



No	Date	Phase		Time (G.M.T.)			Az Tz An Tn Ae Te						△ (Deg.)	Remarks
16	8	P oS	ZNE NE	07 35 20 36 27								6.2	USGS: 17.98N, 176.6W. Fiji Islands region h = 93 km. H = 07 34 05.0 Mag. 4.8 (GS) <i>International Seismological Centre</i>	
17	8	P S	Z ZNE	11 29 04 58										
18	9	P S	ZNE NE	01 33 28 41 44								67	USGS: 6.1N, 123.7E. Mindanao, Philippine Islands h = 548 km. H = 01 23 26.9 Mag. 5.7	
19	9	iP	ZNE	09 14 57								1.5	une USGS: 14.8S, 173.0W. Samoa Islands region Felt (VI) at Apia h = 33 km. N H = 09 14 40.6 Mag. 6.4 (PAS), 6.0 MB 6.2 MSZ (GS)	
20	9	P S	ZNE ZNE	13 35 55 37 32								7.6	USGS: 18.0S, 178.6W. Fiji Islands region h = 635 km. H = 13 34 04.1 Mag. 5.1 (GS)	
21	10	P S	ZNE ZNE	12 24 43 25 05										
22	10	iP S	ZNE ZNE	13 27 13 45								3.2	une USGS: 16.3S, 174.0W. Tonga Islands h = 59 km. H = 13 26 24.4 * Mag. 4.6 (GS)	
23	10	iP S	ZNE ZNE	16 31 23 40									u	
24	11	P S	ZNE ZNE	04 29 09 23										
25	11	eP S T	Z ZNE ZNE	22 29 16 49 42 32 42										
26	12	P S L	ZNE ZNE ZE	13 13 40 17 39 19	1.7	1.2						21.4	USGS: 12.0S, 166.4E. Santa Cruz Islands h = 53 km. H = 13 08 53.9 Mag. 5.3 MB 5.3 MSZ (GS)	
27	13	P S T	Z ZNE ZNE	08 52 20 46 37 54 37										
28	13	P e(S)	ZNE ZNE	17 17 45 19 16										
29	13	eP eS	ZNE NE	22 53 49 54 58										
30	14	P S	Z ZNE	22 48 16 29										
31	15	P S	ZNE NE	01 10 08 11 12								6.1	USGS: 17.9S, 176.5W. Fiji Islands region h = 77 km. H = 01 08 50.5 Mag. 5.1 (GS)	

No	Date	Phase		Time (G.M.T.)			Az Tz An Tn Ao Te						△ (Deg.)	Remarks
32	15	P S	ZNE ZNE	04 30	28 48	02 48						16.5	USGS:29.0S, 178.6W. Kermadec Islands h = 200 km. H = 04 24 28.8 Mag. 5.2 (GS)	
33	15	P S	ZNE ZNE	10	51	39 57								
34	15	P eS	ZE NE	13	45 46	14 15								
35	15	P S	ZNE ZNE	19	03 05	23 31						12.3	USGS:24.8S, 177.5W. South of Fiji Is. h = 102 km. H = 19 00 46.2 Mag. 4.6 (GS)	
36	15	P (S)	ZNE NE	22	15 17	07 19								
37	16	P S	ZNE ZNE	02	07 08	24 58						8.6	USGS:20.3S, 177.9W. Fiji Islands region Felt on Lau Islands h = 550 km. H = 02 05 26.8 Mag. 4.5(GS)	
38	16	P S	ZNE ZNE	07	21	22 43								
39	17	P S	ZNE ZNE	05	03 05	01 15						12.8	USGS:23.5S, 179.3E. South of Fiji Islands h = 435 km. H = 05 00 08.0 * Mag. 4.8 (GS)	
40	17	eS eSS eLq eLr	NE E N E	06	00 06 16 20	00 00						94	USGS:5.3N 95.9E. Northern Sumatra h = 17 km. D H = 05 35 17.8 Mag.5.6MB 6.2MSZ(GS)	
41	17	iP eSS eL	ZNE N E	07	48 55 57	33.8 44	4.5	1.2				32.6	u USGS:7.0S, 155.8E. Solomon Islands h = 67 km. H = 07 42 06.7 Mag. 5.8 (GS)	
42	17	P S	ZNE ZNE	11	52 53	51 08						2.1	USGS: 15.0S, 173.6W. Tonga Islands h = 40 km. G H = 11 52 22.4 * Mag. 4.9 (GS)	
43	17	P S	ZNE ZNE	13	44 46	14 12						11.4	USGS:22.2S, 179.8W. South of Fiji Is. h = 618 km. H = 13 41 49.5 Mag. 4.9 (GS)	
44	18	P	ZNE	00	30	14						37.5	USGS:5.1S, 151.3E. New Britain region h = 125 km. H = 00 23 11.3 Mag. 5.5 (GS)	
45	18	P S	ZNE ZNE	03	29	09 34								
46	18	P S	ZNE ZNE	04	39	13 32								

