

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR JANUARY 1971

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
3	iSSE	18 10 04		-	110°	H 17 35 40
	ME	18 23	40	80		(USCGS)
	ME	18 38	16	14		
	ME	18 44	20	20		
	MN	18 53	19	22		
3	ePZ	23 24 36			28°	H 23 18 43
	iSE	29 26		-		(BCIS)
8	iPZ	14 57 17		-	76°	H 14 45 29
	ME	15 45	12			(USCGS)
10	iPKPZ	07 36 16		-	120°	H 07 17 04
	iPPZ	37 29		+		(USCGS)
	MZ	08 27	25			
	MZ	08 30	20			
	MZ	09 27	20			
	ME	09 27		58		
19	ME	04 03			80°	H 03 16 54 (USCGS)
20	iPZ	04 56 45		-	76°	H 04 45 00 (USCGS)
25	iPKPZ	00 37 34		+	130°	H 00 18 26 (USCGS)
25	ME	17 00			74°	H 16 08 15 (USCGS)
27	iPZ	16 10 24		-	21°	H 16 05 40 (BCIS)
28	iPKPZ	06 46 59		-	143°	H 06 29 01
	ipPKPZ	49 38		-		.09 deep (USCGS)
29	iPZ	22 08 32		+	71°	H 21 58 05
	iPcPZ	08 35		+		.09 deep
	ipPZ	10 30		+		(USCGS)
	iPPZ	11 23		-		
	iSE	17 07		-		
	iSSE	17 25		-		

refid = 16805

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR FEBRUARY, 1971

Instruments:- Wilson Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1 magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iFN	05 30 59	15	+	74°	H 05 19 23 (USCGS)
	iSN	40 26		-		
	ME	06 11		-		
1	iPKPZ	06 34 38		-	151°	H 06 14 50 (USCGS)
4	iPZ	15 46 51	40	-	96°	H 15 33 29 (USCGS)
	iPcPZ	47 00		-		
	iPPZ	50 18		-		
	iSKSE	57 23		+		
	iSE	57 59		-		
	iSPZ	59 16		+		
	iPSE	59 16		+		
	iSSE	16 04 41		-		
	MN	16 23	230			
5	ME	08 08	20	3	65°	H 07 33 29 (USCGS)
6	iPZ	10 54 49		+	77°	H 10 43 05 (USCGS)
7	iPZ	02 41 10		+	73°	H 02 29 28 (USCGS)
	iSE	50 43		-		
	iSKSN	51 34		-		
	iSSE	55 33		+		
	ME	03 09				
	ME	03 15				
	ME	03 22				
ME	03 43					
8	iPPZ	21 25 07	30	-	127°	H 21 04 22 (USCGS)
	iXE	33 30		-		
	iPSE	35 17		+		
	iSSE	41 24		-		
	ME	21 58		40		
	ME	22 17		35		
	MN	22 21		17		
MN	22 43	20	12			
9	iPZ	14 12 29	20	-	76°	H 14 00 42 (USCGS)
	iSN	22 15		+		
	iSSE	27 02		+		
	ME	14 46		47		
	ME	14 49		57		
	MN	14 50		42		

Sheet 2 February, 1971

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
21	iPZ	10 48 31	10	-	97°	H 10 35 20 .02 deep (USCGS)
	iXZ	48 33		-		
	iSKSE	58 49		+		
	iSN	59 29		-		
	iSSE	11 00 57		+		
	iXN	04 17		+		
	iSSE	06 41	+			
22	iPZ	14 33 31		-	28°	H 14 27 44 (BCIS)
	ME	14 47				
23	iPZ	19 46 43	10	+	25°	H 19 41 21 (BCIS)
	iSE	51 11		+		
	ME	19 56		5		
25	iPZ	19 40 11		-	82°	H 19 27 53 (USCGS)
	ME	20 24				
25	ePZ	22 27 24			92°	H 22 14 13 (USCGS)
26	iPE	12 00 36		+	27°	H 11 54 41 (BCIS)
	iSE	05 15		+		
27	iPKPZ	05 03 13		-	145°	H 04 44 30 .08 deep (USCGS)
27	iPKPZ	13 45 23		-	147°	H 13 26 27 .06 deep (USCGS)

7th September, 1971

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR MARCH 1971

Instruments:- Wilson-Lamson seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
3	ME	15 34	15		80°	H 14 46 31 (USCGS)
3	iPZ eSE	22 05 36 15 13		+	75°	H 21 54 09 (USCGS)
4	iSE isSE isSE	00 50 43 52 48 56 50		- + +	89°	H 00 28 36 .06 deep (USCGS)
9	iPZ eSE isSE ME	05 03 32 07 31 08 09 05 12		- + +	22°	H 04 58 42 (BCIS)
13	iPKPZ	19 31 12		-	125°	H 19 12 25 .02 deep (USCGS)
13	iPZ iSE eSKSE ME	24 02 23 11 25 12 22 24 31	18	- - 14	66°	H 23 51 35 (USCGS)
16	eSKKSE eSSE ME	13 01 30 12 08 13 39	24		134°.5	H 12 32 31 (USCGS)
16	eSKSE iSE eSSE ME	20 59 53 21 01 07 08 11 21 33	24		104°	H 20 35 19 (USCGS)
18	iPKPZ	05 39 40		-	146°	H 05 20 04 (USCGS)
20	iPE iSE ME	07 54 40 08 02 46 08 15	20	+	57°	H 07 45 05 (USCGS)
22	iPZ	04 41 27		-	48°	H 04 33 00 (BCIS)

