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SEISMICITY OF THE NEW GUINEA/
SOLOMON ISLANDS REGION, 1972

I.B. Everingham & S.N. Sheard

DEPARTMENT OF NATIONAL DEVELOPMENT & ENERGY

Minister: Senator the Hon. J.L. Carrick

Secretary: A.J. Woods

BUREAU OF MINERAL RESOURCES, GEOLOGY AND GEOPHYSICS

Director: R.W.R. Rutland

Acting Assistant Director, Geophysical Branch: J.C. Dooley

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Earthquakes which occurred in the New Guinea/Solomon Islands region (0° - 12° S, 130° - 163° E) and intensity data for earthquakes felt in Papua New Guinea are listed for 1972. The level of activity was less than during 1971, when several major earthquakes occurred, but greater than during the 1966-1970 period. One major earthquake with M 6.9 occurred, and twenty-three had magnitudes in the range M 6.0-6.9. No serious damage was caused in the region. The highest level of seismic activity was along the northern area of the Solomon Sea between 151° and 155° E. Intense activity also occurred in smaller isolated areas near the north coast of New Guinea (145° E) and off San Cristobal island (162° E). Four deep earthquakes occurred in the subduction zone beneath southern New Ireland and Bougainville. Isoseismal maps have been drawn for seven of the most strongly felt earthquakes in Papua New Guinea. The maximum intensities of these earthquakes were MM VII (18 January), MM VI-VII (28 April, 5 May, 17 August, 28 October), MM VI (30 October) and MM VII (5 November). The magnitude frequency relation for 1972 was: $\log N = 6.90 - 0.94M$

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INTRODUCTION

The New Guinea/Solomon Islands region (lat. 0° - 12° S, long. 130° - 163° E) is in a pronounced zone of seismicity surrounding the Pacific Ocean. Each year the energy released by earthquakes in this region is, on average, about seven percent of the Earth's total. The main tectonic units and the zones of shallow seismicity, in which about 70 percent of the earthquakes happen, are shown in Figure 2. Structure and seismicity have been described by Thompson & Fisher (1965) and Denham (1969).

The Australian Bureau of Mineral Resources, Geology and Geophysics (BMR) has been particularly interested in the seismicity of this region since BMR established a Geophysical Observatory at Port Moresby in 1958. Subsequently, seismograph and accelerograph networks have been set up and BMR has published results of routine and special seismological studies. In October 1978 the observatory was handed over to Papua New Guinea, which had been an independent country since September 1975. However, BMR continues to report on the work carried out during the period BMR operated the observatory, and this is one such report.

In order to provide up-to-date earthquake statistics and to keep abreast with the large amount of seismicity and earthquake intensity data being recorded in the Papua New Guinea/Solomon Islands region, BMR has made extensive use of computerised storage and retrieval systems (e.g. Denham & Byrne, 1969) to produce annual reports containing analyses of the local seismicity and descriptions of earthquake damage. This report describes the seismic activity for the year 197 and in general it follows the form of the previous reports (Denham, 1971, 1974; Everingham, 1977a) which covered the same region for 1967-1969.

Data on seismicity of the region for other earlier periods can be found in Gutenberg & Richter (1954), Brooks (1965), Denham & others (1968), Rothe (1969), Curtis (1973), Everingham (1974) and in publications by the US Department of Commerce (ERL) and by the International Seismological Centre (ISC).

Details of 1972 earthquake fault-plane solutions and accelerograph data are not presented here, as they will be discussed elsewhere. However, sources of available data are listed or referred to.

Unfortunately, there were no facilities in Papua New Guinea for the routine gathering of felt-reports or studies of particular earthquakes in either Irian Jaya or the Solomon Islands, and in this respect the coverage of the region is incomplete. Because of this the results from Papua New Guinea are emphasised.

There are two important reasons for this study of regional seismicity. The first relates to the economic problems associated with earthquake risk. As Papua New Guinea develops, an increasing amount of money is being invested in capital works. It is therefore important to know where earthquakes are likely

to occur and the likely risk of damage from them, so that steps can be taken to diminish that risk. In Papua New Guinea the risk of earthquake damage was low until the mid 1960s, because of the sparseness of population and the absence of large buildings and structures likely to be seriously damaged by earthquakes. Until then, the only buildings of any significant monetary value were single storey timber houses and small hospitals and churches. However, the considerable increase in development now necessitates Government regulations for earthquake resistant designs for certain zones.

The second reason is to assist in the understanding of the tectonic processes at work in the area. The zones where earthquakes occur identify the regions which are tectonically active and delineate such features as mid-ocean ridges, active faults, and dipping zones associated with deep sea trenches (Isacks & others, 1968). Furthermore, it is possible to make some deductions regarding the properties of the crust and upper mantle by studying where the earthquakes occur and how the energy is radiated from the source (Molnar & Oliver, 1969). Eventually, it is hoped to be able to predict earthquakes, and reports such as this will provide basic data to achieve this end.

TERMINOLOGY

Seismological terms used in this report require brief definition:

- Hypocentre (or focus) - position of initial rupture causing the earthquake.
- Epicentre - point on the surface vertically above the hypocentre.
- Depth (DPH) - depth of hypocentre
- Magnitude - 'size' rating of earthquake independent of place of observation. MS - surface wave determination; MB - body wave (longitudinal wave) determination; ML - local (Richter) magnitude; M - unified surface wave magnitude derived from weighted average of MS and MB and ML and converted to the MS equivalent via standard formulae (see McGregor & Ripper, 1976). In this report values of MS and MB have been obtained from ERL or ISC. M is from Ripper's & Gaull's (1974) Port Moresby Geophysical Observatory report and ML is derived from Wood-Aderson seismograms of the Papua New Guinea network.

<u>Intensity</u>	- degree of shaking at a specified place, given on the Modified Mercalli (MM) scale. Methods used to obtain intensity data in Papua New Guinea have been described by Everingham (1979).
<u>Isoseismal lines</u>	- mapped boundaries between successive intensity ratings.
<u>Magnitude/frequency relationship</u>	- usually given by the equation $\log N = A - bM$, where N is the number of events with magnitude equal to or greater than M for a given area in a given time, A indicates the level of activity, and B relates the number of events with magnitude M to those with M + 1 (Fig. 3).
<u>ERL</u>	- United States Environmental Research Laboratories, previously CGS and NOS.
<u>ISC</u>	- International Seismological Centre, United Kingdom.

