

KEW
OBSERVATORY
19 NOV 1959
RICHMOND
SURREY.

SEISMOLOGICAL BULLETIN

RINGS' COLLEGE OBSERVATORY, ABERDEEN

July, Aug., Sept- 1959.

Lat. 57°10' N. Long. 2°6' W. Height above M.S.L. 12M. Lithologic Foundation: Glacial deposit over boulder clay.

July, 1959

Instruments: Milne-Shaw Seismographs, Photographic Registrations, Two Components.

Compt.	Mass	To	Damping Ratio	Magnification	1" Tilt	Date from which constants apply	
	1 lb.	10 sec.	20 : 1	150	18.1 mm.	E-W	1.11.58
	1 lb.	10 sec.	20 : 1	150	19.0mm.	N-S	1.11.58

Compt.	Phase	Time G.M.T. h. m. s.	Period sec.	Ampl. "	Δ° km.	Dir ⁿ of Motion	Remarks Time of origin
July 1	E NE E E	i iSKS iSP iPPS F			89° 9890 Km	N E - - + + - -	U.S.C.G.S.: 28°N, 139 ¹ / ₂ °E Deep focus N 53m 18s
3	N E E E N N E E N	iPP i eSKS i iS iPPS eSSS L L M M F			139° 15445Km	- - + + - + - -	U.S.C.G.S.: 16°S, 172 ¹ / ₂ °E eE 29m 29s
5	E E E N NE	e ePP ePPP eSKKS eSSS F				- + + - - + + +	U.S.C.G.S.: 8°S, 74°W Displacements very slight
6	NE NE NE NE NE NE	I iSKS I iS I iPS II iSKS II iS II iPS F			97° .2 10800Km	- - - + - - + + - -	U.S.C.G.S.: 26 ¹ / ₂ °S, 61 ¹ / ₂ °W Two shocks both in same position No definite max. Deep focus
9	NE E N N N E E NE E E	iPP i iSKS iS ePS ePPS iSS eSSS L M F			95° 10555 Km	+ + - - + + + + - + - +	U.S.C.G.S.: 20 ¹ / ₂ °S, 68°W T = 16h 05m 14s ° E 28m 58s E 29m 55s N 36m 12s N 40m 11s
			20	2.5			
		17 26 -					

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No.	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. "	Δ° km.	Dir ⁿ of Motion		Remarks Time of origin			
			h.	m.	s.				N	E				
11	N	e	12	50	20	20	2.5		+		U.S.C.G.S.: 36°S, 78°E			
	N	e		59	15							-		
	N	M F	13	16	08 31 -									
16	NE	Slight effect from 20h to 22h but no definite phases recorded.									U.S.C.G.S.: 21 ¹ / ₂ °S, 169°E			
18	E	iPP	20	11	47	25	30E) 9N)	93.4° 10380Km	-	+	U.S.C.G.S.: 15 ¹ / ₂ °N, 120 ¹ / ₂ °E			
	NE	i		11	52									
	E	i		13	22									
	NE	iSKS		18	21									
	NE	iSKKS		18	57									
	N	i		19	59									
	NE	eSS		25	02									
	NE	eL		38	30									
NE	M		44	17										
	F	21	43	-										
19	E	e	14	01	46						U.S.C.G.S.: 23 ¹ / ₂ °S, 179°E			
	E	e		10	51									
	E	e F		23	21 58 -							Very little effect on N-S		
19	E	e	15	18	56	20	22	91.3° 10145 Km	+	+	U.S.C.G.S.: 15°S, 70 ¹ / ₂ °W			
	N	i		19	46									
	E	i		22	13									
	N	i		23	23									
	NE	iSKS		29	10									
	NE	i		30	51									
	NE	iPPS		31	46									
	E	eSSS		40	36									
	NE	L		44	10									
	E	M		55	11									
N	M		56	01										
	F	18	00	-										
20	E	i	03	04	23			107° 11890Km	-	+	U.S.C.G.S.: 6°S, 110°E			
	E	iSKS		05	16									
	N	iSKKS		05	53									
	E	iPS		07	36									
	N	iSSS		18	04									
	F		27	-										
21	E	e	09	48	50	17	2				U.S.C.G.S.: 19°N, 68 ¹ / ₂ °W			
	E	M F		56	03 10 03 -							No effect on N-S		
21	E	iS	12	51	28	20	4		+		U.S.C.G.S.: 16°N, 98°W			
	E	e		56	14									
	E	L	13	14	00									
	E	M F		17	55 36 -							Obscured by overlapping on N-S		
22	N	ePP	19	37	53				+	+	U.S.C.G.S.: 53°N, 153°E			
	E	e		40	06									
	NE	i		42	30									
	N	i	20	01	30									
	E	i F		13	30 42 -									

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No.	Compt.	Phase	Time G.M.T.			Period sec.	Ampl. μ	Δ° km.	Dir ⁿ of Motion	Remarks Time of origin
			h.	m.	s.					
22	NE	ePP	23	23	12			N E		
	NE	e		24	45			- -		
	NE	ePPP		25	48		124.3 ^o	+ +	U.S.C.G.S.:5 ^o S,152 ¹ / ₂ ^o E	
	NE	eSKKS		30	22		13810 Km	- -		
	NE	ePS		33	10			+ +		
	E	e		34	58			+ +		
	N	e		43	03			+ +		
	N	L	24	01	30					
	N	L		04	10					
	N	M ₁		12	43	20				
	N	M ₁		13	05	20		5		
	N	M ₂		19	04	20		8		
	N	F ₂	25	27	-					
	N	i	01	39	53					
	NE	e, is		43	55		72.7 ^o	+ +	U.S.C.G.S.:41 ^o N,125 ¹ / ₂ ^o W	
	E	eSS		48	44		8080 Km	+ +	T = 01h 23m	
	N	eSSS		51	50			+ +	^o eN 48m 40s	
	NE	L		57	-			-		
	E	M ₁	02	02	53	17				
	N	M ₁		03	03	15		10		
	N	M ₂		05	10	15		3		
	N	M ₂		06	42	15		9.5		
	N	F ₂		43	-			4		
	E	eS	17	17	06					
	E	L		22	04			+ +	U.S.C.G.S.:41 ^o N,27 ¹ / ₂ ^o E	
	E	M		26	00	13			Light failed on N-S	
	E	F		41	-					
	E	e	20	12	48					
	E	i		17	29			- +	U.S.C.G.S.:38 ¹ / ₂ ^o N,70 ^o E	
	E	i		20	16			+ +	Effect on N-S almost negligible	
	E	e		22	00			+ +		
	E	i		23	04			-		
	E	M		27	05	15				
	E	F		36	-			2.5		

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