (h = 25 km).	11 23 20.2 11 23 27.5 11 23 17.0 11 23 24.9
"	6	UPP iP KIR iP UME iP Turkey (h = 10 km).	04 47 03.1 04 48 03.7 04 47 30.0 C	"	7 UPP iP UME iP i Ionian Sea (h = 30 km).	12 55 10.6 12 54 57.3 C 13 39 19.1
"	6	KIR iP UME iP USSR-Mongolia border region (h = N).	05 39 54.2 05 40 05.1	"	7 UPP iP UME iP Arabian Sea (h = 10 km).	21 36 29.4 21 36 39.8
"	6	KIR iP UME eP Central Mid-Atlantic Ridge (h = 10 km).	14 34 51.1 14 34 39	"	8 UPP iP KIR eP i UME eP Central Mid-Atlantic Ridge (h = 10 km).	10 06 42.5 10 07 16 10 07 21.9 10 07 00
"	6	KIR iP UME iP Fox Islands, Aleutian Islands (h = N).	16 50 31.3 16 50 58.2	"	8 UPP iP UME eP South of Fiji Islands (h = 110 km).	10 34 26.8 10 34 15
"	6	UPP eSKP1 KIR iSKP1 UME ePKP iSKP1 Fiji Islands region (h = 580 km).	20 08 36 20 08 11.9 20 05 47 20 08 24.6	"	8 UPP iPdiff Mx Z KIR iPdiff micr sec Mx Z UME iPdiff West Irian region (h = 15 km). M = 6.1 (UPP,KIR).	19 29 28.8 6.3 22 19 29 05.2 micr sec 4.3 19 19 29 16.6
"	6	UPP iP KIR eP UME iP Southern Nevada. Underground explosion.	23 26 48.6 23 26 15 23 26 33.9 C	"	9 UPP iPdiff iPKP (cont.)	02 11 59 02 15 46
"	7	UPP iPKP2 Mx Z (cont.)	00 40 08.7 micr sec 7.7 19			

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985										1985	
Apr.	9	(cont.)				Apr.	10	UPP	iP	20 28	43.5
		UPP	iPP	02 16	57			KIR	iP	20 28	45.7
					micr sec			UME	iP	20 28	47.2 D
			Mx	Z	69.6 25			Colombia (h = 10 km).			
		KIR	iPKP		02 15 49.1						
			iPP		02 17 15.8		"	10	UPP	iP	20 48 19.7
					micr sec				i	20 48 39.8	
			Mx	Z	24.1 20					micr sec	
		UME	iPdiff		02 12 14				P	Z'	0.1 1.0
			iPKP		02 15 46.7			KIR	iP	20 47 28.3 C	
			iPP		02 17 15.5				i	20 47 48.2	
		Near coast of central Chile (h = 40 km).								micr sec	
		M = 7.1 (UPP,KIR).							P	Z'	0.1 1.0
"	9	UPP	iP		03 09 53.1			UME	iP	20 47 52.3 C	
		UME	iP		03 09 49.3				i	20 48 12.0	
		Tajik SSR (h = N).						Kuril Islands region (h = 30 km).			
"	9	UPP	iP		03 37 28.7			m = 5.9 (UPP,KIR).			
"	9	UPP	iP		05 27 15.7		"	11	UPP	iPKP1	12 14 57.5
					micr sec				i	12 14 58.6	
			Mx	Z	5.7 21				iPKP2	12 15 10.0	
		KIR	iP		05 26 38.6			KIR	iPKP1	12 14 39.1 C	
					micr sec			UME	iPKP	12 14 44.7 C	
			Mx	Z	1.7 17				iPKP1	12 14 48.8	
		UME	iP		05 26 54.3 C			Off e. coast of N. Island, N.Z. (h = 110 km).			
		Near east coast of Honshu, Japan (h = 45 km).					"	11	UPP	iPKP1	23 30 46.1
		M = 5.7 (UPP,KIR).							UME	iPKP1	23 30 35.3
"	10	UME	iP		00 18 41.9			South of Kermadec Islands (h = N).			
		Kuril Islands (h = 90 km).					"	12	UME	eP	00 11 19
"	10	UME	eP		05 22 14			Kuril Islands (h = N).			
			iPP		05 22 47.4		"	12	UPP	iP	03 16 29.6
		Dominican Republic region (h = 140 km).							KIR	eP	03 16 39
"	10	UPP	iP		16 37 36.5 D				i	03 17 05.0	
			ipP		16 39 11.4			Hindu Kush region (h = N).			
			iS		16 46 54.1		"	12	UPP	iPKP	06 31 44.6
					micr sec					micr sec	
			P	Z'	0.7 0.9				Mx	Z	2.4 18
			Mx	Z	1.6 17			KIR	iPKP	06 31 30.9	
		KIR	iP		16 37 03.8 D					micr sec	
			ipP		16 38 34.7				Mx	Z	1.7 19
			iS		16 45 53.1			UME	iPKP	06 31 37.4	
					micr sec			Santa Cruz Islands (h = N).			
			P	Z'	0.4 1.0			M = 5.9 (UPP,KIR).			
			Mx	Z	2.2 15		"	12	UPP	iP	10 26 15.3
		UME	iP		16 37 17.6 D				KIR	eP	10 25 20
			ipP		16 38 51.5			Near east coast of Kamchatka (h = N).			
			iS		16 46 20.4						
		South of Honshu, Japan.									
		h = 430 km (UPP,KIR,UME).									
		m = 6.1, M = 5.5 (UPP,KIR).									
		M uncorrected for focal depth.									

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Apr.	12	KIR	iP	15 08 03.7	Apr.	13	UPP	iP	17 19 48.3
			i	15 08 28.6					
		UME	iP	15 08 00.6	"	14	UPP	iP	07 10 47.2
			i	15 08 25.3			KIR	iP	07 10 18.9
		Northern Sumatera (h = 120 km).					UME	iP	07 10 32.2
							ipP	07 11 25.5	
"	12	UPP	iP	16 23 36.5			Mariana Islands. h = 220 km (UME).		
		UME	iP	16 23 15.5	"	14	UPP	iPKP1	14 01 58.3
		Near east coast of Honshu, Japan (h = 70 km).					South of Tonga Islands (h = N).		
"	13	UPP	iPdiff	01 19 40.2 C	"	14	UPP	iP	21 49 55.1
			i(PP)	01 22 54.2			UME	iP	21 49 29.0
			iPP	01 23 45.1			Kuril Islands (h = N).		
			i	01 23 54.9	"	15	UPP	iP	04 18 26.1
				micr sec			KIR	iP	04 17 32.5
			Pdiff	Z' 0.2 1.1			UME	iP	04 18 00.1
		KIR	iPdiff	01 19 33.6 C			South of Alaska (h = N).		
			iPP	01 23 32.5	"	15	UPP	i(P)	11 30 41.8
				micr sec					
			Pdiff	Z' 0.3 1.5	"	15	UPP	iP	11 32 04.3
		UME	iPdiff	01 19 34.2 C			KIR	iP	11 32 23.1
			i(PP)	01 23 20.9			UME	iP	11 32 08.8
			iPP	01 23 32.3			Pakistan (h = N).		
		South of Bali Island (h = 100 km). m = 6.7 (UPP,KIR).			"	15	UPP	iP	23 28 49.3
"	13	UPP	iP	03 13 36.4	"	16	UPP	iP	00 44 58.9
				micr sec					micr sec
			P	Z' 0.2 0.9					
			Mx	Z 63.1 28					
		KIR	iP	03 13 21.1					
				micr sec					
			P	Z' 0.5 1.0					
			Mx	Z 34.2 25					
		UME	iP	03 13 26.0					
		Molucca Passage (h = 50 km). m = 6.8, M = 6.9 (UPP,KIR).			"	16	UPP	i(P)	07 32 29.1
"	13	KIR	iP	04 01 38.5	"	16	UPP	iPKP1	12 49 25.6
		UME	iP	04 02 05.4			South of Fiji Islands (h = 500 km).		
		Fox Islands, Aleutian Island (h = N).			"	16	UPP	iP	12 51 18.1
"	13	KIR	iP	04 24 02.1			i	12 51 20.9	
		Leeward Islands (h = 20 km).							micr sec
"	13	UPP	iP	04 29 04.1			i	Z' 0.2 0.8	
		KIR	iP	04 28 12.9			KIR	eP	12 52 37
		UME	iP	04 28 36.3			UME	iP	12 52 01.5
							i	12 52 08.8	
							Greece-Albania border region (h = 10 km).		
"	13	KIR	iP	16 55 51.1	"	16	UPP	iP	13 12 35.9
		UME	iP	16 56 18.4			Greece-Albania border region (h = 10 km).		
		Unimak Island region (h = N).							

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1985				1985			
Apr.	16	UPP iP	17 20 44.6	Apr.	17	(cont.)	
		KIR iP	17 20 27.9			Origin time = 18 11 17.	
		UME iP	17 20 33.3			$M_L(\text{UPP}) = 1.4$ 1.	
		Talaud Islands (h = 120 km).				Felt.	
"	16	UPP iP	19 05 09.2			By combination with Finnish station readings.	
		i	19 05 18.3				
		Greece-Albania border region (h = 10 km).		"	17	UME i(P)	18 28 05.5
"	16	UPP iP	20 30 37.9	"	18	UPP iP	00 17 04.6
		KIR iP	20 30 28.2			i	00 17 05.7
		Northern Xinjiang, China (h = N).					micr sec
						i	Z' 0.5 1.0
						Mx	Z 3.6 22
"	16	UPP iPKP1	22 24 44.6			KIR iP	00 16 11.6
		iPKP2	22 24 51.3			i	00 16 28.2
			micr sec				micr sec
		PKP1	Z' 0.1 1.0			P	Z' 0.4 1.0
		PKP2	Z' 0.3 1.0			UME iP	00 16 36.6
		KIR ePKP1	22 24 23			Off east coast of Kamchatka (h = N).	
		UME iPKP1	22 24 33.7			m = 6.5 (UPP,KIR).	
		Kermadec Islands region (h = 440 km).		"	18	UPP iP	04 17 21.0 C
"	17	UPP iP	00 38 48.0				micr sec
		KIR iP	00 38 06.1 C			P	Z' 0.1 1.0
		UME iP	00 38 24.7 C			KIR iP	04 16 27.8 C
		Near east coast of Honshu, Japan (h = 45 km).				UME iP	04 16 52.7 C
						Off east coast of Kamchatka (h = N).	
"	17	UPP iP	02 08 43.7	"	18	UPP iP	06 03 37.9
		KIR iP	02 08 35.6			i	06 03 41.4
		UME iP	02 08 35.0				micr sec
		Burma (h = 40 km).				i	Z' 0.3 1.0
"	17	UPP iSg1	16 03 02.2			Mx	Z 5.1 19
		UME iSg1	16 03 14.3			KIR iP	06 03 23.5
		UDD iSg1	16 02 04.8			i	06 03 26.6
		DEL iSg1	16 03 31.0				micr sec
		MYV iPg1	16 00 55.0			i	Z' 0.2 1.0
		iSg1	16 01 49.8			UME iP	06 03 26.4
		Off coast of southwestern Norway, near 62 1/2°N, 5 1/2°E.				i	06 03 29.4
		Origin time = 15 59 41.				Yunnan Province, China (h = 5 km).	
		$M_L(\text{UPP}) = 2.9$ (0.08) 3.				m = 6.4 (UPP,KIR).	
"	17	KIR eP	16 14 17	"	18	KIR iP	06 25 16.3
		UME iP	16 14 38.3			UME iP	06 25 19.1
						Yunnan Province, China (h = 5 km).	
"	17	KIR iPg1	18 12 03.5	"	18	KIR iP	06 26 30.3
		iSn	18 12 31.6			Alaska Peninsula (h = 25 km).	
		iSg1	18 12 36.2				
		UME iSg1	18 13 40.2	"	18	KIR iP	09 53 04.0 C
		Northern Finland 67.5°N, 27.5°E.				UME iP	09 53 09.4
		(cont.)				Molucca Sea (h = 70 km).	

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1985				1985			
Apr.	18	UPP eP KIR eP UME iP Yugoslavia (h = 10 km).	14 45 50 14 47 14 14 46 32.0	Apr.	20	UPP i(P) KIR iP UME iP i	05 37 38.2 10 46 24.0 10 46 42.0 C 10 46 51.7
"	18	UPP iP KIR iP UME iP Off east coast of Kamchatka (h = N).	21 07 23.2 21 06 30.2 21 06 55.1 C	"	20	UPP i(P) UPP iP KIR eP UME eP Southern Iran (h = N).	11 49 54.9 14 54 58.4 14 55 37 14 55 13
"	19	UPP iP KIR iP Southern Iran (h = N).	07 53 02.1 07 53 35.8	"	20	UPP iP KIR iP i Mx Z KIR iP i Mx Z UME iP i	18 36 20.0 micr sec 4.6 20 18 36 19.8 18 36 30.0 micr sec 2.8 20 18 36 22.3 18 36 33.4
"	19	UPP iSg1 UDD iSn DEL eSg1 Southern Norway, near 59 1/4°N, 6 1/2°E. Origin time = 07 54 52. By combination with Bergen bulletin.	07 57 37.6 07 56 34.9 07 57 12	"	20	UPP iP KIR iP i Mx Z UME iP i	18 36 20.0 18 36 19.8 18 36 30.0 micr sec 2.8 20 18 36 22.3 18 36 33.4
"	19	UME iP Poland (h = 10 km).	14 50 47.9	"	20	UPP iP KIR iP i Mx Z UME iP i	Near north coast of Colombia (h = 40 km). M = 5.8 (UPP,KIR).
"	19	UPP iP Mx Z KIR iP Mx Z UME iP Near coast of Nicaragua (h = 70 km). M = 5.9 (UPP,KIR). M uncorrected for focal depth.	17 55 48.3 micr sec 4.9 21 17 55 41.0 micr sec 4.7 20 17 55 48.6 C	"	21	KIR iP UME iP Kirghiz SSR (h = N).	05 40 30.2 05 40 23.3
"	19	UME iP Near coast of Nicaragua (h = 60 km).	18 08 13.5	"	21	UPP iP iS P Z' Mx Z KIR iP P Z' Mx Z UME iP iS	08 54 55.4 08 59 15.0 micr sec 0.1 0.8 6.6 17 08 56 06.6 C micr sec 0.2 1.3 3.0 15 08 55 30.3 C 09 00 30
"	20	UPP iP KIR iP UME iP Southern Iran (h = N).	00 06 45.6 00 07 21.5 00 06 58.6	"	21	UPP iP UME iP Northeast of Taiwan (h = 290 km).	10 38 45.8 10 38 29.3
"	20	UPP iPKP KIR iPKP UME iPKP South Sandwich Islands region (h = 110 km).	02 45 09.9 02 45 24.3 02 45 17.5	"	21	UPP iP UPP iP South of Fiji Islands (h = 530 km).	12 34 25.3 C
"	20	KIR iP Tajik-Xinjiang border region (h = 140 km).	03 16 04.6	"	21	UPP iP (cont.)	13 30 21.0

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1985				1985					
Apr.	24	UPP	iP	01 19 34.2	Apr.	25	UPP iP	03 21 03.7	
			i	01 19 37.1			KIR iP	03 20 15.2	
			iS	01 29 45			Kuril Islands region (h = 35 km).		
				micr sec					
			i	Z' 0.2 0.9		"	25	UPP iP	05 06 05.5
			Mx	Z 14.3 15				KIR iP	05 06 42.4
		KIR	iP	01 19 14.6			Southern Iran (h = 10 km).		
			i	01 19 18.7					
			i	01 19 36.9					
				micr sec		"	25	UME iP	12 07 29.7
			i	Z' 0.4 1.5			Panama-Colombia border region (h = N).		
			Mx	Z 11.0 13					
		UME	iP	01 19 20.9					
			i	01 19 23.1		"	25	UPP eP	14 28 23
			iS	01 29 21				KIR iP	14 28 18.2
		Luzon, Philippine Islands (h = N).						UME iP	14 28 17.1
		m = 6.2, M = 6.5 (UPP,KIR).					Java (h = 80 km).		
"	24	UPP	iP	06 58 01.6	"	25	UME iP	14 40 30.2	
				micr sec			Nicobar Islands region (h = N).		
			P	Z' 0.1 0.9		"	25	UPP iP	15 39 09.1
		KIR	eP	06 57 53				KIR iP	15 39 10.1
			i	06 57 55.2				UME iP	15 39 05.5
				micr sec			Nicobar Islands region (h = N).		
			P	Z' 0.1 1.0		"	25	UPP iP	15 42 06.9
		Burma (h = 30 km).						i	15 42 16.3
		m = 5.9 (UPP,KIR).							micr sec
"	24	UPP	iP	18 25 20.0 C				P	Z' 0.2 1.0
			iPP	18 27 00.3			KIR	iP	15 42 08.2
				micr sec					micr sec
			P	Z' 0.1 0.8				P	Z' 0.1 1.0
		KIR	iP	18 25 29.1 C			UME	iP	15 42 03.4
				micr sec				i	15 42 08.4
			P	Z' 0.2 1.0			Nicobar Island region (h = N).		
		Hindu Kush region (h = 210 km).					m = 6.0 (UPP,KIR).		
		m = 5.5 (UPP,KIR).							
"	24	UPP	iP	22 17 29.2	"	25	UPP iP	23 46 38.1	
		KIR	iP	22 16 34.7			South of Fiji Islands (h = N).		
		Alaska Peninsula (h = N).				"	26	UME iP	00 33 01.5
"	25	UPP	iP	01 04 04.5 C			Southern Honshu, Japan (h = 370 km).		
			iPn	01 05 11.1					
			iPP	01 05 23.3		"	26	KIR iP	12 20 32.5
				micr sec				UME iP	12 20 39.7
			P	Z' 1.4 1.0			Fiji Islands region (h = 450 km).		
		KIR	iP	01 03 48.1 C					
				micr sec		"	26	KIR iP	15 57 01.9
			P	Z' 1.8 0.8				UME iP	15 57 10.2
		Eastern Kazakh SSR.					Molucca Passage (h = 50 km).		
		m = 6.9 (UPP,KIR).							
		Underground explosion.							

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985				
Apr.	26	UPP	iPKP1	23 04 07.4	Apr.	27	UPP eP	08 28 33
			iPKP2	23 04 13.7			KIR eP	08 28 36
		KIR	ePKP1	23 03 46			Kirghiz SSR (h = N).	
		UME	iPKP1	23 03 55.5				
		Kermadec Islands region			"	27	UPP iPKP1	10 30 31.6
		(h = 90 km).					iSKP1	10 33 53.1
"	26	UME	iP	23 33 22.6			KIR e(PKP)	10 30 22
		Alaska Peninsula (h = 110 km).					iPKP	10 30 25.4
"	27	KIR	iPKP	00 52 08.0			iSKP1	10 33 28.8
		UME	i(PKP)	00 52 05.7			UME e(PKP)	10 30 19
			iPKP	00 52 15.8			iPKP	10 30 31.7
		Tonga Islands (h = 80 km).					iSKP1	10 33 38.6
"	27	UPP	iP	01 38 56.8 D	"	27	UPP iP	12 37 41.2
			iPP	01 40 26.0			UME iP	12 38 16.9
				micr sec			Turkey (h = 5 km).	
			P	Z' 0.3 1.2				
		KIR	iP	01 39 00.9 D	"	27	UPP iP	16 29 10.7
			iPP	01 40 32.5			i	16 31 50.8
				micr sec			KIR eP	16 30 37
			P	Z' 0.5 1.0			UME iP	16 29 53.9
		UME	iP	01 38 52.0 D			i	16 30 05.8
		Tajik-Xinjiang border region					Romania (h = 80 km).	
		(h = 100 km).						
		m = 6.1 (UPP,KIR).			"	28	UME iP	03 34 46.8
"	27	UPP	iP	04 21 42.5			South of Honshu, Japan	
		KIR	iP	04 21 46.5			(h = 180 km).	
				micr sec	"	28	KIR iPKP	08 49 35.9 D
			P	Z' 0.1 1.0				micr sec
		UME	iP	04 21 37.9			PKP	Z' 0.3 1.5
			i	04 21 41.4			UME iPKP	08 49 33.7 D
		Tajik SSR (h = N).					i	08 49 38.3
"	27	KIR	iP	04 26 58.0			Off coast of Central Chile	
		UME	iP	04 27 03.3			(h = 10 km).	
		Mindanao, Philippine Islands			"	28	UPP Mx	00 04
		(h = 600 km).						micr sec
"	27	UPP	iP	04 57 05.8			Mx	Z' 1.0 18
		KIR	iP	04 57 10.0			KIR iPKP	23 15 52.7
				micr sec			i	23 16 18.6
			P	Z' 0.1 1.0				micr sec
		UME	iP	04 57 01.0 C			PKP	Z' 0.2 1.4
		Tajik SSR (h = N).					Mx	Z 1.7 22
"	27	UME	iP	05 05 13.6			UME iPKP	23 15 45.6
		Off east coast of Honshu,					i	23 16 05.2
		Japan (h = 10 km).					South Sandwich Islands region	
							(h = N).	
							M = 5.6 (UPP,KIR).	
"	27	UPP	iP	06 12 04.2	"	29	UPP iP	02 30 58.6 C
		KIR	iP	06 12 08.4			iS	02 39 56
		UME	iP	06 11 59.6				micr sec
		Tajik SSR (h = N).					P	Z' 0.4 1.5
							Mx	Z 3.8 20

(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985

Apr. 29 (cont.)
 KIR iP 02 30 16.3 C
 i 02 30 33.9
 micr sec
 P Z' 0.4 1.6
 Mx Z 1.8 16
 UME iP 02 30 34.7 C
 i 02 31 12.9
 iS 02 39 15
 Hokkaido, Japan region
 (h = 70 km).
 m = 6.1, M = 5.5 (UPP,KIR).

" 29 KIR iP 03 59 46.5
 Mindanao, Philippine Islands
 (h = 170 km).

" 29 UPP iP 10 30 30.3
 KIR iP 10 30 02.4 C
 micr sec
 P Z' 0.1 1.0
 UME iP 10 30 13.9 C
 Mariana Islands (h = 60 km).

" 29 KIR iP 11 44 50.8
 UME iP 11 44 15.5
 i 11 44 27.8
 Turkey (h = 15 km).

" 29 UPP iP 16 21 27.2
 iS 16 27 48
 micr sec
 P Z' 0.1 1.0
 Mx Z 1.1 20
 KIR iP 16 21 52.4 C
 i 16 21 59.3
 UME iP 16 21 43.6 C
 i 16 21 50.5
 iS 16 28 18
 North Atlantic Ridge
 (h = 10 km).

" 30 UPP iP 08 57 17.9
 Southwestern Ryukyu Islands
 (h = 55 km).

" 30 UPP iP 18 18 53.7 D
 iS 18 22 50
 micr sec
 P Z' 0.9 1.0
 Mx Z 5.7 12
 KIR micr sec
 Mx Z 10.5 11
 UME iS 18 23 53
 Greece (h = 25 km).
 M = 5.5 (UPP,KIR).

November 18, 1986

Ingrid Båth
 Torild van Eck
 Conny Holmqvist
 Klaus Meyer

SEISMOLOGICAL DEPARTMENT
 BOX 12019
 S-750 12 UPPSALA
 SWEDEN

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 SWEDEN

SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEA, UDDEHOLM
 DELARY and MYRVIKEN

Uppsala	(UPP)	59 ⁰ 51.5'N,	17 ⁰ 37.6'E;	h = 14 m
Kiruna	(KIR)	67 ⁰ 50.4'N,	20 ⁰ 25.0'E;	h = 390 m
Umeå	(UME)	63 ⁰ 48.9'N,	20 ⁰ 14.2'E;	h = 16 m
Uddeholm	(UDD)	60 ⁰ 05.4'N,	13 ⁰ 36.4'E;	h = 240 m
Delary	(DEL)	56 ⁰ 28.2'N,	12 ⁰ 52.2'E;	h = 150 m
Myrviken	(MYR)	62 ⁰ 56.5'N,	14 ⁰ 20.8'E;	h = 345 m

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1985					1985				
May	1	UPP	iP	01 09 48.6	May	2	UPP	iP	13 02 41.0
		KIR	iP	01 08 54.3			KIR	iP	13 01 45.5
		UME	iP	01 09 21.9			UME	iP	13 02 12.3
		Alaska Peninsula (h = N).					Near east coast of Kamchatka (h = N).		
"	1	UPP	iP	13 40 26.5	"	2	UPP	iP	15 31 48.4
			ipP	13 42 38.1			KIR	iP	15 31 14.3
			iS	13 50 56			UME	iP	15 31 33.7 C
				micr sec			Southern Nevada. Underground explosion.		
		P	Z'	0.1 1.0					
		Mx	Z	2.4 15					
		KIR	iP	13 40 34.6	"	2	KIR	eP	16 09 48
			ipP	13 42 46.0			UME	eP	16 09 54
				micr sec			Molucca Passage (h = 45 km).		
		P	Z'	0.3 1.0					
		Mx	Z	1.1 18					
		UME	iP	13 40 33.2	"	2	UPP	iP	20 10 04.3
			ipP	13 42 45.2			KIR	iP	20 09 35.8
			iS	13 51 09			UME	iP	20 09 48.5
		Peru-Brazil border region. h = 630 km (UPP,KIR,UME). m = 6.3, M = 5.7 (UPP,KIR). M not corrected for focal depth.					Mariana Islands (h = 120 km).		
"	2	UPP	iP	09 06 01.2	"	3	UPP	iP	00 54 04.2
			ipP	09 06 13.8			KIR	iP	00 54 25.8
			iS	09 14 58			UME	iP	00 54 42.4
				micr sec			E. USSR-N.E. China border reg. (h = 540 km).		
		Mx	Z	70 17					
		KIR	eP	09 05 10	"	3	UPP	iP	07 15 28.0
				micr sec					micr sec
		Mx	Z	28 15			Mx	Z	2.6 21
		UME	eP	09 05 35			KIR	eP	07 15 23
			iS	09 13 56			ipP		07 15 46.9
		Kuril Islands region: (h = 45 km). M = 6.8 (UPP,KIR).							micr sec
							Mx	Z	3.3 20
							UME	eP	07 15 28
							Near coast of Nicaragua (h = 90 km). M = 5.7 (UPP,KIR). M not corrected for focal depth.		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
May	3	KIR eSn	11 28 18	May	5	UPP iP	18 11 26.2
		Norwegian Sea, 71.8°N, 14.0°E.				iPP	18 13 04.7
		Origin time = 11 26 20.				KIR iP	18 11 29.4
		Solution from Finnish station readings.				i	18 11 34.0
"	3	UPP iP	11 35 12.3			UME iP	18 11 21.5 C
		ipP	11 35 25.5			i	18 11 26.1
		KIR iP	11 35 14.4			iPP	18 13 00.2
		UME iP	11 35 09.4			Kirghiz SSR (h = N).	
		ipP	11 35 23.3	"	5	UPP iP	19 43 15.0 C
		Nicobar Islands region. h = 45 km (UPP,UME).				ipP	19 43 21.7
"	3	KIR iP	12 17 04.0				micr sec
		i	12 17 07.5			Mx Z	1.7 18
		UME iP	12 17 31.4			KIR iP	19 43 29.0 C
"	3	UPP iP	15 41 04.6			ipP	19 43 37.0
		ipP	15 43 14.1				micr sec
		KIR iP	15 41 13.0			P Z'	0.1 0.9
		UME iP	15 43 13.7			Mx Z	1.0 14
		Peru-Brazil border region (h = 600 km).				UME iP	19 43 16.6 C
"	3	UPP iP	18 15 29.7			ipP	19 43 23.3
		KIR iP	18 15 01.3			Pakistan. h = 25 km (UPP,KIR,UME). M = 5.0 (UPP,KIR).	
		UME iP	18 15 13.9	"	6	UPP iRg	01 47 52.8
		Mariana Islands (h = 90 km).				UDD iSg1	01 48 46.5
"	3	UPP iP	22 18 36.2			East-central Sweden. Near-surface event.	
		Greece (h = 10 km).		"	6	UPP iP	03 12 37.2 C
"	3	UPP iP	23 15 05.3			iPP	03 14 30
						iS	03 19 22
"	4	UPP iPKP	00 23 00.4				micr sec
		UME iPKP	00 22 53.9			P Z'	0.1 1.0
		Solomon Islands (h = 70 km).				Mx Z	13 17
"	4	UPP iP	00 33 26.6			KIR iP	03 12 51.5 C
							micr sec
"	4	UME iP	07 03 46.7			P Z'	0.2 1.1
						Mx Z	4.2 13
"	4	UPP iP	10 26 48.7			UME iP	03 12 38.8 C
		KIR iP	10 26 48.5			iS	03 19 20
		UME iP	10 26 48.2			Pakistan (h = 35 km). m = 5.7, M = 5.8 (UPP,KIR).	
"	4	UPP iP	13 00 28.3	"	6	UPP iP	03 35 16.7
		KIR iP	13 00 06.9			KIR iP	03 35 30.8
		UME iP	13 00 19.9			UME iP	03 35 18.1 C
		Off coast of Mexico (h = 10 km).				i	03 35 23.7
"	5	UPP iPKP	03 27 46.9			Pakistan (h = 35 km).	
		UME iPKP	03 27 31.4	"	6	UME eP	05 03 40
						Kuril Islands region (h = 40 km).	
				"	6	UPP iPKP	17 29 51.6
						iPKP2	17 30 16.2