SEISMOLOGICAL INSTRUMENTS

Twenty-five permanent seismographs were operated in the New Guinea/Solomon Islands region in 1972. Nine were controlled by the Port Moresby Geophysical Observatory (PMG, KAV, KDB, GKA, LAE, MOM, WAB, PNB, and TLS), two by the Geological Survey of British Solomon Islands Protectorate (HNR, GIZ), one by C.R.A. (Bougainville Copper) at Kieta on Bougainville Island (KOA; later resited at Panguna, PAA), eleven by the volcanological Observatory at Rabaul (RAB, ESA, TBL, LMG, and the Rabaul Harbour network stations RAL, TKA, TAV, VUL, WAN, MPT, and RPT), and one by the Indonesian Institute of Meteorology and Geophysics (JAY). Station details are given in Table 1, and key stations are plotted in Figure 1.

The details of fourteen accelerographs operated in Papua New Guinea are listed in Table 2.

Further detailed information about seismographs and accelerographs is available in Ripper & Gaull (1974).

EARTHQUAKE DATA

The ERL and ISC were the main sources for hypocentral data in this report. The instrumental earthquake data for the region are supplemented by felt-intensity reports from a network of observers established throughout

Papua New Guinea by the Port Moresby Geophysical Observatory and the Rabaul Volcanological Observatory (Dent 1973, 1974). Some of these reports were obtained from questionnaires completed whenever an observer felt an earthquake, and others from questionnaires issued when a large earthquake occurred. Replies from the latter were mainly used to draw isoseismal maps because intensities estimated from the questionnaires were more numerous and also more reliable than those obtained from untrained observers in the field.

Table 3 lists the large, more important, earthquakes for which unified surface wave magnitudes (M) of 6.0 or more have been estimated (Ripper & Gaull, 1974). Table 4 lists earthquakes for which isoseismal maps have been drawn. Table 5 lists earthquakes which triggered accelerographs, and the maximum accelerograms held by BMR, Canberra. Table 6 lists parameters of the 550 earthquakes located in the New Guinea/Solomon Islands region during 1972, and Table 7 includes all the felt-reports for Papua New Guinea.

Figures 1a, 1b, and 1c are plots of all earthquakes recorded by ten or more seismograph stations. (Earthquakes recorded by less than ten stations are generally minor and their hypocentre determinations are less accurate).

Figures 4 to 11 show the intensity data and aftershock zones associated with selected earthquakes in Papua New Guinea. The MM IV isoseismal has been drawn, where possible, to compare distance/intensity/magnitude relations.

EARTHQUAKE ACTIVITY, 1972

The level of seismic activity during 1972 was considerably lower than during 1971, but greater than in the previous few years. For example, there were 206 earthquakes with $M \geq 5.0$ during 1972, 410 in 1971, and 144 in 1970. The average per year from 1967-1970 was 149. One major earthquake (MS 7.1) occurred on 17 August beneath the North Solomon Sea, but only slight damage was reported. Throughout 1972 no serious damage was caused in the Papua New Guinea/Solomon Islands region by earthquakes.

The spatial distribution of the earthquakes shown in Figure 1 followed that of previous years, and all major earthquake provinces were represented. As usual, the highest level of seismic activity was along the northern part of the Solomon Sea between 151° and 155° E (Fig. 9). Isolated zones of high activity were near the north coast of New Guinea, northwest of Madang and off the west coast of San Cristobal in the Solomon Islands.

Four earthquakes with depths greater than 300 km were recorded. All were in the Benioff zone beneath the New Ireland - Bougainville area, where the zone dips steeply northeast under the Pacific Ocean; the deepest, at 506 km, occurred on 1 January.

A plot of magnitude, M , versus frequency (Fig. 3), showed a 'b' factor of 0.94 in the magnitude range $M = 5.0$ to 6.5. This is slightly less than Everingham's (1974) 1900-1972 'b' factor of 0.97 in the MS range 6.2 to 7.9, and significantly less than Everingham's (1977a) value of 1.05 for M 5.0 to 6.4 events during 1969.

More important earthquakes felt in PNG will now be discussed. Local times are used in these discussions because of the relevance to observed effects. ERL data are used unless otherwise stated. Co-ordinates of places referred to in the text may be found in Table 7.

Central Bismarck Sea, 8 January. A swarm of 29 tremors, commencing at 1724 (150° EMT) and in the magnitude range ML 3.2-4.1, was recorded at MOM, but not felt. A strong T-phase was generated by each tremor, indicating that the source of the activity was extremely shallow. Johnson & others (in press) consider that submarine volcanic explosions near 3.0°S 147.8°E were the source of this activity.

Madang area, 19 January: 07 55 16 (150° EMT), depth 23 km, MB 5.7, MS 6.6, ML 6.7. A second earthquake occurred in the same area only 13 minutes later; it was also shallow with MB 5.5, ML 6.7.

The epicentres of the two earthquakes were about 70 km northwest of Madang and their felt effects have been grouped and mapped in Figure 4. The closeness of the epicentres and origin times to each other made it impossible to separate reports of the two shocks. The maximum intensity was MM VII, and the MM IV isoseismal radius is roughly 180 km.

Aftershocks occurred frequently for many months after the principal earthquake, and, as a result, to allay the fears of local inhabitants of a volcanic eruption, R. Cooke of the Volcanological Observatory visited the area during August 1972; he found earthquake effects still visible. These included lateral cracks along the side of the ridge at the edge of Tinami village, a roughly circular collapse feature about 4 m across and 3 m deep, situated on the main lateral crack, and some small areas of disturbed ground (Cooke, pers.comm.)

The principal earthquake and the largest aftershock each triggered the accelerograph at Yonki, where the maximum accelerations were 315 and 200 mm/s², respectively (Denham, 1979).

Aftershock epicentres are plotted in Figure 5. The aftershock zone is nearly vertical, in the depth range 23-58 km, and in plan is elliptical with the major axis of 40 km along and trending north-northwest towards Manus Island.

The zone of aftershocks adjoins and is at right angles to the aftershock zone of a major earthquake which occurred on 31 October 1970 (Everingham, 1975b). Cooke & others (1977) considered that the two earthquake faults may be associated with volcanic activity at Manus and Karkar Islands.

