

## SEISMOLOGICAL BULLETIN



No.	Date	App.	Phase	G.M.C.T			Period	Amplitude			Remarks
				h	m	s		A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>	
54	June 18	W	$\epsilon_z$	10	26						
			$\epsilon_E$		30.6						
			L	11	04						
			EM <sub>E</sub>		18						
			M <sub>E</sub>		21		20				
			F	13							
55	June 22	W	eP <sub>EZ</sub>	00	37	39					
			eS <sub>Z</sub>		39	10					
			$\epsilon_{SE}$			31					
			M			51	3				
			F		52			25	20	15	Rather deep focus type Pg etc. do not exist. Kasima-Nada, Japan
56	June 22	W	M	13	48						
57	June 26	W	e <sub>E</sub>	19	23	34					
			e <sub>E</sub>		27	17					
			F		45						
58	June 29	W	$\epsilon P_z$	18	18	05					
			L <sub>E</sub>		21	11					
			F		33		20				
59	July 10		$\epsilon P_z$	07	47	35					
			eS		49	57					
			L		50.7						
			F	08	40						
60	July 12		eP	04	23	54					
			eS		29	04					
			F		30						
61	July 21		$\epsilon P_z$	12	46	57					
			eS <sub>H</sub>		52	39					
62	July 25	W	iP	08	25	36.8					
			iS <sub>H</sub>		26	23.0					
			eS <sub>Z</sub>								
			m								
			L <sub>Z</sub>		27	46					
			eS <sub>eS</sub>		38	57					
			F		46						
63	July 27	W	iP	00	32	14.9					
			iS <sub>H</sub>		33	19.4					
			F		37						
64	Aug. 12	$\hat{O}$	S?	03	38	20					
			M <sub>N</sub>		50.2						
			F	04.5							
65	Aug. 14	W	$\epsilon P$	04	46	07					
		"	ePR		47	48					
		"	eS <sub>H</sub>		51	17					
		$\hat{O}$	L <sub>N</sub>		56		33				
		"	M <sub>N</sub>		58	12	15				
66	Aug. 14	W	eP	04	56	18					
			F	05	30						
67	Aug. 21	W	$\epsilon P$	04	19	01					
			eS		21	43					
			F	05.0							
68	Aug. 22	W	$\epsilon P$	11	17	01					
			eS			42					
			eS			58					
			m		18	14	5.2		80		
			EM <sub>E</sub> .		19	43					
			M			57	9				
			F		40			100			
69	Aug. 24	W	iP	12	15	16					
			eS		19	10					
70	Aug. 24	W	iP <sub>Z</sub>	13	18	42					
71	Sept. 3	W	iP <sub>Z</sub>	12	01	28					
		"	eS		03	47					
		$\hat{O}$	L		04	18	24				
		"	EM			49					
		"	M		05	04	5				
		"	F	12.5				40	40		
72	Sept. 5	W	e	03	10	53					
			$\epsilon S$		14.1						
73	Sept. 5	W	eP	22	21	28					
			eS			40					
74	Sept. 9	W	eP	00	33	36					
		L	eS			52					