(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985				
May	6	UPP		micr	sec			
		PKP	Z'	0.2	1.5			
		Mx	Z	3.4	21			
		KIR	iPKP	17 29	40.3	D		
				micr	sec			
		PKP	Z'	0.2	1.3			
		Mx	Z	1.4	20			
		UME	iPKP	17 29	45.9	D		
		Off E. coast of N. Island						
		(h = 30 km).						
		M = 6.0 (UPP,KIR).						
"	6	UPP	iP	21 09	01.8			
		KIR	eP	21 09	02			
"	7	UPP	iP	03 49	49.5			
			ipP	03 49	57.5			
		KIR	iP	03 49	21.7	C		
			ipP	03 49	29.3			
		UME	iP	03 49	32.8	C		
			ipP	03 49	40.4			
		Ryukyu Islands.						
		h = 25 km (UPP,KIR,UME).						
"	8	KIR	eP	00 12	19			
		UME	iP	00 12	24.4			
		Talaud Islands (h = 80 km).						
"	8	UPP	iPKP	08 31	42.1			
		KIR	iPKP	08 31	57.6			
		UME	iPKP	08 31	50.7			
		South Sandwich islands						
		region (h = N).						
"	8	UME	iP	12 09	18.2			
		Kuril Islands (h = 60 km).						
"	8	UPP	iP	17 18	56.8			
			eS	17 25	34			
				micr	sec			
		P	Z'	0.2	1.4			
		Mx	Z	4.3	21			
		KIR	iP	17 19	10.4	C		
				micr	sec			
		P	Z'	0.3	1.7			
		Mx	Z	1.5	13			
		UME	iP	17 18	57.7	C		
			i	17 19	26.7			
			iS	17 25	37			
		Pakistan (h = N).						
		m = 5.8, M = 5.3 (UPP,KIR).						
"	8	UPP	iPKP2	20 25	01.8			
			i	20 25	16.6			
		UME	iPKP1	20 24	41.8			
			i	20 24	45.2			
			i	20 24	55.0			
		South of Kermadec Islands						
		(h = N).						
May	8	KIR	iPKP	20 47	15.6			
		UME	iPKP	20 47	21.9			
		Tuamotu Archipelago region						
		(h = 0 km).						
"	8	KIR	iP	23 23	55.0			
		UME	iP	23 24	21.9			
		Fox Islands, Aleutian Islands						
		(h = 40 km).						
"	9	UPP	ipP	05 54	55.5			
			iS	06 04	10			
				micr	sec			
		Mx	Z	1.4	20			
		KIR	iP	05 55	14.4			
				micr	sec			
		Mx	Z	1.5	16			
		UME	iP	05 55	01.7			
		Carlsberg ridge (h = 10 km).						
		M = 5.4 (UPP,KIR).						
"	9	UPP	iP	09 43	09.0			
		KIR	iP	09 42	21.7			
		UME	eP	09 42	44			
		Kuril Islands (h = 160 km).						
"	9	UPP	iPKP	12 12	05.1			
				micr	sec			
		PKP	Z'	0.1	0.8			
		KIR	iPKP	12 11	52.6			
		UME	iPKP1	12 11	54.0			
			iPKP	12 11	59.2			
		South of Fiji Islands						
		(h = 160 km).						
"	9	UPP	iSg1	13 15	14.5			
		UDD	iSg1	13 14	22.2			
		Southern Norway, near 58 1/4°N,						
		6 1/2°E.						
		Origin time = 13 12 16.						
		M _l (UPP) = 2.5 1.						
		By combination with Bergen						
		bulletin.						
"	9	UME	iP	15 15	59.9			
"	9	UME	iP	15 28	42.7			
"	9	UPP	iP	18 36	20.9			
		KIR	iP	18 36	02.6			
		UME	iP	18 36	09.7			
		Molucca passage (h = N).						
"	9	UPP	iP	19 16	17.3			
			iS	19 25	13			
				micr	sec			
		P	Z'	0.3	0.8			
		Mx	Z	8.1	20			
		(cont.)						

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985									
May	9	(cont.)				May	10	(cont.)				
		KIR	iP	19 15 23.9				UME	iPKP	15 54 27.8		
				micr sec					i	15 55 09.9		
			P	Z' 0.3 0.8				New Britain region				
			Mx	Z 5.8 17				(h = 25 km).				
		UME	iP	19 15 50.0				M = 7.0 (UPP,KIR).				
			iS	19 24 23								
		Rat Islands, Aleutian Islands (h = N).				"	10	UPP	iP	23 49 22.4		
		m = 6.3, M = 5.9 (UPP,KIR).								micr sec		
									Mx	Z 4.3 13		
								KIR	iP	23 50 49.7		
										micr sec		
"	9	UPP	iP	19 25 04.1					Mx	Z 1.8 12		
				micr sec				Yugoslavia (h = 20 km).				
			P	Z' 0.3 0.8				M = 4.9 (UPP,KIR).				
		KIR	iP	19 24 11.4								
				micr sec								
			P	Z' 0.2 0.8		"	11	UPP	iP	07 34 38.6		
		UME	iP	19 24 37.3				Greece-Albania border region				
		Rat Islands, Aleutian Islands (h = N).						(h = 15 km).				
		m = 6.3 (UPP.KIR).				"	11	UPP	iP	10 52 03.3 C		
									ipP	10 52 15.9		
										micr sec		
"	9	UPP	iP	19 38 55.0					P	Z' 0.1 1.0		
		KIR	iP	19 38 01.0				KIR	iP	10 51 23.7 C		
		UME	iP	19 38 27.3					ipP	10 51 36.1		
			i	19 38 42.2						micr sec		
		Rat Islands, Aleutian Islands (h = N).							P	Z' 0.1 1.0		
"	9	UME	iP	23 09 53.7				UME	iP	10 51 41.4 C		
		Guatemala (h = 55 km).							ipP	10 51 53.4		
"	10	KIR	eP	02 04 53				Near east coast of Honshu, Japan.				
		UME	iP	02 04 39.8 C				h = 45 km (UPP,KIR,UME).				
		Pakistan (h = N).						m = 5.8 (UPP,KIR).				
"	10	UPP	iP	04 39 14.5 C			"	11	UPP	iP	12 08 41.3 C	
		KIR	iP	04 38 30.7 C					KIR	iP	12 08 05.7 C	
		UME	iP	04 38 50.3 C					UME	iP	12 08 21.3 C	
		Hokkaido, Japan region (h = 180 km).						Near S. coast of Honshu, Japan (h = 340 km).				
"	10	KIR	iP	04 43 57.0			"	11	UPP	iP	20 29 36.0	
		UME	iP	04 44 02.0					KIR	iP	20 28 52.0	
		Banda Sea (h = 110 km).							UME	iP	20 29 12.2	
"	10	UPP	ePdiff	15 51 03				Hokkaido, Japan region (h = 70 km).				
			iPKP	15 54 34.1			"	11	KIR	iP	20 49 19.5	
			i(PP)	15 55 06.9					UME	iP	20 49 12.8	
			iPP	15 55 30.0				Kirghiz-Xinjiang border region (h = N).				
			iPKKP	16 05 10.3								
				micr sec				"	12	UPP	iP	07 23 54.2
			Mx	Z 64 26					KIR	eP	07 23 01	
		KIR	iPKP	15 54 23.7					UME	iP	07 23 26.2	
			i	15 54 48.0				Off east coast of Kamchatka (h = 65 km).				
				micr sec								
			Mx	Z 30 23								
		(cont.)										

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985				
May	12	UPP eP Taiwan region (h = 40 km).	23 11 51	May	14	UPP iP ipP iPP iS P Z' Mx Z KIR iP ipP P Z' Mx Z UME iP ipP iS Northwest of Madagascar. h = 35 km (UPP,KIR,UME). m = 6.9, M = 5.9 (UPP,KIR).	18 22 37.9 D 18 22 48.7 18 25 11 18 32 00 0.9 1.2 5.3 16 18 23 18.0 D 18 23 28.5 2.1 1.5 3.3 15 18 22 56.4 18 23 07.2 18 32 31
"	13	UPP iP ipP Mx Z KIR eP ipP Mx Z Luzon, Philippine Islands. h = 10 km (UPP,KIR). M = 5.2 (UPP,KIR).	03 53 19.1 03 53 22.9 0.8 19 03 52 59 03 53 02.7 0.8 15	"	14	UPP iP ipP P Z' KIR iP ipP UME iP ipP iS Northwest of Madagascar. h = 35 km (UPP,KIR,UME). m = 6.9, M = 5.9 (UPP,KIR).	20 06 12.0 20 06 22.6 0.1 1.0 20 06 51.4 20 07 02.0 0.1 1.0 20 06 30.7 20 06 41.2
"	13	UPP iP P Z' KIR eP UME iP Rat Islands, Aleutian Islands (h = N).	08 59 56.9 0.1 1.0 08 59 04 08 59 29.9	"	14	UPP iP ipP P Z' KIR iP ipP UME iP ipP Northwest of Madagascar. h = 35 km (UPP,KIR,UME). m = 5.9 (UPP,KIR).	20 06 12.0 20 06 22.6 0.1 1.0 20 06 51.4 20 07 02.0 0.1 1.0 20 06 30.7 20 06 41.2
"	13	UPP iP ipP iS P Z' Mx Z KIR iP ipP P Z' UME iP ipP Shikoku, Japan. h = 35 km (UPP,KIR,UME). m = 6.3 (UPP,KIR).	10 52 26.2 D 10 52 36.5 11 01 50 0.2 0.9 2.0 17 10 51 52.4 D 10 52 02.1 0.4 1.0 10 52 06.3 D 10 52 16.3	"	14	UPP iP UME iP Northwestern Kashmir (h = N).	20 53 37.6 20 53 34.8
"	13	UME iP Kermadec Islands region (h = N).	11 56 03.3	"	14	UPP iP ipP KIR iP UME iP ipP North of Halmahera. h = 30 km (UPP,UME).	21 52 35.0 21 52 44.0 21 52 26.2 21 52 23.2 21 52 33.5
"	14	UPP iP ipP P Z' Mx Z KIR iP ipP P Z' Mx Z UME iP ipP Northwest of Madagascar. h = 40 km (UPP,KIR,UME). m = 6.4, M = 5.6 (UPP,KIR).	13 36 27.0 13 36 38.8 0.4 1.4 3.2 16 13 37 06.7 13 37 18.5 0.8 1.5 1.4 15 13 36 46.0 13 36 58.0	"	15	KIR ePKP UME iP South of Africa (h = 10 km).	03 11 21 03 12 13.8
"	14	UPP iP ipP P Z' Mx Z KIR iP ipP P Z' KIR iP P Z' (cont.)	05 23 02.1 D 05 23 27.7 0.1 0.7 05 22 29.3 D 0.1 0.8	"	15	UPP iP ipP P Z' KIR iP P Z' (cont.)	05 23 02.1 D 05 23 27.7 0.1 0.7 05 22 29.3 D 0.1 0.8

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985		
May	15	(cont.) UME iP 05 22 43.1 D ipP 05 23 09.8 South of Honshu, Japan. h = 100 km. m = 5.7 (UPP,KIR).	May	16	UME iP 14 06 24.2
"	15	UPP iP 11 11 03.1 KIR iP 11 11 41.9 UME iP 11 11 18.4 Northwest of Madagascar (h = 10 km). Late arrivals when compared with NEIS solutions.	"	16	UPP iP 14 34 16 iPP 14 38 28 micr sec Mx Z 3.4 16 KIR micr sec Mx Z 1.6 15 UME iPP 14 38 39.0 iS 14 46 13 Mid-Indian Rise (h = 10 km). M = 5.9 (UPP,KIR).
"	15	UME iPKP1 13 39 39.2 South of Kermadec Islands (h = N).	"	16	UPP iSg1 17 42 42.2 UME iSn 17 42 26.4 iSg1 17 43 18.5 UDD iPn 17 40 13.2 iSg1 17 41 39.4 DEL iSg1 17 42 42.9 MYV iSn 17 41 21.0 iSg1 17 41 50.0 Off coast of southwestern Norway, near 61 1/4°N, 3°E. Origin time = 17 38 59. M _L (UPP) = 3.0 (0.13) 3.
"	15	KIR iP 14 22 30.3 UME iP 14 22 08.8 C Carlsberg ridge (h = 10 km).	"	16	UPP iSn 22 57 50.0 iSg1 22 58 28.0 KIR eSg1 22 59 58 UME iSn 22 58 14.9 iSg1 22 59 06.6 iPn 22 56 02.0 UDD i 22 56 08.3 iSn 22 56 57.1 iSg1 22 57 28.1 DEL iSn 22 57 44.5 iSg1 22 58 26.9 MYV i 22 56 41.2 iSn 22 57 09.0 iSg 22 57 39.0 Off coast of southwestern Norway, near 61 1/4°N, 3 1/2°E. Origin time = 22 54 48. M _L (UPP) = 3.0 (0.08) 5.
"	15	UPP iPKP 20 31 34.6 micr sec Mx Z 9.2 21 KIR iPKP 20 31 49.3 C micr sec PKP Z' 0.1 1.0 Mx Z 5.3 18 UME iPKP 20 31 42.6 C South Sandwich Islands region (h = N). M = 6.4 (UPP,KIR).	"	17	UPP iPKP1 00 57 04.1 KIR i(PKP) 00 56 40.5 UME iPKP1 00 56 51.8 Kermadec Islands (h = N).
"	15	UPP iP 20 41 37.4	"	17	UME iPKP 03 02 57.6 Near coast of central Chile (h = N).
"	15	UME iP 22 01 44.2 Alaska peninsula (h = 70 km).	"	17	KIR iP 12 44 02.3 UME iP 12 44 29.7 D Fox Islands, Aleutian Islands (h = N).
"	16	UME iPKP 00 05 02.6 Vanuatu Islands (h = 200 km).			
"	16	UME iPKP 01 24 26.8 iSKP1 01 27 03.0 Fiji Islands region (h = 580 km).			
"	16	UPP iP 04 15 24.1 UME iP 04 16 00.2 Albania (h = 10 km).			
"	16	UME iP 04 27 11.4			
"	16	UPP iP 10 33 36.0 KIR iP 10 32 46.5 UME iP 10 33 08.7 Kuril Islands (h = N).			

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
May	17	UME ePKP	13 18 28	May	18	UPP iP	13 16 44.1
		New Britain region				KIR eP	13 15 17
		(h = 60 km).				i	13 15 23.2
"	17	UPP iP	16 12 44.7			UME iP	13 16 02.2
		KIR iP	16 11 50.8			i	13 16 10.7
		Off east coast of Kamchatka				North of Svalbard (h = 10 km).	
		(h = N).		"	18	UPP iP	17 17 27.1
"	17	UPP iP	17 09 19.0	"	18	UME iP	17 28 46.0
		i	17 09 20.8	"	18	UME iP	22 21 18.3
		KIR iP	17 09 52.0 C			Near coast of Guatemala	
		UME iP	17 09 30.7			(h = N).	
		Southern Iran (h = N).		"	19	UME iPKP	00 46 33.5
"	17	UPP iPKP1	17 44 34.4			South of Fiji Islands	
		UME iPKP	17 44 23.6			(h = 590 km).	
		Kermadec Islands region		"	19	UPP iP	01 02 23.7
		(h = 210 km).				KIR iP	01 03 01.6
"	17	UME iP	20 36 21.6			UME iP	01 02 37.7
		Molucca Passage (h = 50 km).				Southern Iran (h = N).	
"	17	UPP iPKP1	22 40 24.6	"	19	UPP iP	01 04 40.6
		KIR iPKP1	22 40 23.6			UME iP	01 04 46.3
		UME iPKP1	22 40 25.7	"	19	UPP iP	01 37 29.7
		South of Australia (h = 10 km).				UME iP	01 37 32.1
"	18	UPP iP	01 17 32.8			Pakistan (h = N).	
			micr sec	"	19	UME iPKP	07 26 35.5
		Mx Z	0.8 12			Off coast of central Chile	
		KIR eP	01 19 02			(h = N).	
			micr sec	"	19	UPP iP	08 18 08.8 C
		Mx Z	0.6 12			i	08 18 10.1
		UME iP	01 18 17.6 C			i	micr sec
		iS	01 22 15			i Z'	1.0 1.1
		Yugoslavia (h = 10 km).				Mx Z	4.2 22
		M = 4.3 (UPP,KIR).				KIR iP	08 17 14.8
"	18	KIR eSn	01 27 03			i	08 17 15.9
		Northwestern USSR, 66.6 ⁰ N,					micr sec
		34.3 ⁰ E.				i Z'	0.6 0.8
		Origin time = 01 24 21.				Mx Z	1.7 19
		Solution from Finnish				UME iP	08 17 40.2
		station readings.				i	08 17 41.1
"	18	KIR iP	03 25 41.8			Near east coast of Kamchatka	
		UME iP	03 25 46.4			(h = 60 km).	
		Panama-Costa Rica border				m = 6.7, M = 5.4 (UPP,KIR).	
		region (h = N).				M not corrected for focal	
"	18	UPP iP	06 58 10.9			depth.	
		KIR iP	06 58 11.9			Double P, small and large,	
		UME iP	06 58 03.8			in average 1.1 s apart.	
		Tajik SSR (h = N).		"	19	UPP iP	08 46 51.2
						UME iP	08 47 00.5
						i	08 47 23.7

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1985				1985			
May	19	UPP iP UME iP Luzon, Philippine Islands (h = 15 km).	08 53 33.3 08 53 20.6	May	20	KIR iP UME iP Southern Alaska (h = 30 km).	14 03 33.1 14 04 01.9
"	19	UPP iP KIR iP UME iP Celetes Sea (h = 390 km).	09 03 15.9 09 03 00.6 09 03 05.7	"	20	UPP iP i iS i Mx KIR iP P Mx UME iP iS Tibet (h = N). m = 5.7, M = 6.3 (UPP,KIR).	15 20 31.7 15 20 33.0 15 27 44 micr sec Z' 0.1 1.2 Z 20 14 15 20 25.6 C micr sec Z' 0.1 1.4 Z 18 14 15 20 24.1 C 15 27 27
"	19	UME iP	09 23 50.2 C	"	21	UPP iP KIR iP UME iP Iran (h = N).	00 44 05.5 00 44 32.9 00 44 13.6
"	19	UPP iP2 i Mx Z KIR Mx Z UME iP1diff iP2 Near cost of central Chile (h = 40 km). M = 6.0 (UPP,KIR). Double Pdiff, small and large, approximately 12 s apart. The second arrival, when interpreted as pP, provides focal depth in correspondence whit the NEIS solution.	18 28 04.5 18 28 51.7 micr sec 5.3 18 micr sec 1.7 17 18 27 57.3 18 28 09.0	"	21	UPP iP KIR iP UME iP Alaska peninsula (h = 60 km).	01 23 42.7 01 22 48.4 micr sec Z' 0.1 1.0 01 23 16.0
"	20	UME iP	03 12 35.4 D	"	21	UPP iP Near east coast of Honshu, Japan (h = 50 km).	03 39 04.7
"	20	UPP iPKP UME iPKP South Sandwich Islands region (h = 150 km).	06 03 18.8 06 03 26.1	"	21	UPP iP	05 53 41.9
"	20	UPP iP UME iP Greece (h = 15 km).	07 55 58.6 07 56 44.7	"	21	UPP iP KIR iP UME iP Andaman Islands region (h = N).	07 27 08.7 07 27 09.9 C 07 27 05.8
"	20	KIR iP UME iP i Central Italy (h = 15 km).	10 06 02.3 10 05 24.3 10 05 30.0	"	21	UME iP i	07 45 26.6 07 45 38.4
"	20	UPP iP KIR iP i UME iP i Dodecanese Islands (h = 45 km).	10 39 02.1 10 40 05.6 10 40 16.4 10 39 33.6 10 39 41.6	"	21	UPP iSg1 KIR iPn iSn iSg1 UME iSg1 UDD iSg1 MYV iPg1 iSg1 Coast of central Norway, near 66°N, 12 1/2°E. Origin time = 09 31 51. M _L (UPP) = 3.0 (0.07) 4.	09 35 12.8 09 32 53.5 09 33 34.3 09 33 45.9 09 33 48.2 09 34 54.9 09 32 44.8 09 33 24.4
"	20	UPP iP	13 49 22.3				

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1985				1985					
May	21	UPP	iP	17 17 07.2	May	23	UPP	iP	01 08 23.5
							UME	iP	01 09 11.0 C
"	21	UPP	i	19 26 19.1			Central Italy (h = 10 km).		
			i	19 26 55.1					
		KIR	iP	19 25 49.3 D	"	23	UPP	iP	08 15 24.9
		UME	iP	19 25 53.2 D					
				Minahassa peninsula (h = 180 km).	"	23	UPP	iP	11 52 46.7
"	21	UPP	iP	22 31 31.8 C	"	23	UPP	iP	16 07 28.5
		KIR	iP	22 30 37.6				iS	16 11 41
		UME	iP	22 31 04.6 C					micr sec
			i	22 31 43.2				P	Z' 0.1 0.7
				Fox Islands, Aleutian Islands				Mx	Z 2.9 10
				(h = 70 km).			KIR	iP	16 08 40.2
"	21	UPP	iP	23 03 45.5				i	16 08 47.5
									micr sec
"	21	UPP	iPKP1	23 12 32.9				P	Z' 0.2 1.5
		UME	iPKP1	23 12 22.3				Mx	Z 1.3 10
				Kermadec Islands region			UME	iP	16 08 03.7
				(h = N).				iS	16 12 40
							Southern Greece (h = 40 km).		
							m = 5.6 M = 5.0 (UPP,KIR).		
"	21	UPP	iP	23 31 34.7	"	23	UPP	iP	18 41 00.0
		UME	iP	23 32 15.6 C					
			i	23 32 21.5	"	23	UPP	iPKP	19 09 58.6
				Greece-Albania border region			KIR	iPKP	19 09 43.9
				(h = 40 km).			UME	iPKP	19 09 50.1
"	22	UDD	iSn	05 55 01.6				i	19 09 57.6
			iSg1	05 55 25.8			Santa Cruz Islands (h = 35 km).		
		DEL	iSg1	05 54 53.2	"	24	UPP	iP	21 00 17.8
			i	05 55 15.6			KIR	iP	21 00 29.2 C
		MYV	iSg1	05 56 47.4			UME	iP	21 00 17.4 C
			i	05 57 07.6			Hindu Kush region (h = N).		
				Skagerrak, near 57°N, 8°E.	"	24	UPP	iP	22 15 41.5
				Origin time = 05 53 16.				i	22 15 42.2
				M _L (UPP) = 2.4 1.				iS	22 24 38
				By combination with Bergen				iP'P'	22 43 51.7
				bulletin.					micr sec
"	22	UPP	iPKP2	09 52 24.9 C				i	Z' 0.4 1.0
		KIR	iPKP	09 52 06.1				Mx	Z 6.3 22
		UME	iPKP	09 52 08.6 C			KIR	iP	22 14 47.8
				Kermadec Islands (h = N).				iPcP	22 15 34.0
"	22	UPP	iP	14 06 24.5 C				iP'P'	22 44 06.3
			i	14 07 46.1					micr sec
				micr sec				P	Z' 0.4 0.9
			P	Z' 0.1 1.0				Mx	Z 4.3 16
		KIR	iP	14 06 33.0			UME	iP	22 15 14.4
				micr sec				iPcP	22 15 50.3
			P	Z' 0.1 1.6				iS	22 23 48
		UME	iP	14 06 22.4				iP'P'	22 43 58.6
				India-Pakistan border reg.				i	22 44 10.5
				(h = N).			Andreanof Islands, Aleutian Is.		
				m = 5.6 (UPP,KIR).			(h = 35 km).		
							m = 6.5, M = 5.8 (UPP,KIR).		