Lae, 20 January: 19 29 43 (150° EMT), depth 33 km, MS 4.9, ML 4.6.

This earthquake occurred about 30 km southeast of Lae, but did not cause any damage, and the maximum intensity reported was only MM IV. However, two accelerographs at Lae were triggered and recorded maximum accelerations of 110 and 140 mm/s².

North Solomon Sea, 29 April: 09 32 10 (150° EMT), focal depth 409 km, MB 6.0, ML 7.4. The hypocentre was deep beneath Buka Island. Forty-four intensity questionnaires were answered (Fig. 6). It is difficult to position the isoseismals accurately, because the shock was deep and the shaking effects were therefore diffuse. The maximum intensity of MM VI-VII was experienced at Maritsoan Plantation, about 150 km northwest of the epicentre. Here, damage to a masonry and concrete structure was reported. The average radius of the MM IV isoseismal is about 250 km.

The Panguna accelerograph recorded a maximum acceleration of about 300 mm/s².

Bougainville, 30 April: 09 06 39 (150° EMT), depth 54 km, MB 5.5, ML 5.2. The epicentre is off the southwest coast of Bougainville, about 90 km west of Buin, where vigorous (MM V-VI) but short-lived shaking occurred.

The Panguna accelerograph recorded a maximum acceleration of about 1200 mm/s² and an S-P interval of 8 seconds.

Southern New Ireland, 6 May: 09 16 28 (150° EMT), focal depth 32 km, MB 5.6, MS 6.6, ML 6.3. This relatively shallow shock, which occurred shortly after the commencement of business, was felt with intensity MM V to VI in the Rabaul area, and in southern New Ireland (Fig. 7). The maximum intensity, MM VI to VII, was noted about 15 km southeast of Rabaul, at Talligap, where water tanks were split and cement posts (probably poorly constructed) cracked. Water tanks were damaged, crockery and other objects on shelves were dislodged, and trees were shaken strongly at distances up to 70 km from the epicentre. The mean radius of the MM IV isoseismal is 200 km.

The earthquake triggered the accelerograph at the Rabaul Observatory, where a maximum acceleration of 1920 mm/s² was recorded.

Gazelle Peninsula, 31 July: 03 40 23 (150° EMT), focal depth 44 km, MB 5.3, MS 5.9, ML 6.3. This earthquake had an intensity of MM IV to VI in the Rabaul area and was followed by another slightly stronger shock about 2 1/2 hr later, at 06 13 56 (150° EMT): focal depth 16 km, MB 5.5, MS 6.0, ML 6.6. The epicentres are effectively the same. The maximum intensity of the second earth-

quake was MM VI to VII in the area a few kilometres south of Rabaul township, which was 40 km north-northwest of the epicentre. Many minor aftershocks were also felt.

Damage was minor and very few metal water tanks were split possibly because major earthquakes during July 1971 had resulted in the replacement of weak structures and tanks which were wrecked then.

During the second large earthquake, where intensities were MM V or more, loud sounds, likened to a rolling galvanised iron tank or thunder, were heard, whereas reports of noise during the first earthquake were much scarcer. As shallow earthquakes are known to be noticeably noisier than deeper earthquakes, this tends to confirm the focal depth difference given in the hypocentre determinations.

The Rabaul Observatory accelerograph was triggered on three occasions during the earthquake series, and indicated maximum accelerations of about 245 mm/s^2 , 410 mm/s^2 , and 120 mm/s^2 for events at 0340, 0613 and 0628 (150° EMT), respectively.

North Solomon Sea, 18 August: 09 44 06 (150° EMT), focal depth 10 km, MB 6.4, MS 7.1, ML 7.6. Although this was a major shallow earthquake and felt over a wide area (i.e. over 600 km from the epicentre), it caused negligible damage, because it occurred about 100 km from the nearest land. A minor tsunami was noted at Pomio and Tol, on the southeast coast of New Britain, but as the sea level rose only 0.6 m (Everingham, 1977b) it caused no damage. Intensities are shown in Figure 8.

The intensity in the Rabaul area, MM V, was sufficient to trigger the Rabaul Observatory accelerograph, which recorded a maximum acceleration of 180 mm/s^2 .

A fault-plane solution showed normal faulting with a tensional axis at about 060° . Aftershocks were in an area of 330 km^2 adjoining the southern aftershock areas of the 14 and 26 July 1971 magnitudes MS 8.0 earthquakes described by Everingham (1975a) and to the south of the New Britain-Bougainville trench (Fig. 9). This type of earthquake, described as a 'trench-associated normal-faulting earthquake' by Spence (1977), has been identified near other subduction zones.

Southeast New Britain, 3 September: 16 31 22 (150° EMT), depth 45 km, MB 5.4, ML 6.4, MS 6.2. The earthquake was felt throughout eastern New Britain, but most strongly at Palmalmal (MM VII) and Pomio (MM VI), very close to the epicentre. Significant damage was not reported.

The intensity in the Rabaul area was in the range MM IV-VI, sufficient to trigger the accelerograph at the Observatory. However, a maximum acceleration could not be measured, because of a malfunction.

Southeast Papua, 16 September: 14 15 10 (150° EMT), focal depth 4 km, MB 5.3, ML 5.0. The shock occurred about 20 km north of Safia, near a proposed dam site on the Musa River. No damage was reported. The intensity at Safia, MM V, was sufficient to trigger both accelerographs installed at the dam site. The earthquake's effects and accelerograph data were described in detail by Gaul² (1974). The maximum ground accelerations recorded were 1870 mm/s², at the crest of a ridge above the damsite, and 400 mm/s², at the base of the proposed dam; the difference is a clear example of a feature which is often noted in Papua New Guinea, namely, that intensity on hilltops or ridges is markedly higher than in lower areas; it is attributed to difference in geological and topographical settings of the accelerograph sites.

Ritter Island, 9 October. An earthquake swarm occurred close to the western side of Ritter Island (3.7°S, 143.9°E). The swarm started about 05 30 (150° EMT) and lasted until about 07 41 (150° EMT). Forty tremors with magnitudes in the range ML 2.5 3.9 were recorded (Johnson & others, in press).

On Umboi and Sakar Islands, closest to Ritter Island, villagers felt tremors and heard rumblings during the earthquake swarm. The maximum felt intensity reported on both these islands was MM IV. Davies (1973) investigated the phenomena and concluded that submarine volcanism caused the tremors.