March, 1971, sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
23	iPZ iSE iSSZ iXE ME ME MZ ME MZ	09 30 15 33 24 33 31 35 18 09 36 09 38 09 38 09 41 09 41		- - - - 18 10 10 11 11	16°	H 09 26 24 (BCIS)
23	iPZ	10 01 25		+	52°.5	H 09 52 05 (BCIS)
23	iPZ isSE iXE ME	20 56 32 21 08 10 15 10 21 22	11	- - - 10	52°.5	H 20 47 10 (BCIS)
24	iPKPZ iPKPZ	02 45 09 45 24		+	126°	H 02 26 15 .01 deep (USCGS)
24	iPZ iSN	05 16 13 20 09		+	23°	H 05 11 11 (BCIS)
24	iPZ iSE ME	14 05 13 14 07 14 37	15	- + 15	67°	H 13 54 18 (USCGS)
24	iPZ ME	21 11 12 21 36		+	53°	H 21 01 49 (BCIS)
26	iPZ	17 45 32		+	61°	H 17 35 18 (USCGS)
27	iPZ	17 21 09		+	72°.5	H 17 09 52 .02 deep (USCGS)
28	iPZ iSE isSE ME	08 35 58 46 21 51 17 09 19	20	- + - 12	84°	H 08 23 20 (USCGS)
30	iPZ	11 42 28		-	74°	H 11 30 39 (USCGS)

18th October, 1971.

April, 1971, Sheet 2

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR APRIL 1971

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.

Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
3	iPZ	05 00 04		+	68°	H 04 49 03 (USCGS)
	ipPZ	02 22		-		
	eSE	08 55				
	eSSE	13 21				
	ME	05 33	12	13		
4	ME	05 34	12			
	iPKPZ	10 35 14		+	147°.5	H 10 15 37 (USCGS)
4	ME	11 40	20	12		
	iPZ	18 51 57		+	83°	H 18 39 39 (USCGS)
4	eSE	19 02 08				
	eSSE	07 52				
	ME	19 24	28			
	ME	19 32	20			
5	iPZ	09 15 51		-	72°	H 09 04 43 .02 deep (USCGS)
	ipPZ	16 29		-		
	ipPZ	18 43		-		
	eSE	25 01				
	eSSE	26 05				
5	eSSE	29 51				
	iPKPZ	14 45 44		-	151°	H 14 26 31 .06 deep (USCGS)
6	ePE	00 29 20			79°	H 00 17 12 (USCGS)
	eSE	39 02				
6	iPZ	06 58 17		-	45°	H 06 49 53 (USCGS)
6	iPKPZ	11 25 06		+	147°.5	H 11 06 31 .09 deep (USCGS)
	iPKPZ	25 10		-		
	ipPKPZ	27 25		+		
6	iPKPZ	16 20 13		-	149°	H 16 01 25 .08 deep (USCGS)
	iPKPZ	20 17		-		
7	iPKPZ	05 18 09		-	110°	H 04 59 39 (USCGS)
	ipPZ	18 42				
8	iPZ	07 59 44		+	101°.5	H 07 45 58

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
9	iPZ	06 20 20		-	76°	H 06 08 33 (USCGS)
10	iPKPZ	01 40 58		-	146°	H 01 22 17 .08 deep (USCGS)
	ipPKPZ	43 14		-		
12	iPKPZ	19 17 21		-	149°.5	H 18 57 19 (USCGS)
	iPKPZ	17 31		-		
12	iPZ	19 12 06		+	49°	H 19 03 27 (BCIS)
	ipPZ	14 03		-		
	iSE	19 04		-		
	eSSE	22 52				
	MN	19 31	20			
12	ME	19 35	20	5		
	iPKPZ	21 19 00		-	143°	H 21 00 37 .08 deep (USCGS)
13	iPKPZ	05 37 40		-	149°.5	H 05 17 54 (USCGS)
13	ePZ	12 58 13			27°	H 12 52 38 (BCIS)
	eSN	13 02 59				
13	iPKPZ	18 05 58		-	143°	H 17 47 24 .08 deep (USCGS)
14	iPZ	11 50 44		-	79°	H 11 38 42 (USCGS)
	eSN	12 00 42				
	ME	12 29	12			
19	iPZ	02 48 44		+	22°	H 02 43 50 (BCIS)
	eSE	52 58				
	ME	02 57				
20	ePZ	14 25 57			95°.5	H 14 12 47 .01 deep (USCGS)
	eSKSE	36 30				
21	eSE	37 10				
	eFN	06 53 27			70°	H 06 42 16 (USCGS)
22	iSN	07 02 50				
	eSE	09 36 27			20°	H 09 28 26 (BCIS)
25	iPZ	03 41 26		-	46°.5	H 03 33 00 (BCIS)
25	iPZ	17 51 48		-	15°.5	H 17 47 57
	eSE	51 50				

April, 1971, Sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and directions	Epicentral distance	Notes
26	iPKPZ	04 39 08		-	149°.5	H 04 19 19 (USCGS)
28	iSE	15 54 04		+	79°	H 15 32 01 (USCGS)
	iSSE	15 59 14		-		
	ME	16 16	20	15		
29	iSKSE	20 20 28		+	98°	H 19 56 12 (USCGS)
	eSSE	20 28 17				
	ME	20 54	18			
30	iPZ	14 17 20		-	74°	H 14 05 49 .01 deep (USCGS)
30	ePZ	15 59 34			72°.5	H 15 48 07 (USCGS)
	eSE	16 09 02				