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75	Sept. 10	W	P S L	01	46 52 55.2	16 10	s	μ	μ	μ	
76	Sept. 23	W	eP i i eS <sub>H</sub> m eScS F	14	24 26 36 15	53.0 56 57 59.5 05 57	3.0	30	30	30	44.°8N, 138.°2E h=ca. 300km Δ=11.°8
77	Sept. 26	W	P S F	19	33 43.4 20.6	14					
78	Sept. 29	W	S	03	44	04					
79	Sept. 29	W	M	04	46						
80	Sept. 29	W	P S F	06	49 50 51	49 01					
81	Sept. 29	W	eP <sub>H</sub> eS <sub>H</sub> L F	17	50 54 56 18	58 40					
82	Oct. 1	W	P S F	06	42 44	05 31					
83	Oct. 1	W	iP <sub>Z</sub> iS <sub>H</sub> F	15	10 11 19	00 25					Deep focus
84	Oct. 5	W	εP eS <sub>H</sub> F	03	22 24	16 33					
85	Oct. 6	W	iP <sub>Z</sub> eS <sub>H</sub> iS <sub>H</sub> F	05	02 03 14	18.5 17 22		-	+	+	
86	Oct. 9	W	ε F	12 13	56 24						
87	Oct. 14	W	P S F	12	38 39 46	15 11					
88	Oct. 16	W	P S	12	17 24	02 12					
89	Oct. 25	W	iP S eScS F	17	05 08 16 13	36.2 18 49		-	-	+	Deep focus
90	Nov. 3	W	eP e S? e F	19	47 47.8 50 51 20	14 48 44					
91	Nov. 6	W	eP <sub>Z</sub> S	01	33 34	50 10					
92	Nov. 6	W	e	04	10	35					
93	Nov. 8	W	P S F	19	33 34	01 15					
94	Nov. 13	W	iP iS m iScS F	04	49 51 57 01 30	25.5 21.0 24 59 34	6,5,3	+40 -250 250	+10 +30 220	-50 150	43.°5N, 136.°2E h=ca. 300km Δ=10.°2
95	Nov. 17	W	P S M	20	12 13	28.5 08.0 10		+3 40	+4 30	+7 10	種々島附近 Felt slightly 高知市微震 M. Miyamoto

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								A <sub>E</sub>	A <sub>N</sub>	A <sub>Z</sub>					
96	Nov. 26	W	eP	h	m	s	3	μ	μ	μ					
			eS	04	26	39									
96	Nov. 26	W	M <sub>1</sub>				9	50	50						
			M <sub>2</sub>												
			F												
				05	00	21									
97	Nov. 27	W	εL <sub>E</sub>	03	42										
98	Nov. 29	W	eP	20	15	34					日向灘				
98	Nov. 29	W	eS			56					宿毛町				
											微震				
99	Dec. 1	W	eP	17	42	37					140°28' E; 36°24' N (C.M.O.)				
99	Dec. 1	W	L		44.1										
			F		48										
100	Dec. 4	W	eP	08	17	52	23								
100	Dec. 4	W	e		19	00									
			eL		23	08									
100	Dec. 4	W	F	11	00										
101	Dec. 4	W	ε	22	43										
102	Dec. 5	W	iP	00	20	27.0	2 <sup>s</sup>	-10	+3	+20	Deep focus				
102	Dec. 5	W	iS <sub>H</sub>		21	18.5		7	10			137.0E; 33.7N (C.M.O.)			
			m		25							熊野灘			
102	Dec. 5	W	F												
103	Dec. 9	W	eP <sub>Z</sub>	04	19	56					北丹一海部附近				
103	Dec. 9	W	iS <sub>N</sub>		20	23									
			iS <sub>GE</sub>		25	27									
			F												
104	Dec. 9	W	eP	04	56	16	0.4	-	+		高知一矢田部崎				
104	Dec. 9	W	iS <sub>H</sub>		22	35		30	10			高知市			
			m									微震			
104	Dec. 9	W	F		59										
105	Dec. 12	W	eP	21	43	52									
105	Dec. 12	W	eS		44	38									
			F		45										
106	Dec. 21	W	εP <sub>Z</sub>	06	21.6										
106	Dec. 21	W	M		46.1										
			F	16											
107	Dec. 24	W	eP <sub>Z</sub>	06	37	59									
107	Dec. 24	W	εS		43.9										
			F	07	40										
108	Dec. 24	W	eP	16	47	35									
108	Dec. 24	W	eS		49	41									
			F												
109	Dec. 25	W	eP <sub>Z</sub>	02	10	36	21	500	200	3300	39°N, 96°E 中華民國-廣州近傍				
109	Dec. 25	W	S		15	34						66			
			m		16	11						14			
			L		17	39						15.7			
			M		22	12						13	2000	4000	
			M <sub>Z</sub>		22	18						17	1000	4000	
			M		22.7										
			M		22.2										
F	04.5														
110	Dec. 26	W	ε	21	11.8										
111	Dec. 26	W	iP	22	34	33					父島南々東沖				
111	Dec. 26	W	iS <sub>E</sub>		37	03									
			F		45										
112	Dec. 29	W	eP	20	34	57					宮崎一五箇瀬川上流				
112	Dec. 29	W	eS		35	23									
			F		36										

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