Wau-Eastern New Guinea, 28 October: 12 27 10 (150° EMT), focal depth 2 km, MB 5.9, MS 5.0, ML 5.8. Seismic station LAT, 70 km from the epicentre, recorded twelve foreshocks, all with an S-P interval of about 9 seconds. The largest foreshock (ML 5.1) occurred on 27 October, 20 05 44 (150° EMT), and was felt with intensity MM V at Mumeng and MM IV on the Aseki area.

The main shock was felt as far afield as Port Moresby (Fig. 10). The maximum intensity MM VI was experienced at Wau, where questionnaires revealed that a few landslides occurred, a vehicle jumped off the road, water tanks split, and furniture and small objects shifted. No building damage was reported. In Lae the shock was felt with intensity MM IV and the Lae P & T² accelerograph recorded a maximum ground acceleration of roughly 600 mm/s².

Over 50 aftershocks, S-P of 9 seconds, were recorded at Lae during the three days following the main shock. The magnitude of the three largest was ML 4.7. Fourteen aftershocks were felt by the OIC of Aseki Patrol Post and nine by a resident of Mumeng. Other centres reported aftershocks, but did not document them.

Felt intensities and isoseismals are shown in Figure 10.

Bougainville, 31 October: 02 48 09 (150° EMT), focal depth 50 km, MB 5.8, MS 6.2. The earthquake occurred about 33 km from the western Bougainville coast, during the night.

The damage reported was generally slight. At Torokina, the village nearest to the epicentre, water tanks were split and church vases broken. In Kieta, a water tank was split, small objects shifted, and furniture overturned. In Panguna, the earthquake was felt with intensity MM VI, and the accelograph recorded a ground acceleration of 2940 mm/s^2 .

Figure 10 shows the intensities for this earthquake.

South Bismarck Sea, 6 November: 06 08 03.2 (150° EMT), focal depth 230 km, MB 5.5, ML 6.5. The epicentre is about 50 km due west of Long Island, in the southern Bismarck Sea. Figure 9 shows intensities noted during this earthquake.

An anomalously high intensity, at least MM VII, was felt about 400 km from the epicentre, at Garaina. (Past results show that intensities at Caraina are often higher than normal from earthquakes to the north, presumably because of Garaina's geological setting). Here a plantation manager was unable to steer his motor vehicle, and plantation workers fell over while walking to work. The only damage was the breakage of two factory windows.

An intensity of MM V was felt over a wide area, including Kainantu, Madang, Yonki, Mt Hagen, Goroka, Kundiawa, and Mumeng (Fig. 11). Damage was insignificant. The earthquake was felt with intensity MM IV at Lae. Here, it triggered the Lae C.D.W. and Lae Botany accelerographs, which registered peak ground accelerations of 230 and 290 mm/s^2 respectively.

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TABLE 1. Seismograph stations

Place	Code	Lat. S			Long. E			Elevation (metres)	Foundation
		°	'	"	°	'	"		
Auki	AUK	08	45	42	160	42	12	91	-
Djajapura	JAY	02	30	-	140	40	-	400	-
Esa'Ala (R)	ESA	09	44	18	150	48	51	46	Granite gneiss
Gizo	GIZ	08	06	00	156	50	24	170	-
Goroka (P)	GKA	06	03	30	145	23	30	1634	Alluvium
Honiara (WWSS)	HNR	09	25	56	159	56	50	72	Coral reef
Kavieng (P)	KAV	02	34	24	150	49	00	4	Brown soil
Kobuan	KOA	06	13	27	155	37	08	65	Andesite flow
Konedobu (P)	KDB	09	28	18	147	09	36	35	Eocene cherts
Lae Tech (P)	LAT	06	39	10	147	00	00	72	Alluvium
Lamington (R)	LMG	08	54	30	148	09	00	1200	Unconsolidated ash
Matupit (R)(*)	MPT	04	14	37	152	11	23	2	Unconsolidated ash
Momote (P)	MOM	02	04	28	147	24	41	10	Coral
Panguna	PAA	06	18	02	155	29	28	699	Diorite stock
Pomio (P)	PNB	05	31	30	151	30	30	3	Coral
Port Moresby (WWSS)	PMG	09	24	33	147	09	14	67	Eocene cherts
Rabalanakaia (R)(*)	RAL	04	13	13	152	12	07	91	Unconsolidated ash
Rabaul (WWSS)	RAB	04	11	29	152	10	11	184	Basalt flow
Raluana (R)(*)	RPT	04	17	43	152	12	58	1	Unconsolidated
Tabele (R)	TBL	04	06	05	145	00	41	180	Basalt flow
Talasea (P)	TLS	05	18	35	150	02	41	40	Volcanic soil
Tanaka (R)(*)	TKA	04	20	42	152	10	42	371	Unconsolidated
Tavurvur (R)(*)	TAV	04	13	52	152	13	13	31	Andesite flow
Vulcan (R)(*)	VUL	04	16	58	152	08	45	332	Unconsolidated ash
Wabag (P)	WAB	05	29	41	143	43	42	2032	Clay
Wanliss Street (R)(*)	WAN	04	11	40	152	10	33	25	Basalt flow

(WWSS) Worldwide Standard Seismograph System

(P) Operated by Port Moresby Observatory (BMR)

(R) Operated by Rabaul Observatory

(*) Rabaul Harbour Network

Table 2. Accelerograph stations in Papua New Guinea

Location	Duration of emplacement	Type	Site name	Lat. (°S)	Long. (°E)	Owner
Panguna	Permanent	M02	Panguna 182	06.32	155.49	Bougainville Copper Pty Ltd
Frieda River	Permanent	M02	Frieda River A	04.70	141.80	Carpentaria Exploration Pty Ltd
			Frieda River B			
Lae	Permanent	M02	Botany	06.71	147.00	Commonwealth Dept of Works (VDW)
	Permanent		CDW	06.72	146.99	Bureau of Mineral Resources (BMR)
	Permanent		Institute of Tech	06.67	147.00	Institute of Technology
	From 29.11.72	M02	P & T	06.73	147.01	BMR
	19.9. - 29.11.72	SMA-1	D.C.A.	06.73	146.99	CDW
	6.8. - 29.11.72		P & T	06.73	147.01	CDW
Musa River	4.6. - 6.12.72	M02	Musa River A	09.56	148.67	BMR
	2.6. - 7.12.72		Musa River B	09.56	148.68	BMR
Musa River	From 6.12.72	SMA-1	Musa River A	09.56	148.67	CDW
	From 29.11.72		Musa River B	09.56	148.68	CDW
Rabaul	Permanent	M02	Observatory	04.19	152.17	BMR
	To 9.11.72	M02	Sulphur Creek	04.22	152.19	CDW
	From 9.11.72		Wanliss St	04.19	152.19	
Ramu Damsite	Permanent	M02	Intake	06.23	145.98	CDW
			Yonki	06.25	145.98	
Star Mountains	Permanent	M02	Base Camp	05.21	141.20	Kennecott Pacific Pty Ltd
			Hong Kong	05.21	141.14	
Wewak	Permanent	M02	Wewak	03.59	143.69	CDW