19th October, 1971

International
Seismological
Centre

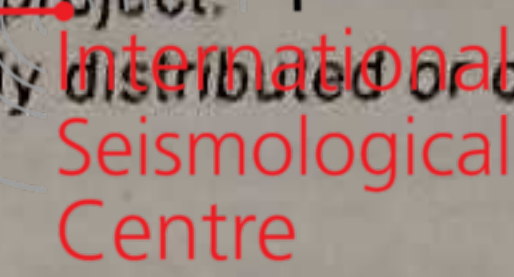
DURHAM UNIVERSITY OBSERVATORY, DURHAM

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR 1971 MAY

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	ePE	13 50 47			24°	H 13 45 23 (BCIS)
	eSE	13 55 05				
	ME	14 01				
1	iPKPZ	14 35 04		-	147°	H 14 15 36 .02 deep (USCGS)
2	ePZ	06 20 01			74°	H 06 08 27 (USCGS)
	iZ	20 08		+		
	iPcPZ	20 27		+		
	iXZ	20 44		-		
	iPPZ	22 43		-		
	iSE	29 31		+		
	iPSE	30 07		+		
	iSSE	34 15		+		
	ME	07 01	20	50		
	MZ	07 01	20			
ME	09 28	20				
3	iPZ	00 43 52		-	63°.5	H 00 33 23 (USCGS)
	eSE	52 21				
3	iPZ	01 04 15		-	20°	H 00 59 48 (USCGS)
	eSN	07 52				
	MN	01 15	15			
4	iPZ	02 18 42		-	105°	H 02 04 33 .01 deep (USCGS)
	iPPZ	22 50		+		
	iSKSE	29 29		+		
	iPSE	32 17		+		
	iSSE	37 17		-		
	ME	03 12	21	10		
5	iPZ	01 20 07		-	19°.5	H 01 15 36 (BCIS)
6	eSE	03 52 33			18°	H 03 45 12 (BCIS)
	ME	03 58				
7	ME	01 25	30	4	109°.5	H 00 21 14 (USCGS)
8	ePKPE	01 08 28			114°	H 00 49 46 .02 deep (USCGS)
	ePPE	09 40				
	iSKSE	14 33		-		
	esSKSE	15 40				
		21 25				



Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
9	iFZ	19 35 37		+	52°	H 19 26 38
	eScSE	45 43				.02 deep
	iXE	48 36		+		(BCIS)
	ME	20 02	15			
10	iPZ	00 12 46		+	73°	H 00 01 16 (USCGS)
10	iPZ	15 00 19		-	47°	H 14 51 41 (BCIS)
	iPcPZ	01 46		+		
	iPPZ	02 13		-		
	eSE	07 07				
	iScSE	10 04		-		
	iSSE	10 53		-		
	ME	15 23	10			
12	ePZ	06 31 00			28°	H 06 25 11 (BCIS)
	iZ	31 04		-		
	iPPZ	31 57		+		
	iSE	35 47		-		
	iSSE	37 10		+		
	ME	06 44	11	33		
12	iFZ	10 16 22		+	27°	H 10 10 30 (BCIS)
	iSE	21 09		-		
	MN	10 29	11	5		
12	iFZ	13 03 08		+	27°	H 12 57 21 (BCIS)
	iPPZ	03 57		-		
	iSE	08 01		+		
	iSSE	09 01		-		
	iScSE	14 00		-		
	ME	13 16	11	14		
13	iFZ	22 52 55		-	27°	H 22 47 13 (BCIS)
17	iFZ	11 16 14		-	83°	H 11 04 07
	iPcPZ	16 57		+		.03 deep (USCGS)
	iSKSE	26 16		+		
	iSE	26 24		-		
	iSE	26 34		-		
	eSSE	31 56				
	ME	11 48	16			
18	iPKPZ	07 17 50		-	146°	H 06 58 31 .02 deep (USCGS)
18	iFZ	22 54 43		-	59°	H 22 44 44 (USCGS)
	iPcPZ	55 36		-		
	iPPZ	57 00		-		
	iPPN	58 18		+		
	iSN	23 02 47		+		
	iScSN	04 36		+		
	eSSE	06 52		+		
	ME	23 23	17	39		
22	iFZ	16 50 35		+	32°	H 16 44 02

1971 May, sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
22	ME	17 04	20	325		
	ME	17 08	15	180		Mag. 6.9
	MZ	17 08	15			
22	iPZ	20 14 20		-	66°	H 20 03 32 (USCGS)
	eSE	22 58				
	MN	20 41	20	50		
25	iFZ	05 49 03		-	26°	H 05 43 24 (BCIS)
	iPPZ	49 46		-		
	iSE	53 34		+		
	iXE	53 45		-		
	eSSE	54 46				
	ME	05 59	18	24		
	ME	06 04	10	14		
25	iFZ	13 13 03		-	85°	H 13 00 20 (USCGS)
	eSN	23 26				
	ME	13 46	20			
	MN	13 56	14			
26	iPKPZ	00 30 58		+	150°	H 00 11 55 .06 deep (USCGS)
26	ePN	02 49 57			45°	H 02 41 47 (BCIS)
	eSN	56 47				
	iSSN	59 57		+		
	ME	03 13	16	5		
26	iFZ	06 25 44		-	85°	H 06 13 15 (USCGS)
	eSE	36 08				
	ME	07 00	26			
	MN	07 09	16			
28	iFZ	14 23 53		+	78°	H 14 12 08 .02 deep (USCGS)
28	iPKPZ	14 24 22		+	146°.5	H 14 06 20 .09 deep (USCGS)
29	iFZ	09 05 16		+	85°	H 08 52 44 (USCGS)
	iSN	15 54		+		
	ePPSE	17 01				
	MN	09 49	18	4		
30	iFZ	15 55 56		+	74°	H 15 44 16 (USCGS)
	iSN	16 05 30		-		
	MN	16 25	25	25		
31	iFZ	03 50 44		-	17°.5	H 03 46 49 (BCIS)
	iSE	53 57		+		
	iSSN	54 18		-		
	ME	03 57	12	15		
31	iFZ	05 25 37		+	74°.5	H 05 14 00 (USCGS)
	eSE	35 17		-		

Produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position: 54°46'N 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR 1971 JUNE

Instruments: Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.

Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component. *displacements*

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
5	iPZ	14 32 46		-	78°	H 14 20 42 (USCGS)
	iSE	42 32		+		
6	iPZ	04 11 15		+	71°	H 04 00 22 .04 deep (USCGS)
6	eSN	04 18 31			46°	H 04 02 57 (USCGS)
10	iPZ	07 00 25		-	90°	H 06 47 35 (USCGS)
	eSKSN	11 04				
	eSN	11 37				
10	eSN	19 00 45			16°	H 18 54 05 (USCGS)
	MN	19 04	10			
10	ME	19 12	15		16°	H 19 02 42 (USCGS)
10	iPZ	20 11 31		-	78°	H 19 59 53 .03 deep (USCGS)
	ipPZ	12 29		-		
	eXN	20 38				
	iSN	21 01		+		
	isSN	22 39		-		
	MN	20 43				
10	ePB	21 36 25			16°	H 21 32 32 (BCIS)
	ME	21 41	16			
	MN	21 43	12			
10	iPZ	23 48 27		-	16°5	H 23 44 39 (USCGS)
	ME	23 55	17			
11	iPZ	01 45 42		-	87°	H 01 32 59 (USCGS)
	iSKSN	56 23		+		
	ISN	56 38		-		
11	iPZ	13 06 27		+	63°	H 12 56 04 (USCGS)
	iXZ	06 32		+		
	ipPZ	08 57		-		
	iSE	14 57		+		
	iXE	18 59		-		
	isSE	19 17		+		
	ME	13 27	20	25		
11	iPZ	14 10 15		-	74°	H 13 58 38 (USCGS)
	ipPZ	12 18		-		
	iXZ	13 18		-		
	iXZ	13 18		-		
	iXZ	13 18		-		

Produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

International Seismological Centre

Date	Phase and component	Time	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
13	iPZ	04 18 18		-	84°	H 04 05 52 (USCGS)
14	eSE	11 47 23			78°5	H 11 25 50 .01 deep (USCGS)
14	eSN	14 07 24			61°	H 13 48 56 .02 deep (USCGS)
	ME	14 23	20			
15	iPZ	07 48 50		+	53°	H 07 39 47 (BCIS)
	eSN	56 22				
	MN	08 08	09			
15	iPZ	22 13 27		-	53°	H 22 04 00 (BCIS)
	ipPZ	15 24		-		
	iSE	21 02		+		
	eScSN	23 28				
	eSSE	25 02				
	ME	22 38	11	3		
	ME	22 41	10	3		
	MZ	22 41	10			
16	iPZ	01 07 55		+	53°	H 00 58 40 .01 deep (BCIS)
	iSN	15 37		+		
	eSSN	19 53				
	MN	01 28				
17	iPZ	21 14 11		+	99°	H 21 00 41 .01 deep (USCGS)
	ipPZ	14 56		-		
	iPPZ	18 16		+		
	iSKSN	24 40		+		
	iSN	25 35		+		
	isSE	26 05		+		
	iPSE	27 00		+		
	isSE	32 30		+		
	ME	21 50	30	170		
	ME	21 56	20	40		
	MZ	21 56	20			
19	ME	17 56	15		52°5	H 17 23 03 (USCGS)
24	ePZ	14 05 12			90°	H 13 52 15 (USCGS)
	eSN	15 55				
	MN	14 41	20			
26	iPZ	19 40 52		-	99°	H 19 27 14 (USCGS)
	iSKSE	51 32		-		
	iSE	52 37		-		
	isSE	59 35		+		
	ME	20 30	20	6		
27	iPKPZ	14 41 37		+	150°	H 14 22 53 .09 deep (USCGS)
28	eSE	23 48 23			27°5	H 23 37 41 (BCIS)
	ME	23 53				
29	eSN	04 37 16			27°5	H 04 26 30 (BCIS)
	ME	04 42				

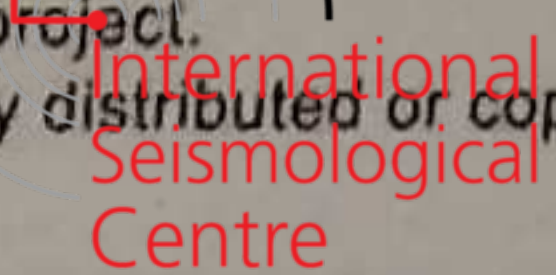
DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres.

SEISMOLOGICAL BULLETIN FOR 1971 JULY

Instruments:- Wilson-Lamson seismometer free period 1 sec. coupled to
 G.E. galvanometer free period 3.4 sec., recording vertical
 component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1,
 magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
2	ePZ eSE	03 42 07 47 06			31°	H 03 35 49 (USCGS)
2	eSKSN eSN MN	05 58 44 59 48 06 30	20	12	99°	H 05 34 27 (USCGS)
3	iPKPZ	04 26 20		-	147°	H 04 07 44 .09 deep (USCGS)
3	iPKPZ iPKPZ	12 31 18 31 24		+ +	148°	H 12 12 32 .08 deep (USCGS)
3	iPKPZ	23 03 39		+	144°	H 22 45 08 .09 deep (USCGS)
4	eSKSE eSE MN	11 54 41 55 19 12 24	20		95°	H 11 30 51 (USCGS)
8	iPKPZ iPPN iPPZ iSKSE eSSE MN	19 25 44 27 04 29 10 32 26 42 38 20 11		- - + - -	118°.5	H 19 07 00 (USCGS)
9	iPZ iPPN iSKSE iSN iSSE ME ME MZ	03 17 22 21 40 28 17 29 02 36 36 03 57 04 01 04 01	30 23 23	+ + + + - 470 400	105°.5	H 03 03 19 (USCGS)
9	eSKSE eSN ME MN	19 40 21 41 36 20 16 20 25			105°.5	H 19 15 34 (USCGS)
9	iPZ	22 32 01		+	56°	H 22 22 28 (USCGS)
11	eSKSE eSN	10 16 24 10 20			105°.5	H 09 51 38 (USCGS)