No	Date	Phase	Time (G.M.T.)							$\Delta$ (Deg.)	Remarks		
				Az	Tz	An	Tn	Ae	Te				
47	18	P S	ZNE ZNE	05 05	05 06	39 05							
48	18	P S T	ZNE ZNE ZNE	11	43 44 48	53 46 28			4.5	USGS:17.9S, 173.6W, Tonga Islands h = 34 km. H = 11 42 46.5 * Mag. 5.0 (GS)			
49	19	P S	ZNE NE	02	19 23	32 56			22.9	USGS:11.8S, 164.8E. Santa Cruz Islands region h = 33 km. N H = 02 14 29.6 Mag. 5.8 (BRK), 6.0 MB 5.8 MSZ (GS)			
50	20	P S	ZNE ZNE	01	19	09 26							
51	20	iP S	ZNE ZNE	12	15	04 31				u			
52	21	P S	ZNE ZNE	02	37 38	58 20							
53	21	P pP PP S SS SSS	ZNE Z NE NE NE E	11	04 05 07 13 17 21	51 14 40 36 28 08			72	USGS:51.9N, 151.6E. Sea of Okhotsk h = 554 km. D H = 10 54 17.7 Mag. 6.4 MB (PAS), 6.0 (GS)			
54	22	eP S	ZNE ZNE	00	45	13 41							
55	22	P S	ZNE ZNE	03	39 41	37 12							
56	23	P S T	ZNE ZNE ZNE	06	15 17	10 36 20							
57	23	P S T	ZNE ZNE ZNE	06	54 55 07	44 44 10							
58	23	eP	Z	09	53	58			20.1	USGS:21.0S, 168.5E. Loyalty Islands h = 33 km. N H = 09 49 27.2 Mag. 4.2 (GS)			
59	24	P S L	ZNE NE NE	15	02 07 08	53 12			24.6	USGS:10.7S, 163.3E. Solomon Islands h = 33 km. N H = 14 57 35.0 Mag. 5.6 MB 5.7 MSZ (GS)			
60	25	P S	ZNE ZNE	17	35 37	09 31			13.9	USGS:24.6S, 179.0E. South of Fiji Islands h = 541 km. H = 17 32 19.0 * Mag. 4.5 (GS)			
61	25	iP S eLr	ZN NE E	23	30 37 45	39.4 20			46.6	u USGS:4.1S, 142.0E. Papua, New Guinea Felt VI in Green River Area h = 115 km. D H = 23 22 21.7 Mag. 6.8 (PAS), 6.6 (GS)			



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No	Date	Phase		Time (G.M.T.)			Az Tz An Tn Ae Te						△ (Deg.)	Remarks
62	26	P	ZN	05	40	58								
		S	ZN		41	32								
63	26	iP	ZN	15	57	09.4						2.6	d USGS:16.3S, 172.5W. Samoa Islands region Felt (V) at Apia. Local Tsunami (75CM) at PagoPago(15CM)at Apia, and 8CM at Suva h = 33 km. N H = 15 56 38.7 Mag.7.3(PAS), 7.6(BRK), 6.4MB 7.8MSZ(GS)	
64	26	P	ZNE	22	01	45						2.4	USGS:15.9S, 172.8W. Samoa Islands region h = 39 km. H = 22 01 09.5 Mag. 4.8 (GS)	
		S	ZNE		02	10								
65	26	P	ZNE	22	18	44						1.7	USGS:15.1S, 173.0W. Tonga Islands h = 33 km. N. H = 22 18 26.4 * Mag. 4.2 (GS)	
		S	ZNE		19	16								
66	26	P	ZNE	22	39	45						2.4	USGS: 15.9S, 172.8W. Samoa Islands region h = 33 km. N. H = 22 39 14.5 * Mag. 5.0 (GS)	
		S	ZNE		40	20								
67	26	P	ZNE	23	51	53								
		S	ZNE		52	24								
68	27	P	ZNE	02	57	42								
		S	ZNE		58	02								
69	27	P	ZNE	03	46	06								
		S	ZNE			40								
70	27	P	ZNE	04	41	31								
		S	ZNE			50								
71	27	P	ZNE	05	05	53								
		S	ZNE		06	16								
72	27	P	ZNE	06	16	53								
		S	ZNE		17	17								
73	27	P	ZNE	10	20	34						2.6	USGS:16.1S, 173.1W Tonga Islands h = 33 km. N H = 10 19 59.5 * Mag. 5.0 (GS)	
		S	ZNE		21	12								
74	27	P	ZNE	11	08	05								
		S	ZNE			27								
75	27	P	ZNE	11	55	30						8.0	USGS:21.5S, 174.0W. Tonga Islands h = 37 km. H = 11 53 45.8 Mag. 5.1 (GS)	
		S	ZNE		56	49								
		T	ZNE	12	03									
76	27	P	ZNE	13	08	17								
		S	ZNE			48								
77	27	P	ZNE	13	57	47								
		S	ZNE		58	07								