Table 3. Large earthquakes (M 5.9) in the New Guinea/Solomon Islands region, 1972

Day (U.T.)	Mo	Hr	Mn	Sec	Depth	Epicentre		MB	M	No. stns
						Lat.°S	Long.°E			
06	Jan	00	30	17.2	160	04.6	151.8	5.9	6.3	83
07	Jan	06	25	48.4	033	02.1	139.0	5.9	6.0	77
18	Jan	21	55	15.5	033	04.8	145.0	5.7	6.5	67
18	Jan	22	08	12.9	033	04.7	145.0	5.5	6.2	40
19	Jan	15	00	54.2	033	04.7	145.0	5.8	6.4	74
08	Mar	03	45	25.2	033	03.7	131.4	5.9	6.0	82
25	Mar	12	15	29.6	041	03.5	150.1	5.5	6.0	70
28	Apr	23	32	10.2	409	05.1	154.2	6.0	6.9	118
05	May	23	16	27.9	032	04.2	152.7	5.6	6.3	78
30	Jul	20	13	56.1	016	04.6	152.3	5.5	6.1	64
30	Jul	23	17	19.5	057	05.7	130.5	5.9	6.4	93
06	Aug	07	14	46.6	056	11.1	162.0	5.9	6.5	63
17	Aug	23	44	05.9	010	06.0	152.9	6.4	7.2	108
18	Aug	00	23	48.2	008	06.0	152.6	6.0	6.3	47
30	Aug	10	29	51.1	013	03.5	144.9	5.6	6.2	56
03	Sep	06	31	21.6	045	05.6	151.3	5.4	6.0	53
24	Sep	20	09	35.6	033	06.3	131.2	6.1	6.8	51
28	Oct	02	27	10.1	002	07.3	146.7	5.9	6.0	72
30	Oct	16	48	09.4	050	06.3	154.8	5.8	6.4	68
04	Nov	09	47	19.9	085	04.8	144.6	5.6	6.0	77
21	Nov	03	59	08.5	034	06.5	154.5	5.4	6.0	54
04	Dec	17	51	22.4	033	01.5	136.7	6.0	6.0	83
16	Dec	11	30	18.6	079	07.0	155.8	5.8	6.0	50

Table 4. Earthquakes with mapped intensities

Day (U.T.)	Mo	Hr	Mn	Sec	Depth (km)	Epicentre Lat.°S Long.°E		M	Max Int. (MM)	Approx. MM IV Radius (km)
18	Jan	21	55	15.5	33	4.8	145.0	6.5	VII	180
18	Jan	22	08	12.9	33	4.7	145.0	6.2		
28	Apr	23	32	10.2	409	5.1	154.2	6.0	VI	250
05	May	20	10	23.9	119	4.7	153.7	6.3	VII	200
17	Aug	23	44	05.9	10	06.0	152.9	7.2	VI	320
28	Oct	02	27	10.1	2	7.3	146.7	6.0	V-VI	100
30	Oct	16	48	09.4	50	6.3	154.8	6.4	VI	110
05	Nov	20	08	03.2	230	5.4	146.7	5.9	V	310

Note: Max int. - this intensity or greater observed at three or more localities.

Table 5. Accelerograph triggerings, 1972

Day (U.T.)	Mo	Hr	Mn	Sec	Depth (km)	Epicentre Lat. °S Long. °E		M	Station	Max. acc. mm/s ²
*18	Jan	21	55	15.5	033	04.8	145.0	6.5	Yonki	315
*19	Jan	15	00	54.0	033	04.7	145.0	6.4	Yonki	202
*20	Jan	09	29	43	033	06.9	147.2	4.9	Lae, Botany	113
*20	Jan	09	29	43	033	06.9	147.2	4.9	Lae, CDW	140
28	Apr	23	32	10	409	05.7	154.2	6.0	Panguna	300
29	Apr	23	06	39	54	06.5	155.0	5.5	Panguna	1200
*05	May	23	16	27.9	032	04.2	152.7	6.3	Rabaul Obs.	1924
*30	Jul	17	40	22.8	044	04.6	152.3	5.8	Rabaul Obs.	245
*30	Jul	20	13	56.1	016	04.6	152.3	6.1	Rabaul Obs.	408
*30	Jul	20	28	12.0	042	04.8	152.3	5.3	Rabaul Obs.	118
*17	Aug	23	44	05.9	010	06.0	152.9	7.1	Rabaul Obs.	176
03	Sep	06	31	21.6	045	05.6	151.3	6.0	Rabaul Obs.	**
14	Sep	12	46	56.1	048	04.3	153.0	-	Rabaul Obs.	**
*16	Sep	04	15	09.5	004	09.5	146.7	4.9	Musa A	1868
*16	Sep	04	15	09.3	004	09.5	148.7	4.9	Musa B	401
*26	Sep	00	00	07.4	120	04.6	152.2	5.0	Rabaul Obs.	**245
28	Oct	02	27	10.1	002	07.3	146.7	6.0	Lae, P & T	**588
30	Oct	16	48	09.4	050	06.3	154.8	6.4	Panguna	2940
*05	Nov	20	08	03.2	230	05.4	146.7	6.9	Lae, CDW	232
05	Nov	20	08	03.2	230	05.4	146.7	5.9	Lae, Botany	294