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1985				1985					
May	25	UPP	iP	00 03 23.9	May	26	UPP	iP	06 01 03.7
		KIR	iP	00 03 04.7			KIR	iP	06 00 28.4
		UME	iP	00 03 11.6			UME	iP	06 00 43.3
		Luzon, Philippine Islands (h = 10 km).					Southern Honshu, Japan (h = 370 km).		
		Late arrivals when compared with NEIS solutions.							
"	25	UPP	iP	12 57 17.9	"	26	UPP	iPKP1	09 18 38.1
		KIR	iP	12 56 49.7				iPKP2	09 18 43.4
			i	12 57 09.8			UME	iPKP	09 18 26.5
		UME	iP	12 57 01.2			Keramadec Islands region (h = 330 km).		
			i	12 57 14.4	"	26	UME	iPKP	11 02 48.7
		Mariana Islands (h = 200 km).					Vanuatu Islands (h = 220 km).		
"	25	UPP	iP	14 22 46.6	"	26	UPP	iP	18 10 49.6
		UME	eP	14 23 26			UME	iP	18 11 20.3
		Southern Greece (h = 60 km).					Spain (h = 15 km).		
"	25	UPP	iP	14 45 55.9	"	26	UPP	iP	22 32 32.2
		KIR	iP	14 45 23.4 C			KIR	iP	22 32 17.1
		UME	iP	14 45 35.2			UME	iP	22 32 24.8
							Mindanao, Philippine Islands (h = 100 km).		
"	25	UPP	iP	23 39 42.1	"	26	UPP	iP	23 05 20.2
			i	23 39 43.2			UME	eP	23 05 03
			iS	23 48 06			Southern Xinjiang, China (h = N).		
				micr sec					
			i	Z' 0.2 1.0	"	27	UPP	iP	04 46 20.7
			Mx	Z 5.1 22			KIR	iP	04 47 00.2 C
		KIR	iP	23 38 48.3			UME	iP	04 46 39.3 C
			i	23 39 03.6			Northwest of Madagascar (h = 10 km).		
				micr sec	"	27	UPP	iP	06 34 39.7
			P	Z' 0.2 1.0				ipP	06 34 58.0
			Mx	Z 2.1 16			KIR	iP	06 34 22.7
		UME	iP	23 39 13.5			UME	iP	06 34 28.4
			iS	23 47 11			Luzon, Philippine Islands (h = 70 km).		
		Near east coast of Kamchatka (h = 45 km).			"	27	UPP	iPKP1	07 04 43.1
		m = 6.1, M = 5.5 (UPP,KIR).					KIR	iPKP1	07 04 23.9
"	26	KIR	iP	00 14 29.6			UME	iPKP1	07 04 33.4
		UME	iP	00 14 45.0 C			South of Kermadec Islands (h = N).		
		South of Honshu, Japan (h = 290 km).			"	27	UPP	iP	08 32 31.7
"	26	UPP	iP	04 36 27.1			UME	eP	08 32 16
		KIR	iP	04 35 49.4	"	27	UPP	iP	10 15 44.0
		UME	iP	04 36 06.1 C			UME	iP	10 15 15.0
			i	04 36 19.7			Andreanof Islands (h = N).		
		Near east coast of Honshu, Japan (h = 60 km).							
"	26	UME	iP	05 42 40.2	"	27	UPP	iP	10 15 44.0
		North Atlantic ridge (h = 10 km).					UME	iP	10 15 15.0

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985		
May	27	UME iP 12 53 37.3 Near coast of Chiapas, Mexico (h = 60 km).	May	29	(cont.) UPP i 15 35 04.3 micr sec i Z' 0.1 0.9 Mx Z 3.3 24 KIR micr sec Mx Z 1.7 22 UME i 15 34 51.1 Kermadec Islands (h = N). M = 6.0 (UPP,KIR).
"	27	UME iP 18 01 01.0 Chagas Archipelago region (h = 10 km).	"	29	UPP iP 15 58 49.2 UME eP 15 58 37 Kermadec Islands (h = N). Late arrivals, of about 11 s, when compared with NEIS solutions.
"	28	UPP iP 04 41 42.6 KIR iP 04 42 52.2 UME iP 04 42 19.8 Crete (h = 20 km).	"	30	UPP iP 21 11 07.8 UME iP 21 10 52.8 Sichuan Province, China (h = N).
"	28	UPP iP 06 53 03.0 UME iP 06 53 00.7 Afghanistan-USSR border region (h = 100 km).	"	30	UPP iP 00 50 41.7 i 00 50 43.2 KIR eP 00 50 29 UME iP 00 50 31.2 C Tibet (h = N).
"	28	UPP iPKP1 07 25 27.4 UME iPKP 07 25 14.0 C South of Kermadec Islands (h = N).	"	30	UPP iP 08 43 47.2 i 08 43 57.8 micr sec P Z' 0.1 1.2 KIR iP 08 44 26.5 i 08 44 37.0 micr sec P Z' 0.2 1.3 UME iP 08 44 05.9 i 08 44 15.8 Northwest of Madagascar (h = 10 km). m = 5.9 (UPP,KIR). Double P, in average 10.3 s apart. The second onset, when interpreted as pP, provides a focal depth of 35 km.
"	28	UPP iP 08 41 20.6 C micr sec P Z' 0.3 1.1 KIR iP 08 41 29.0 C micr sec P Z' 0.2 1.0 UME iP 08 41 18.7 C Afghanistan-USSR border region (h = 210 km). m = 5.7 (UPP,KIR).	"	30	UPP iPKP1 12 34 17.3 micr sec PKP1 Z' 0.1 0.9 KIR e(PKP) 12 33 52 UME iPKP1 12 34 04.9 Kermadec Islands (h = 55 km).
"	28	UPP iP 14 23 01.4 C micr sec P Z' 0.2 1.0 KIR iP 14 23 09.5 C iPP 14 24 54.0 micr sec P Z 0.3 1.1 UME iP 14 22 59.3 C i 14 23 07.4 i 14 23 54.7 Afghanistan -USSR border region (h = 120 km). m = 6.0 (UPP,KIR).	"	30	UPP iP 13 16 50.3 micr sec P Z' 0.4 0.8 KIR iP 13 15 59.9 (cont.)
"	28	UPP iP 19 40 28.4 KIR iP 19 40 12.1 micr sec P Z' 0.1 1.0 UME iP 19 40 22.5 C Guerrero, Mexico (h = 110 km).			
"	29	UPP iPKP2 15 35 01.4 (cont.)			

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1985				1985			
May	30	(cont.)		May	30	UME ip	22 05 45.2
		KIR ipP	13 16 38.8			Bonin Islands region	(h = 90 km).
			micr sec				
		P Z'	0.1 0.7				
		UME ip	13 16 23.3 C	"	30	UME ip	23 31 53.5
		i	13 16 31.7			i	23 32 00.4
		ipP	13 17 03.7			Bonin Islands region	(h = 35 km).
		Kuril Islands.					
		h = 170 km (KIR,UME).		"	31	UPP ip	01 13 06.5
		m = 6.1 (UPP,KIR).				KIR eP	01 13 23
"	30	UPP ip	13 33 45.5			UME eP	01 13 18
		i	13 33 50.9				
		KIR eP	13 33 11	"	31	KIR ipP	01 46 04.8
		UME ip	13 33 25.2			UME ip	01 46 12.0
		Bonin Islands region				Bonin Islands region	(h = 35 km).
		(h = 45 km).					
"	30	UPP ePKP	14 07 11	"	31	KIR ipKP	03 56 10.4
		KIR ePKP	14 07 28			UME ipKP	03 56 03.0
		UME e	14 07 29			South Sandwich Islands region	(h = N).
		South Sandwich Islands region (h = N).					
"	30	UPP ip	15 18 12.4	"	31	UPP eP	07 37 59
		Southern Greece (h = N).				iS	07 48 35
		Early arrival when compared with the NEIS solution.					micr sec
						Mx Z	4.9 19
"	30	KIR ePKP	17 15 03			KIR ip	07 37 33.4
		UME ipKP	17 15 09.1				micr sec
		Vanuatu Islands (h = 180 km).				Mx Z	5.8 17
						UME ip	07 37 43.6
"	30	UPP ip	18 59 29.7			iS	07 48 16
		ipP	18 59 37.5			South of Mariana Islands	(h = 30 km).
			micr sec			M = 6.1 (UPP,KIR).	
		pP Z'	0.1 1.1	"	31	KIR ip	10 27 07.4
		KIR ip	18 58 55.0			UME ip	10 27 24.3
		ipP	18 59 02.8			i	10 27 35.2
		UME ip	18 59 08.9			South of Honshu, Japan	(h = 40 km).
		Bonin Islands region.					
		h = 25 km (UPP,KIR).		"	31	KIR eP	13 27 03
"	30	KIR epP	19 06 14			i	13 27 37.9
		UME ip	19 06 16.3			UME eP	13 26 44
		Bonin Islands region (h = N).				Iran (h = N).	
"	30	KIR eP	20 10 24				
		UME ipP	20 10 49.2				
		Bonin Islands region (h = N).					
"	30	UPP ip	20 12 45.7				
			micr sec				
		P Z'	0.1 1.0				
		KIR ip	20 12 12.9				
		UME ip	20 12 22.8				
		Bonin Islands region (h = 50 km).					
		Late arrivals when compared with NEIS solutions.					

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Ingrid Båth
Conny Holmqvist
Myung-Soon Jun
Ota Kulhánek

SEISMOLOGICAL DEPARTMENT
 BOX 12019
 S-750 12 UPPSALA
 SWEDEN

SEISMOLOGICAL DEPARTMENT
 BOX 12019
 S-750 12 UPPSALA
 SWEDEN

SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEÅ, UDDEHOLM
 DELARY and MYRVIKEN

Uppsala	(UPP)	59 ⁰ 51.5'N,	17 ⁰ 37.6'E;	h = 14 m
Kiruna	(KIR)	67 ⁰ 50.4'N,	20 ⁰ 25.0'E;	h = 390 m
Umeå	(UME)	63 ⁰ 48.9'N,	20 ⁰ 14.2'E;	h = 16 m
Uddeholm	(UDD)	60 ⁰ 05.4'N,	13 ⁰ 36.4'E;	h = 240 m
Delary	(DEL)	56 ⁰ 28.2'N,	12 ⁰ 52.2'E;	h = 150 m
Myrviken	(MYR)	62 ⁰ 56.5'N,	14 ⁰ 20.8'E;	h = 345 m

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1985	June	1	UPP	eP	02 16 41		1985	June	2	UPP	iP	02 58 25.6
				iS	02 27 14					KIR	iP	02 57 38.8
					micr sec					UME	iP	02 58 00.0
				Mx	Z 1.4 15					Kuril Islands (h = 170 km).		
			KIR	iP	02 16 15.5		"	2	UPP	iPKP1	04 55 10.8	
					micr sec				Kermadec Islands region			
				Mx	Z 0.8 15				(h = 60 km).			
			UME	iP	02 16 25.1		"	2	KIR	iPg1	07 05 53.9	
			South of Mariana Islands							iSg1	07 06 15.1	
			(h = 25 km).						UME	iSg1	07 06 44.6	
			M = 5.5 (UPP,KIR).						MYV	iSg1	07 07 49.4	
"	1	UPP	iP	09 57 07.1				Norrbotten, Sweden 66.3 ⁰ N,				
				micr sec				22.0 ⁰ E.				
				P	Z' 0.1 1.0			Origin time = 07 05 25.				
		KIR	iP	09 56 24.1				M _L (UPP) = 2.7 (0.00) 2.				
				micr sec			"	2	UPP	iPKP	12 20 33.9	
				P	Z' 0.1 0.9				KIR	ePKP	12 21 20	
		UME	iP	09 56 43.1				Solomon Islands (h = 370 km).				
		Hokkaido, Japan region					"	2	UPP	iP	17 13 47.4	
		(h = 70 km).							ipP	17 13 59.5		
		m = 5.8 (UPP,KIR).								micr sec		
"	1	UPP	Mx	16 05					P	Z' 1.3 2.4		
				micr sec					Mx	Z 2.9 18		
			Mx	Z 1.1 20				KIR	iP	17 12 53.2		
		KIR	Mx	16 03					ipP	17 13 04.8		
				micr sec						micr sec		
			Mx	Z 1.4 20					P	Z' 0.3 1.5		
		Solomon Islands (h = N).							Mx	Z 1.1 15		
		M = 5.6 (UPP,KIR).						UME	iP	17 13 18.3		
"	2	UPP	iP	00 14 00.3					ipP	17 13 29.8		
		KIR	eP	00 13 52				Off east coast of Kamchatka.				
		UME	eP	00 14 01				h = 40 km (UPP,KIR,UME).				
		Qinghai Province, China						m = 6.4, M = 5.3 (UPP,KIR).				
		(h = N).										

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985								1985			
June	2	UPP	iP	17 44	21.5	June	3	UPP	i(PKP)	12 25	29
		KIR	iP	17 44	06.2				iPKP	12 25	36.3
		UME	iP	17 44	07.8						micr sec
		Northern Xinjiang, China (h = 45 km).							Mx	Z	38 22
"	2	UPP	eP	20 46	55			KIR	iPKP	12 25	21.3
		KIR	eP	20 46	08						micr sec
		Northwest of Kuril Islands (h = 390 km).							Mx	Z	8.9 19
"	3	UPP	iP	02 58	13.6	"	3	UPP	iP	18 39	52.8
			i	02 58	20.8			KIR	iP	18 38	44.0
			iS	03 08	45			UME	i	18 40	00.7
			i	03 09	04			East of Severnaya Zemlya (h = 10 km).			
					micr sec						
			Mx	Z	7.3 20						
		KIR	iP	02 58	03.8	"	3	UPP	iP	20 23	19.1
			iPP	03 01	19.6			UME	iP	20 23	44.1
					micr sec			Ascension Island region (h = 10 km).			
			Mx	Z	2.2 14						
		UME	iP	02 58	10.9	"	4	UPP	iP	00 04	40.0
			i	03 08	10			KIR	iP	00 03	53.6
			iS	03 08	49			UME	iP	00 04	14.5
		Near coast of Guatemala (h = 70 km). M = 5.9 (UPP,KIR). M not corrected for focal depth.						Kuril Islands (h = N).			
"	3	UPP	iP	03 26	26.7	"	4	UPP	iPKP1	01 10	59.9
		KIR	iP	03 25	33.1			South of Fiji Islands (h = 500 km).			
		UME	iP	03 25	58.9	"	4	UPP	eP	04 01	30
		Off east coast Kamchatka (h = 40 km).						Ethiopia (h = 10 km).			
"	3	UPP	iP	08 25	12.1	"	4	UPP	iP	04 09	40.7
			i	08 25	23.0						micr sec
			iS	08 33	46				P	Z'	0.1 0.8
					micr sec				Mx	Z	5.7 21
			P	Z'	0.1 1.0			KIR	iP	04 09	23.7
			Mx	Z	1.6 20						micr sec
		KIR	iP	08 24	18.8				P	Z'	0.2 0.9
			i	08 24	30.0				Mx	Z	3.0 19
					micr sec			UME	iP	04 09	30.2
			P	Z'	0.2 0.9			Talaud Islands (h = 90 km). m = 6.4, M = 5.9 (UPP,KIR). M not corrected for focal depth.			
			Mx	Z	1.2 14						
		UME	iP	08 24	43.5	"	4	UPP	iP	05 24	00.8
		Off east coast of Kamchatka. h = 40 km (UPP,KIR). m = 6.0, M = 5.2 (UPP,KIR).						KIR	iP	05 23	59.3
"	3	UPP	iP	12 15	39.6			UME	iP	05 23	57.9
		KIR	iP	12 14	46.9			Southern Sumatera (h = 80 km).			
		UME	iP	12 15	11.5	"	4	UPP	iP	12 16	55.3
		Off east coast of Kamchatka (h = N).							iS	12 25	48

(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985						1985					
June				June			June				
	4	(cont.)			5	UPP	iPKP	23 23	29.8		
		UPP						micr	sec		
		Mx	Z	2.8				3.6	26		
		KIR	iP	12 17		KIR		micr	sec		
								Mx	Z	7.7	26
		UME	iP	12 17		UME	iPKP	23 23	24.0		
			iS	12 26							
		Central Mid-Atlantic Ridge						New Ireland region (h = 70 km).			
		(h = 10 km).						M = 6.1 (UPP,KIR).			
		M = 5.4 (UPP,KIR).						M not corrected for focal			
								depth.			
"	4	UDD	iSg1	15 04	6	UPP	iP	02 51	17.5		
		Southwestern Norway, 62.2°N,					iS	03 00	22		
		7.0°E.						micr	sec		
		Origin time = 15 02 25.					P	Z'	0.8	1.5	
		Solution from Bergen bulletin.					Mx	Z	40	19	
"	4	UPP	iP	21 44		KIR		micr	sec		
				23.4				Mx	Z	14	19
			Mx	Z		UME	iP	02 51	38.4		
		KIR		micr			eS	03 01	07		
			Mx	Z				Central Mid-Atlantic Ridge			
		UME	iP	21 44				(h = 10 km).			
				26.5				M = 6.5 (UPP,KIR).			
		North Atlantic Ocean									
		(h = 10 km).									
		M = 4.6 (UPP,KIR).									
"	5	UPP	iP	01 16	6	UPP	iP	04 56	47.4		
				10.3		UME	iP	04 56	28.5		
				C			i	04 56	35.4		
			P	Z'				Bonin Islands region			
				0.1				(h = 40 km).			
		KIR	iP	01 15	"	6	UPP	eP	06 27	41	
				37.0			KIR	eP	06 27	10	
		UME	iP	01 15			UME	iP	06 27	20.8	
				51.2				South of Honshu, Japan			
		Bonin Islands region						(h = 40 km).			
		(h = 90 km).									
"	5	UPP	iP	01 47	"	6	UME	iP	14 39	26.6	
				21.4							
				micr							
			P	Z'							
				0.1							
			Mx	Z		"	6	UPP	iPKP1	14 47	40.5
				3.0					iPKP2	14 47	45.1
		KIR		micr				KIR	iPKP	14 47	22.1
			Mx	Z				UME	iPKP1	14 47	28.5
		UME	iP	01 47				Kermadec Islands region			
			iS	01 52				(h = N).			
		North Atlantic Ocean									
		(h = 10 km).									
		M = 4.8 (UPP,KIR).									
"	5	UME	iP	04 34	"	6	KIR	iP	17 03	51.6	
				20.7			UME	iP	17 04	11.5	
		Guatemala (h = 70 km).						Hokkaido, Japan region			
"	5	UME	iP	05 06				(h = 60 km).			
"	5	KIR	iP	06 40	"	6	KIR	iP	20 13	04.6	
				42.2			UME	iP	20 13	28.3	
		Mariana Islands region						Off east coast of Kamchatka			
		(h = 320 km).						(h = 35 km).			
"	5	UPP	iP	23 19							
		UME	iP	23 19							
				32.7							
				27.3							

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1985			1985				
June	6	UME iP Sea of Japan (h = 500 km).	21 57 27.3	June	7	UPP iP i iS P Z' Mx Z KIR iP Mx Z UME iP i	09 48 16.3 09 48 22.8 09 58 20 micr sec 0.1 1.4 1.2 15 09 47 43.4 micr sec 0.9 13 09 47 57.4 09 48 03.9
"	6	KIR eP i UME iP Off east coast of Kamchatka (h = N).	23 31 14.2 23 31 24.2 23 31 39.1	"	7	UPP iP UME iP i	16 31 05.1 16 31 03.8 16 33 48.2
"	7	UPP eP UME iP Bonin Islands region (h = 15 km).	01 05 26 01 05 07.1	"	7	UPP iP KIR iP UME iP	16 40 30.3 16 39 53.0 16 40 09.1
"	7	UME iP Volcano Islands region (h = 200 km).	01 13 04.1	"	7	UPP iP KIR iP UME iP	16 45 54.5 18 34 13.8 18 34 04.6 18 34 04.9
"	7	KIR iPg1 i iSg1 UME iPg1 i iSg1 UDD iSg1 MYV iSg1 Norrbotten, Sweden, 65.6°N, 22.1°E. Origin time = 03 38 48. M _L (UPP) = 2.5 (0.19) 3.	03 39 25.8 03 39 29.5 03 39 55.7 03 39 23.7 03 39 25.1 03 39 48.6 03 42 18.0 03 41 02.0	"	8	UPP iP UME iP i i i UME iP i	01 44 35.4 01 44 24.7 Kermadec Islands region (h = N). 13 32 24.6 13 32 27.7 13 32 07.4 13 32 11.1 micr sec i Z' 0.2 0.9 13 32 14.3 13 32 17.4
"	7	UPP iP KIR iP UME iP Kuril Islands (h = 50 km).	05 32 34.3 05 31 48.6 05 32 09.9	"	8	UPP iP KIR iP i	13 57 41.7
"	7	UPP iP KIR iP UME iP Bonin Islands region (h = 50 km).	05 44 46.3 05 44 13.5 05 44 27.7	"	8	UPP eP UME iP Volcano Islands region (h = 140 km).	14 28 11 14 27 54.5
"	7	UPP eP UME iP Bonin Islands region (h = N).	06 13 41 06 13 23.2	"	8	UPP iP UME iP Northern Colombia (h = N).	14 01 32.1
"	7	UPP i(P)	08 28 13.2	"	8	UPP iP UME iP i i i UME iP i	14 28 11 14 27 54.5 Mindanao, Philippine Islands (h = 90 km).
"	7	UPP iP	08 58 24.1	"	8	KIR iP	13 57 41.7
"	7	UPP iP UME iP Bonin Islands region (h = 60 km).	09 47 39.5 09 47 20.8	"	8	UPP eP UME iP Volcano Islands region (h = 140 km).	14 28 11 14 27 54.5

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1985				1985				
June	8	UPP	iP	17 28 14.8	June	10	UPP eP	12 07 25
"	8	KIR	iP	23 18 05.3			UME eP	12 07 49
"	8	UME	iP	23 48 03.5			Turkey (h = 10 km).	
"	9	UPP	iP	01 17 56.1	"	10	UPP iPn	15 30 40.3
"	9	UME	iP	01 17 36.3			UME eSn	15 33 15
"	9	UPP	iP	04 48 41.0			UDD iPn	15 30 19.4
"	9	UME	iP	08 22 13.8			iPg1	15 30 35.0
"	9	UME	iSKP1	08 24 56.7			i	15 31 50.7
"	9	UPP	iPKP1	13 05 43.7	"	10	DEL iPn	15 30 01.6
"	9	UME	iP	13 05 43.7			iSg1	15 31 25.5
"	9	KIR	iP	14 30 52.0			MYV iSn	15 32 27.6
"	9	UPP	iPKP	17 01 36.9			North Sea, near 55 3/4°N,	
"	9	UME	iSKP1	17 01 48.0			4 1/2°E.	
"	9	KIR	iP	22 44 55.3			Origin time = 15 28 39.	
"	9	UME	iP	22 45 22.1			M _L (UPP) = 3.4 1.	
"	10	KIR	iP	03 36 34.4	"	10	UPP iPP	15 55 51.3
"	10	KIR	iPKP	07 52 14.4			iPKKP	16 06 23.9
"	10	UPP	iP	11 46 53.9			Mx Z	3.8 20
"	10	UPP	iS	11 50 56			KIR iPKP	15 55 23.4
"	10	KIR	iP	11 47 52.3			iPP	15 56 21.4
"	10	UPP	iP	11 47 19.8			iPKKP	16 06 08.7
"	10	UPP	iP	11 47 19.8			Mx Z	1.6 21
"	10	UPP	iP	11 47 19.8			UME iPKP	15 55 21.7
"	10	UPP	iP	11 47 19.8			iPKKP	16 06 13.7
"	10	UPP	iP	11 47 19.8			Catamarca Province, Argentina	
"	10	UPP	iP	11 47 19.8			(h = 150 km).	
"	10	UPP	iP	11 47 19.8			M = 5.8 (UPP,KIR).	
"	10	UPP	iP	11 47 19.8			M not corrected for focal	
"	10	UPP	iP	11 47 19.8			depth.	
"	10	UPP	iP	11 47 19.8	"	11	KIR eP	07 06 13
"	10	UPP	iP	11 47 19.8			North of Ascension Island	
"	10	UPP	iP	11 47 19.8			(h = 10 km).	
"	10	UPP	iP	11 47 19.8	"	12	UPP iP	09 02 06.9
"	10	UPP	iP	11 47 19.8			KIR iP	09 02 06.2
"	10	UPP	iP	11 47 19.8			P Z'	0.1 1.0
"	10	UPP	iP	11 47 19.8			UME iP	09 02 04.3
"	10	UPP	iP	11 47 19.8			Southern Sumatera (h = 80 km).	
"	10	UPP	iP	11 47 19.8	"	12	UPP iP	11 15 43.6
"	10	UPP	iP	11 47 19.8			KIR iP	11 15 32.8
"	10	UPP	iP	11 47 19.8			UME iP	11 15 40.4
"	10	UPP	iP	11 47 19.8			Near coast of Chiapas, Mexico,	
"	10	UPP	iP	11 47 19.8			(h = 60 km).	
"	10	UPP	iP	11 47 19.8	"	12	UPP eP	14 09 28
"	10	UPP	iP	11 47 19.8			UME iP	14 10 04.3
"	10	UPP	iP	11 47 19.8			Bulgaria (h = 10 km).	
"	10	UPP	iP	11 47 19.8	"	12	UPP iP	15 26 48.6
"	10	UPP	iP	11 47 19.8			KIR iP	15 26 14.5
"	10	UPP	iP	11 47 19.8			(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985		
June			June		
12	(cont.)		14	UPP	eP 07 56 19
	UME	iP 15 26 34.2		KIR	iP 07 56 05.6
	Southern Nevada.			UME	eP 07 56 15
	Underground explosion.			Ciapas, Mexico (h = 150 km).	
"	12	UPP	"	15	UPP
		iP 17 34 40.3			iPn 00 41 28.0
		iS 17 44 16			i 00 41 29.4
		micr sec			iPg1 00 41 38.9
		Mx Z 15 16			iSn 00 42 18.6
		KIR micr sec			iSg1 00 42 35.0
		Mx Z 5.9 12			UME iPn 00 42 20.8
		UME iP 17 34 23.8			i 00 42 25.6
		iS 17 43 49			iSn 00 43 52.6
		Taiwan region (h = 30 km).			iSg1 00 44 34.9
		M = 6.3 (UPP,KIR).			UDD iPn 00 41 17.2
					i 00 41 18.6
"	13	UPP			iPg1 00 41 24.3
		iP 00 57 58.8			iSg1 00 42 11.6
		UME iP 00 58 34.0			DEL iPg1 00 40 37.3 C
		Aegean Sea (h = 10 km).			MYV iPn 00 41 57.2
"	13	UPP			iSn 00 43 08.0
		iP 04 29 04.4			Off coast of Halland, Sweden
		UME iP 04 28 36.9			56.50°N, 12.20°E.
		Central Alaska (h = N).			Origin time = 00 40 21.
"	13	UPP			M _L (UPP) = 4.6 (0.15) 5.
		iP 11 54 49.2			Felt in the whole southwestern
		UME iP 11 54 47.2			Sweden and in parts of Denmark.
		Guatemala (h = 220 km).			Maximum intensity (VI) felt at
"	13	UPP			Torekov where small cracks in
		iP 15 03 08.2			walls and in house foundations
		KIR iP 15 02 46.2			were observed.
		UME iP 15 02 53.6			
		Philippine Islands region			
		(h = N).	"	15	UPP
"	13	UPP			iP 01 03 59.2 C
		iP 15 05 50.6			micr sec
		KIR iP 15 05 51.7			P Z' 1.0 0.8
		Kashmir-Xinjiang border			UME iP 01 03 43.3 C
		region (h = N).			Eastern Kazakh SSR.
					Underground explosion.
"	13	UME	"	15	UPP
		iPKP1 17 46 39.2			iP 15 26 23.8
		Kermadec Islands (h = N).			micr sec
"	13	UPP			P Z' 0.1 1.0
		iP 19 47 40.5			Mx Z 1.1 12
		KIR iP 19 47 06.0			UME iP 15 26 15.7
		UME iP 19 47 20.7			Tibet (h = 45 km).
		Near s. coast of Honshu,	"	16	UPP
		Japan (h = 350 km).			iP 00 41 02.3
"	13	UPP			i 00 41 06.1
		eP 20 17 23			iS 00 44 12
		KIR iP 20 17 03.1			micr sec
		Taiwan region (h = 15 km).			i Z' 0.1 1.0
"	13	KIR			Mx Z 2.6 19
		iP 22 32 51.3			UME iP 00 40 31.5
		UME iP 22 33 45.4			Jan Mayen Island region
		Svalbard region (h = 10 km).			(h = 10 km).