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No	Date	Phase	Time (G.M.T.)	Az Tz An Tn Ao Te						△ (Deg.)	Remarks
94	28	P (L)	ZNE NE	15 35 55 45						76	USGS: 8.0S, 175.1E. Bali Island region h = 196 km. D H = 15 24 50.8 Mag. 5.9 (GS)
95	28	P S	ZNE ZNE	18 25 17 33							
96	28	iP S	ZNE ZNE	19 39 51.4 40 20							u
97	28	P S	ZNE ZNE	21 45 08 28							
98	29	P S	ZNE ZNE	00 30 07 32							
99	29	P S T	ZNE ZNE ZNE	02 55 50 56 25 57							
100	29	P ePP eS eSS eLq eLr	Z N NE E NE NE	03 52 28 56 08 04 02 54 08 44 15 18						85	USGS: 56.8S, 68.5W. Drake Passage Felt (V) on Navarino Islands h = 14 km. H = 03 39 43.0 Mag. 6.1MB 6.5MSZ(GS) 6.5(PAS), 6.3(BRK)
101	29	P S	ZNE ZNE	07 36 16 43							
102	29	P S	ZNE ZNE	13 29 58 30 20							
103	29	P S	ZNE ZNE	14 22 14 40							
104	29	P S T	ZNE ZNE ZNE	20 22 44 23 09 25							
105	29	P S	ZNE NE	21 24 28 50						2.4	USGS: 16.0S, 172.7W. Samoa Islands region h = 35 km. D H = 21 24 01.3 * Mag. 4.9 (GS)
106	29	P S	ZNE NE	21 34 51 35 20						2.7	USGS: 16.5S, 172.4W. Samoa Islands region h = 33 km. N H = 21 34 22.4 * Mag. 4.6 (GS)
107	29	P S	ZNE NE	21 45 43 46 04						2.6	USGS: 16.2S, 172.6W. Samoa Islands region h = 33 km. N H = 21 45 11.3 * Mag. 4.8 (GS)
108	29	P S	ZNE ZNE	22 26 22 27 33						6.3	USGS: 17.4S, 177.1W. Fiji Islands region h = 388 km. H = 22 24 52.4 Mag. 4.7 (GS)
109	30	P S	ZNE NE	02 30 10 36						2.0	USGS: 15.7S, 172.5W. Samoa Islands region h = 69 km. D. H = 02 29 40.9 Mag. 5.2 (GS)

No.	Date	Phase	Time (G.M.T.)							△ (Deg.)	Remarks		
				Az	Tz	An	Tn	Ao	Te				
110	30	P S T	ZNE ZNE ZNE	04	57	16							
111	30	iP S	ZNE NE	05	03	39					1.7	u USGS:15.5S, 172.3W. Samoa Islands region h = 33 km. H = 05 03 17.6 * Mag. 4.5 (GS)	
112	30	P S	ZNE ZNE	08	14	15							
113	30	P S	ZNE ZNE	09	11	16							
114	30	P S	ZNE NE	09	22	44							
115	30	P S T	ZNE ZNE ZNE	13	00	16							
116	30	P S	ZNE ZNE	18	29	46							
117	30	P S T	ZNE ZNE ZNE	21	20	36							
118	31	P S	ZNE ZNE	02	30	43							
119	31	P S T	ZNE ZNE ZNE	03	42	00							
120	31	P S T	ZNE ZNE ZNE	05	32	26							
121	31	P S	ZNE ZNE	18	19	05							
122	31	P S	ZNE ZNE	20	44	05							



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## NOTE:

- (i) Trace amplitude (A) are expressed in millimetres and periods (T) in seconds.
- (ii) The small letters in the Remarks column indicate the direction of initial movement. u indicates an upwards ground movement, d a downwards one. n, s, e, and w towards north, south, east and west respectively.
- (iii) \* Readings to be incorporated in the New Zealand Seismological Report for 1975.

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SUPERINTENDENT