NOTE: * Accelerogram digitised by BMR

** Film fogged or jammed

TABLE 6. EARTHQUAKES IN THE NEW GUINEA/SOLOMON ISLANDS REGION, 1972

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn	
									CGS Body wave	Surf wave	Other sources		Richter/ Local
72	01	01	01	44	12.4	5.430S	153.090E	47	4.40				16
72	01	01	10	15	48.0	4.618S	155.235E	506	5.20				69
72	01	01	14	04	43.0	4.940S	153.290E	54					17
72	01	01	19	33	31.0	4.970S	153.350E	55					17
72	01	02	00	55	45.8	6.020S	146.990E	197					5
72	01	02	16	42	03.5	6.390S	147.870E	70					6
72	01	04	08	24	49.1	6.399S	154.949E	062	4.80		4.80 ML RAB		24
72	01	05	16	02	41.1	6.370S	152.270E	00					6
72	01	06	00	30	17.2	4.576S	151.841E	160	5.90		6.50 ML PMG		83
72	01	06	02	36	57.4	4.960S	152.300E	106					7
72	01	07	06	25	48.4	2.130S	138.978E	033	5.90	5.9	6.00 PAS		77
72	01	07	17	14	37.4	1.865S	139.132E	033	4.80				19
72	01	08	04	03	18.0	3.821S	140.022E	037	5.00		5.00 ML RAB		21
72	01	09	10	24	00.0	4.300S	152.710E	118					8
72	01	10	05	23	47.0	6.270S	151.730E	00					8
72	01	10	23	23	58.8	5.810S	150.430E	151					5
72	01	11	10	08	47.8	5.690S	152.470E	00					7
72	01	11	17	54	24.5	4.760S	152.600E	00					7
72	01	12	01	26	03.6	5.770S	148.890E	181			4.80 ML PMG		8
72	01	12	13	59	56.4	7.946S	130.356E	004	5.30				17
72	01	14	11	26	56.6	4.500S	152.480E	00					7
72	01	18	21	55	15.5	4.780S	145.039E	033	5.70	6.6	6.70 BRK	6.60 ML PMG	67
72	01	18	22	08	12.9	4.692S	145.026E	033	5.50	6.40 PAS	6.60 ML PMG		40
72	01	18	22	43	13.6	4.854S	145.027E	036	4.70				15
72	01	19	02	58	47.9	4.754S	145.035E	033	5.20		5.50 ML PMG		28
72	01	19	03	47	02.6	4.804S	145.035E	033	5.10		5.70 ML PMG		43
72	01	19	06	32	08.4	6.594S	153.118E	020	4.70		5.10 ML PMG		15
72	01	19	08	16	23.2	4.631S	145.235E	033	4.90		5.10 ML PMG		18
72	01	19	15	00	54.2	4.702S	144.974E	033	5.80	6.4	6.50 PAS	6.40 ML PMG	74
72	01	19	20	23	40.4	4.821S	145.062E	023	4.80		5.00 ML PMG		13
72	01	20	01	49	23.5	4.812S	145.136E	033	4.50		5.10 ML PMG		18

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	01	20	05	34	42.7	4.636S	144.972E	033	4.90		5.10 ML PMG	15
72	01	20	09	29	43.	6.900S	147.200E	33	4.9		4.60 ML PMG	0
72	01	20	19	44	22.9	4.993S	145.227E	036	4.60		4.90 ML PMG	16
72	01	20	21	02	26.0	4.950S	145.163E	038	4.90		5.10 ML PMG	20
72	01	21	02	07	40.8	4.896S	145.312E	075	4.90		5.00 ML PMG	14
72	01	21	05	53	01.6	4.807S	145.099E	051			4.50 ML PMG	9
72	01	21	10	45	33.3	4.975S	145.030E	037			5.00 ML PMG	9
72	01	21	12	33	44.8	4.606S	145.277E	033				6
72	01	21	14	49	12.3	5.212S	145.036E	042				11
72	01	22	03	53	07.2	4.970S	145.222E	006			4.90 ML PMG	10
72	01	22	15	38	14.1	4.668S	145.084E	042	4.80		4.60 ML PMG	9
72	01	22	18	41	25.5	4.588S	145.031E	022	5.60		5.40 ML PMG	28
72	01	22	19	52	44.3	4.685S	145.034E	033	5.30		5.20 ML PMG	23
72	01	22	21	28	46.1	2.617S	138.514E	033				9
72	01	23	01	46	07.2	4.331S	144.970E	041			5.10 ML LAT	10
72	01	24	05	17	00.7	3.526S	151.283E	012	5.80			9
72	01	24	07	59	14.9	3.551S	151.330E	014	4.30			9
72	01	24	13	22	28.3	4.841S	145.161E	028			4.80 ML PNG	11
72	01	24	15	15	26.1	3.691S	151.971E	006	5.30		5.40 ML PMG	28
72	01	24	17	05	27.9	4.439S	152.352E	033	5.00		5.00 ML RAB	12
72	01	25	16	01	38.3	4.690S	145.014E	051	4.90		5.30 ML PNG	13
72	01	26	08	53	07.3	6.087S	154.118E	060				14
72	01	27	10	19	51.6	5.305S	145.171E	053				6
72	01	29	08	35	51.2	5.480S	146.993E	212	4.90			23
72	01	29	08	41	48.5	7.788S	158.303E	078	5.10			30
72	01	29	10	15	07.2	5.954S	152.871E	032	4.70			12
72	01	29	20	34	11.8	5.428S	131.354E	060	5.50			36
72	01	30	01	36	48.0	2.943S	138.851E	059				5
72	01	30	03	25	53.9	5.535S	154.356E	116				9
72	01	30	06	56	28.1	4.728S	145.068E	046	5.00			14
72	01	30	22	56	38.2	5.778S	151.774E	046	4.70			6