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
June	16	UPP iP UME iP Off east coast of Kamchatka (h = N).	01 51 05.4 01 50 37.0	June	20	UPP i(P)	01 35 02.0
"	17	UPP iP Tibet (h = N).	02 57 13.6	"	20	UPP eP Greece (h = 45 km).	03 03 11
"	17	UPP iP UME iP Ionian Sea (h = 45 km).	07 41 13.5 07 41 53.7	"	20	UPP iP	11 00 12.3 Hokkaido, Japan region (h = 140 km).
"	17	UME iPKP Santa Cruz Islands (h = 130 km).	15 10 00.9	"	20	UPP iP	23 57 42.1
"	17	UPP iP iS P Z' 0.3 1.5 Mx Z 2.1 13 KIR iP P Z' 0.3 1.5 Mx Z 1.7 14 UME iP iS Southeast of Shikoku, Japan (h = 25 km). m = 6.1, M = 5.6 (UPP,KIR).	19 24 21.7 D 19 34 00 micr sec 19 23 49.6 D micr sec 19 24 02.6 D 19 33 20	"	21	UME iP Northeastern China (h = 30 km).	02 42 31.9
"	17	UPP iP UME iP India-Bangladesh border region (h = 20 km).	22 02 52.0 22 02 46.3	"	21	UPP iPKP1 Mx Z 1.3 19 KIR Mx Z 1.9 20 UME iPKP1 Kermadec Islands region (h = 45 km). M = 5.8 (UPP,KIR).	04 50 51.1 micr sec 04 50 38.2
"	18	KIR iP UME eP	04 05 08.3 04 05 15	"	21	UPP iP Tibet (h = N).	15 22 46.3
"	18	UME iP	08 25 30.4	"	21	UPP iP i KIR iP UME iP Romania (h = 130 km).	16 54 12.7 16 54 24.7 16 55 35.4 16 54 53.6
"	18	KIR iP Halmahera (h = 230 km).	09 44 06.5	"	21	UPP iP KIR iP UME iP Talaud Islands (h = 110 km).	21 57 10.4 21 56 53.6 21 56 59.0
"	18	KIR iP UME iP Southern Sumatera (h = 200 km).	14 19 36.0 14 19 34.0	"	22	UPP iP Turkey (h = 30 km).	08 04 04.1
"	19	UPP iP UME iP	00 33 14.8 00 33 02.6	"	22	KIR iP UME iP Mindanao, Philippine Islands (h = 130 km).	08 42 36.4 08 42 42.2
"	19	UPP eP KIR eP Jan Mayen Island region (h = 10 km).	14 52 04 14 51 04	"	22	UPP iP KIR iP UME iP Taiwan region (h = 40 km).	10 44 47.6 10 44 24.7 10 44 32.5
"	19	KIR i(P)	21 09 19.6	"	22	UPP iP (cont.)	12 48 53.3

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1985								1985			
June	22	(cont.)				June	24	UPP	iP	13 52 53.8	
		UPP		micr	sec			KIR	iP	13 53 33.5	
		Mx	Z	1.8	15			UME	iP	13 53 12.4	
		KIR	iP	12 49	18.7			Northwest of Madagascar (h = 10 km).			
				micr	sec						
		Mx	Z	1.9	15						
		Pakistan (h = N). M = 5.2 (UPP,KIR).					"	24	UPP	iP	14 16 14.7
"	22	UPP	iPg1	14 38	52.3				i	14 16 22.8	
			iSg1	14 39	58.8			KIR	iP	14 16 54.6	
		UDD	iPg1	14 39	04.0			UME	iP	14 16 33.2	
			iSg1	14 40	16.3				i	14 16 41.7	
		DEL	iSg1	14 41	52.6			Northwest of Madagascar (h = 10 km).			
		MYV	iPg1	14 38	21.6		"	24	UPP	iP	14 30 52.7
			iSg1	14 39	07.4			KIR	iP	14 30 32.7	
		Västerbotten, Sweden, 64.6°N, 20.9°E.						UME	iP	14 31 10.3	
		Origin time = 14 37 23.						Northwest of Madagascar (h = 10 km).			
		M _L (UPP) = 3.3 (0.17) 6.					"	24	UPP	iPKP2	18 14 24.5
		Felt.						KIR	iPKP1	18 13 52.3	
"	22	UME	iP	19 01	36.7			UME	iPKP1	18 14 00.7	
"	23	UME	iPP	07 14	08.0			Off e. coast of N. Island, N.Z. (h = 50 km).			
		Chile-Argentina border region (h = 180 km).					"	24	UPP	iPdiff	22 35 22.1
"	23	UPP	iP	07 24	58.2			Near coast of northern Peru (h = 60 km).			
		UME	iP	07 24	48.2						
"	23	UPP	iP	12 17	08.5		"	24	UPP	iP	22 58 34.9
		Sakhalin Island (h = N).							iS	23 02 46	
"	23	UPP		micr	sec				Mx	Z	1.2 11
		Mx	Z	11	25			KIR	iP	22 59 46.4	
		UME	iPKP	13 20	27.7			UME	iP	22 59 10.4	
		Solomon Islands (h = 35 km).						Southern Greece (h = 55 km).			
"	23	UPP	ePKP	14 16	45		"	25	UPP	iP	02 41 52.2
		UME	ePKP	14 16	35			KIR	iP	02 41 03.6	
		Solomon Islands (h = N).						UME	iP	02 41 25.5	
"	23	UPP	iPKP	20 08	52.2		"	25	KIR	eP	08 07 47
				micr	sec			Hindu Kush region (h = 110 km).			
		Mx	Z	5.7	24						
		KIR	ePKP	20 08	45		"	25	UPP	iP	10 35 47.5
		UME	iPKP	20 08	46.5					micr sec	
		Solomon Islands (h = 30 km).						Mx	Z	0.9 17	
"	24	UPP	iP	00 52	34.9			KIR	iP	10 35 24.5	
		KIR	iP	00 52	14.4			UME	iP	10 35 37.7	
		UME	iP	00 52	19.4			Iceland (h = 10 km).			
		Gansu Province, China (h = N).					"	25	UME	iP	11 26 43.8

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985													
June	25	KIR	iPKP	14	36	56.2		June	26	UPP	iP	23	57	10.3			
		UME	iPKP	14	37	01.9				UME	iP	23	57	15.0			
		Vanuatu Islands (h = 60 km).								Northern Colombia (h = 150 km).							
"	25	UPP	i(P)	16	15	09.5		"	27	UPP	iP	00	34	39.3			
										UME	iP	00	34	11.9			
"	25	UPP	iP	20	33	35.3				Central Alaska (h = 140 km).							
			i	20	33	41.1		"	28	UME	iP	04	03	47.3			
		KIR	i	20	33	12.4		"	28	UPP	iP	07	43	48.4			
		UME	i	20	33	23.7					ipP	07	43	50.7			
		East China Sea (h = 50 km).															
"	25	UPP	eP	21	33	27											
		KIR	iP	21	33	25.1					pP	Z'	0.1	1.0			
		Southern Xinjiang, China (h = N).									Mx	Z	0.9	17			
"	26	UPP	iP	03	17	42.2	C			UME	iP	07	44	07.3			
											ipP	07	44	09.0			
			P	Z'	0.1	1.0				Northwest of Madagascar. h = 10 km (UPP,UME).							
		KIR	iP	03	17	25.6		"	28	UME	iP	16	48	54.6			
										Iceland (h = 10 km).							
			P	Z'	0.2	1.0		"	28	UPP	iP	18	25	04.1			
		UME	iP	03	17	31.2				Turkey (h = 10 km).							
		Mindanao, Philippine Islands (h = 540 km). m = 5.8 (UPP,KIR).						"	28	UPP	iPKP1	19	14	15.2			
"	26	UME	iP	04	53	57.0				UME	iPKP	19	13	56.5			
		Albania (h = 25 km).									iPKP1	19	14	02.2			
"	26	UPP	iP	12	55	35.9				Off e. coast of N. Island, N.Z. (h = 50 km).							
		KIR	iP	12	54	42.1		"	28	UME	iP	22	57	10.8			
		UME	iP	12	55	09.8				Lake Tanganyika region (h = 10 km).							
		Alaska Peninsula (h = 55 km).						"	29	UPP	iP	03	07	33.8			
"	26	KIR	iP	13	42	53.0					Mx	Z	2.4	14			
		UME	iP	13	43	05.0				KIR							
		Iceland (h = 10 km).									Mx	Z	1.8	12			
"	26	UME	iP	14	16	15.7				UME	iP	03	07	19.9			
		Near east coast of Honshu, Japan (h = 35 km).								Philippine Islands region (h = 10 km). M = 5.7 (UPP,KIR).							
"	26	UPP	eP	17	21	11											
			iS	17	30	16		"	29	UPP	iPKP1	04	26	58.6			
										UME	iPKP1	04	26	46.8			
			Mx	Z	4.9	20				Kermadec Islands (h = N).							
		KIR															
			Mx	Z	2.3	22		"	29	UPP	iP	08	46	57.3			
		UME	iP	17	21	15.4					i	08	47	12.2			
		Virgin Islands (h = 45 km). M = 5.6 (UPP,KIR).															
"	26	UME	iP	20	41	24.8					P	Z'	0.1	0.9			
			i	20	41	30.9				UME	iP	08	46	54.5			
		South of Panama (h = 10 km).								Northern Sumatera (h = 80 km).							

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985

June	29	UPP	ipP	13	40	18.9	
		UME	ipP	13	40	12.9	
		Southern Xinjiang, China (h = 35 km).					
"	29	UPP	ipKP1	18	12	07.2	
		South of Fiji Islands (h = 80 km).					
"	30	UPP	ip	02	46	00.1	C
						micr	sec
			P	Z'	0.6	0.5	
			Mx	Z	1.1	10	
		KIR	ip	02	45	44.0	C
						micr	sec
			P	Z'	1.2	0.5	
			Mx	Z	0.5	10	
		UME	ip	02	45	44.5	C
		Eastern Kazakh SSR. m = 7.0, M = 4.7 (UPP,KIR). Underground explosion.					

December 29, 1986

Conny Holmqvist
Ota Kulhánek
Klaus Meyer
Yue-ping Zhou

SEISMOLOGICAL DEPARTMENT
 BOX 12019
 S-750 12 UPPSALA
 SWEDEN

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SEISMOLOGICAL BULLETIN

U P P S A L A, K I R U N A, U M E A, U D D E H O L M

D E L A R Y and M Y R V I K E N

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYR)	62°56.5'N,	14°20.8'E;	h = 345 m

J U L Y 1 - 31, 1985

1985					1985				
July	1	UPP	iP	02 34 27.1	July	2	UPP	eP	12 46 05
		KIR	iP	02 34 29.9				i	12 46 15.7
		UME	iP	02 34 24.2					micr sec
		Bay of Bengal (h = 10 km).						Mx	Z 1.0 15
"	1	UPP	iP	07 43 28.9			KIR	iP	12 45 23.3
		KIR	iP	07 43 36.3				i	12 45 33.3
		UME	iP	07 43 26.9					micr sec
		Afghanistan-USSR border region (h = 220 km).						Mx	Z 0.9 16
"	1	UPP	iP	08 02 29.7			UME	i	12 45 53.3
		KIR	iP	08 02 11.5			Off east coast of Honshu, Japan (h = 25 km).		
				micr sec	"	3	UPP	iPKP1	03 31 28.3
			P	Z' 0.1 1.0			KIR	ePKP	03 31 21
		UME	iP	08 02 17.2				iPKP1	03 31 27.2
		Mindanao, Philippine Islands (h = 80 km).					UME	iPKP1	03 31 26.9
"	1	UPP	iP	10 04 35.9			West of Macquarie Island (h = 10 km).		
				micr sec	"	3	UPP	iPKP	04 55 30.2
			Mx	Z 1.0 18				i	04 55 37.7
		Central Mid-Atlantic Ridge (h = 10 km).						iPKKP	05 06 05.4
"	2	UPP	iSg1	09 26 38.1				i	05 06 12.3
		UME	iSg1	09 27 28.8					micr sec
		UDD	iSg1	09 25 37.1			Mx	Z 82 19	
		DEL	iSg1	09 26 30.1			KIR	ePdiff	04 51 19
		MYV	eSg1	09 25 56				iPKKP	05 06 27.6
		Coast of Southwestern Norway, near 60 1/2°N, 5°E.						i	05 06 34.6
		Origin time = 09 23 23.							micr sec
		M _L (UPP) = 2.5 1.						Mx	Z 36 19
		By combination with Bergen bulletin.					UME	ePdiff	04 51 30
								iPKP	04 55 24.6
								i	04 55 31.4
								iPP	04 56 11.3
								iPKKP	05 06 23.6
							New Britain region (h = N).		
							M = 7.2 (UPP,KIR).		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985	
July	3	UDD	iSg1	08 34 36.6	July 4 (cont.)
					Mx Z 11 13
					KIR iP 05 14 29.3
					micr sec
					P Z' 0.2 1.0
					Mx Z 6.5 12
					UME iP 05 14 03.5
					Eastern Caucasus (h = N).
					m = 5.8, M = 5.6 (UPP,KIR).
"	3	UPP	iP	10 31 37.0 D	" 4 UME iP 06 12 20.9
			iS	10 41 02.5	Southern Iran (h = 25 km).
				micr sec	
			P	Z' 0.1 0.6	
		KIR	iP	10 31 06.0 D	" 4 UPP iP 09 04 12.3
				micr sec	ipP 09 04 39.5
			P	Z' 0.1 0.8	KIR i 09 04 17.1
		UME	iP	10 31 19.5 D	ipP 09 04 25.1
				Bonin Islands region	UME ipP 09 04 34.7
				(h = 500 km).	Oaxaca, Mexico (h = 70 km).
				m = 5.4 (UPP,KIR).	
"	3	UPP	iP	10 31 43.6 D	" 4 KIR iP 09 58 11.0
				micr sec	UME iP 09 58 25.6
			P	Z' 0.3 0.6	South of Honshu, Japan
		KIR	iP	10 31 12.5 D	(h = N).
				micr sec	
			P	Z' 0.4 0.8	" 4 KIR iP 23 46 23.8
		UME	iP	10 31 26.2 D	Southern Iran (h = N).
				Bonin Islands region	
				(h = 490 km).	" 5 UPP iP 02 48 18.9 D
				m = 6.0 (UPP,KIR).	i 02 48 48.0
"	3	UPP	iPKP	16 14 59.9	KIR iP 02 47 34.2 D
			iSKP1	16 18 28.7	micr sec
				micr sec	P Z' 0.1 1.0
			Mx	Z 8.8 23	UME iP 02 47 54.8 D
		KIR	iPKP	16 14 41.3	Sea of Okhotsk (h = 400 km).
				micr sec	
			Mx	Z 5.2 22	" 5 KIR iP 06 28 29.0
		UME	iPKP1	16 14 53.5	UME eP 06 28 28
				Vanuatu Islands (h = 30 km).	Leeward Islands (h = 55 km).
				M = 6.3 (UPP,KIR).	" 5 UPP iP 07 32 34.9
"	3	UPP	iPKP	18 11 20.9	KIR iP 07 32 21.6
		KIR	iPKP	18 11 06.5	micr sec
		UME	iPKP	18 11 12.9	P Z' 0.1 1.0
				Vanuatu Islands (h = 30 km).	UME iP 07 32 31.2
"	3	UPP	iPKP1	19 28 18.6	Chiapas, Mexico (h = 130 km).
		KIR	ePKP1	19 28 01	
		UME	iPKP1	19 28 07.3	" 5 UDD iSg1 18 05 43.3
				Kermadec Islands (h = 170 km).	Coast of southwestern Norway,
					62.1°N, 5.8°E.
					Origin time = 18 03 28.
					Solution from Bergen bulletin.
"	4	UPP	iP	05 13 50.1	" 5 UPP eP 23 22 19
			iS	05 18 11.6	micr sec
				micr sec	Mx Z 0.8 20
			P	Z' 0.4 1.4	(cont.)
				(cont).	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
July				July			
5	(cont.)			7	UPP	iP	04 10 37.2
	KIR	eP	23 22 21		UME	iP	04 10 11.9
			micr sec		Northwest of Kuril Islands (h = 340 km).		
		Mx	Z 0.9 20				
	UME	eP	23 22 20				
	Northern Sumatera (h = 10 km). M = 5.1 (UPP,KIR).			"	7	UPP	iP 06 13 49.0 D
"	6	UPP	iP 01 25 42.8			iPP	06 17 23.9
		UME	iP 01 25 52.0				micr sec
						P	Z' 0.2 1.0
"	6	KIR	iP 01 32 43.3		KIR	iP	06 13 20.1 D
		UME	iP 01 33 02.6				micr sec
	Hokkaido, Japan region (h = 30 km).					P	Z' 0.3 1.0
					UME	iP	06 13 32.5 D
	Hokkaido, Japan region (h = 55 km).				Volcano Islands region (h = 260 km). m = 5.9 (UPP,KIR).		
"	6	UME	iP 01 47 17.7	"	7	UPP	iPKP1 16 45 26.1
						UME	iPKP1 16 45 16.0
					South of Kermadec Islands (h = N).		
"	6	UPP	iPKP 03 56 54.0	"	8	UPP	iP 01 39 08.5
			iPKP1 03 56 57.4				ipP 01 39 51.1
			micr sec				micr sec
			PKP1 Z' 0.6 1.0			P	Z' 0.1 1.1
		Mx	Z 3.0 27			pP	Z' 0.1 1.0
	KIR	iPKP1	03 56 36.8		KIR	iP	01 39 18.7
			micr sec			ipP	01 40 06.3
		Mx	Z 2.1 21		UME	iP	01 39 07.7
	UME	iPKP1	03 56 44.6			ipP	01 39 54.9
	Kermadec Islands (h = 50 km). M = 6.0 (UPP,KIR).				Hindu Kush region. h = 220 km (UPP,KIR,UME).		
"	6	UPP	iP 04 37 39.8	"	8	UPP	micr sec
	Mariana Islands (h = 150 km).					Mx	Z 4.1 19
"	6	UPP	iP 06 31 32.0		KIR	iP	10 46 00.4
		KIR	iP 06 31 01.1				micr sec
		UME	iP 06 31 14.4 D			Mx	Z 2.5 15
	Bonin Islands region (h = 490 km).				Revilla Gigedo Islands region (h = 10 km). M = 5.8 (UPP,KIR).		
"	6	UPP	iP 14 51 19.6	"	8	KIR	iP 12 13 00.5
		KIR	iP 14 51 11.1 C			UME	iP 12 13 34.5
			micr sec		Jan Mayen Island region (h = 10 km).		
		P	Z' 0.1 1.0				
	UME	iP	14 51 12.3				
	Sumbawa Island region (h = 90 km).			"	8	UPP	iPKP2 19 58 04.0
"	6	UPP	iP 23 11 03.1				micr sec
		UME	iP 23 10 36.6			Mx	Z 4.1 20
	Sakhalin Island (h = 380 km).				KIR	iPKP2	19 58 02.8
							micr sec
						Mx	Z 3.8 20
"	7	UPP	iP 03 19 30.6		UME	iPKP2	19 58 00.8
	West of Macquarie Island (h = 10 km). M = 6.3 (UPP,KIR).						

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
July	9	UPP iPKP1	11 30 08.1	July	12	UME iP	05 54 03.9
		Kermadec Islands region (h = N).				Tibet (h = N).	
"	9	UDD iSg1	13 13 20.8	"	12	UPP iP	22 23 36.9
		Southern Norway, 58.3°N, 6.2°E. Origin time = 13 11 20. Solution from Bergen bulletin. Possibly explosion.				KIR iP	22 22 54.4
						UME iP	22 23 13.3
						Hokkaido, Japan region (h = 130 km).	
"	9	UPP iP	13 40 31.6 C	"	13	UPP iPKP1	01 22 20.0
		KIR iP	13 40 27.3 C			UME iPKP1	01 22 08.0
			micr sec			South of Fiji Islands (h = 120 km).	
		P Z'	0.2 1.5	"	13	UPP eP	19 03 39
		UME iP	13 40 23.9 C			KIR iP	19 03 59.5
		Java (h = 60 km).				UME iP	19 03 53.8
						North Atlantic Ridge (h = 10 km).	
"	10	UPP iP	01 13 36.6	"	13	UPP iP	19 18 44.2
		KIR iP	01 14 43.9			KIR iP	19 19 04.4
		UME iP	01 14 06.5			UME iP	19 18 58.0
		Black Sea (h = N).				North Atlantic Ridge (h = 10 km).	
"	10	UPP i(P)	16 11 40.2	"	14	UPP iP	03 39 44.1
"	10	UPP iPKP1	16 51 51.2	"	15	UME iP	00 44 51.3
		KIR iPKP	16 51 41.1			Central Mid-Atlantic Ridge (h = 10 km).	
		UME iPKP1	16 51 39.2				
		South of Fiji Islands (h = 560 km).					
"	11	UPP iSg1	03 20 13.7	"	15	KIR iP	05 42 26.8
		UDD iSg1	03 19 06.3			UME iP	05 42 52.3
		Southern Norway, 59.4°N, 6.6°E. Origin time = 03 17 19. M _L (UPP) = 2.2 1. Solution from Bergen bulletin. Possibly explosion.				Off east coast of Kamchatka (h = N).	
"	11	UPP i(P)	10 51 48.5	"	15	UPP iP	08 00 40.7
						KIR iP	08 00 49.4
						UME iP	08 00 39.5
						Hindu Kush region (h = 190 km).	
"	11	KIR iPg1	15 47 46.6	"	15	UPP iP	09 04 25.6
		Northwestern Finland, 66.8°N, 25.7°E. Origin time = 15 47 04. Solution from Finnish station readings.				KIR iP	09 04 00.9
						UME iP	09 04 09.8
						Northeast of Taiwan (h = 190 km).	
"	11	UPP iPKP1	17 06 51.6	"	15	UPP iP	10 49 49.9
		UME iPKP1	17 06 39.7 D				micr sec
		Kermadec Islands region (h = 480 km).				P	0.1 1.0
"	12	UPP iP	05 00 13.2			KIR iP	10 49 43.5
		KIR iP	05 00 13.3				micr sec
		UME iP	05 00 07.8			P Z'	0.1 1.0
		Tibet (h = N).				Burma (h = N). m = 5.8 (UPP,KIR).	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985					1985					
July	15	UPP	iP	16 06 33.8	July	18	UPP	iP	17 50 03.1	
		KIR	iP	16 06 14.0			KIR	iP	17 49 54.1	
		Luzon, Philippine Islands (h = 150 km).					UME	iP	17 49 54.6	
							Tibet (h = N).			
"	16	UPP	eP	03 24 46	"	18	UPP	iP	21 17 50.8	
		KIR	iP	03 24 37.0				iS	21 20 01.4	
		Northern Xinjiang, China (h = 20 km).						iLg1	21 21 20.0	
							KIR	iP	21 16 58.0	
"	17	UPP	iP	12 23 59.0				iSg1	21 19 18.4	
			ipP	12 24 10.7			UME	iP	21 17 08.7	
		KIR	iP	12 23 05.9				iS	21 18 50.0	
			ipP	12 23 17.4			European USSR (h = 0).			
				micr sec	"	18	UME	iP	21 30 31.2	
		P	Z'	0.1 0.8			North of Ascension Island (h = 10 km).			
		UME	iP	12 23 31.1	"	18	UPP	iP	22 46 35.2	
			ipP	12 23 42.9			KIR	iP	22 47 19.1	
		Off east coast of Kamchatka. h = 40 km (UPP,KIR,UME).					UME	iP	22 47 00.2	
"	17	UPP	iP	19 42 30.1			North of Ascension Island (h = 10 km).			
			iS	19 51 33	"	19	UPP	iP	00 30 11.8	
				micr sec					micr sec	
		P	Z'	0.2 1.4				P	Z'	0.1 1.0
		Mx	Z	4.0 24			KIR	iP	00 31 24.2 C	
		KIR	iP	19 41 37.4					micr sec	
				micr sec				P	Z'	0.2 1.0
		P	Z'	0.1 1.4			UME	iP	00 30 49.4 C	
		Mx	Z	3.1 18			Tyrrhenian Sea (h = 450 km). m = 5.4 (UPP,KIR).			
		UME	iP	19 42 03.6	"	19	UME	iP	00 57 21.1	
			iS	19 50 48			South of Honshu, Japan (h = 60 km).			
		Andreanof Islands, Aleutian Is. (h = N). m = 5.9, M = 5.6 (UPP,KIR).			"	19	UDD	iSg1	13 15 26.8	
"	17	UPP	iP	20 41 46.2 C			Southern Norway, 58.3 ⁰ N, 6.4 ⁰ E. Origin time = 13 13 18. Solution from Bergen bulletin. Possibly explosion.			
				micr sec	"	19	UPP	iPKP2	14 54 11.5	
		P	Z'	0.2 1.0					micr sec	
		KIR	iP	20 40 53.2				Mx	Z	2.0 21
				micr sec			KIR	iPKP1	14 53 39.0	
		P	Z'	0.1 1.5			UME	iPKP1	14 53 47.5	
		UME	iP	20 41 18.6 C			North Island, New Zealand (h = 50 km).			
		Off east coast of Kamchatka (h = N). m = 5.9 (UPP,KIR).			"	19	KIR	iP	19 19 22.6	
"	18	UPP	iP	05 54 29.4 C			UME	iP	19 19 49.3	
				micr sec			Andreanof Islands, Aleutian Is. (h = N).			
		P	Z'	0.1 1.1						
		KIR	iP	05 54 38.2 C						
				micr sec						
		P	Z'	0.2 1.1						
		UME	iP	05 54 28.0 C						
		Hindu Kush region (h = 180 km). m = 5.4 (UPP,KIR).								

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985										
July	20	UPP	iP	01 00	11.9	C	July 23	KIR	iPn	12 18	25.7			
									iSn	12 19	34.5			
			P	Z'	0.8	0.8		UME	iPn	12 19	11.6			
			Mx	Z	0.7	10		Arctic Ocean, near 74 1/2°N, 11°E.						
		KIR	iP	00 59	55.3	C		Origin time = 12 16 37.						
								By combination with Finnish station readings.						
			P	Z'	0.9	0.8		"	23	UME	iP	20 13	07.2	
			Mx	Z	0.3	10							Carlsberg Ridge (h = 10 km).	
		UME	iP	00 59	56.5	C		"	23	UPP	iP	23 58	47.0	
		Eastern Kazakh SSR.								KIR	iP	23 59	27.4	
		Underground explosion.								UME	iP	23 59	02.5	
		m = 6.7, M = 4.6 (UPP,KIR).								Iran (h = 35 km).				
"	21	UPP	iP	13 21	53.0			"	24	UPP	iP	08 10	30.4	
			iS	13 31	10					KIR	iP	08 10	10.0	
										UME	eP	08 10	17	
			Mx	Z	1.9	16				Luzon, Philippine Islands (h = N).				
		KIR	iP	13 21	57.0			"	24	UPP	iP	11 50	42.1	
										KIR	iP	11 50	19.4	
			P	Z'	0.2	1.5				Luzon, Philippine Islands (h = N).				
		UME	iP	13 21	59.1	D		"	24	UDD	iSg1	12 56	13.1	
			iS	13 31	19					Southern Norway, 59.4°N, 6.8°E.				
		Mona Passage (h = 35 km).								Origin time = 12 54 30.				
"	21	KIR	iP	20 41	24.3					Solution from Bergen bulletin.				
		UME	iP	20 41	16.8					Possibly explosion.				
		Tajik-Xinjiang border region (h = N).						"	24	KIR	iP	17 04	48.6	
"	22	UPP								Iran-Iraq border region (h = 60 km).				
			Mx	Z	32	21		"	25	KIR	iP	03 17	45.6	
		KIR	iPKP	09 45	19.2					UME	iP	03 17	46.5	
										Eastern Kazakh SSR.				
			Mx	Z	19	22				Underground explosion.				
		UME	ePKP	09 45	30			"	25	UPP	iP	14 11	48.0	
		New Britain region (h = 50 km).								KIR	iP	14 11	14.0	
		M = 6.8 (UPP,KIR).								UME	iP	14 11	33.4	
"	22	UPP	iP	21 38	04.6					Southern Nevada.				
										Underground explosion.				
			P	Z'	0.1	1.0		"	25	UPP	i(P)	16 21	57.2	
		KIR	iP	21 39	09.9	D					i	16 22	03.0	
								"	25	UPP				
			P	Z'	0.4	0.6					Mx	Z	2.3	24
		UME	iP	21 38	35.2					KIR	iP	17 46	12.9	
		Eastern Mediterranean Sea (h = 25 km).								UME	iP	17 46	59.4	
		m = 6.0 (UPP,KIR).								North of Svalbard (h = 10 km).				
"	23	UPP	iP	03 36	46.5			"	25	UPP	i(P)	16 21	57.2	
		KIR	iP	03 36	42.4						i	16 22	03.0	
		UME	iP	03 36	42.4			"	25	UPP				
		Java (h = 90 km).									Mx	Z	2.3	24
										KIR	iP	17 46	12.9	
										UME	iP	17 46	59.4	
										North of Svalbard (h = 10 km).				

