

SEISMOLOGICAL BULLETIN

KING'S COLLEGE OBSERVATORY, ABERDEEN

DECEMBER, 1959

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

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

No.	Mass		Damping Ratio		Magnification		1" Tilt		Date from which constants apply		
	1 lb.	To	20 : 1	20 : 1	150	150	18.1 mm.	19.0 mm.	E-W	N-S	
	1 lb.	10 sec.	20 : 1	20 : 1	150	150	18.1 mm.	19.0 mm.	E-W	1.11.58	
	1 lb.	10 sec.	20 : 1	20 : 1	150	150	18.1 mm.	19.0 mm.	N-S	1.11.58	
Compt.		Phase	Time G.M.T.			Period	Ampl.	Δ°	Dir ⁿ of Motion		Remarks
			h.	m.	s.	sec.	"	km.			Time of origin
Dec. 1	E E E E E	iP e iS e F	12	44	06 47 31 28 12			24.7° 2745 Km	N	E - + + -	U.S.C.G.S.: 38°N, 2172°E T ₀ = 12h 38 ^m 44 ^s
2	E E E E E E E E	iPS iPPS eSS i e e L M F	10	02	13 14 08 08 56 14 55 19 08 28 26 38 22 57	25	35			+ - + - + +	U.S.C.G.S.: 1°S, 123°E Obscured by microseisms
12	E E E E	i e i M F	20	11	36 06 28 51 14	10	1.5			+ + -	B.C.I.S.: 35 ³⁴ °N, 3 ⁴ °W Very slight effect
14	E E E	L i M F	22	47	30 54 48 06	16	9			+	U.S.C.G.S.: 52 ¹² °N, 168°W
14	E E E E E E E E	eP ePKP iPS iPPS iSS e L M ₁ M ₂ F ₂	23	37	47 36 31 44 09 25 50 41 08 -	20 17	33 40	117° 13000Km		- + + + + +	U.S.C.G.S.: 59 ¹² °S, 31°W
15	E E E E E	i i i i M F	00	52	00 20 36 36 26 -	18	13			- + - +	

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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.					
21	E E E E E E E E E	iPP i iS iSS i L M ₁ M ₂ F	11	31	35 58 34 31 03 - 41 38 -	25 18	48 47	59.4° 6600Km	N E - + + - -	U.S.C.G.S.: 14°N, 52°E
22	E	eLM	17	48	- -57-					U.S.C.G.S.: 37 ¹ / ₂ °N, 141 ¹ / ₂ °E
27	N NE E N N E N E N E	i iS iPS i iSS e L M ₁ M ₁ M ₂ M ₂ F	16	12	28 38 53 05 16 18 38 37 13 31 -	22 22 18 15	39 33 24 19	66.5° 7390Km	+ - - + + + +	U.S.C.G.S.: 56°N, 162 ¹ / ₂ °E T ₀ = 15h 52m 54s
23	NE E E NE E E N	i i i i,e M ₁ M ₂ M F	07	41	10 35 23 15 56 36 16 -	20 18 15	16 15.5 7		+ + - - + +	U.S.C.G.S.: 52 ¹ / ₂ °N, 160°E Obscured by microseisms

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