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	01	31	23	20	19.3	4.869S	145.829E	062	5.40			9
72	02	01	02	37	24.1	9.811S	160.149E	039	5.40	5.4	5.60 BRK	41
72	02	02	08	15	06.7	6.616S	151.823E	032	5.00			9
72	02	02	15	50	28.5	5.797S	152.787E	019	4.60		5.00 ML PMG	13
72	02	03	08	36	16.6	4.561S	151.795E	168	5.40		5.60 ML PMG	61
72	02	03	14	26	42.9	4.782S	152.935E	069	4.80		4.80 ML RAB	20
72	02	07	10	56	21.2	3.313S	145.316E	033			4.50 ML WAB	7
72	02	09	01	15	07.8	3.477S	141.558E	020	4.60			9
72	02	13	08	42	29.1	5.824S	153.522E	023				19
72	02	13	16	37	06.1	5.876S	153.385E	038				9
72	02	14	19	26	15.1	4.515S	144.842E	026	4.90		5.00 ML PNG	13
72	02	16	15	29	26.9	6.240S	151.862E	045	5.20			33
72	02	17	00	39	09.9	6.123S	151.792E	040	5.50	4.8	5.70 ML PMG	40
72	02	19	07	59	21.3	11.187S	162.626E	060	5.30			48
72	02	19	17	13	24.4	5.061S	153.292E	070	4.40			12
72	02	20	01	09	34.	5.040S	145.090E	93	4.28			10
72	02	20	03	14	28.	7.720S	155.720E	00				5
72	02	20	11	05	30.	3.330S	146.350E	52				8
72	02	20	20	31	38.	6.070S	130.320E	55	4.70			9
72	02	21	05	20	43.	6.460S	147.340E	94				7
72	02	21	06	32	05.3	8.384S	158.815E	088	5.00			15
72	02	21	06	38	43.	3.860S	148.120E	232				4
72	02	21	07	02	29.	7.020S	147.850E	59			5.00 ML PNG	10
72	02	21	10	44	55.	6.120S	131.880E	123	3.91			8
72	02	22	03	11	06.	6.350S	150.610E	00				6
72	02	22	05	49	07.	5.070S	145.130E	00				6
72	02	22	16	54	58.	6.000S	151.810E	62				6
72	02	22	17	26	08.	6.100S	151.830E	21				7
72	02	23	00	13	20.6	5.044S	153.498E	074	4.60			17
72	02	23	07	41	21.2	3.784S	154.062E	438	4.80			37
72	02	23	14	39	34.3	4.904S	151.315E	216	5.00			7

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body wave	Surf wave	Other sources Richter/ Local	
72	02	23	19	05	09.3	8.180S	147.680E	33			4.4 ML PMG	10
72	02	23	20	18	04.	5.210S	145.090E	0	3.70			8
72	02	24	00	29	26.1	4.951S	145.106E	046	4.90		5.70 ML PNG	32
72	02	24	16	04	59.8	8.695S	150.008E	051	4.70		4.70 ML PMG	9
72	02	25	17	57	00.	4.790S	152.510E	72				6
72	02	25	18	24	16.	6.350S	148.470E	109				7
72	02	26	06	48	40.	4.850S	145.110E	0				6
72	02	26	08	12	01.1	5.191S	152.704E	058	5.20		5.20 ML RAB	30
72	02	27	14	08	19.	5.330S	154.560E	128				6
72	02	28	12	28	21.	4.900S	136.030E	75	4.10			6
72	02	28	17	42	01.	4.680S	153.700E	00				5
72	03	02	03	57	52.1	5.619S	147.227E	188	4.90		5.30 ML PNG	24
72	03	02	16	45	33.9	5.109S	145.082E	056	5.10		5.40 ML LAT	23
72	03	03	05	06	59.	7.190S	155.070E	31	4.41			8
72	03	03	23	24	24.	4.850S	145.290E	69				5
72	03	04	23	32	42.	5.350S	144.990E	48				6
72	03	06	06	34	17.2	10.977S	162.374E	062	5.20			34
72	03	06	16	39	39.	5.270S	151.490E	108				7
72	03	06	21	26	46.0	9.610S	152.340E	33				24
72	03	07	09	42	13.	5.890S	153.510E	08				7
72	03	07	12	21	35.	3.500S	145.470E	00	4.85			5
72	03	07	14	01	43.0	6.204S	154.767E	057	4.85			9
72	03	07	20	30	55.	6.300S	150.080E	00	4.70			6
72	03	08	03	31	12.5	6.384S	130.094E	117	5.70			29
72	03	08	03	45	25.2	3.724S	131.387E	033	5.90	5.8		82
72	03	09	08	39	38.	3.370S	134.310E	142	4.22			5
72	03	09	12	41	05.	3.050S	139.570E	92	4.43			8
72	03	10	02	57	57.6	8.089S	156.327E	033	4.80			20
72	03	10	13	44	50.	5.770S	153.090E	72				6
72	03	10	13	56	26.	10.800S	161.610E	00	4.67			7
72	03	11	12	22	46.	7.350S	156.280E	33				7

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	03	12	09	20	04.	2.460S	137.360E	00				6
72	03	13	05	09	50.	5.700S	153.270E	00				4
72	03	14	01	57	17.	7.510S	155.880E	77	4.48			9
72	03	14	09	26	40.	5.590S	152.230E	00				6
72	03	14	11	27	52.	6.580S	146.190E	93				7
72	03	15	05	39	51.2	4.280S	134.451E	029	5.60			11
72	03	16	04	05	36.	5.810S	153.070E	00				5
72	03	17	02	04	35.	5.600S	147.220E	181				7
72	03	18	02	00	03.	4.960S	151.080E	60				7
72	03	18	09	08	17.	5.710S	148.790E	171				5
72	03	18	13	22	29.	6.490S	153.350E	00				5
72	03	19	00	49	06.5	5.559S	152.448E	041	5.50		5.50 ML RAB	35
72	03	19	03	50	52.	5.670S	152.760E	00	4.34			8
72	03	19	05	27	26.8	5.367S	152.689E	048	4.80			21
72	03	19	12	36	38.6	5.145S	151.625E	098	4.90		4.90 ML RAB	26
72	03	19	13	07	44.4	4.889S	153.041E	060	5.00			17
72	03	19	13	19	39.6	5.446S	152.583E	049	5.00			28
72	03	19	14	25	13.	5.580S	152.550E	19				6
72	03	20	02	23	21.1	5.552S	152.449E	034	4.60		4.60 ML RAB	10
72	03	21	23	55	21.5	3.249S	139.032E	033				10
72	03	22	11	17	22.2	3.287S	136.799E	081				7
72	03	22	11	56	40.5	5.587S	147.240E	204				7
72	03	22	14	41	51.1	6.198S	130.080E	091				9
72	03	24	06	36	02.3	10.396S	161.370E	080	4.80			17
72	03	25	00	25	15.0	6.277S	146.471E	128				9
72	03	25	12	15	29.6	3.542S	150.094E	041	5.50	6.4	6.00 PAS	70
72	03	26	05	54	27.7	5.578S	152.450E	042	4.90			18
72	03	28	07	51	15.7	4.852S	152.991E	056	4.80			14
72	03	29	16	13	20.3	4.119S	153.602E	215	5.00			50
72	03	30	23	16	03.3	6.186S	146.264E	116	4.60		4.70 ML PMG	26
72	03	31	00	53	44.4	5.252S	145.267E	054	5.30		5.40 ML PMG	18