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985		
July	25	UPP iP KIR iP P Z' 0.2 1.0 UME iP North of Svalbard (h = 10 km).	17 50 27.2 17 49 00.3 micr sec		
"	25	KIR iP P Z' 0.2 1.6 UME iP North of Svalbard (h = 10 km).	17 51 56.4 micr sec		
"	25	KIR iP UME iP North of Severnaya Zemlya (h = 10 km).	22 08 30.0 22 09 09.1		
"	26	KIR iSg1 UME iSg1 Central Finland, 65.1°N, 27.4°E. Origin time = 06 03 31. M _L (UPP) = 2.4 (0.31) 2. By combination with Finnish station readings.	06 05 33.0 06 05 13.2		
"	26	UPP iP KIR iP UME iP Fox Islands, Aleutian Islands (h = N).	07 15 20.3 07 14 27.7 07 14 54.4		
"	26	UPP UME iPPKP Santa Cruz Islands (h = N).	micr sec Mx Z 0.9 23 12 36 57.5		
"	26	UPP iP KIR iP Crete (h = N).	13 31 43.7 13 32 52.2		
"	26	UPP iP i	14 10 05.4 14 10 13.9		
"	28	UPP iP i UME iP	11 11 55.4 11 12 05.8 11 11 29.5		
"	28	UME iPPKP Santa Cruz Islands (h = 190 km).	12 43 54.6		
"	28	UME iP Near east coast of Honshu, Japan (h = 60 km).	18 16 47.1		
	July	28	UPP iP P Z' 0.1 1.0 KIR iP P Z' 0.1 1.0 UME iP Honshu, Japan (h = 100 km). m = 5.6 (UPP,KIR).	19 44 37.6 D micr sec 19 43 58.5 D micr sec 19 44 15.6 D	
	"	28	UPP iP KIR iP UME iP Andaman Islands region (h = N).	22 58 46.1 22 58 46.9 22 58 42.5	
	"	28	UPP iPPKP Mx Z 9.2 20 KIR i(PKP) iPKP UME iPPKP South Sandwich Islands region (h = N).	23 18 48.7 micr sec 23 18 53.9 23 19 06.3 23 18 59.0	
	"	28	UPP iPPKP UME iPPKP South Sandwich Islands region (h = N).	23 46 11.1 23 46 18.4	
	"	29	UPP iPPKP UME ePKP South Sandwich Islands region (h = N).	00 09 33.9 00 09 45	
	"	29	UPP iP P Z' 0.1 1.0 UME iP Komandorsky Islands region (h = 35 km).	06 42 31.3 micr sec 06 42 02.0	
	"	29	UPP iP P Z' 5.1 1.2 KIR iP P Z' 8.5 1.9 UME iP Hindu Kush region (h = 100 km). m = 7.2 (UPP,KIR), M = 7.4 (UPP, Wiechert records).	08 02 20.5 C micr sec 08 02 29.8 C micr sec 08 02 19.1 C	
	"	29	UPP iP P Z' 0.1 1.0 (cont.)	08 36 44.7 micr sec	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985					1985						
July	29	(cont.)			July	30	(cont.)				
		KIR	iP	08 36 53.8			KIR	iP	14 24 39.2		
				micr sec			UME	iP	14 24 28.4		
			P	Z' 0.1 1.0			Afghanistan-USSR border region (h = 100 km).				
		UME	iP	08 36 43.3		"	30	KIR	eP	19 06 49	
		Afghanistan-USSR border region (h = 100 km).						Luzon, Philippine Islands (h = 15 km).			
		m = 5.6 (UPP,KIR).					"	30	UME	iP	19 18 31.3
"	29	UPP	iP	11 22 38.0				Afghanistan-USSR border region (h = 80 km).			
		KIR	iP	11 22 46.8		"	30	KIR	iP	20 22 02.0	
		UME	iP	11 22 36.3				Tajik-Xinjiang border region (h = N).			
		Afghanistan-USSR border region (h = 80 km).				"	31	KIR	iP	01 12 07.9	
"	29	UPP	iP	11 38 32.4				UME	iP	01 12 12.5	
		KIR	iP	11 38 40.8				Celebes Sea (h = 610 km).			
		UME	iP	11 38 30.5		"	31	KIR	iP	01 48 30.2	
		Afghanistan-USSR border region (h = 90 km).						Afghanistan-USSR border region (h = 70 km).			
"	29	UPP	iP	11 48 27.9		"	31	KIR	iP	05 34 36.9	
			ipP	11 48 41.1				Mindanao, Philippine Islands (h = 90 km).			
		KIR	iP	11 48 14.1		"	31	KIR	iP	06 38 14.9	
			ipP	11 48 27.9				North Atlantic Ridge (h = 10 km).			
		UME	iP	11 48 24.5		"	31	UPP	iP	07 48 39.3 C	
			ipP	11 48 36.7					iS	07 57 24	
		Chiapas, Mexico.								micr sec	
		h = 45 km (UPP,KIR,UME).							P	Z' 0.3 1.0	
"	29	UPP	iP	12 50 16.1 D				Mx	Z 1.2 18		
		KIR	iP	12 50 24.4		"	31	KIR	iP	07 47 45.6 C	
		UME	iP	12 50 14.1 D					micr sec		
		Afghanistan-USSR border region (h = 90 km).							P	Z' 0.3 1.0	
"	29	UPP	iSg1	13 17 15.0				Mx	Z 0.9 20		
		UDD	iSg1	13 16 16.7				UME	iP	07 48 11.5 C	
		Southern Norway, 58.2°N, 6.6°E.						Near Islands, Aleutian Islands (h = 45 km).			
		Origin time = 13 14 06.						m = 6.3, M = 5.1 (UPP,KIR).			
		M _L (UPP) = 2.5 1.				"	31	KIR	iP	10 26 14.2	
		Solution from Bergen bulletin.						Nicobar Islands region (h = N).			
		Possibly explosion.				"	31	KIR	iP	18 17 42.4	
"	29	UPP	iP	16 06 13.2				Southern Iran (h = N).			
		KIR	iP	16 06 21.6				February 6, 1987			
		UME	iP	16 06 11.4				Conny Holmqvist			
		Afghanistan-USSR border region (h = 80 km).						Klaus Meyer			
"	30	UPP	iP	02 57 16.9				Efthimios Skordas			
		UME	iP	02 57 15.1							
		Afghanistan-USSR border region (h = 100 km).									
"	30	UPP	iP	14 24 30.2							
		(cont.)									

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SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEA, UDDEHOLM
 DELARY and MYRVIKEN

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYV)	62°56.5'N,	14°20.8'E;	h = 345 m

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1985	Aug.	1	UPP	iP	04 24 50.0	1985	Aug.	1	UPP	iP	14 38 27.9			
			KIR	eP	04 24 58					i	14 38 39.8			
			UME	iP	04 24 49.0					iS	14 41 05.8			
			Afghanistan-USSR border region (h = 70 km).									micr sec		
										P	Z'	0.2 0.7		
									KIR	iP		14 39 53.1		
										i		14 40 16.7		
"		1	UPP	iP	11 20 59.6					iS		14 43 56.1		
				ipP	11 21 13.2							micr sec		
				iS	11 23 38.9					P	Z'	0.9 1.1		
									UME	iP		14 39 10.3		
										iS		14 42 22.0		
									Romania (h = 110 km).					
									m = 5.8 (UPP,KIR).					
									"	1	UDD	iSg1	18 44 26.7	
											Southcentral Norway, 61.1°N, 7.8°E.			
											Origin time = 18 42 53.			
											M _L (UPP) = 2.1 1.			
											Solution from Bergen bulletin.			
"		1	UPP	iP	12 23 43.5	"		1	UPP	iPKP	23 34 05.6			
				iS	12 31 46				KIR	iPKP	23 34 20.4			
											micr sec			
												PKP	Z'	0.2 1.2
									UME	iPKP	23 34 13.5			
									South Sandwich Islands region (h = 30 km).					
									"	2	UPP	iPKP1	03 24 18.7	
											South of Fiji Islands (h = 510 km).			
									"	2	UPP	iP	07 03 29.1	
											ipP	07 03 45.1		
											KIR	iP	07 03 12.0	
											Mindanao, Philippine Islands (h = 55 km).			

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985						1985	
Aug.	8	UPP	iP	03 23	54.6	Aug.	9 (cont.)
		UME	iP	03 23	44.5		KIR iP 20 11 42.5
"	8	UPP	iP	16 30	38.4		ipP 20 11 49.4
			iSKS	16 40	15		micr sec
			P	Z'	0.1 1.0		P Z' 0.2 1.0
			Mx	Z	1.3 19		Mx Z 5.1 12
		KIR	iP	16 30	30.3		UME iP 20 11 48.0
							ipP 20 11 54.9
			P	Z'	0.1 1.0		iS 20 21 43
			Mx	Z	1.0 17		Luzon, Philippine Islands.
		UME	iP	16 30	31.0		h = 20 km (KIR,UME).
			iSKS	16 40	10		M = 6.2 (UPP,KIR).
							" 9 KIR iP 22 33 23.0
							Near east coast of Kamchatka
							(h = 30 km).
							" 10 UPP iP 04 25 55.1
							KIR iP 04 25 52.5
							micr sec
			P	Z'	0.1 1.0		P Z' 0.1 1.0
		KIR	iP	16 42	25.0		UME iP 04 25 50.7
							Sunda Strait (h = 90 km).
			P	Z'	0.1 0.8		" 10 UPP iPKP 16 54 46.0
		UME	iP	16 42	25.6		micr sec
							Mx Z 1.4 20
							KIR iPKP 16 54 36.5
							micr sec
							Mx Z 1.1 18
							UME iPKP 16 54 40.4
							New Britain region
							(h = 30 km).
							M = 5.6 (UPP,KIR).
"	8	UPP	iSg1	22 47	53.9		" 10 UPP iSg1 23 35 16.7
		KIR	iSg1	22 48	19.9		KIR iPg1 23 33 02.7
		UME	iPg1	22 46	28.1		iSg1 23 33 38.9
			iSg1	22 46	49.5		UME iPg1 23 32 46.2
		UDD	iPg1	22 47	05.8		iSg1 23 33 09.3
			iSg1	22 47	55.3		UDD iSg1 23 35 39.2
		MYV	iPg1	22 46	19.0		MYV iSg1 23 33 56.4
			iSg1	22 46	34.0		iSn 23 34 15.8
							Gulf of Bothnia, 65.2°N,
							23.0°E.
							Origin time = 22 45 59.
							M _L (UPP) = 2.7 (0.22) 6.
							Felt.
"	9	UPP	iP	06 00	44.8		" 9 UPP iP 13 13 56.0
							KIR iP 13 13 02.8
							micr sec
			P	Z'	0.2 0.9		P Z' 0.2 0.9
		UME	iP	13 13	28.6		UME iP 13 13 28.6
							Near Islands, Aleutian Islands
							(h = 40 km).
"	9	UPP	iP	20 12	00.8		" 11 UPP iP 00 32 24
			iS	20 22	09		iSKS 00 43 00
							micr sec
			Mx	Z	8.5 16		Mx Z 7.9 16
		(cont.)					KIR iP 00 32 01.1
							micr sec
							Mx Z 4.8 17
							UME iP 00 32 10.8
							West Caroline Islands
							(h = 25 km).
							M = 6.2 (UPP,KIR).

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985			
Aug.	15	UPP iP	04 31	51.4	Aug. 16 (cont.)	
		Mx Z	6.5	10	UPP iS	
		KIR iP	04 33	33.5	P Z'	
		Mx Z	3.5	9	Mx Z	
		UME iP	04 32	42.4	KIR iP	
		Hungary (h = 10 km).			iPP	
		M = 5.1 (UPP,KIR).			P Z'	
		Note that M is given here			UME iP	
		irrespective of the fact			iPP	
		that the epicentral distance			i	
		to UPP is less than 20°.			iS	
"	15	UPP iPKP1	13 35	52.4	Iran-USSR border region	
		i	13 35	58.1	(h = N).	
		KIR ePKP	13 35	32	m = 5.7 (UPP,KIR).	
		UME iPKP1	13 35	39.9	"	16 UDD iSg1
		Kermadec Islands (h = N).			18 14 34.9	
"	15	UPP iP	19 01	53.6	Southern Norway, 59.4°N,	
		KIR iP	19 03	18.1	7.0°E.	
		UME iP	19 02	40.4	Origin time = 18 12 47.	
		Northern Italy (h = 10 km).			Solution from Bergen bulletin.	
					Possible explosion.	
"	15	UPP iP	22 24	31.5	"	17 UPP iR
		i	22 24	38.6	02 57 38.4	
		KIR eP	22 24	55	KIR iP	02 57 32.4
		UME iP	22 24	40.9	UME iP	02 57 29.2
		Mid-Indian Rise (h = 10 km).			Kirghiz-Xinjiang border	
"	15	UPP iP	23 52	09.7	region (h = N).	
		KIR iP	23 51	37.3	"	17 UPP iP
		UME iP	23 51	51.1	07 59 04.2	
		Bonin Islands region			KIR iP	07 58 30.6
		(h = N).			UME iP	07 58 47.7
"	16	UPP iP	02 03	46.9	Bonin Islands region (h = N).	
		KIR iP	02 03	13.8	"	17 UPP iP
		UME iP	02 03	27.8	13 50 52.4	
		Bonin Islands region			ipP	13 51 04.9
		(h = N).			KIR ipP	13 50 31.2
"	16	KIR iP	08 20	08.7	UME iP	13 50 32.8
		P Z'	0.1	0.7	ipP	13 50 46.2
		UME iP	08 20	00.4	Bonin Islands region.	
					h = 45 km (UPP,UME).	
"	16	UDD iSg1	09 50	20.1	"	17 UPP iP
		Coast of southwestern Norway,			15 29 25.6	
		60.5°N, 4.9°E.			KIR iP	15 28 52.7
		Origin time = 09 48 06.			UME iP	15 29 06.4
		Solution from Bergen bulletin.			Bonin Islands region (h = N).	
"	16	UPP iP	10 53	41.1 D	"	17 UPP iP
		iPP	10 54	56.3	18 42 37.6	
		(cont.)			KIR iP	18 42 05.0
					UME iP	18 42 18.8
					Bonin Islands region (h = N).	
"	16	UPP iP	04 01	31.4	"	18 UPP iP
		KIR iP	04 01	14.8	04 01 31.4	
		UME iP	04 01	19.8	KIR iP	
		Halmahera (h = 65 km).			04 01 14.8	
					UME iP	
					04 01 19.8	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Aug.	18	UPP	iP	04 36 31.7	Aug.	20	UPP	iP	11 16 01.6
		KIR	eP	04 36 01				ipP	11 16 12.2
		UME	iP	04 36 13.7			KIR	iP	11 15 44.7
				Bonin Islands region (h = N).				ipP	11 15 55.9
"	18	UPP	iP	04 40 42.0			UME	iP	11 15 47.6
		KIR	iP	04 40 08.5			Southern Xinjiang, China.		
		UME	iP	04 40 23.6			h = 40 km (UPP,KIR).		
				Bonin Islands region (h = N).	"	20	UPP	iP	17 39 24.0
"	18	UPP	iP	08 04 18.2			KIR	iP	17 38 51.2
		KIR	eP	08 04 27			UME	iP	17 39 04.8
		UME	iP	08 04 16.6			South of Honshu, Japan		
				Hindu Kush region (h = 120 km).			(h = 440 km).		
"	18	UDD	iSg1	17 35 17.9	"	20	UDD	iSg1	18 57 56.1
				Southern Norway, 61.3 ⁰ N, 7.9 ⁰ E.			Southern Norway, 61.4 ⁰ N, 8.1 ⁰ E.		
				Origin time = 17 33 43.			Origin time = 18 56 21.		
				Solution from Bergen bulletin.			Solution from Bergen bulletin.		
"	19	UPP	iP	11 01 32.2	"	20	UPP	iP	20 44 31.5
		KIR	iP	11 02 37.4			Bonin Islands region (h = N).		
				Eastern Mediterranean Sea	"	20	UPP	iP	20 44 51.3
				(h = 50 km).			KIR	iP	20 44 20.0
"	19	UPP	iP	13 52 22.6			UME	iP	20 44 32.6
		KIR	iP	13 52 10.5			Bonin Islands region (h = N).		
		UME	eP	13 52 12	"	21	UPP	iP	11 40 14.6
				Yunnan Province, China					micr sec
				(h = 10 km).			Mx	Z	7.5 22
"	19	UPP	iP	15 30 48.2			KIR	iP	11 40 17.7
				Southern Iran (h = N).					micr sec
"	19	UPP	iP	16 42 51.7			Mx	Z	3.1 21
		KIR	eP	16 42 42			UME	iP	11 40 18.2
				Yunnan Province, China			Near coast of Northern Peru		
				(h = 10 km).			(h = 55 km).		
"	19	UPP	iP	18 45 23.6 D			M = 6.0 (UPP,KIR).		
				micr sec			M not corrected for focal		
				P Z' 0.2 0.9			depth.		
		KIR	iP	18 45 31.0 D	"	21	UPP	iP	16 41 23.4 D
				micr sec					micr sec
				P Z' 0.2 0.8			P	Z'	0.2 1.2
		UME	iP	18 45 21.4 D			Mx	Z	8.2 19
				Afghanistan-USSR border			KIR	iP	16 40 06.5 D
				region (h = 50 km).			i		16 40 16.0
				m = 6.0 (UPP,KIR).					micr sec
"	20	UPP	eP	05 55 38			P	Z'	0.1 0.7
			i	05 55 45.8			Mx	Z	7.1 14
		KIR	i	05 56 33.6			UME	iP	16 40 46.6 D
		UME	iP	05 56 01.8			Jan Mayen Islands region		
			i	05 56 07.7			(h = 10 km).		
				Ethiopia (h = 10 km).			m = 6.1, M = 4.8 (UPP,KIR).		
							It should be emphasized that		
							M is given irrespective of the		
							fact that the epicentral		
							distance to both UPP and KIR		
							is less than 20 ⁰ .		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Aug.	22	UPP eP UME iP Hindu Kush region (h = 90 km).	06 28 09 06 28 06.4	Aug.	23	UPP iP KIR iP UME iP Mindoro, Philippine Islands (h = 180 km).	17 07 19.0 17 07 01.3 17 07 07.6
"	22	UPP iP UME iP Kuril Islands (h = N).	06 48 50.3 06 48 25.1	"	23	UPP iP KIR iP UME eP Southern Xinjiang, China (h = 10 km).	19 26 47.7 19 26 47.4 19 26 38
"	22	UPP iSg1 UDD iSg1 Off coast of southern Norway, 58.0°N, 6.0°E. Origin time = 13 13 52. M _L (UPP) = 2.7 1. Solution from Bergen bulletin.	13 17 03.0 13 16 03.4	"	24	UPP iP KIR iP Southern Xinjiang, China (h = 10 km).	04 25 36.6 04 25 38.4
"	23	UPP iP	03 30 29.0	"	24	UPP iP KIR iP	07 10 03.5 07 09 17.0
"	23	UPP iP	05 00 24.1				micr sec P Z' 0.1 0.8
"	23	UPP iP P Z' 0.1 0.7 KIR iP P Z' 0.1 0.6 UME iP Southern Xinjiang, China (h = 10 km). m = 5.7 (UPP,KIR).	08 40 38.5 08 40 38.7 08 40 30.4			UME iP Northwest of Kuril Islands (h = 400 km).	07 10 38.0
"	23	UPP iP KIR eP Andreanof Islands, Aleutian Is. (h = N).	10 21 58.5 10 21 04	"	24	UPP iPKP1 KIR iPKP UME iPKP South of Fiji Islands (h = 350 km).	07 11 56.8 07 11 48.3 07 11 54.7
"	23	UPP eP KIR iP Andreanof Islands, Aleutian Is. (h = N).	11 03 35 11 02 41.8			UPP Mx Mx Z 4.2 22 KIR Mx Mx Z 1.4 17	21 18 micr sec 21 16 micr sec 17
"	23	UPP iP iS P Z' 1.6 1.1 KIR iP P Z' 1.2 1.0 UME iP Southern Xinjiang, China (h = 7 km). m = 6.6 (UPP,KIR). No surface wave magnitude determined due to oversaturation of all instruments, including the low-sensitive Wiechert pendulum in Uppsala.	12 49 39.2 12 55 52 12 49 40.9 12 49 34.0			Revilla Gigedo Islands region (h = 10 km). M = 5.7 (UPP,KIR).	
"	23	UPP iP iS P Z' 1.6 1.1 KIR iP P Z' 1.2 1.0 UME iP Southern Xinjiang, China (h = 7 km). m = 6.6 (UPP,KIR). No surface wave magnitude determined due to oversaturation of all instruments, including the low-sensitive Wiechert pendulum in Uppsala.	12 49 39.2 12 55 52 12 49 40.9 12 49 34.0	"	25	UPP iP KIR iP UME iP Near east coast of Kamchatka (h = 130 km).	10 18 09.7 10 17 16.2 10 17 41.7
"	23	UPP iP iS P Z' 1.6 1.1 KIR iP P Z' 1.2 1.0 UME iP Southern Xinjiang, China (h = 7 km). m = 6.6 (UPP,KIR). No surface wave magnitude determined due to oversaturation of all instruments, including the low-sensitive Wiechert pendulum in Uppsala.	12 49 39.2 12 55 52 12 49 40.9 12 49 34.0	"	25	KIR eP Halmahera (h = 70 km).	12 05 06
"	23	UPP iP iS P Z' 1.6 1.1 KIR iP P Z' 1.2 1.0 UME iP Southern Xinjiang, China (h = 7 km). m = 6.6 (UPP,KIR). No surface wave magnitude determined due to oversaturation of all instruments, including the low-sensitive Wiechert pendulum in Uppsala.	12 49 39.2 12 55 52 12 49 40.9 12 49 34.0	"	25	UPP iSg1 KIR iPg1 iSg1 UME iPn iSn iSg1 UDD iSn (cont.)	16 33 10.8 16 29 43.6 16 30 14.7 16 30 13.0 16 31 03.6 16 31 23.0 16 32 22.6

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985						
Aug.	25	(cont.)		Aug.	27	KIR	iPg1	11 38 49.6		
		UDD	eSg1				iSg1	11 39 14.4		
		MYV	iPn							
			eSg1	"	27	UPP	iPKP	18 26 22.9		
		Northern Norway, near 68°N, 15°E.				KIR	iPKP	18 26 37.8		
		Origin time = 16 29 01.				UME	iPKP	18 26 31.2		
		M _L (UPP) = 2.9 (0.13) 5.				South Sandwich Islands region (h = N).				
"	25	UPP	iP	"	27	KIR	eP	21 14 46		
						UME	eP	21 14 38		
			P			Afghanistan-USSR border region (h = N).				
			Z'							
		KIR	iP							
		UME	iP							
		Burma-China border region (h = N).			"	28	UPP	iP	00 17 42.4	
						KIR	iP	00 17 42.3		
						UME	iP	00 17 36.6		
"	26	UPP	iSg1			Southern Xinjiang, China (h = 10 km).				
		UDD	iSg1	"	28	UPP	i(PKP)	21 08 57.1		
		Off coast of southern Norway, 58.1°N, 6.1°E.					iPKP1	21 08 58.8		
		Origin time = 13 18 22.					iPKP	21 09 08.4		
		M _L (UPP) = 2.5 1.					iSKP1	21 11 43.4		
		Solution from Bergen bulletin.					i	21 12 07.7		
								micr sec		
"	26	UPP	Mx				PKP	Z' 0.1 0.5		
						KIR	i(PKP)	21 08 38.6		
			Mx				i	21 08 40.2		
		KIR	Mx				iPKP	21 08 50.9		
							iSKP1	21 11 20.0		
			Mx					micr sec		
			Z			UME	i(PKP)	Z' 0.3 0.8		
		New Britain region (h = N).					i	21 08 46.8		
		M = 6.0 (UPP,KIR).					iPKP	21 08 52.8		
"	26	UPP	iP				iSKP1	21 11 32.7		
						Fiji Islands region (h = 630 km).				
			Mx							
			Z			"	29	UPP	iP	03 56 18.4
		KIR	iP					KIR	iP	03 55 36.5
								UME	iP	03 55 54.7
			Mx			Near east coast of Honshu, Japan (h = 45 km).				
			Z							
		UME	iP							
		Off east coast of Honshu, Japan (h = 30 km).				"	29	UPP	iPKP	06 31 59.2
		M = 5.6 (UPP,KIR).						KIR	iPKP	06 32 14.3
"	27	UPP	iP			South Sandwich Islands region (h = 50 km).				
		KIR	iP							
			P			"	29	UPP	iP	23 30 15.4
			Z'					KIR	iP	23 30 40.6
		UME	iP					UME	iP	23 29 56.9
		North Atlantic ridge (h = 10 km).					Bonin Islands region (h = 20 km).			
"	27	UPP	ePKP							
			i							
		KIR	iPKP							
		UME	iPKP							
		Tonga Islands (h = 35 km).								

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985					1985				
Aug.	29	UPP	iP	23 47 32.2	Aug.	30	UPP	iP	20 39 25.7 C
		KIR	iP	23 47 32.3					micr sec
		UME	iP	23 43 25.4			P	Z'	0.1 0.7
		Southern Xinjiang, China (h = 15 km).					KIR	iP	20 39 06.7 C
									micr sec
"	30	UPP	iP	07 07 56.0			P	Z'	0.2 0.7
		UME	iP	07 07 38.3			UME	iP	20 39 13.0 C
		Bonin Islands region (h = N).					Luzon, Philippine Islands (h = 30 km). m = 6.1 (UPP,KIR).		
"	30	UPP	iP	11 01 48.3	"	30	UPP	iP	21 33 41.2
				micr sec			KIR	iP	21 33 22.1
		P	Z'	0.1 0.8			UME	iP	21 33 28.9
		KIR	iP	11 01 57.2			Luzon, Philippine Islands (h = N).		
		UME	iP	11 01 45.8					
		Afghanistan-USSR border region (h = 110 km).			"	31	UPP	iP	06 08 26.3
"	30	UPP	iP	12 52 48.4					micr sec
		Bonin Islands region (h = 40 km).					Mx	Z	2.1 9
"	30	UPP	iP	17 41 55.1			UME	iP	06 09 06.2
		Near Islands, Aleutin Islands (h = N).					Greece-Albania border region (h = 45 km).		
"	30	UPP		micr sec	"	31	UPP	iP	06 37 55.3
		Mx	Z	1.9 16			Greece-Albania border region (h = 10 km).		
		KIR	iP	18 50 40.2	"	31	UPP	iP	06 42 51.6
				micr sec			UME	iP	06 42 32.2
		Mx	Z	1.5 14			Bonin Islands region (h = N).		
		Iceland region (h = 10 km). M = 4.4 (UPP,KIR). M is given irrespective of the fact that epicentral distance to both UPP and KIR is less than 20°.							
"	30	UPP	iP	19 05 45.6					
				micr sec					
		Mx	Z	4.3 17					
		KIR	iP	19 05 15.9					
				micr sec					
		P	Z'	0.3 1.5					
		Mx	Z	3.0 15					
		UME	iP	19 05 33.7					
		Iceland region (h = 10 km). M = 4.7 (UPP,KIR). M is given even though the epicentral distance to both UPP and KIR is less than 20°.							
"	30	UPP	iP	19 26 43.7					
		KIR	iP	19 26 29.8					
		UME	iP	19 26 34.3					
		Yunnan Province, China (h = 10 km).							