1971 July, sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
12	ePZ eSE	16 00 27 10 13			73°	H 15 49 11 (USCGS)
12	iPZ	23 08 50		-	74°	H 22 57 07 (USCGS)
14	iPKPZ iXZ iPPN iXN iSSN	06 30 34 31 13 32 21 40 06 49 49		- + - + -	127°	H 06 11 29 (USCGS)
	MN MN MZ	07 13 07 31 07 31	36 20 20	720 250		
14	ePKPZ ePPZ	07 56 17 58 18			126°.5	H 07 37 16 (USCGS)
14	ePKPZ	08 00 09			127°	H 07 41 09 (USCGS)
14	ePKPZ eSKKSN eSSN	18 46 46 55 39 19 05 46			127°	H 18 27 44 (USCGS)
14	iPKPZ eSKKSN eSSN	19 52 30 20 01 30 11 45		- - -	127°.5	H 19 33 28 (USCGS)
15	iPZ iSN iSSN MN	01 36 22 38 49 39 27 01 42	12	- - - 25	13°	H 01 33 25 (BCIS)
15	iPKPZ	18 34 32		-	150°.5	H 18 15 45 .09 deep (USCGS)
17	iPZ iSKSN iSN iSSE	05 45 20 55 31 55 48 06 01 44		- + - -	89°	H 05 32 43 .02 deep (USCGS)
17	ePE eSN eSSN	15 12 10 21 22 26 17			71°.5	H 15 00 55 (USCGS)
18	iPKPZ	11 23 10		-	146°	H 11 04 38 .09 deep (USCGS)
18	iPKPZ iPEZ iSKSN eSKKSE eSSE MN	14 50 18 52 11 57 20 59 44 15 09 14 15 48	20	+ - - - 6	126°	H 14 31 17 (USCGS)
18	iPZ	16 22 47		-	20°	H 16 18 24

1971 July, sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
19	iPKPZ ipPKPZ	15 07 32 07 52		+	123°	H 14 48 42 .01 deep (USCGS)
19	iPPZ ME	15 58 49 16 47	27	-	127°	H 15 37 46 (USCGS)
20	ePnZ iPPZ eXE iSSNE iXE iXN	08 34 27 34 32 34 48 35 04 35 13 35 17		-	02° .2	H 08 33 48 (EDIN)
20	iPKPZ	17 53 55		-	145°	H 17 34 20 (USCGS)
22	iPZ	22 19 46		-	84°	H 22 07 19 (USCGS)
24	ePZ ME	11 52 36 12 16		-	51°	H 11 43 39 (USCGS)
26	iPKPZ iPPZ iSKSN iSKKSN iSPZ iSSE ME ME MZ	01 42 20 44 15 49 52 51 35 54 35 02 02 15 02 30 02 48 02 48	30 20 20	+ - - - + + 640 280	127°	H 01 23 21 (USCGS)
26	iPZ	01 57 46		-	53°	H 01 48 34 (USCGS)
26	iPKPZ	02 12 45		-	126°	H 01 53 45 (USCGS)
26	iPKPZ	02 43 57		+	126°	H 02 24 57 (USCGS)
26	iPKPZ eSKKSN	07 18 35 27 27		-	127°	H 06 59 28 (USCGS)
26	iPKPZ iSKSN eSKKSN ME	15 54 40 16 01 49 03 30 16 51	20	- +	127°	H 15 35 38 (USCGS)
26	iPKPZ	17 04 02		-	127°	H 16 45 00 (USCGS)
26	iPKPZ iSKSN iSKKSN	19 34 34 41 37 43 24		- + -	127°	H 19 15 31 (USCGS)

1971 July, sheet 4

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and directions	Epicentral distance	Notes
19	iPZ iSN MN	14 38 02 48 13 15 19	20	- +	84°	H 14 25 31 (USCGS)
7	ePKPZ iSKKSN eSSN MN	21 07 01 15 22 19 11 21 56	25	- 6	126° .5	H 20 47 57 (USCGS)
8	iPKPZ iSKSN iSKKSN MN	01 29 28 36 33 38 14 02 30	20	- - - 5	126° .5	H 01 10 24 (USCGS)
18	iPKPZ	06 02 12		-	145° .5	H 05 43 35 .08 deep (USCGS)
29	ePZ iSN	22 29 55 39 30		+	73° .5	H 22 18 20 (USCGS)
30	iPKPZ iPPZ iSKSN iSKKSN iSSN	06 37 11 39 10 44 43 46 27 56 20		+ - - + +	126°	H 06 18 12 (USCGS)

24th November, 1971

Produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

SEISMOLOGICAL BULLETIN FOR 1971 AUGUST

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.

Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
1	iPZ	02 17 41		-	74°	H 02 06 07 (USCGS)
2	ePKPZ eSKKSN	00 39 00 47 56			127°	H 00 19 54 (USCGS)
2	iPZ iPPZ iSE iSPZ iSSE ME MZ ME	07 36 59 40 02 46 47 47 01 50 06 08 10 08 14 08 17		+ - - + + 25 22 20	80°	H 07 24 57 (USCGS) Mag. 6.9
2	ePE eSN	13 12 08 22 04			80°	H 13 00 01 (USCGS)
4	iPZ iPPZ iXE iSN iSSE	00 33 20 35 19 36 25 40 25 44 23		- - + + -	51°.5	H 00 24 37 (USCGS)
5	iPZ iSN iXN MN MZ	02 08 47 16 54 23 13 02 40 02 40		- - - 14 14	58°	H 01 58 52 (USCGS) 54
6	iPKPZ	23 10 53		+	145°	H 22 52 15 .08 deep (USCGS)
9	ePZ iSE eSSE ME	03 02 28 08 35 11 27 03 30		+ + - 19	42°	H 02 54 42 (BCIS)
9	iPPZ ME	12 34 14 13 23		-	127°.5	H 12 12 02 (USCGS)
9	eSKKSN MN	20 29 38 21 20			127°	H 20 01 38 (USCGS)
11	eSE	13 36 19			86°.5	H 13 14 16 (USCGS)
11	eSKKSE ME	14 54 39 15 56		2	166°	H 14 23 32 (USCGS) Mag. 5.8

Produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
14	iPKPZ ME ME	09 22 43 10 23 10 35		+ 14 14	140°.5	H 09 02 53 (USCGS) Mag. 6.5
16	ePN iSN MN MN	05 09 41 19 19 05 45 06 25		+ + - 12	75°	H 04 58 00 (USCGS)
16	eSE ME	16 03 21 16 27		- 23	80°	H 15 41 19 (USCGS)
16	iPZ iSE ME	19 05 37 15 13 20 42		- + -	75°	H 18 53 55 (USCGS)
17	eSE	04 41 42			32°	H 04 29 37 (BCIS)
19	ePZ eSKSN eSN MN	08 41 59 52 29 52 35 09 18		- - - 20	88°	H 08 28 53 (USCGS)
19	iPZ ePPE iSN iSKSE MN	22 27 15 30 15 36 47 37 07 23 06		- - + + 20	74°.5	H 22 15 38 (USCGS) Mag. 6.0
20	iPKPZ	02 16 09		+	145°.5	H 01 56 35 (USCGS)
20	iPZ iSE ME	21 48 16 58 15 22 23		+ + 20	79°.5	H 21 36 10 (USCGS) Mag. 5.5
21	ePE ME	17 13 15 17 20		- -	22°	H 17 08 25 (BCIS)
23	ePKPZ eSKSE iSSE ME ME	04 27 05 34 09 45 24 05 06 05 10		- - - 40 30	123°	H 04 08 02 (USCGS) 20 20
23	iPKPZ	15 59 19		-	148°	H 15 40 45 .09 deep (USCGS)
23	iPZ eSN iSKSE eSSN ME	22 07 11 16 54 17 15 22 23 22 45		- - + + 20	77°.5	H 21 55 18 (USCGS)
24	iPZ eSE MN	16 42 29 49 49 17 08		+ - 10	51°.5	H 16 33 23 (USCGS) 3
28	iPKPZ	03 24 13		-	146°.5	H 03 05 30 .08 deep (USCGS)

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR SEPTEMBER 1971

Instruments: Wilson-Lamson seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
2	iPKPZ	24 07 39		-	149°	H 23 47 52 (NOAA)
4	iPZ	16 04 24		-	69°	H 15 53 25 .01 deep (NOAA)
5	iPZ	18 47 05		+	74°	H 18 35 25 (NOAA)
	iPoPZ	47 30		-		
	iPEE	50 00		-		
	iSN	56 42		-		
	iPSE	57 25		-		
	iSSN	19 01 36		-		
	ME	19 18	20	280		
	ME	19 25	12	100		
	MZ	19 25	12			Mag. 7.4
5	ePZ	19 45 25			74°	H 19 33 47 (NOAA)
6	iPZ	01 22 10		-	81°	H 01 09 52 (NOAA)
6	ePZ	03 11 17			74°	H 02 59 39 (NOAA)
6	ePZ	06 57 38			74°	H 06 45 59 (NOAA)
	eSE	07 07 12				
6	iPZ	13 48 46		+	74°	H 13 37 11 (NOAA)
	eSE	58 20				
	iSKSN	58 55		-		
	MN	14 26	17			
8	ME	04 02	18		74°	H 03 17 25 (NOAA)
8	ePZ	07 37 36			83°	H 07 25 15 (NOAA)
8	iPZ	12 00 06		+	74°	H 11 48 23 (NOAA)
	iPPN	02 57		+		
	iSN	09 39		+		
	ME	12 33	20	37		
	MN	12 48	11	18		
	---	---	---	---	---	---

September, 1971 Sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
8	iEE	20 36 57		-	19°.5	H 20 32 25 (BCIS)
	iSE	40 54		+		
	ME	20 43	18			
9	eFN	15 15 54			28°	H 15 10 12 (BCIS)
	eSE	20 58				
	ME	15 26	14			
9	iPZ	23 13 09		-	78°.5	H 23 01 07 (NOAA)
	iSN	23 02		+		
	MN	23 53	17	4		
10	iPKPZ	06 48 26		-	145°	H 06 28 51 (NOAA)
	iPPN	51 59		-		
	iSKSE	56 14		-		
	eSSE	07 10 35		-		
10	iPKPZ	14 11 03		+	143°	H 13 52 42 .10 deep (NOAA)
12	iPKPZ	08 26 38		-	152°	H 08 06 54 .01 deep (NOAA)
	iPKPZ	26 48		-		
13	ePZ	01 22 04			85°	H 01 09 56 .04 deep (NOAA)
13	iPZ	04 28 25		-	63°	H 04 18 02 (NOAA)
	eSE	37 15				
14	iPKPZ	03 22 45		+	129°	H 03 03 39 (NOAA)
	iXZ	23 06		+		
	eXE	33 05				
	eSSN	42 11				
	MN	03 57	20	3		
14	iPKPZ	05 39 31		-	127°	H 05 20 29 (NOAA)
	iPPZ	41 28		+		
	iSKSE	46 27		-		
	iSKKSE	48 25		-		
	iXE	57 12		+		
	iSSN	58 30		-		
	ME	06 23	30	14		
14	iPKPZ	14 27 31		+	145°	H 14 07 55 (NOAA)
	ipPKPZ	27 43		-		
14	iPZ	20 03 14		-	58°	H 19 53 14 (NOAA)
	iSE	11 08		+		
	iSSE	15 04		+		
	MN	20 22	10			
15	iPZ	13 42 21		-	88°	H 13 29 34 (NOAA)
	eSKSE	53 00		-		
	iSE	53 22		-		

