

Seismological Bulletin

November 1950 - March 1951

King's College Observatory, Aberdeen

Lat. $57^{\circ}10'N$

Long. $2^{\circ}6'W$

Height above M.S.L. 12m.

Lithologic foundation: glacial deposit over boulder clay.

Instruments: Milne-Shaw Seismographs.

Photographic registration: two components.

Compts	Mass	T_0	Damping Ratio	Magnification	" Silt	Date from which constants apply.	
N	1 lb.	10 secs.	20:1	150	18.1	12/4/50	
E	1 lb.	10 secs.	20:1	150	18.1	12/4/50.	
Date	Compt ^s	Phase	Time G. M. T. h. m. s.	Period secs.	amp μ.	Δ° Km.	Remarks: Time of origin
Nov. 22	E	iP	10 29 14				
	NE	iPPP	33 57			72.7°	
	E	eS	38 39			8080 Km.	
	E	iPS	39 10				
	NE	e	42 14				
	N	eL	50 46				
	E	eL	53 54				
		F	11 15 -				
Nov. 24	N	e	21 33 -				
	E	e	36 -				Surface waves only.
		F	22 00 -				
Nov. 28	E	e	18 08 10				Surface waves only.
	N	e	09 20				
		F	16 -				
Dec 1	E	iP	15 01 10			56.7°	
	N	i	05 17			6300 Km.	$T_0 = 15h 50.9m.$
	NE	iS	08 07				Obscured by microseisms.
	N	iPS	08 35				
	NE	iSS	12 00				
	NE	iSSS	13 50				N 13m 54s.
	N	i	14 33				
	N	i	17 23				
	E	L	17 33				
	E	M	20 01	14	43		No definite maximum on N-S.
		F	16 16 -				
Dec. 2	NE	iPKP	20 11 26			141°	U.S.C.&S. $18^{\circ}S 167^{\circ}E.$
	N	iPKS	14 47				
	E	i	15 11				$T_0 = 19h 56.9m.$
	NE	iSKS	19 35				

KEW OBSERVATORY
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Date	Dir. (pts)	Phase	Time			Period Secs.	amp. μ .	Δ° Km.	Remarks: Time of origin.	
			G	M.	T					
Dec. 2	E	i	20	21	13					
	E	iPSKS		25	16					
	N	i		26	52					
	N	iSS		33	26					
	E	L		51	13					
	N	i		54	12					
	N	L		59	00					
	N	M	21	03	58	22	63		Maxima very uncertain.	
	E	M		24	11	20	36			
		F	22	45	-					
Dec. 4	NE	iTP	16	49	06			124°		
	NE	iSKKS		55	34				$T_0 = 16h 28.4m$.	
	N	iPS		59	23					
	E	i	17	09	02					
	E	L		28	13					
	N	L		29	18					
	N	M		43	55	22	17			
		F	18	45	-					
	Dec. 9	N	iPKP	13	42	42			151°	
		EN	i		44	17			16780 Km.	U.S.C.G.S 28½°S, 179°W.
NE		iTP		46	59				$T_0 = 13h 23m 07s$.	
E		i		48	42					
N		i		52	31				Strong.	
N		iPSKS		56	31					
N		i	14	00	52					
NE		iSS		05	11					
NE		i		15	26				Ee	
E		i		16	07					
Dec. 14		F	15	43	-				No distinct maxima	
	N	iPKP	02	11	56			142°		
	N	iSKP		15	06			15780 Km.	U.S.C.G.S. 19½°S, 176°W.	
	N	iPKS		15	36			1	$T_0 = 01h 52m 50s$.	
	N	i		16	40					
	N	iSKS		19	05					
	N	iSKKS		21	47					

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Whit 5	Phase	Time G. M. T.	Period Secs.	Amplitude	Δ° Km.	
		h. m. s.				
N	i	02 22 58				
N	iPSKS	25 10				No E-W component available.
N	i	31 44				
N	iSS	34 27				
N	i	56 50				
N	M	03 07 38	19	41		
N	M	04 05 30	18	21		Big path > 180°.
	F	45 -				
NE	iP	14 27 58			81.5°	Ne
E		30 54			9060 Km	U.S.C.G.S. 17°N, 98°W.
E	iTP	31 20				N 3/m 32 S.
E	iPPP	32 55				$T_0 = 14h 15m 5^{th} S.$
NE	iS	38 10				
NE	i	40 02				
E	iSS	43 50				
NE	iSSS	47 10				Ne
NE	L	57 40				
N	M	15 01 11	20	66		
E	M	04 07	20	123		
	F	17 26 -				
N	i	21 35 11				E-W clock under repairs
N	M	39 12	15	3		
	F	47 -				
No records available from 28 th Dec, 1950 to 4 th Jan, 1951.						
Records from one component only from 4 th Jan.						
N	iPP	05 27 23			50°	U.S.C.G.S.
N	iPPP	28 57			5555 Km	15°S 167°E.
N	i	29 40				
N	iS	33 09				
N	iPS	33 45				
N	iSS	36 49				
N	iSSS	38 09				
N	L	41 21				
N	M	44 41	9	9		
	F	06 08 -				