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Conny Holmqvist
Myung-Soon Jun
Ota Kulhánek
Aristoteles Vergara
Rutger Wahlström

SEISMOLOGICAL DEPARTMENT
 BOX 12019
 S-750 12 UPPSALA
 SWEDEN

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SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEA, UDDEHOLM
 DELARY and MYRVIKEN

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYV)	62°56.5'N,	14°20.8'E;	h = 345 m

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1985				1985			
Sep.	1	UPP ip	01 12 36.3	Sep.	2	UPP ip	02 18 49.8
		UME ip	01 12 37.7 C			Eastern Caucasus (h = N).	
		i	01 12 51.6				
		Cuba region (h = 10 km).		"	2	UPP ip	08 49 10.1
"	1	UPP ip	04 58 40.9			KIR ip	08 48 37.2
		UME ip	04 58 22.3			UME ip	08 48 50.5
		Bonin Islands region (h = N).				Bonin Islands region (h = N).	
"	1	UME ip	15 34 31.3	"	2	UPP ip	08 50 40.1
		Near east coast of Honshu, Japan (h = N).				KIR ip	08 50 06.7
						i	08 50 12.8
						UME ip	08 50 20.8
						Bonin Islands region (h = N).	
"	1	UPP ip	19 18 38.8	"	2	UDD iSg1	21 08 22.4
		KIR eP	19 18 25			Near coast of southern Norway, 62.4°N, 7.6°E.	
		UME ip	19 18 30.7			Origin time = 21 06 21.	
		Yunnan Province, China (h = 10 km).				M _l (UPP) = 2.3 1.	
						Solution from Bergen bulletin.	
"	1	UPP ip	22 09 01.0	"	3	UPP ip	03 41 36.0
		KIR ip	22 08 14.6			KIR ip	03 40 56.0
		UME ip	22 08 35.7			Lake Baikal region (h = N).	
		Kuril Islands (h = 70 km).					
"	1	KIR ip	22 38 39.3	"	3	UPP ip	07 57 19.9
		ipP	22 39 02.8			KIR ip	07 57 28.7 C
		UME ip	22 38 43.0			UME ip	07 57 18.0 C
		ipP	22 39 05.9			Hindu Kush region (h = 80 km).	
		Minahassa Peninsula. h = 80 km (KIR,UME).					
"	1	KIR ip	23 41 48.3	"	3	UPP ip	08 14 29.5
		Southern Xinjiang, China (h = 25 km).				KIR ip	08 15 01.4
"	2	UPP ip	01 45 05.4	"	3	KIR ip	08 41 06.5
		KIR eP	01 44 46			Northern Colombia (h = 35 km).	
		UME ip	01 44 52.1	"	3	UPP ip	14 12 00.0
		Philippine Islands region (h = 40 km).				KIR ip	14 11 27.6
						(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985		1985	
Sep.	3	(cont.) UME eP 14 11 40 Bonin Islands region (h = N).	Sep. 5 KIR iPg1 17 30 16.0 i 17 30 38.9 iSg1 17 30 41.9 Coast of northern Norway, near 69 1/2°N, 17 1/2°E. Origin time = 17 29 41. M _L (UPP) = 2.3 1. By combination with TR0 and Finnish station readings.
"	3	UPP iP 16 58 34.6 KIR iP 16 58 01.8 UME iP 16 58 16.3 Bonin Islands region (h = N).	" 5 UPP iP 18 40 51.3 micr sec Mx Z 2.4 25 KIR iP 18 40 45.4 micr sec Mx Z 2.7 17 UME iP 18 40 43.2 iS 18 49 10 Burma-China border region (h = N). M = 5.4 (UPP,KIR).
"	3	UPP iP 23 46 14.2 ipP 23 46 44.0 KIR iP 23 45 58.1 ipP 23 46 23.3 micr sec P Z' 0.2 1.0 UME iP 23 46 03.3 ipP 23 46 28.6 Halmahera. h = 100 km (UPP,KIR,UME).	" 6 UPP eP 04 09 06 UME iP 04 08 47.3 Bonin Islands region (h = N).
"	4	KIR iP 08 36 46.9 C Mindanao, Philippine Islands (h = 110 km).	" 7 KIR iP 00 35 49.6 Ceram (h = 25 km).
"	4	UPP iP 08 40 06.4 micr sec P Z' 0.1 1.0 KIR iP 08 40 14.8 Afghanistan-USSR border region (h = 55 km).	" 7 KIR iP 04 54 13.7 Ceram (h = 25 km).
"	4	UPP eP 09 53 10 Greece (h = 35 km).	" 7 UPP iP 10 25 49.3 D iS 10 29 51.4 micr sec P Z' 0.2 0.9 Mx Z 14 15 KIR iP 10 27 01.4 i 10 27 10.6 micr sec P Z' 0.2 1.0 Mx Z 4.2 14 UME iP 10 26 25.4 i 10 26 36.1 iS 10 31 06.5 Southern Greece (h = 30 km). m = 5.8, M = 5.4 (UPP,KIR).
"	4	KIR iP 19 32 22.5 Hokkaido, Japan region (h = 50 km).	" 8 KIR iP 09 35 29.3 Nicobar Islands region (h = N).
"	5	KIR iPg1 08 19 55.8 iSg1 08 20 20.7 Coast of northern Norway, near 69 1/2°N, 17 1/2°E. Origin time = 08 19 22. M _L (UPP) = 2.6 1. By combination with TR0 and Finnish station readings.	" 8 UPP iSn 12 35 10.5 eSg1 12 35 45 UDD iPn 12 33 11.7 iSn 12 34 08.9 iSg1 12 34 34.6 (cont.)
"	5	UPP iP 15 44 39.7 UME iP 15 44 19.6 Near s. coast of Honshu, Japan (h = 310 km).	" 5 UPP iP 16 42 13.7 KIR iP 16 41 42.2 UME iP 16 41 56.2 D Bonin Islands region (h = 500 km).

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985		1985	
Sep.	8	(cont.)	Sep. 10 (cont.)
		DEL iSn 12 34 59.6	Mx Z 10 22
		MYV iPn 12 33 15.2	New Britain region (h = 10 km).
		iSn 12 34 13.8	M = 6.5 (UPP,KIR).
		Off coast of western Norway, near 61 1/2°N, 3 1/2°E. Origin time = 12 31 55. M _L (UPP) = 3.1 1.	
"	8	KIR iP 13 56 51.2	" 10 KIR iP 04 45 05.1
		Near east coast of Kamchatka (h = N).	Kuril Islands (h = N).
"	8	KIR iP 16 03 53.7	" 10 KIR iP 05 02 13.3
		Tajik SSR (h = 130 km).	Mindoro, Philippine Islands (h = 140 km).
"	8	KIR iP 16 11 50.2	" 10 UPP iP 06 50 24.2 D
		Negros, Philippine Islands (h = 60 km).	iS 06 59 51.2
"	8	KIR iP 22 51 01.4	P Z' 0.5 0.8
		Southern Xinjiang, China (h = 10 km).	Mx Z 3.0 20
"	8	UPP iPKP1 23 04 14.6	KIR iP 06 49 52.7 D
		KIR iPKP 23 04 07.9	iS 06 58 51.3
		Fiji Islands region (h = 620 km).	P Z' 0.5 0.8
"	8	KIR iP 23 12 01.9	Mx Z 4.1 17
		Southern Xinjiang, China (h = 10 km).	Bonin Islands region (h = 500 km).
"	9	KIR iP 05 39 30.9	m = 6.0, M = 5.8 (UPP,KIR).
		Andaman Islands region (h = 40 km).	M not corrected for focal depth.
"	9	KIR iP 14 09 16.0 C	" 10 UDD iSg1 08 41 14.3
		North Atlantic Ridge (h = 10 km).	Southern Norway, 59.2°N, 7.1°E. Origin time = 08 39 22. M _L (UPP) = 2.4 1. Solution from Bergen bulletin.
"	9	UPP iP 15 29 00.4	" 10 KIR iP 09 08 50.2
		KIR iP 15 28 11.7 C	Bonin Islands region (h = 500 km).
		micr sec	" 10 KIR iP 18 01 21.6
		P Z' 0.1 1.0	" 10 KIR iP 20 48 46.0
		Kuril Islands (h = N).	" 11 UPP iP 02 04 03.6
"	10	UPP iP 01 35 58.5	i 02 04 09.2
		KIR iP 01 34 58.3	KIR iP 02 04 18.8
		micr sec	i 02 04 24.3
		P Z' 0.2 1.0	Uzbek SSR (h = N).
		Eastern Siberia (h = 15 km).	" 11 UPP iP 03 16 59.8 C
"	10	UPP micr sec	KIR iP 03 16 08.4 C
		Mx Z 11 18	micr sec
		KIR iPKP 04 26 19.7	P Z' 0.1 0.7
		(cont.)	Northwest of Kuril Islands (h = 540 km).
"	11	UPP iP 07 52 25.6	" 11 UPP iP 07 52 25.6
		Hindu Kush region (h = 190 km).	" 11 UPP i(P) 14 34 07.7

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985				
Sep.	11	UPP iP Burma-China border region (h = N).	15 34 38.8	Sep.	13	UPP iP KIR iP Southern Xinjiang, China (h = 10 km).	13 29 03.9 13 29 03.9
"	11	KIR iPKP Tonga Islands (h = 70 km).	18 06 31.7	"	13	KIR iP Nicobar Islands region (h = N).	21 47 18.8
"	11	UPP iP i iS micr sec i Z' 0.3 1.1 Mx Z 121 20 KIR iP i micr sec P Z' 0.1 0.9 i Z' 0.4 1.0 Mx Z 41 12 Southern Xinjiang, China (h = 15 km). m = 6.0, M = 6.7 (UPP,KIR).	20 53 33.3 20 53 36.2 20 59 50	"	14	KIR iP Molucca Passage (h = 60 km).	10 14 26.3
"	11	UPP iP i iS micr sec i Z' 0.3 1.1 Mx Z 121 20 KIR iP i micr sec P Z' 0.1 0.9 i Z' 0.4 1.0 Mx Z 41 12 Southern Xinjiang, China (h = 15 km). m = 6.0, M = 6.7 (UPP,KIR).	20 53 33.3 20 53 41.0	"	14	UPP iP Aegean Sea (h = 10 km).	15 38 43.5
"	11	UPP iP KIR iP i Southern Xinjiang, China (h = 20 km).	21 16 32.6 21 16 31.8 21 16 33.7	"	15	UPP iP P Z' 0.1 1.0 KIR iP i micr sec i Z' 0.1 1.0 Southeastern Alaska (h = 2 km). m = 5.7 (UPP,KIR).	01 38 21.4 01 37 27.8 C 01 37 31.5
"	11	UPP iP KIR iP i Southern Xinjiang, China (h = 20 km).	21 16 32.6 21 16 31.8 21 16 33.7	"	15	UPP iPdiffer micr sec Mx Z 13 21 KIR iPdiffer i micr sec Mx Z 8.1 19 West Irian region (h = 10 km). M = 6.4 (UPP,KIR).	01 43 42.8 01 43 23.5 01 43 26.4
"	11	UPP iP KIR iP Mindoro, Philippine Islands (h = 140 km).	22 19 30.5 22 19 13.2	"	15	UPP iPdiffer micr sec Mx Z 10 22 KIR iPdiffer micr sec Mx Z 5.0 18 West Irian region (h = 10 km). M = 6.3 (UPP,KIR).	02 57 13.8 02 56 54.7
"	11	UPP iP KIR iP Southern Xinjiang, China (h = 10 km).	23 12 39.3 23 12 39.6	"	15	UPP iPKP1 iPKP2 Kermadec Islands region (h = 330 km).	07 25 01.6 07 25 05.6
"	12	UPP iPKP2 UME iPKP1 South Island, New Zealand (h = 90 km).	13 13 19.0 13 12 52.3	"	15	UPP iP i micr sec P Z' 0.1 1.0 KIR iP iPKP i micr sec Mx Z 7.5 22 Oaxca, Mexico (h = 70 km). m = 6.3 (UPP,KIR).	08 10 30.3 08 10 35.6 08 10 15.0 08 10 34.4 08 10 42.4
"	12	UPP iP 17 21 46.6	17 21 46.6	"	15	UPP iP i micr sec P Z' 0.1 1.0 KIR iP iPKP i micr sec Mx Z 7.5 22 Oaxca, Mexico (h = 70 km). m = 6.3 (UPP,KIR).	08 10 30.3 08 10 35.6 08 10 15.0 08 10 34.4 08 10 42.4
"	12	UME iP Near s. coast of Honshu, Japan (h = N).	23 09 22.9	"	15	UPP iP i micr sec P Z' 0.1 1.0 KIR iP iPKP i micr sec Mx Z 7.5 22 Oaxca, Mexico (h = 70 km). m = 6.3 (UPP,KIR).	08 10 30.3 08 10 35.6 08 10 15.0 08 10 34.4 08 10 42.4
"	13	UME iP iPKP Mexico-Guatemala border region. h = 170 km (UME).	00 01 37.8 00 02 22.4	"	15	UPP iP i micr sec P Z' 0.1 1.0 KIR iP iPKP i micr sec Mx Z 7.5 22 Oaxca, Mexico (h = 70 km). m = 6.3 (UPP,KIR).	08 10 30.3 08 10 35.6 08 10 15.0 08 10 34.4 08 10 42.4
"	13	UME iP Tibet (h = N).	05 42 20.0	"	15	UPP iP i micr sec P Z' 0.1 1.0 KIR iP iPKP i micr sec Mx Z 7.5 22 Oaxca, Mexico (h = 70 km). m = 6.3 (UPP,KIR).	08 10 30.3 08 10 35.6 08 10 15.0 08 10 34.4 08 10 42.4

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Sep.	15	UPP	iPKP	11 43 55.9	Sep.	19	UPP	ipP	02 46 32.7
		KIR	i(PKP)	11 43 37.5			Southwestern Ryukyu Islands (h = N).		
			iPKP	11 43 45.1					
			iSKP1	11 46 48.2					
		Tonga Islands (h = 250 km).			"	19	UPP	eP	13 30 36
"	15	KIR	iP	12 31 21.2			i	13 30 45.4	
		Near west coast of Honshu, Japan (h = 25 km).						micr sec	
							i	Z' 2.4 2.0	
							Mx	Z 589 27	
"	15	KIR	iPdiff	23 12 39.2			KIR	iP	13 30 21.1
		Sumba Island region (h = 40 km).						i	13 30 24.7
								i	13 30 29.5
								micr sec	
								i	Z' 18.0 2.5
"	17	KIR	iP	04 01 49.3				Mx	Z 581 16
		UME	iP	04 01 54.2			UME	iP	13 30 31.0
		Halimahera (h = 240 km).						i	13 30 36.5
							Michoacan, Mexico (h = 30 km). m = 7.5, M = 8.0 (UPP,KIR).		
"	17	UPP	iP	10 08 47.7	"	19	UPP	iP	17 29 32.3
		KIR	iP	10 08 14.7					micr sec
		Bonin Islands region (h = N).						P	Z' 0.1 1.0
"	17	UPP	iP	20 55 05.7			KIR	iP	17 30 43.8
							UME	iP	17 30 07.9
"	17	KIR	eP	20 57 22			Southern Greece (h = 45 km).		
		UME	iP	20 57 40.1	"	20	UPP	iP	00 38 13.3
		Bonin Islands region (h = N).					KIR	iP	00 37 40.3
"	18	UPP	iP	00 17 27.0			Bonin Islands region (h = 45 km).		
			i	00 17 30.6	"	20	UPP	iP	15 13 10.5
			iS	00 22 58.4					micr sec
				micr sec				Mx	Z 1.9 20
			i	Z' 0.1 1.0			KIR	iP	15 12 44.7
			Mx	Z 0.9 13					micr sec
		KIR	iP	00 18 07.4 C				Mx	Z 1.2 11
				micr sec			UME	eP	15 13 00
			Mx	Z 0.8 12			Taiwan region (h = 20 km). M = 5.5 (UPP,KIR).		
		UME	iP	00 17 42.4 C	"	20	UPP	iPKP1	18 20 24.0
		Western Iran (h = N). M = 4.8 (UPP,KIR).					South of Fiji Islands (h = 150 km).		
"	18	UPP	iP	01 37 56.9	"	21	UPP	iP	01 50 05.4
				micr sec				i	01 50 07.5
			M	Z 2.6 21				i	01 50 10.5
		KIR	iP	01 37 04.9				iPP	01 53 31
				micr sec				iSKS	02 00 37
			Mx	Z 0.9 13				iS	02 00 46
		Kuril Islands (h = 55 km). M = 5.3 (UPP,KIR). M not corrected for focal depth.							micr sec
								i	Z' 0.4 1.5
"	18	KIR	iPKP	06 10 37.5				Mx	Z 376 24
		UME	iPKP	06 10 43.6			KIR	iP	01 49 48.0
		Vanuatu Islands (h = N).						i	01 49 50.1
"	18	UPP	iP	18 47 29.2			(cont.)		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
1985	26	(cont.)		1985	26	UME	iPKP1	22 32 19.4	
Sep.		KIR	iPKP1	07 47 21.7 C				South of Kermadec Islands (h = N).	
				micr sec					
			Mx	Z 16 24					
		UME	iPKP	07 47 28.0 C	"				
			iPKP1	07 47 32.4					
		South of Kermadec Islands (h = 50 km). M = 7.0 (UPP,KIR).							
"	26	UPP	iPKP2	08 00 15.9	"	27	UPP	iP	02 17 23.1
		UME	iPKP1	07 59 56.2			UME	iP	02 16 56.4
		South of Kermadec Islands (h = N).					Kuril Islands (h = N).		
"	26	KIR	iPKP1	12 36 33.4	"	27	KIR	iPKP1	03 31 26.0
		UME	iPKP1	12 36 43.1			UME	iPKP1	03 31 35.9
		East of North Island, N.Z. (h = N).					East of North Island, N.Z. (h = N).		
"	26	KIR	iPKP1	12 38 56.5	"	27	UPP	iPKP	03 58 02.2
		UME	iPKP1	12 39 06.4					micr sec
		East of North Island, N.Z. (h = N).						Mx	Z 48 20
"	26	KIR	iPKP1	15 21 19.6			KIR	iPKP	03 57 49.5
		UME	ePKP1	15 21 30				i	03 58 57.7
		East of North Island, N.Z. (h = N).							micr sec
"	26	UPP	iPKP2	15 53 30.8			UME	iPKP	03 57 53.2
		KIR	iPKP1	15 53 00.9				i	03 57 55.3
		UME	iPKP1	15 53 11.0			Solomon Islands (h = 30 km). M = 7.0 (UPP,KIR).		
		East of North Island, N.Z. (h = N).			"	27	UME	iPKP1	06 49 04.2
"	26	KIR	iPKP1	16 28 59.7			East of North Island, N.Z. (h = N).		
			i	16 29 10.5	"	27	KIR	iPKP1	09 55 46.9
		UME	iPKP1	16 29 09.7			UME	iPKP1	09 55 56.4
			i	16 29 20.6	"	27	UPP	iPKP	10 29 44.4
		East of North Island, N.Z. (h = N).							micr sec
"	26	KIR	iPKP1	19 11 44.2				Mx	Z 3.6 18
		UME	iPKP1	19 11 54.1			KIR		micr sec
		East of North Island, N.Z. (h = N).						Mx	Z 3.0 19
"	26	UPP	ePKP1	22 12 09			UME	iPKP	10 29 41.1 D
		KIR	iPKP1	22 11 48.9			Tonga Islands region (h = N). M = 6.1 (UPP,KIR).		
		UME	iPKP1	22 11 58.8	"	27	UPP	iP	12 44 35.4
			i	22 12 07.8				i	12 44 48.2
		East of North Island, N.Z. (h = N).					UME	iP	12 44 16.1
"	26	KIR	ePKP1	22 29 35	"	27	UPP	iP	16 45 16.9 C
		UME	iPKP1	22 29 44.7				iS	16 49 42
		East of North Island, N.Z. (h = N).							micr sec
"	26	KIR	ePKP1	22 29 35				Mx	Z 6.0 22
		UME	iPKP1	22 29 44.7			KIR	iP	16 46 24.2 C
		East of North Island, N.Z. (h = N).							micr sec
								Mx	Z 3.3 13
							(cont.)		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985			1985		
Sep.	27	(cont.) UME iP 16 45 48.9 C iS 16 50 39 Crete (h = 60 km). m = 6.3, M = 5.2 (UPP,KIR). M not corrected for focal depth.	Sep.	28	UME iPKP1 09 31 14.6 East of North Island, N.Z. (h = N).
"	27	UME iPKP1 16 57 46.4 East of North Island, N.Z. (h = N).	"	28	UPP iP 14 54 32.8 iS 14 57 54 micr sec Mx Z 5.8 11 KIR eP 14 55 59 micr sec Mx Z 2.7 10 UME iP 14 55 13.1 iS 14 59 14 Yugoslavia (h = 5 km). M = 5.2 (UPP,KIR).
"	27	UME ePKP1 21 43 36 i 21 43 44.8 South of Kermade Islands (h = N).	"	28	KIR iPKP1 17 27 22.7 UME iPKP1 17 27 32.5 East of North Island, N.Z. (h = N).
"	27	UPP iPKP2 22 19 08.4 i 22 19 18.3 KIR iPKP1 22 18 39.7 i 22 18 48.4 UME iPKP1 22 18 47.9 i 22 18 58.8 South of Kermadec Islands (h = N).	"	28	KIR iPKP1 19 28 32.2 UME iPKP1 19 28 42.9 East of North Island, N.Z. (h = N).
"	27	UME iPKP1 22 58 45.1 i 22 58 56.7 South of Kermadec Islands (h = N).	"	29	UPP ePKP1 02 52 36 KIR iPKP1 02 52 10.8 UME iPKP1 02 52 19.2 South of Kermadec Islands (h = N).
"	28	KIR iPKP1 00 13 15.5 UME iPKP1 00 13 25.5 South of Kermadec Islands (h = N).	"	29	KIR ePKP 05 46 33 iSKP1 05 49 12.8 South of Fiji Islands (h = 540 km).
"	28	UPP iP 00 14 03.1 i 00 14 04.2 micr sec i Z' 0.1 0.9 KIR iP 00 14 12.9 UME iP 00 14 02.3 Afghanistan-USSR border region (h = 80 km).	"	29	UDD iSn 20 58 24.3 North Sea, 57.4°N, 0.4°E. Origin time = 20 55 13. Solution from Bergen bulletin.
"	28	KIR iPKP1 01 33 07.1 UME iPKP1 01 33 16.8 D East of North Island, N.Z. (h = N).	"	30	KIR iPKP1 00 31 59.1 UME iPKP1 00 32 09.5 South of Kermadec Islands (h = N).
"	28	UME iPKP1 03 19 00.8 East of North Island, N.Z. (h = N).	"	30	UPP iP 02 10 53.2 KIR iP 02 10 20.1 UME iP 02 10 34.5 Bonin Islands region (h = 45 km).
"	28	UPP iPKP1 05 29 17.9 Kermadec Islands region (h = N).	"	30	UPP iP 10 12 32.3 KIR iP 10 11 36.9 UME iP 10 12 04.0 Fox Islands, Aleution Islands (h = N).

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SEISMOLOGICAL BULLETIN

UPPSALA, KIRUNA, UMEÅ, UDDEHOLM

DELARY and MYRVIKEN

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYV)	62°56.5'N,	14°20.8'E;	h = 345 m

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1985				1985				
Oct.	1	UPP	iSg1	13 34 40.0	Oct.	2	(cont.)	
		KIR	iSg1	13 36 07.7				micr sec
		UME	iSg1	13 35 12.9			P	Z' 0.1 1.0
		UDD	iPn	13 32 27.4		KIR	iP	03 26 47.5 D
			iSn	13 33 24.2		UME	iP	03 27 08.1
			iSg1	13 33 41.0		Kuril Islands region		
		DEL	i	13 34 38.2		(h = 40 km).		
			iSg1	13 34 43.1		"	2	UPP iP 08 00 49.7
		MYV	iPn	13 32 28.0				KIR iP 07 59 55.7
			iSn	13 33 19.4				UME iP 08 00 22.6
			iSg1	13 33 44.2				Fox Islands, Aleutian Islands
		Off coast of southwestern Norway, near 61 1/2°N, 4 1/2°E.						(h = N).
		Origin time = 13 31 15.				"	2	UPP iP 18 02 45.7
		M _L (UPP) = 3.1 (0.14) 4.						Tibet (h = 60 km).
"	1	UPP	iP	16 05 48.1	"	2	UDD iSg1	19 41 31.3
			iS	16 14 54			MYV iSg1	19 41 26.2
				micr sec			Near coast of southern Norway, 61.9°N, 4.9°E.	
		P	Z'	0.2 1.1			Origin time = 19 39 11.	
		Mx	Z	2.6 19			Solution from Bergen bulletin.	
		KIR	iP	16 04 54.3 C		"	2	UPP iP 21 38 56.1 C
				micr sec				micr sec
		P	Z'	0.5 1.1				P Z' 0.1 0.6
		Mx	Z	1.1 18				KIR iP 21 39 05.4 C
		UME	iP	16 05 21.0 C				micr sec
			iS	16 14 06				P Z' 0.2 0.6
		Fox Islands, Aleutian Islands (h = N).						UME iP 21 38 55.0 C
		m = 6.3, M = 5.3 (UPP,KIR).						Hindu Kush region (h = 220 km).
"	1	UME	iPKP1	17 25 10.1				m = 5.7 (UPP,KIR).
		South of Kermadec Islands (h = N).				"	3	UPP iP 15 16 30.6
"	2	UPP	iP	03 27 33.8 D		"	3	UPP iP 18 15 17.5
		(cont.)						(cont.)

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYR = Myrviken

1985				1985						
Oct.	6	UPP	i(PKP)	12 19 22.8	Oct.	9	UPP	iP	13 43 01.5	
			iPKP	12 19 36.0			KIR	iP	13 43 08.3	
			iSKP1	12 22 43.6			UME	iP	13 42 59.0	
		KIR	iPKP	12 19 21.0			Afghanistan-USSR border region (h = 50 km).			
		UME	iPKP	12 19 27.2						
			iSKP1	12 22 27.0						
		Vanuatu Islands (h = 270 km).				"	9	KIR	iP	14 26 06.7
								South of Alaska (h = N).		
"	7	UPP	iP	03 16 29.7	"	9	UPP	iPKP1	21 29 41.5	
			iPP	03 19 07.0			UME	iPKP1	21 29 28.9	
		KIR	iP	03 15 49.2 D			Kermadec Islands (h = 350 km).			
		UME	iP	03 16 06.5 D						
		Honshu, Japan (h = 120 km).								
"	8	UPP	iP	07 26 13.2	"	10	UPP	iP	10 27 40.9	
			ipP	07 26 27.5			KIR	iP	10 28 15.4	
		KIR	iP	07 26 14.5			Southern Iran (h = 45 km).			
			ipP	07 26 28.8						
		UME	iP	07 26 10.4	"	10	KIR	iSn	10 43 30.7	
			ipP	07 26 24.6			East-central Finland, 65.7°N, 29.5°E.			
		Northern Sumatera. h = 50 km (UPP,KIR,UME).					Origin time = 10 41 35. Solution from Finnish station readings.			
"	8	KIR	iP	13 34 11.9	"	10	UPP	iP	23 03 40.8	
		Unimak Island region (h = N).					KIR	iP	23 02 42.1	
"	8	UPP	iP	15 47 41.0			UME	iP	23 03 14.3	
							South of Alaska (h = 35 km).			
"	9	UPP	iP	01 28 12.3	"	11	UPP	iPKP1	19 49 30.3	
			iSKS	01 38 32				i	19 49 34.7	
			iS	01 39 10				i	19 49 39.0	
				micr sec			UME	iPKP1	19 49 18.5	
		P	Z'	0.3 1.0			Kermadec Islands (h = 20 km).			
		KIR	iP	01 28 09.3 C						
				micr sec						
		P	Z'	0.8 1.1	"	12	UPP	iPKP1	02 32 02.5	
		UME	iP	01 28 08.0 C				iSKP1	02 35 32.0	
			iSKS	01 38 27			UME	i(PKP)	02 31 55.3	
			iS	01 39 04				iPKP	02 31 59.6	
		Java (h = 150 km). m = 6.9 (UPP,KIR).					Fiji Islands region (h = 160 km).			
"	9	UPP	iP	09 44 14.9 C	"	12	UPP	iP	09 33 35.5	
			iS	09 52 57			Chagos Archipelago region (h = 10 km).			
				micr sec						
		P	Z'	1.1 1.3	"	12	UPP	iP	12 29 44.1	
		Mx	Z	47 26				i	12 30 06.4	
		KIR	iP	09 43 20.6 C			micr sec			
				micr sec			P	Z'	0.1 1.0	
		P	Z'	4.6 1.9			KIR	iP	12 29 00.5	
		Mx	Z	16 18			UME	iP	12 29 19.8	
		UME	iP	09 43 48.3 C			Hokkaido, Japan region (h = 70 km).			
			iS	09 52 03						
		South of Alaska (h = 30 km). m = 7.0, M = 6.4 (UPP,KIR).			"	12	UPP	iP	18 32 40.3	
							KIR	iP	18 32 33.8	
							(cont.)			