September, 1971 Sheet 3

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
16	iPKPZ	06 41 11		+	118°	H 06 22 38
	ipPEPZ	41 21		-		.01 deep
	iPPZ	42 37		-		(NOAA)
	iPPFZ	44 34		-		
	iSKKSE	49 10		-		
	eSSE	58 34				
19	iPKPZ	10 18 58		+	148°	H 10 00 19 .08 deep (NOAA)
20	iPZ	06 55 14		-	67°	H 06 44 14 (NOAA)
	eSE	07 03 58				
	ME	07 26	17			
21	iPZ	08 55 33		-	82°	H 08 43 32 .02 deep (NOAA)
22	ePZ	14 26 22		-	79°	H 14 14 21 (NOAA)
	iSE	36 24		-		
	ME	15 02	18	4		
24	iPZ	01 22 15		-	82°	H 01 10 00 (NOAA)
	iPPZ	25 21		+		
	eSE	32 22				
	iSKSE	32 40		+		
	iSSE	37 50		+		
	ME	01 58	20	7		
24	iSKSE	04 56 50		+	93°	H 04 32 55 (NOAA)
25	iPKPZ	04 55 02		+	125°	H 04 36 14 .01 deep (NOAA)
	iPPZ	56 54		+		
	iSKSE	05 01 47		+		
	iSSE	13 48		+		
	ME	05 43	21	5		
25	iPKPZ	14 57 46		-	145°	H 14 39 21 .10 deep (NOAA)
25	iPKPZ	15 03 16		+	143°	H 14 44 59 .10 deep (NOAA)
25	iPKPZ	22 36 57		-	145°	H 22 18 05 .05 deep (NOAA)
26	iPKPZ	05 28 10		-	145°	H 05 09 48 .09 deep (NOAA)
27	iPZ	06 06 00		+	31°.5	H 06 00 00 (BCIS)
	iPPE	07 26		-		
	iPPZ	09 11		-		

September, 1971 Sheet 4

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
27	ePZ	19 13 27			75°	H 19 01 45 (NOAA)
	iSN	23 00		+		
	eSKSN	23 30				
	MN	19 45	20	10		
	MN	19 48	12	9		
27	ePKPN	22 38 57			123°	H 22 20 03 (NOAA)
	ePFN	40 49				
	iSKSN	46 23		-		
	iSSN	57 23		-		
	MN	23 28	28	3		
28	iPPE	20 06 36		+	131°.5	H 19 45 16 (NOAA)
	iSKKSN	11 36		-		
28	eSKSE	23 40 25			104°.5	H 23 16 02 .01 deep (NOAA)
	eSE	41 29				
29	iPZ	07 21 18		+	10°	H 07 18 52 (BCIS)
	iPPZ	21 23		-		
30	ePZ	08 30 04			79°	H 08 17 55 (NOAA)
	eSN	40 02				
	eSKSN	40 29				
	iSSN	45 07		+		
	MN	09 04	15	30		
	MZ	09 04	15			
	ME	09 08	16	50		
30	iPZ	21 33 42		-	55°	H 21 24 11 (NOAA)
	iSN	41 24		+		
	MN	21 59	18	12		
30	iSN	21 49 38		-	60°	H 21 31 26 (NOAA)

14th March, 1972

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR OCTOBER 1971

Instruments: Wilson-Lemison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec., recording vertical component of velocity.
 Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
3	iPKPZ eSSE	08 55 08 09 13 48		-	128°	H 08 36 05 (NOAA)
3	iPPZ eXN eXE eSSE ME	13 47 10 47 59 52 49 14 05 23 14 40	21	10	140°	H 13 24 37 (NOAA)
4	iPKPZ ePPN eSKSE eSKKSE eSSE ME	01 49 44 51 33 56 27 58 24 02 08 53 02 40	20	12	127°.5	H 01 30 34 .01 deep (NOAA)
4	iPZ	11 19 29		+	98°	H 11 06 08 .01 deep (NOAA)
6	iPKPZ	07 34 12		-	145°	H 07 15 42 .09 deep (NOAA)
8	iPKPZ	16 23 16		-	143°	H 16 04 45 .08 deep (NOAA)
9	iPZ eSE eSKSN eSSE	11 16 57 26 26 27 16 30 58		-	78°	H 11 05 08 .01 deep (NOAA)
9	ME	14 02			87°	H 13 15 36 (NOAA)
12	iPZ	09 56 52		+	77°	H 09 44 59 (NOAA)
13	iPZ	03 32 19		-	28°	H 03 26 30 (BCIS)
13	eSE	23 00 33			95°	H 22 36 02 .01 deep (NOAA)
14	iSSN MN	23 10 53 23 38	20	25	109°	H 22 36 29 (NOAA)
15	ePZ	10 46 50		+	91°	H 10 33 47 (NOAA)
15	ME	22 26			55°	H 21 58 36