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Stn	Comp	Phase	Time G. M. T. h. m. s.	Period Secs.	Ampl μ.	Δ° Km.	Remarks; Time of Origin
N		P	08 03 23			γγ°	
N		i	05 14			85°55' Km	T ₀ = 0 ^h 51 ^m 33 ^s .
N		i	10 21				
N		iS	13 13				
N		L	23 -				
N		M	25 22	25	39		
		F	09 28 -				
E		iPPs	04 45 38				
E		i	50 29				U. S. G. G. S
E		iSS	51 23				15°S, 167°E.
E		iSSS	55 54				
E		e	05 09 52				
E		eL	19 42				
E		M	24 58	19	4		
		F	06 - -				
E		i	08 10 02				Mainly surface waves.
E		i	11 31				
E		i	13 09				
E		e	16 46				
E		M	22 46	19	12		
		F	48 -				
E		e	14 08 40				
E		M	14 42	18	2		
		F	28 -				
E		e	06 12 14				Very slight
		F	27 -				
E		i	23 15 05				
E		i	18 34				
E		i	19 15				
E		i	25 00				
E		M	34 35	20	16		
		F	24 03 -				

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Compt.	Phase	Time			Period Secs	Amp. μ	Δ° Km.	Remarks: Time of Origin
		G.	M.	T.				
E	i	17	38	54				
E	iS		40	17		53°	U.S.C.G.S. 66°N 136°E	
E	i		42	03		5890 Km.		
E	e		46	06				
E	L		49	26				
E	M	18	00	43	16	13		
	F	19	00	-				
E	iPKP	12	16	00				
E	i		19	51			U.S.C.G.S. 15°S 175°W.	
E	iPPP	22	10					
E	e		30	57				
E	e		54	-				
	F		?					
E	iP	22	23	42		65.6°		
E	iPP		26	05		7290 Km.	U.S.C.G.S. 56°N 155½°W	
E	iPPP		27	35				
E	i		29	54				
E	iS		32	27				
E	iPS		32	57				
E	i		35	30				
E	iSS		36	57				
E	iSSS		39	53				
E	i		42	58				
E	L		44	37				
E	M _Q		50	55	23	86		
E	M _R		55	04	17	94		
E	M	01	02	09	20	6	By path > 180°	
	F		38	-				
E	e	02	57	20			Very slight; ? seismic.	
	F	03	01	-				
E	iP	01	37	22		19.0°	U.S.C.G.S. 53°N 35°W.	
E	e		40	36		2110 Km.	T ₀ = 01h 33.0 m.	
E	iS		40	59				
E	iSS		41	23				
E	L		42	25				

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St.	Compt.	Phase	Time G. M. T. h. m. s.	Period secs	Ampl. M.	Δ° Km.	Remarks; Time of Origin.
	E	M	01 43 41	17	4		
		F	55 -				
	E	e	05 53 25				Very slight.
		F	55 -				
	E	i	11 41 35				Mainly surface waves.
	E	i	43 26				
	E	i	47 23				
	E	eL	12 02 38				
		F	12 -				
	E	iPP	20 27 35			84.6°	U.S.C.G.S. 29°N 128°E
	E	iSKS	34 19			9400 Km.	
	E	S	34 41				$T_0 = 20h 11.7m.$
	E	iPS	35 24				
	E	e	41 15				
	E	i	52 46				
	E	L	21 00 34				
	E	M	07 39	20	3		
		F	23 -				
	E	iP	20 03 24			112.5°	
	E	iPP	07 56			12500 Km.	
	E	iPPP	10 34				
	E	iS	15 26				
	E	i	24 55				
	E	e	35 23				
	E	L	40 20				
	E	L	46 13				
	E	M	53 56	30	18		
		F	22 03 -				
	E	iP	10 42 51			12.8°	
	E	iPPP	43 02			1420 Km.	
	E	i	43 26				
	E	i	44 07				
	E	iS	45 14				
	E	i	46 47				

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Count.	Phase.	Time G.M.T			Period Secs.	Ampl. μ	Δ° Km.	Remarks; Time of Origin
		h	m.	s.				
E	L	10	48	53				
E	M	49	39		16	5		
	F	55	-					
E	ePKP	22	16	53		138 $^{\circ}$	U.S.C.F.S. 15 $\frac{1}{2}$ $^{\circ}$ S	
E	i	17	24			153.40 Km.	167 $\frac{1}{2}$ $^{\circ}$ E	
E	iSKP	20	19					
E	iPPP	23	05				$T_0 = 22h 57.5m.$	
E	SKS	24	08					
E	iPPS	31	49					
E	iSS	37	33					
E	i	38	18					
E	e	53	33					
E	L	23	02	03				
E	M	08	43		25	17		
	F	24	12	-				
E	e	15	30	35				
E	M	36	47		15	8		
	F	58	-					
E	iPg	09	49	54		8.2 $^{\circ}$		
E	iSg	51	48			910 Km.		
E	i	52	21				$T_0 = 09h 48m 6s.$	
E	i	52	53					
E	i	53	29					
E	M	53	41		11	12		
	F	58	-					
E	e	05	06	38			Mainly surface waves.	
E	i	07	37					
E	M	11	17		12	9		
	F	18	-					
E	e	21	31	52			Very slight	
	F	34	-					

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