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985						1985	
Oct.	12	(cont.) UME iP	18 32 32.1	Oct.	14	UPP iP	13 01 21.8
		India-China border region (h = 10 km).		"	15	KIR iP	19 56 43.0
"	12	UPP iS	20 52 40			P Z'	0.1 1.0
		KIR iP	20 41 56.3			UME iP	19 57 24.1
		UME iS	20 52 27			i	19 57 39.8
		El Salvador (h = 40 km).				iS	20 01 53
"	12	UPP iP	22 32 04.0			North of Severnaya Zemlya (h = 10 km).	
		iS	22 41 06	"	15	KIR eP	21 17 22
			micr sec			North of Severnaya Zemlya (h = 10 km).	
		P Z'	0.1 1.0	"	15	KIR eP	22 34 36
		KIR iP	22 32 39.5			North of Severnaya Zemlya (h = 10 km).	
			micr sec				
		P Z'	0.2 1.1				
		UME iP	22 32 22.9				
		iS	22 41 42				
"	13	UPP iP	12 18 02.8	"	17	UPP iP	01 55 44.0
		KIR iP	12 18 04.1			UME iP	01 55 24.8
		UME iP	12 17 59.8			South of Honshu, Japan (h = 440 km).	
		Nicobar Islands region (h = 45 km).		"	17	UME iP	08 42 33.7
"	13	UPP iPKP1	14 32 10.2			Svalbard region (h = 10 km).	
		KIR iSKP1	14 34 44.2	"	17	UPP iPKP1	09 14 22.5
		UME iPKP	14 32 07.9			iPKP2	09 14 33.7
		iSKP1	14 34 55.0			UME iPKP1	09 14 11.3
		South of Fiji Islands (h = 490 km).				South of Kermadec Islands (h = N).	
"	13	UPP iP	16 07 05.7	"	17	KIR iP	10 58 03.5
		ipP	16 07 09.7			UME iP	10 58 57.2
		iS	16 12 52			Svalbard region (h = 10 km).	
			micr sec	"	18	UPP iP	01 50 10.8
		pP Z'	0.6 1.5			KIR iP	01 50 08.6
		Mx Z	44 14			UME iP	01 50 11.8
		KIR iP	16 07 12.2			North Atlantic Ocean (h = 10 km).	
		ipP	16 07 17.2				
			micr sec	"	18	UPP iP	03 33 37.2
		P Z'	0.3 1.5			P Z'	0.2 1.0
		pP Z'	1.6 1.9			KIR iP	03 32 58.9 C
		Mx Z	17 10				micr sec
		UME iP	16 07 02.8			P Z'	0.2 1.0
		ipP	16 07 06.8			UME iP	03 33 14.8
		iS	16 12 47			Near west coast of Honshu, Japan (h = 35 km).	
		Tajik SSR. h = 15 km (UPP,KIR,UME). m = 6.3, M = 6.3 (UPP,KIR).				m = 6.2 (UPP,KIR).	
"	13	UDD iSg1	18 09 05.2	"	18	UPP iP	04 29 24.7 C
		South-central Norway, 61.3°N, 5.9°E.				iS	04 37 08
		Origin time = 14 13 04. Solution from Bergen bulletin.					micr sec
"	14	UPP iP	12 26 15.9			P Z'	0.9 0.8
						(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Oct.	18	(cont.)		Oct.	25	UPP	iPdiff 18 25 21.1
		KIR	iP 04 28 39.4 C			KIR	iPdiff 18 25 08.9
			micr sec				micr sec
		P	Z' 1.4 1.0				Pdiff Z' 0.2 1.0
		UME	iP 04 29 01.2 C			UME	iP 18 25 12.4
		Northwest of Kuril Islands				Banda Sea (h = 600 km).	
		(h = 270 km).					
		m = 6.5 (UPP,KIR).		"	25	UPP	iP 20 08 08.6
"	18	UPP	iP 17 06 12.9			Bonin Islands region	
		KIR	iP 17 06 40.6			(h = 20 km).	
		UME	iP 17 06 23.4	"	26	UPP	iP 16 10 17.3 C
		Carlsberg Ridge (h = 10 km).				i	16 10 29.1
"	19	KIR	iPKP1 21 02 34.8				micr sec
		UME	iPKP1 21 02 44.0			P	Z' 0.2 0.9
		East of North Island, N.Z.				South of Alaska (h = N).	
		(h = N).		"	27	UPP	iSg1 04 39 48.0
"	20	UPP	iPKP 21 55 49.9			UDD	iSg1 04 38 46.7
			iPKP1 21 55 52.3			DEL	iSg1 04 39 51.9
		UME	iPKP1 21 55 39.9			MYV	iSg1 04 38 55.0
		Kermadec Islands (h = 260 km).				Off coast of southwestern	
"	22	UPP	iP 11 02 32.3			Norway, near 61.4°N, 4.3°E.	
		Kuril Islands (h = 50 km).				Origin time = 04 36 21.	
"	22	UPP	i(P) 12 50 03.5			M _L (UPP) = 2.8 1.	
"	22	UDD	iSg1 12 58 35.3			By combination with Norwegian	
		Coast of southern Norway,		"	27	UPP	iP 19 13 52.2
		near 58 1/4°N, 6 1/2°E.				KIR	iP 19 12 56.1
		Origin time = 12 56 28.				Alaska Peninsula (h = 80 km).	
		By combination with Norwegian		"	27	UPP	iP 19 40 16.6
		station readings.				iS	19 44 40
"	23	KIR	iPdiff 01 03 22.2				micr sec
			i 01 03 34.9			P	Z' 0.9 2.0
		Timor Sea (h = 15 km).				Mx	Z 22 12
"	23	KIR	eP 17 28 19			KIR	iP 19 41 28.7
		Afghanistan-USSR border					micr sec
		region (h = 70 km).				P	Z' 0.8 2.0
"	25	UPP	iP 02 20 00.6			Mx	Z 9.8 14
			micr sec			UME	eP 19 40 55
		P	Z' 0.2 1.4			iS	19 45 50
		Mx	Z 3.9 22			Algeria (h = 10 km).	
		KIR	iP 02 19 08.4			m = 6.2, M = 5.8 (UPP,KIR).	
			micr sec	"	28	UPP	eP 18 19 50
		P	Z' 0.2 1.0			KIR	eP 18 19 20
		UME	iP 02 19 32.8 C			Bonin Islands region	
		Fox Islands, Aleutian Islands				(h = 30 km).	
		(h = N).		"	29	UPP	iP 13 20 16.8 D
		m = 6.1 (UPP,KIR).				iS	13 25 34
"	25	UPP	eP 02 48 13				micr sec
						P	Z' 0.5 1.1
						Mx	Z 22 14
						(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985 Oct.	29	(cont.)				1985 Oct.	31	(cont.)				
		KIR	iP	13 20	47.4 D			MYV	iSg1	02 56	43.0	
					micr sec			Angermanland, Sweden, 62.8°N, 18.0°E.				
			P	Z'	1.4 1.4			Origin time = 02 55 52.				
			Mx	Z	32 13			M _L (UPP) = 2.6 (0.20) 4.				
		UME	iP	13 20	25.7 D			Felt.				
			iS	13 25	48							
		Iran (h = 55 km).					"	31	UPP	iP	19 43	57.9
		m = 6.5, M = 6.2 (UPP,KIR).									micr sec	
"	29	UPP			micr sec				P	Z'	0.1 1.3	
			Mx	Z	16 29				Mx		9.1 17	
		KIR	ePKP	14 29	21			KIR	iP	19 43	04.7	
					micr sec						micr sec	
			Mx	Z	14 24				P	Z'	0.1 1.2	
		UME	iPKP	14 29	23.2				Mx	Z	2.6 19	
		East Papua New Guinea region						UME	iP	19 43	32.0	
		(h = 10 km).						Fox Islands, Aleutian Islands				
		M = 6.5 (UPP,KIR).						(h = 30 km).				
"	29	KIR	eP	15 15	01		"	31	KIR	iPKP	22 06	52.1
		UME	iP	15 15	10.1				UME	iPKP	22 06	50.0
		Michoacan, Mexico						Santiago del Estero Prov.,				
		(h = 40 km).						Arg. (h = 600 km).				
"	30	KIR	iPn	06 42	34.8		"	31	UME	iP	23 49	01.8
		Jan Mayen Islands region						South of Honshu, Japan				
		(h = 10 km).						(h = N).				
"	30	UPP	iPKP1	08 30	48.8							
		South of Fiji Islands										
		(h = 520 km).										
"	30	UPP	iP	19 16	28.7 C							
					micr sec							
			P	Z'	0.2 1.0							
			Mx	Z	5.3 24							
		KIR	iP	19 15	35.2 C							
					micr sec							
			P	Z'	0.3 1.0							
			Mx	Z	1.1 18							
		UME	iP	19 16	01.5 C							
		Rat Islands, Aleutian Islands										
		(h = N).										
		m = 6.2, M = 5.2 (UPP,KIR).										
"	31	UPP	iPg1	02 56	44.6			May 15, 1987				
			iSg1	02 57	22.7			Conny Holmqvist				
		KIR	iSg1	02 58	28.8			Fekadu Kebede				
		UME	iPg1	02 56	16.9			Klaus Meyer				
			iSg1	02 56	35.3							
		UDD	iPg1	02 56	52.9							
			iSn	02 57	25.3							
			iSg1	02 57	37.6							
		DEL	eSg1	02 59	17							
		MYV	iPg1	02 56	20.4							
		(cont.)										

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S E I S M O L O G I C A L B U L L E T I N

U P P S A L A, K I R U N A, U M E A, U D D E H O L M

D E L A R Y and M Y R V I K E N

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYR)	62°56.5'N,	14°20.8'E;	h = 345 m

N O V E M B E R 1 - 30, 1985

1985				1985				
Nov.	1	UPP eP	02 44 53	Nov.	2	UPP iP	04 50 21.3	
		Burma-India border region				KIR iP	04 49 26.7	
		(h = 40 km).				Alaska Peninsula (h = N).		
"	1	UPP iPKP	08 22 57.6	"	2	UPP iP	09 35 15.7	
		Kermadec Islands region				KIR iP	09 34 54.5	
		(h = 35 km).				Philippine Islands region		
						(h = 30 km).		
"	1	UPP ePKP2	11 55 26	"	3	UPP iP	04 08 23.9	
		Kermadec Islands region				UME iP	04 08 15.7	
		(h = N).						
"	1	UPP iPKP2	15 04 29.7	"	4	UPP iP	21 35 34.6	
		KIR iPKP1	15 03 57.0			ipP	21 35 57.1	
		UME iPKP1	15 04 07.3				micr sec	
		North Island, New Zealand				P	Z' 0.1 0.8	
		(h = 40 km).				KIR iP	21 35 16.8	
"	1	UPP iP	22 15 24.6			UME iP	21 35 22.6	
			micr sec			Mindanao, Philippine Islands		
		P	Z' 0.1 0.8			(h = 80 km).		
		KIR iP	22 14 56.3	"	5	UPP iP	01 37 41.8	
			micr sec			KIR iP	01 36 44.6	
		P	Z' 0.6 1.1				micr sec	
		UME iP	22 15 09.2			P	Z' 0.2 0.8	
		Mariana Islands (h = 80 km).				UME iP	01 37 14.1	
		m = 6.3 (UPP,KIR).				Central Alaska (h = 80 km).		
"	1	UPP iP	22 44 09.5	"	6	UPP iPKP	08 34 19.4	
		KIR iP	22 44 41.4			UME iPKP	08 34 28.6	
		Southern Iran (h = 50 km).				South Sandwich Island region		
						(h = 130 km).		
"	2	UPP iP	02 52 33.8	"	6	UPP iSg1	14 53 41.0	
		Rat Islands, Aleutian Islands				UDD iSg1	14 52 38.0	
		(h = N).				Southern Norway, 59.2°N, 7.1°E.		
						Origin time = 14 50 50.		
						Solution from bergen bulletin.		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYR = Myrviken

1985				1985			
Nov.	6	UPP iP KIR iP Near east coast of Honshu, Japan (h = 60 km).	15 42 23.1 15 41 43.1	Nov.	9	UPP iP KIR iP North western Territories (h = 10 km).	04 56 15.7 04 55 23.0
"	7	UPP iP KIR iP UME iP Turkey (h = N).	08 31 43.7 08 32 28.3 08 32 00.0	"	9	UPP iP KIR iP P Z' 0.3 1.0 Mx Z 3.8 11 UME iP Greece-Bulgaria border region (h = 20 km).	23 35 04.1 23 36 20.9 micr sec 23 35 42.7
"	7	UPP iPKP iPKP1 PKP Z' 0.1 1.2 Mx Z 19 25 KIR iPKP1 UME iPKP1 East of North Island, N.Z. (h = 45 km).	19 32 16.4 19 32 24.6 micr sec 19 32 03.7 19 32 10.5	"	10	UPP iP KIR iP Central Mid-Atlantic ridge (h = 10 km).	12 50 47.3 12 51 20.7
"	7	UPP Mx Z 11 16 KIR iP P Z' 0.2 1.1 Mx Z 4.0 16 West Caroline Islands (h = 35 km). M = 6.2 (UPP,KIR).	micr sec 23 47 42.9 micr sec 0.2 1.1 4.0 16	"	10	UPP iP KIR iP Central Mid-Atlantic ridge (h = 10 km).	12 50 47.3 12 51 20.7
"	8	UPP iPKP1 KIR iPKP UME iPKP1 South of Kermadec Islands (h = N).	14 14 25.6 14 14 05.3 14 14 13.9	"	10	UPP iP UME iP	20 22 53.3 20 22 36.4
"	8	UPP iP P Z' 0.3 1.0 Mx Z 7.2 16 KIR iP P Z' 0.2 1.1 Mx Z 5.4 14 UME iP Bonin Islands region (h = 40 km). m = 6.2, M = 6.1 (UPP,KIR).	18 52 34.6 micr sec 0.3 1.0 7.2 16 18 52 01.5 micr sec 0.2 1.1 5.4 14 18 52 15.9	"	11	UPP iP KIR iP UME iP Afghanistan-USSR border region (h = 220 km).	04 47 38.6 04 47 46.4 04 47 36.6
"	8	UPP iP KIR iP UME iP Bonin Islands region (h = 40 km).	20 14 14.3 20 13 42.0 20 14 56.2	"	11	UPP iP KIR iP UME iP South of Honshu, Japan (h = 75 km).	09 55 28.4 09 54 51.1 09 55 07.1
"	8	UPP iP UME iP Bonin Islands region (h = 30 km).	21 07 38.2 21 07 19.9	"	13	UPP iP KIR iP Rat Islands, Aleutian Islands (h = 140 km).	13 10 19.4 13 09 28.0
"	8	UPP iP UME iP Bonin Islands region (h = 30 km).	21 07 38.2 21 07 19.9	"	13	UPP iSg1 UDD iSg1 Coast of southern Norway, 58.2°N, 6.1°E. Origin time = 14 11 08. M ₁ (UPP) = 2.4 1. Solution from Bergen bulltin.	14 14 20.0 14 13 18.2
"	8	UPP iP UME iP Bonin Islands region (h = 30 km).	21 07 38.2 21 07 19.9	"	14	UPP iP ipP iS P Z' 0.1 0.9 Mx Z 8.7 28 (cont.)	22 28 26.0 22 28 36.0 22 37 18 micr sec 0.1 0.9 8.7 28

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Nov.				Nov.			
14	(cont.)			16	(cont.)		
	KIR	iP	22 28 31.9		KIR		micr sec
		ipP	22 28 42.1			Mx	Z 1.1 18
			micr sec		UME	iS	04 39 23
		P	Z' 0.2 1.0			Mid-Indian Rise (h = 10 km).	
		Mx	Z 1.7 22			M = 5.9 (UPP,KIR).	
	UME	iP	22 27 59.3	"	16	UPP	iP 11 41 30.3
		ipP	22 28 09.4			KIR	iP 11 40 52.4
		iS	22 36 29			UME	iP 11 41 08.4
	South of Alaska.				Near west coast of Honshu,		
	h = 30 km (UPP,KIR,UME).				Japan (h = 310 km).		
	m = 6.0, M = 5.5 (UPP,KIR).						
"	15	UPP	iPKP1 02 07 03.6	"	17	UPP	iP 00 59 06.1
			iPKP2 02 07 08.1			Ryuku Islands (h = 25 km).	
		KIR	iPKP1 02 06 33.7	"	17	UPP	iPKP1 05 42 53.6
		UME	iPKP 02 06 48.2				iPKP2 05 43 03.8
	Kermadec Islands (h = N).					KIR	iPKP1 05 42 34.7
"	15	UPP	iP 02 10 26.2			UME	iPKP1 05 42 44.0
		UME	iP 02 10 11.1		South of Kermadec Islands		
					(h = 120 km).		
"	15	UME	ipP 05 52 04.3	"	17	UPP	iP 07 40 51.5
	El Salvador (h = 90 km).					KIR	iP 07 39 56.5
"	15	UPP	iP 06 05 41.2			UME	iP 07 40 22.0
		KIR	iP 06 04 51.6		Near east coast of Kamchatka		
		UME	iP 06 05 13.6		(h = N).		
"	15	UPP	iP 06 19 35.1	"	17	UPP	iP 09 54 28.0
		KIR	iP 06 20 13.5				i 09 54 44.2
		UME	iP 06 19 49.7				ipP 09 58 55.4
	Southern Iran (h = 15 km).						micr sec
"	15	UPP	iP 12 07 18.8			Mx	Z 163 20
		KIR	iP 12 06 33.6		KIR	iP	09 54 07.6
		UME	iP 12 06 54.1				i 09 54 24.0
	Kuril Islands (h = N).						micr sec
"	15	UPP	iP 17 30 37.1			Mx	Z 51 19
	Pakistan (h = N).				UME	iP	09 54 15.1
"	16	UPP	iP 00 34 45.5				i 09 54 30.8
			micr sec		West Irian region (h = 10 km).		
		P	Z' 0.1 1.0		M = 7.4 (UPP,KIR).		
		KIR	iP 00 33 51.7	"	17	UPP	iPg1 13 46 08.4
			micr sec				iRg 13 46 11.9
		P	Z' 0.1 1.0		Dannemora iron ore mine.		
	UME	iP	00 34 17.9		Rockburst.		
	Rat Islands, Aleutian Islands			"	17	KIR	iSn 18 59 54.4
	(h = N).						iSg1 19 00 07.9
	m = 5.9 (UPP,KIR).				Off coast of northern Norway,		
"	16	UPP	iS 04 39 04		71.9°N, 18.9°E.		
			micr sec		Origin time = 18 58 10.		
		Mx	Z 5.3 18		M _L (UPP) = 2.9 (0.19) 3.		
	(cont.)				By combination with Finnish		
					station readings.		

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Nov.	18	UPP	iP	00 59 06.7	Nov.	21	UPP	iP	23 20 37.6
		KIR	iP	00 58 35.5			KIR	iP	23 22 02.1
		UME	iP	00 58 45.5			UME	iP	23 21 20.4
"	18	UPP	iP	14 25 09.0	"	22	UPP	iP	04 18 22.4
		Afghanistan-USSR border region (h = N).				KIR	iP	04 18 40.8	
		UME	iP	04 18 26.0			UME	iP	04 18 26.0
"	18	UPP	iPKP1	21 18 13.8	"	22	UPP	iP	04 28 25.9
		South of Fiji Islands (h = 330 km).				KIR	iP	04 27 45.7	
"	19	UPP	iP	14 15 03.9	"	22	UPP	iP	04 28 04.2
				micr sec				04 28 04.2	Honshu, Japan (h = 60 km).
		P	Z'	0.1 0.9	"	22	UPP	iP	10 44 44.3
		KIR	iP	14 14 33.8			KIR	iP	10 44 52.7
				micr sec			UME	iP	10 44 42.9
		P	Z'	0.1 1.0			Hindu Kush region (h = 160 km).		
		UME	iP	14 14 45.7	"	22	KIR	iPn	17 57 16.3
		Ryukyu Islands (h = 140 km).					iSn	17 58 57.6	
		m = 5.6 (UPP,KIR).				UME	iSn	18 00 31.9	
"	19	UPP	iP	15 54 29.9	"	22	Svalbard region (h = 10 km).		
		KIR	iP	15 53 55.6	"	22	UPP	iP	22 11 04.1
		UME	iP	15 54 09.4			UME	iP	22 11 50.2
		South of Honshu, Japan (h = 400 km).				Yugoslavia (h = 10 km).			
"	20	UPP	iP	05 25 30.3	"	22	UPP	iP	22 41 55.4
		KIR	iP	05 24 44.7			KIR	iP	22 41 32.0
		UME	iP	05 25 05.5			UME	iP	22 41 39.9
		Kuril Islands region (h = 35 km).				Taiwan region (h = 20 km).			
"	20	UPP	iP	22 14 09.4	"	23	UME	iP	17 37 22.8
			ipP	22 14 23.9			Yugoslavia (h = 10 km).		
		UME	iP	22 13 42.6	"	23	UPP	iP	19 38 32.4
			ipP	22 13 57.0			UME	iP	19 38 47.7
		Andreanof Islands, Aleutian Is. h = 55 km (UPP,UME).				Western Iran (h = 45 km).			
"	21	UPP	iP	02 40 39.0	"	24	KIR	iP	01 25 52.0
"	21	UPP	iP	03 54 40.9			UME	iP	01 25 15.0
		Crete (h = N).				Turkey (h = 25 km).			
"	21	UPP	iP	22 01 25.6	"	24	UPP	iP	07 49 12.3
			iS	22 04 44			UME	iP	07 49 02.9
				micr sec	"	24	UPP	iP	10 53 42.5
		P	Z'	0.2 0.9			Central Mid-Atlantic Ridge (h = 10 km).		
		Mx	Z	21 11	"	24	UPP	iP	12 57 52.4
		KIR	iP	22 02 48.4			KIR	iP	12 59 17.5
				micr sec			UME	iP	12 58 36.5
		P	Z'	0.3 1.3	"	24	Yugoslavia (h = 5 km).		
		Mx	Z	17 11					
		UME	iP	22 02 09.4					
			iS	22 06 08					
		Albania (h = 25 km).							
		m = 5.5, M = 5.8 (UPP,KIR).							

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Nov.	24	UPP ip	12 59 59.2	Nov.	26	(cont.)	
		KIR ip	13 01 21.3			UME ipP	13 35 45.2
		UME ip	13 00 42.4			Southwestern Ryukyu Islands.	
		Yugoslavia (h = 15 km).				h = 30 km (UPP,KIR,UME).	
"	24	UPP ip	13 49 10.9	"	27	UPP ip	00 45 01.3
		KIR ip	13 50 33.8			KIR ip	00 45 42.4
		UME ip	13 49 54.3	"	27	UPP iPKP2	02 21 38.8
		Yugoslavia (h = 15 km).				KIR iPKP1	02 21 08.5
"	25	UPP ip	16 48 03.1			UME iPKP1	02 21 17.9
			micr sec			Off E. coast of N. Island,	
		Mx	Z 1.7 10			N.Z. (h = N).	
		KIR ip	16 49 26.3	"	27	UPP iPKP1	04 36 14.3
		UME ip	16 48 45.8			KIR iPKP	04 36 08.0
		Yugoslavia (h = 15 km).				UME iPKP	04 36 10.4
"	25	UPP ip	18 10 30.4			Fiji Islands region	
		KIR ip	18 10 05.0			(h = 610 km).	
		Southwestern Ryukyu Islands		"	27	UPP iSg1	04 56 33.7
		(h = 10 km).				KIR eSg1	04 58 51
"	26	UPP ip	00 38 59.0			UME iSg1	04 57 38.4
		KIR ip	00 38 35.6			DEL iSg1	04 56 17.7
		Taiwan region (h = 25 km).				MYV iSn	04 55 56.8
"	26	UPP ip	09 08 26.5			iSg1	04 56 14.2
		KIR ip	09 08 02.7			Southwestern Norway, near	
		UME ip	09 08 08.2			59 3/4°N, 6°E.	
		Southwestern Ryukyu Islands				Origin time = 04 53 33.	
		(h = 30 km).				M _L (UPP) = 3.0 1.	
"	26	UPP ip	09 16 44.7			Felt.	
		Arabian Sea (h = 10 km).				By combination with Finnish	
"	26	UPP ip	10 16 59.9			station readings.	
		ipP	10 17 11.3	"	27	UPP ip	12 43 04.1
			micr sec			UME ip	12 43 49.3
		P	Z' 0.2 0.8			Yugoslavia (h = 20 km).	
		Mx	Z 13 17	"	27	UME ip	15 21 34.2
		KIR ip	10 16 33.3			Near coast of Guatemala	
		ipP	10 16 45.5			(h = 75 km).	
			micr sec	"	27	UPP iPKP1	20 55 14.5
		P	Z' 0.2 1.0			UME iPKP1	20 55 02.8
		Mx	Z 1.7 17			Kermadec Islands (h = 210 km).	
		UME ip	10 16 43.4	"	28	UPP ip	00 25 31.3
		ipP	10 16 55.2			KIR ip	00 25 41.3
		Southwestern Ryukyu Islands.				UME ip	00 25 39.3
		h = 40 km (UPP,KIR,UME).				Windward Islands (h = 70 km).	
		m = 6.1, M = 5.9 (UPP,KIR).		"	28	UPP iPKP	02 44 47.1
"	26	UPP ip	13 35 52.6				micr sec
		ipP	13 36 01.7			PKP	Z' 0.2 1.3
		KIR ip	13 35 26.0			Mx	Z 56 21
		ipP	13 35 35.8			KIR iPKP	02 44 33.9
		UME ip	13 35 35.4			(cont.)	
		(cont.)					