October 1971, sheet 2

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
19	eSE	11 23 35			73°.5	H 11 02 38 (NOAA)
20	ME ME	09 29 09 38			89°	H 08 40 19 (NOAA)
23	iSKSN iSSN ME	22 58 37 23 07 39 23 39	19	+ + 12	107°	H 22 33 31 (NOAA) Mag. 6.3
24	ePZ eSKSN MN	01 51 51 02 02 32 02 41	22	19	107°	H 01 37 30 (NOAA)
25	ePZ	00 21 29			88°.5	H 00 09 30 .08 deep (NOAA)
25	iPEN ME	04 09 31 05 10		+	137°	H 03 46 36 (NOAA)
27	iPKPZ ipPKPZ iPPZ eXE iSSE iXN ME	18 18 03 18 07 21 38 31 04 39 42 40 50 19 18		+ - - - - - -	140°	H 17 58 37 (NOAA)
28	MN	14 03			48°	H 13 31 04 (BCIS)
28	iPPZ MN	15 33 37 16 15	40	+ 40	119°	H 15 13 38 .01 deep (NOAA)
28	ME	19 21	20	9	138°	H 18 00 01 (NOAA)
29	iSE	14 27 22		-	74°	H 14 06 27 (NOAA)
30	iSE	14 38 27		-	86°.5	H 14 16 24 .06 deep (NOAA)
30	ME MN	21 39 21 46	18 15	7 10	89°	H 20 48 48 (NOAA)

14th March, 1972

produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR 1971 NOVEMBER

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec. recording vertical component of velocity. Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
5	iPZ	22 23 43		-	84°	H 22 11 15 (NOAA)
6	iPZ	22 11 34		-	74°	H 22 00 00 (NOAA)
	iXZ	11 48		-		
	iPPZ	14 27		-		
	ME	22 52	18			
8	iPZ	03 15 22		+	49°	H 03 06 33 (BCIS)
8	iPZ	12 05 59		+	74°	H 11 54 12 (NOAA)
11	iPZ	10 32 12		+	79°	H 10 19 56 (NOAA)
17	ePZ	12 26 13			16°	H 12 22 26 (BCIS)
	ME	12 32				
18	ePKPZ	07 43 33			147°.5	H 07 24 35 .05 deep (NOAA)
19	ME	03 06			14°	H 02 57 45 (BCIS)
20	iPKPZ	07 46 48		-	148°.5	H 07 28 01 .08 deep (NOAA)
	ipPKPZ	49 00		+		
20	ME	22 05			68°	H 21 24 43 (NOAA)
21	iPKPZ	06 16 24		-	136°	H 05 57 12 .01 deep (NOAA)
	iSKPZ	19 54		+		
	iSKSN	23 22		-		
	iSSE	37 01		+		
	MN	07 03				
	MN	07 17				
24	iPZ	19 46 43			71°.5	H 19 35 29 .01 deep (NOAA)
	iPcPZ	47 06		+		
	ipPZ	47 31		-		
	iPPZ	49 24		+		

produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project. These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

DURHAM UNIVERSITY OBSERVATORY, ENGLAND

Position:- 54°46'N, 01°35'W, height above M.S.L. 103 metres

SEISMOLOGICAL BULLETIN FOR 1971 DECEMBER

Instruments:- Wilson-Lamison seismometer free period 1 sec. coupled to G.E. galvanometer free period 3.4 sec. recording vertical component of velocity. Milne-Shaw free period 12 sec., damping ratio 20:1, magnification 250, recording N and E component displacements.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
2	iPZ	17 30 25		-	78°.5	H 17 18 22 (NOAA)
	iPcPZ	30 47		+		
	iPPZ	33 24		-		
	iSE	40 14		-		
	iSKSE	40 31		-		
	iSSN	45 41		-		
	MN	17 59	35	40		
4	ePKPE	02 44 56			128°	H 02 25 51 (NOAA)
	iPPE	47 09		+		
	ME	03 34	30	16		
5	iSE	06 09 52		+	67°	H 05 50 06 (NOAA)
	ME	06 29	16	11		
7	MN	04 30			109°	H 03 26 20 (NOAA)
7	ME	12 22			30°	H 12 04 20 (NOAA)
8	ME	09 15			67°	H 08 38 24 (NOAA)
8	iSKSE	16 29 18		+	97°.5	H 16 05 23 (NOAA)
	ME	16 58	20	10		Mag. 6.1
9	ePZ	01 51 24		-	50°	H 01 42 30 (BCIS)
	iSE	58 35		+		
	ME	02 12				
11	ePPZ	07 46 22			127°	H 07 25 19 (NOAA)
	iSSE	08 03 27		+		
15	iPZ	08 41 00		+	69°	H 08 29 55 (NOAA)
	iXZ	41 14		-		
	iPcPZ	41 31		-		
	iPPE	43 43		+		
	iPPPE	45 18		+		
	iSE	50 02		+		
	MN	09 20	15	200		
	MZ	09 20	15			
	ME	09 25	19	190		
	ME	11 30	17			Mag. 7.2
16	ePZ	18 41 13			24°	H 18 35 43 (BCIS)
17	ME	19 51	16	5	69.5°	H 19 06 02

produced on 2006 by SGA Storia Geofisica Ambiente (Bologna), on behalf of the Istituto Nazionale di Geofisica e Vulcanologia (Rome), in the frame of the EUROSEISMOS project.
 These data are considered public domain and may be freely distributed or copied for non-profit purposes provided the project is properly quoted.

2.

Date	Phase and component	Time G.M.T.	Period sec.	Amplitude microns and direction	Epicentral distance	Notes
27	iPKPZ	11 20 07		+	145°	H 11 00 57 .03 deep (NOAA)
30	ePZ	06 29 29			47°	H 06 21 00 (BCIS)
30	iPKPZ	15 58 38		-	126°	H 15 39 37 (NOAA)
	iPPZ	16 00 53		-		

15th June, 1972