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985	
Nov.	28	(cont.)		Nov.	30
			micr sec	UPP	iSg1 19 08 36.5
		PKP	Z' 0.3 1.0	KIR	iSn 19 09 04.8
		Mx	Z 13 18		eSg1 19 09 57
		UME	iPKP 02 44 39.8	DEL	iSg1 19 08 49.8
		Vanuatu Islands (h = N).		MYV	iPg1 19 06 34.8
		M = 7.0 (UPP,KIR).			iSg1 19 07 37.2
"	28	UPP	ePKP 04 08 47	Off coast of southwestern Norway, near 61 3/4°N, 4 1/2°E.	
			i 04 09 04.0	Origin time = 19 05 10.	
			iSKP1 04 12 28.1	M ₁ (UPP) = 3.0 (0.18) 2.	
			micr sec	Felt.	
			i Z' 0.2 1.1	"	30
			Mx Z 36 21	UPP	iP 21 00 57.6
		KIR	iPKP 04 08 45.0	KIR	iP 21 00 23.7
			i 04 08 48.0	South of Honshu, Japan (h = 390 km).	
			micr sec		
			i Z' 0.3 0.9		
			Mx Z 13 17		
		UME	iPKP 04 08 51.0		
		Vanuatu Islands (h = N).			
		M = 6.9 (UPP,KIR).			
"	28	KIR	iPKP 06 56 37.7		
		UME	iPKP 06 56 44.1		
		Vanuatu Islands (h = N).			
"	28	UPP	iP 13 53 16.4		
		KIR	iP 13 53 08.1		
		UME	iP 13 53 08.3		
		Burma (h = 10 km).			
"	28	KIR	iP 17 52 37.3		
		UME	iP 17 52 13.6		
		Lake Tanganyika region (h = 10 km).			
"	28	KIR	iP 17 53 34.2		
		UME	iP 17 53 49.9		
		Off east coast of Honshu, Japan (h = N).			
"	29	UPP	iP 04 47 46.1	June 12, 1987	
		KIR	iP 04 47 53.2	Ronald Arvidsson	
		Afghanistan-USSR border region (h = 60 km).		Conny Holmqvist	
"	30	UPP	iPKP1 04 40 40.2	Klaus Meyer	
		KIR	iPKP 04 40 31.4	Jun Myung-Soon	
		UME	iPKP 04 40 41.8		
		Fiji Islands region (h = 630 km).			
"	30	UPP	iP 15 32 51.3		
		KIR	iP 15 32 14.8		
		Southern Honshu, Japan (h = 330 km).			

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SEISMOLOGICAL BULLETIN
 UPPSALA, KIRUNA, UMEÅ, UDDEHOLM
 DELARY and MYRVIKEN

Uppsala	(UPP)	59°51.5'N,	17°37.6'E;	h = 14 m
Kiruna	(KIR)	67°50.4'N,	20°25.0'E;	h = 390 m
Umeå	(UME)	63°48.9'N,	20°14.2'E;	h = 16 m
Uddeholm	(UDD)	60°05.4'N,	13°36.4'E;	h = 240 m
Delary	(DEL)	56°28.2'N,	12°52.2'E;	h = 150 m
Myrviken	(MYV)	62°56.5'N,	14°20.8'E;	h = 345 m

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1985					1985					
Dec.	1	UPP	iP	01 48 01.5	Dec.	3	UPP	iP	00 23 45.1 D	
				Andreanof Islands, Aleutian			i		00 23 46.8	
				Is. (h = N).			iPP		00 26 59.7	
									micr sec	
"	1	UME	iPKP1	18 08 34.1			i	Z'	0.5 0.6	
				South of Kermadec Islands		KIR	iP		00 23 13.9 D	
				(h = N).			i		00 23 14.6	
									micr sec	
"	1	KIR	iPKP	20 24 01.2			i	Z'	1.0 1.0	
		UME	ePKP	20 24 10		UME	iP		00 23 27.5 D	
				Vanuatu Islands (h = N).			i		00 23 28.3	
							iS		00 32 44.1	
"	1	KIR	iP	20 38 54.0					Bonin Islands region	
		UME	iP	20 39 33.1					(h = 430 km).	
				Iran (h = N).					m = 6.4 (UPP,KIR).	
"	2	UPP	eP	00 54 47	"	3	KIR	iP	11 02 51.2 C	
		KIR	iP	00 54 36.1					Northern Sumatera (h = 60 km).	
				Eastern China (h = N).		"	3	KIR	iP	18 04 43.3
"	2	UPP	iP	01 15 19.4					Northern Colombia (h = 160 km).	
		KIR	iP	01 14 49.9		"	3	UPP	iP	18 17 40.6
		UME	iP	01 15 01.5					Dodecanese Islands (h = 150 km).	
				Ryukyu Islands (h = 35 km).		"	5	UPP	iP	11 46 48.9
"	2	UPP	iP	01 22 46.9			KIR	iP	11 46 26.7 C	
		UME	iP	01 22 26.1			UME	iP	11 46 34.4	
				South of Honshu, Japan					Taiwan region (h = 130 km).	
				(h = 20 km).		"	5	UPP	iP	15 11 48.3 C
"	2	UME	iPKP1	15 42 09.0					micr sec	
				South of Kermadec Islands			P	Z'	0.3 1.3	
				(h = N).		KIR	iP		15 11 15.1 C	
"	2	UME	iPKP1	19 49 48.8					micr sec	
				South of Kermadec Islands			P	Z'	0.2 1.3	
				(h = N).					(cont.)	

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Dec.	5	(cont.) UME iP	15 11 34.5 C	Dec.	8	KIR eP UME iP Unimak Island region (h = N).	15 49 05 15 49 32.7
		Southern Nevada. m = 6.2 (UPP,KIR). Underground explosion.		"	8	UME eP Yugoslavia (h = 20 km).	17 41 35
"	5	UPP iPKP1 KIR iPKP	18 45 52.6 18 45 47.0	"	8	UME iP Yugoslavia (h = 10 km).	19 35 47.0
		Fiji Islands region (h = 570 km).		"	8	UPP iP UME iP	23 18 40.0 23 18 37.6 C
"	6	UPP iPKP KIR iPKP UME iPKP	02 26 21.3 02 26 36.6 02 26 29.6			Afghanistan-USSR border region (h = N).	
		South Sandwich Islands (h = N).		"	9	UPP iP KIR eP	12 11 28.8 12 11 26
"	6	KIR iP UME iP	07 12 15.5 07 12 05.6			Sunda Strait (h = 150 km).	
		Hindu Kush region (h = 190 km).		"	9	UME iP Near s. coast of Honshu, Japan (h = 350 km).	23 07 02.0
"	6	UPP iP KIR iP	12 44 04.6 12 43 13.5	"	10	UPP iPKP1 iPKP2 KIR iPKP1 UME iPKP1	02 10 05.1 02 10 09.6 02 09 48.0 02 09 53.4
		Kuril Islands region (h = 40 km).				Kermadec Islands region (h = 370 km).	
"	6	UPP iP KIR iP UME iP	20 50 04.6 20 49 20.4 20 49 38.7	"	10	UPP iPKP1 iPKP2 UME iPKP1	04 44 35.7 04 44 39.7 04 44 23.6
		Hokkaido, Japan region (h = 160 km).				Kermadec Islands (h = N).	
"	6	KIR iP	22 41 51.9	"	10	UPP iP	08 17 02.9
		Dodecanese Islands (h = 10 km).				Hindu Kush region (h = N).	
"	7	KIR iP UME iP	01 53 50.0 01 54 33.5	"	10	UPP iP	11 31 42.1 D
		Greenland Sea (h = 10 km).				micr sec P Z' 0.1 0.9	
"	7	UME iP	11 00 31.1	"		KIR iP UME iP	11 30 56.0 D 11 31 16.1 D
		Bonin Islands region (h = N).				Kuril Islands (h = 120 km).	
"	8	UPP iP KIR iP UME iP	13 44 17.6 13 44 12.5 13 44 09.5	"	11	UPP iP KIR iP	09 38 04.2 09 39 31.8
		Tibet (h = 35 km).		"	11	UPP iP UME iP	10 40 34.4 10 40 16.4
"	8	UPP iP KIR iP UME iP	13 45 51.4 13 45 48.0 13 45 43.6			Bonin Islands region (h = 500 km).	
		Tibet (h = N).		"	11	UPP iP UME iP	19 19 39.5 18 19 33.9
"	8	UPP iP KIR iP UME iP	14 33 50.6 14 33 46.9 14 33 43.1			Northwestern Kashmir (h = N).	
		Tibet (h = N).					

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1985				1985			
Dec.	11	UPP iP	20 04 47.6	Dec.	15	UPP eP	11 54 49
		KIR iP	20 03 54.3			Tibet (h = N).	
		UME iP	20 04 19.6		"	15	KIR ePKP 20 42 20
		Off east coast of Kamchatka (h = N).					UME iPKP 20 42 28.1
							Vanuatu Islands (h = 220 km).
"	11	UPP iPKP1	20 51 54.6	"	15	UME iP	21 38 27.6
		South of Fiji Islands (h = 170 km).				Honshu, Japan (h = 35 km).	
"	12	UPP iP	07 37 43.7	"	16	UPP iP	02 57 18.5
		Kyushu, Japan (h = 180 km).				iS	03 07 59
"	13	UME iP	07 22 41.3			Mx Z	5.4 20
		Guatemala (h = 110 km).				KIR iP	02 57 11.8 D
"	13	UPP iP	15 35 26.8			P Z'	0.3 1.5
			micr sec			UME iP	02 57 18.1
		P Z'	0.1 0.8			Nicaragua (h = 20 km).	
		KIR iP	15 36 37.7	"	16	UPP iPKP	08 23 12.2
			micr sec			Mx Z	16 20
		P Z'	0.1 0.9			UME iPKP	08 23 02.8
		UME iP	15 36 03.5			Vanuatu Islands (h = N).	
		Southern Greece (h = 40 km).					
		m = 5.5 (UPP,KIR).					
"	14	UPP iPKP1	04 21 45.8	"	16	UPP iPKP1	16 16 29.1
		UME iPKP1	04 21 35.5			UME iPKP1	16 16 17.1
		i	04 21 56.0			Kermadec Islands region (h = N).	
		South of Kermadec Islands (h = N).		"	16	UPP ePKP1	17 16 15
"	14	UPP iP	06 59 39.1			KIR iPKP1	17 16 12.0
		i	06 59 45.1			UME iPKP1	17 16 12.0
		iS	07 10 49			South of Australia (h = 10 km).	
			micr sec	"	16	UPP iP	22 57 18.3
		Mx Z	5.7 17			Eastern Mediterranean Sea (h = 30 km).	
		KIR iP	06 59 21.9	"	17	UPP iP	07 03 10.0
			micr sec			KIR eP	07 03 29
		P Z'	0.2 1.0			UME eP	07 03 18
		UME iP	06 59 28.1			Pakistan (h = N).	
		Talaud Islands (h = 20 km).		"	17	KIR eP	15 01 01
"	14	UPP iP	18 22 55.8 C			Talaud Islands (h = N).	
			micr sec	"	17	UPP iPKP1	22 00 41.0
		Mx	2.3 21			UME i(PKP)	22 00 27.7
		KIR iP	18 23 28.0 C			iPKP	22 00 33.2
			micr sec			iSKP1	22 03 54.4
		P Z'	0.2 1.0			Fiji Islands region (h = 200 km).	
		UME iP	18 23 07.6 C	"	17	UPP iP	05 50 47.4
		Arabian Sea (h = 10 km).				(cont.)	
"	14	UME iP	21 16 11.1	"	18	UPP iP	05 50 47.4
		i	21 16 17.5			(cont.)	
		Dominican Republic region (h = N).					
"	15	UPP iP	06 40 15.3				
		UME iP	06 40 12.3				
		Afghanistan-USSR border region (h = N).					

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1985				1985			
Dec.				Dec.			
18	(cont.)			20	(cont.)		
	UPP	iS	05 54 52				Origin time = 18 28 24.
			micr sec				$M_L(UPP) = 1.9$
		P	Z' 0.2 1.3				By combination with Finnish
		Mx	Z 4.0 10				station readings.
	KIR	iP	05 51 59.3	"	21	KIR	iPKP 00 33 11.6
			micr sec			UME	iPKP 00 33 18.1
		P	Z' 0.1 1.1				Vanuatu Islands (h = N).
	UME	iP	05 51 23.1	"	21	UPP	i(PKP) 01 32 19.3
		i	05 51 26.1				iPKP 01 32 23.7
		iS	05 55 50				i 01 32 29.1
			Turkey (h = 20 km).				iSKP1 01 35 50.9
			m = 5.4 (UPP,KIR).				micr sec
"	18	UME	iP 06 10 08.1			Mx	Z 154 21
"	18	UME	iP 06 12 27.2			KIR	iPKP 01 32 10.1
			North Atlantic Ocean				i 01 32 15.2
			(h = 10 km).				micr sec
"	18	UME	iP 08 08 48.8			Mx	Z 24 21
			North Atlantic Ocean			UME	e(PKP) 01 32 08
			(h = 10 km).				iPKP 01 32 17.2
"	19	KIR	iP 00 54 38.3				i 01 32 21.4
		UME	iP 00 54 32.0				iPP 01 34 09.8
			Southern Xinjiang, China				Vanuatu Islands (h = 45 km).
			(h = N).				M = 7.3 (UPP,KIR).
"	19	KIR	iP 01 58 09.6	"	21	UME	iP 01 54 31.3
		UME	iP 01 58 04.0				Yugoslavia (h = 10 km).
			Southern Xinjiang, China	"	21	KIR	iPKP 02 25 18.8
			(h = N).			UME	iPKP 02 25 25.1
"	19	UPP	iP 12 13 44.7				Vanuatu Islands (h = N).
		UME	iP 12 13 32.2 C	"	21	KIR	iPKP 02 25 50.1
"	19	UPP	iP 15 52 20.4			UME	iPKP 02 25 56.4
		KIR	iP 15 52 06.0	"	21	UPP	iPKP 03 05 36.9
		i	15 52 08.9				iSKP 03 09 05.1
		UME	iP 15 52 10.1			KIR	iPKP 03 05 22.9
			Minahassa Peninsula			UME	iPKP 03 05 29.2
			(h = 160 km).				iSKP 03 08 56.9
"	19	UME	iP 21 12 46.9				Vanuatu Islands (h = N).
"	20	UME	iPdiff 04 03 27.7	"	21	UPP	iP 05 11 02.6
			West Irian (h = 45 km).			KIR	eP 05 11 57
"	20	KIR	eP 11 52 32				Turkey (h = N).
		UME	iP 11 52 29.1	"	21	KIR	iPKP 10 02 55.8
			Andaman Islands region			UME	iPKP 10 03 02.0
			(h = 60 km).				Vanuatu Islands (h = N).
"	20	UME	iPg1 18 28 39.3	"	21	UPP	eP 10 18 51
		iSg1	18 28 50.6			UME	eP 10 19 36
			Västerbotten, Sweden, 64.6°N,				Germany (h = 10 km).
			21.3°E.	"	21	KIR	iPKP 10 20 47.6
			(cont.)				i 10 20 53.7
						UME	iPKP 10 20 54.8
							Vanuatu Islands (h = N).

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985					
Dec.	21	KIR	iP	10 22 06.4	Dec.	22	UME	iP	22 22 53.9
				micr sec					Andreanof Islands, Aleutian Is.
				Z' 0.1 1.0					(h = 160 km).
		UME	iP	10 22 15.7	"	22	KIR	iPKP	22 39 15.6
				Southwestern Ryukyu Islands			UME	i(PKP)	22 39 16.2
				(h = 55 km).				iPKP	22 39 23.1
"	21	KIR	iPKP	11 28 42.6					Fiji Islands region
		UME	iPKP	11 28 48.1					(h = 640 km).
				Vanuatu Islands (h = N).	"	23	UPP	iP	00 12 15.8
"	21	UME	iPKP	14 59 27.9				iPcP	00 12 42.6
			i	14 59 35.9			KIR	iP	00 11 27.6 C
				Vanuatu Islands (h = N).			UME	iP	00 11 49.6 C
"	21	UME	iP	19 06 15.8					Kuril Islands (h = N).
				Southeast of Shikoku, Japan	"	23	UPP	iP	05 25 34.4 C
				(h = 55 km).				i	05 25 37.0
"	21	KIR	iP	21 49 40.2				iS	05 33 15
		UME	iP	21 50 00.1					micr sec
				Off coast of Hokkaido, Japan				i	Z' 0.8 1.0
				(h = 35 km).				Mx	Z 80 20
"	22	KIR	iP	02 10 07.6			KIR	iP	05 24 41.9 C
		UME	iP	02 09 56.6				i	05 24 45.0
				Hindu Kush region					micr sec
				(h = 50 km).				i	Z' 3.4 1.5
"	22	UPP	iPKP1	03 28 30.3			UME	iP	05 25 09.9 C
		UME	iPKP1	03 28 14.1				i	05 25 13.1
				Kermadec Islands (h = N).					Northwest Territories, Canada
"	22	KIR	iP	10 31 08.8					(h = 5 km).
		UME	iP	10 31 27.8					m = 6.9 (UPP,KIR).
				Hokkaido, Japan region	"	23	UPP	iP	05 58 18.4
				(h = 220 km).			KIR	iP	05 57 26.0
"	22	UME	iPKP1	12 10 09.6					micr sec
				South of Kermadec Islands					P Z' 0.2 1.0
				(h = N).			UME	iP	05 57 54.2
"	22	UME	iP	21 01 59.9 D					Northwest Territories, Canada
				Kuril Islands (h = 110 km).					(h = 10 km).
"	22	UME	iPKP1	21 38 38.1	"	23	UPP	i(P)	06 16 09.9
				Kermadec Islands region					
				(h = N).	"	23	UPP	iP	09 47 15.0
"	22	UME	iP	21 40 30.1			KIR	eP	09 46 23
				Vanuatu Islands (h = 220 km).			UME	eP	09 46 52
"	22	UPP	ipP	21 45 46.7					Northwest Territories, Canada
		UME	iP	21 45 29.7					(h = 10 km).
			i	21 45 43.2	"	23	UPP	iP	18 04 09.2
				Burma-India border region			KIR	iP	18 04 18.3
				(h = 50 km).			UME	iP	18 04 07.1 C
"	22	UPP	ipP	21 45 46.7					Aghanistan-USSR border region
		UME	iP	21 45 29.7					(h = 120 km).
			i	21 45 43.2	"	23	KIR	iPKP	18 33 58.2
				Burma-India border region			UME	iPKP	18 34 03.7
				(h = 50 km).					Vanuatu Islands (h = 40 km).

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1985				1985					
Dec.	23	UPP	iP	19 47 26.7 C	Dec.	24	KIR	iP	15 15 08.9
			P	micr sec			UME	iP	15 15 13.7
			Z'	0.1 0.9			Talaud Islands (h = 60 km).		
		KIR	iP	19 46 33.9 C	"	24	UME	iP	16 39 46.8
			P	micr sec			Iceland region (h = 10 km).		
			Z'	0.2 1.0	"	25	KIR	iPKP	03 20 35.7
		UME	iP	19 47 02.1			UME	iPKP	03 20 40.3
		Northwest Territories, Canada (h = 10 km).						i	03 20 59.6
"	23	UPP	iP	20 14 11.3			Tonga Islands region (h = 70 km).		
		KIR	iP	20 15 17.1	"	25	UPP	iPKP1	04 22 35.4
			P	micr sec			UME	iSKP1	04 25 19.6
			Z'	0.1 1.0			South of Fiji Islands (h = 500 km).		
		UME	iP	20 14 41.7	"	25	UPP	iP	04 56 29.8
			i	20 14 43.1			KIR	eP	04 56 22
		Dodecanese Islands (h = 15 km).					UME	iP	04 56 20.4
"	23	UPP	iP	23 33 26.2	"	25	Tibet (h = N).		
		KIR	iP	23 32 33.4	"	25	KIR	iP	08 53 48.3
		Northwest Territories, Canada (h = 10 km).					UME	iP	08 53 37.8
"	24	UPP	iS	00 08 30.8			Hindu Kush region (h = 210 km).		
			i	00 08 43.7	"	25	UME	iP	14 34 30.4
		Germany (h = 10 km).					Yugoslavia (h = 10 km).		
"	24	UPP	iPdiff	04 23 25.3	"	25	UPP	iP	15 52 13.9 C
			Mx	micr sec				P	Z' 0.2 1.0
			Z	2.4 18			KIR	iP	15 51 21.3 C
		UME	iPdiff	04 23 37.6				P	Z' 0.5 1.1
		South Indian Ocean (h = 10 km).					UME	iP	15 51 49.4 C
"	24	KIR	iP	04 24 46.1			Northwest Territories, Canada (h = 10 km).		
		Central Mid-Atlantic Ridge (h = 10 km).					m = 6.2 (UPP,KIR).		
"	24	KIR	iPKP	04 56 22.6	"	25	UPP	iP	18 58 33.9
		UME	iPKP	04 56 27.8			KIR	iP	18 57 41.7
		Vanuatu Islands (h = N).						P	Z' 0.2 1.0
"	24	KIR	iP	07 50 24.4			UME	iP	18 58 10.2
		UME	iP	07 50 52.4			Northwest Territories, Canada (h = 10 km).		
		Northwest Territories, Canada (h = 10 km).			"	25	UPP	iPKP1	22 33 38.5
"	24	UPP	iP	10 56 11.1				iSPK1	22 36 38.3
		KIR	iP	10 55 38.9			KIR	iPKP	22 33 31.5
		UME	iP	10 55 57.0 C				iSKP1	22 36 15.5
		Iceland region (h = 10 km).					UME	i(PKP)	22 33 26.7
"	24	UPP	iP	14 54 36.9				iPKP	22 33 38.3
		UME	iP	14 54 20.5 C			(cont.)		
		Taiwan region (h = 45 km).							

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1985		1985	
Dec.	25	(cont.) UME iSKP1 22 36 26.8 Fiji Islands region (h = 460 km).	Dec. 27 UME iP 13 06 38.5 South of Honshu, Japan (h = N).
"	26	UME eP 02 39 39 Sicily (h = 10 km).	" 27 UPP iP 13 08 18.5 KIR eP 13 08 03 UME iP 13 08 05.8 Luzon, Philippine Islands (h = 55 km).
"	26	UME iP 05 18 56.6 South of Honshu, Japan (h = 60 km).	" 27 UME iP 14 47 55.4 Volcano Islands region (h = 80 km).
"	26	UME iP 17 20 52.9 South of Honshu, Japan (h = 90 km).	" 27 UME iP 20 22 30.0 i 20 22 41.3 Off east coast of Honshu, Japan (h = N).
"	26	UPP iP 18 14 28.8 C KIR iP 18 14 22.7 UME iP 18 14 21.0 India-China border region (h = 15 km).	" 28 UPP iP 04 48 04.9 P Z' 0.3 1.6 UME iP 04 48 08.3 North Atlantic Ocean (h = 10 km).
"	26	UME iP 20 54 07.2 Iceland region (h = 10 km).	" 28 UPP iP 04 49 28.0 i 04 49 39.9 UME ipP 04 49 16.9 Andreanof Islands, Aleutian Is. (h = 50 km).
"	26	UPP iP 23 08 56.0 KIR iP 23 08 03.2 UME eP 23 08 31 Northwest Territories, Canada (h = 10 km).	" 28 UME iP 05 13 31.5 Minahassa Peninsula (h = 140 km).
"	27	UPP iP KP2 04 07 28.5 UME iP KP1 04 07 11.4 South of Kermadec Islands (h = N).	" 28 UME iP 07 07 42.9 South of Honshu, Japan (h = N).
"	27	UPP iP 05 52 06.6 iS 06 03 08 P Z' 0.1 0.9 Mx Z 29 21 KIR iP 05 52 04.8 D P Z' 1.2 2.0 UME iP 05 52 03.6 iS 06 03 02 Southern Sumatera (h = 25 km). m = 6.6 (UPP, KIR).	" 28 UPP iP 07 55 05.1 C UME iP 07 54 38.4 C Alaska Peninsula (h = 60 km).
"	27	UME iP 08 16 04.5 Bonin Islands region (h = 480 km).	" 28 UME ipKP 10 47 19.8 Solomon Islands (h = 50 km).
"	27	UPP iP 09 52 51.4 UME iP 09 53 34.1 Yugoslavia (h = 10 km).	" 28 UPP Mx Z 12 22 KIR ipKP 15 59 54.3 UME ipKP 15 59 58.0 Vanuatu Islands (h = 35 km).
"	27	UPP iP 09 52 51.4 UME iP 09 53 34.1 Yugoslavia (h = 10 km).	" 28 UME ePKP 17 43 13 Vanuatu Islands (h = N).

UPP = Uppsala, KIR = Kiruna, UME = Umeå, UDD = Uddeholm, DEL = Delary, MYV = Myrviken

1985				1985			
Dec.	28	UPP iP	19 12 49.2	Dec.	30	(cont.)	
		UME iP	19 12 33.9			KIR iP	12 49 56.5
		Southern Nevada.				i	12 50 09.9
		Underground explosion.				UME iP	12 50 26.1
"	28	UME iP	23 21 41.7	"	30	Southern Alaska (h = 60 km).	
		Near s. coast of Honshu,				KIR iP	19 03 47.3
		Japan (h = 350 km).				UME iP	19 04 18.0
"	28	UPP iP	23 24 07.0	"	30	Northwest Territories, Canada	
			micr sec			(h = 10 km).	
		P	Z' 0.1 0.6	"	30	UPP iP	20 23 00.0
		Mx	Z 8.5 18			KIR iP	20 22 02.8
		UME iP	23 24 02.8			UME iP	20 22 32.5
		i	23 24 07.3			Central Alaska (h = N).	
		Southern Sumatera (h = N).		"	31	KIR iP	02 56 44.9
"	29	UME iP	03 33 31.8			UME iP	02 57 00.5
		Mona Passage (h = 130 km).				South of Honshu, Japan	
"	29	UPP eP	06 52 28	"	31	(h = N).	
		UME eP	06 52 23			UPP iSn	07 03 45.9
		Southern Sumatera (h = N).					micr sec
"	29	UME e(PKP)	08 13 20			Mx	Z 3.1 18
		iPKP	08 13 24.6			KIR iPn	06 59 00.7
		Vanuatu Islands (h = N).				iSn	07 00 15.1
"	29	UPP iPKP1	17 46 29.5			UME iPn	06 59 48.3
		UME iPKP1	17 46 18.3 C			iSn	07 01 42.7
		Kermadec Islands region		"	31	Greenland Sea (h = 10 km).	
		(h = N).				KIR iPn	07 11 51.3
"	29	UPP eP	20 59 25			iSn	07 13 11.9
		UME iP	20 59 00.3			UME iPn	07 12 37.3
		Sakhalin Island (h = N).				iSn	07 14 28.6
"	29	UPP iSn	21 44 17.7	"	31	Greenland Sea (h = 10 km).	
		KIR iPn	21 39 42.5			UME iPn	08 31 38.2
		iSn	21 41 12.1			Greenland Sea, 73.8°N, 9°E.	
		UME iPn	21 40 30.5			Origin time = 08 29 12.	
		iSn	21 42 20.7			Solution from Finnish station	
		Greenland Sea (h = 10 km).				readings.	
"	29	UME iP	22 10 52.8	"	31	KIR ePn	09 32 24
		Minahassa Peninsula				UME iPn	09 33 04.7
		(h = 40 km).				Greenland Sea, 73.6°N, 9.1°E.	
"	30	UPP ePKP	11 31 49			Origin time = 09 30 37.	
		KIR iPKP	11 31 33.3			Solution from Finnish station	
		UME iPKP	11 31 37.7			readings.	
		New Britain region		"	31	UPP iP	09 52 10.5
		(h = 110 km).				KIR eP	09 52 08
"	30	UPP iP	12 50 52.6			UME iP	09 52 03.8
			micr sec			Southern Sumatera (h = N).	
		P	Z' 0.1 1.0	"	31	UDD iSg1	13 39 02.1
		(cont.)				Coast of southern Norway,	
						58.2°N, 6.0°E.	
						(cont.)	

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1985

Dec. 31 (cont.)
 Origin time = 13 36 54.
 Solution from Bergen
 bulletin.

" 31 UME i(PKP) 14 23 47.0
 iPKP 14 23 57.9
 Tonga Islands (h = 15 km).

" 31 UPP eP 19 49 17
 UME eP 19 49 43
 Arab Republic of Egypt
 (h = 10 km).

June 18, 1987

Ingrid Båth
 Conny Holmqvist
 Klaus Meyer