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	04	01	13	25	21.2	6.015S	154.420E	058	4.80		5.30 ML PMG	17
72	04	01	23	19	50.4	9.408S	158.469E	030	5.30			29
72	04	02	02	41	22.7	6.525S	155.809E	202	4.90			30
72	04	02	11	32	03.3	6.285S	154.461E	044	5.10		5.00 ML PMG	14
72	04	03	11	43	19.3	4.800S	140.803E	040	5.30			28
72	04	03	18	53	14.0	5.464S	152.383E	068	5.10		4.90 ML PMG	10
72	04	05	09	13	00.0	3.136S	148.755E	004			4.80 ML PMG	12
72	04	06	03	35	15.7	6.550S	149.290E	64			4.5 ML RAB	12
72	04	06	14	36	01.9	5.861S	154.354E	414	5.00			28
72	04	08	10	01	14.3	5.013S	150.977E	157	5.00			41
72	04	08	22	47	19.1	5.778S	152.388E	054	4.80			11
72	04	09	05	43	16.1	5.380S	153.030E	42			5.1 ML RAB	22
72	04	12	01	01	46.7	6.249S	152.398E	011	4.80			9
72	04	12	05	15	46.5	6.320S	152.446E	035	4.90			21
72	04	16	03	57	04.4	6.011S	152.931E	044	4.60			15
72	04	17	13	57	07.2	8.784S	157.623E	035	5.00			7
72	04	17	14	32	06.3	6.852S	154.991E	047	5.20			39
72	04	18	03	26	36.8	8.078S	158.268E	078	4.90			31
72	04	18	18	23	20.3	5.533S	149.303E	189	4.60		5.10 ML PMG	13
72	04	20	03	16	37.3	6.346S	146.226E	129	5.40		4.80 ML PMG	19
72	04	20	11	39	29.6	3.068S	139.689E	024	4.50			15
72	04	23	21	25	00.5	4.903S	153.205E	055	4.70		4.70 ML RAB	20
72	04	25	19	10	05.	5.500S	145.500E	0				6
72	04	26	12	18	45.	5.500S	153.500E	0			5.5 ML RAB	17
72	04	27	03	21	37.0	4.301S	152.764E	137	4.60			16
72	04	27	10	13	07.6	6.013S	152.356E	016	4.80		4.80 ML RAB	13
72	04	28	23	32	10.2	5.079S	154.227E	409	6.00	6.50 PAS	7.40 ML PNG	118
72	04	28	23	59	41.	6.200S	153.400E	0				10
72	04	29	23	06	39.0	6.521S	155.007E	054	5.50		5.20 ML PMG	61
72	04	30	13	39	22.3	6.315S	152.442E	018	5.00		5.00 ML RAB	29
72	05	01	11	33	01.4	5.810S	151.850E	0			4.6 ML RAB	6

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	05	01	13	25	30.3	4.870S	153.690E	110			5.2 ML RAB	26
72	05	01	13	59	20.8	4.950S	153.800E	98			5.5 ML RAB	13
72	05	02	02	11	13.	5.300S	153.500E	0			5.2 ML RAB	13
72	05	03	20	10	23.9	4.712S	153.653E	119				21
72	05	04	00	06	17.0	6.631S	154.251E	038	4.70			10
72	05	05	10	24	09.2	4.950S	153.850E	105			5.4 ML RAB	24
72	05	05	21	37	56.	4.800S	153.900E	0			4.4 ML RAB	5
72	05	05	23	16	27.9	4.162S	152.678E	032	5.60	6.6 6.30 PAS	6.30 ML PNG	78
72	05	05	23	31	30.	4.900S	153.900E					3
72	05	05	23	57	23.8	4.320S	152.580E	0				11
72	05	07	08	50	27.	4.800S	153.230E	63				11
72	05	07	15	59	31.6	4.866S	153.825E	107	3.90			12
72	05	07	16	39	41.8	4.794S	153.779E	103	5.50	6.20 PAS	6.20 ML PMG	49
72	05	07	18	29	34.9	5.100S	153.670E	0			4.2 ML RAB	5
72	05	07	18	57	55.8	4.865S	153.843E	108	4.20			12
72	05	08	06	18	57.8	1.097S	138.354E	033	5.70			40
72	05	08	16	24	17.3	4.702S	153.750E	041	5.50		5.50 ML RAB	27
72	05	08	18	43	09.0	4.610S	152.170E	35				21
72	05	09	04	01	44.6	6.170S	149.070E	67			4.8 ML RAB	15
72	05	09	05	51	47.4	4.833S	153.703E	127			5.50 ML RAB	12
72	05	09	17	44	34.3	4.838S	153.756E	110	4.90			17
72	05	09	21	26	31.7	4.672S	144.722E	124	5.30		5.40 ML PNG	13
72	05	10	04	21	09.8	4.829S	153.830E	111	5.20		5.40 ML PMG	17
72	05	10	05	10	11.7	4.152S	150.226E	033	5.00			16
72	05	10	05	48	22.0	4.058S	150.201E	033	5.50	5.2	5.50 ML RA3	36
72	05	11	05	07	58.9	4.920S	153.180E	0				9
72	05	11	08	00	06.3	3.976S	150.129E	034	5.00			25
72	05	11	20	49	07.6	4.731S	134.129E	039	5.20			25
72	05	12	00	12	26.6	5.064S	153.700E	122	4.30			9
72	05	12	06	16	55.3	4.808S	153.791E	114				14
72	05	13	05	57	07.8	5.655S	151.177E	069	5.10		5.10 ML PNG	28

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body wave	Surf wave	Other sources Richter/ Local	
72	05	14	01	23	25.	9.600S	151.000E	0			4.9 ML RAB	8
72	05	15	01	57	47.0	4.854S	153.751E	111	4.40			10
72	05	15	09	14	50.0	2.529S	138.925E	035				14
72	05	15	19	16	56.6	4.940S	153.780E	103			5.0 ML RAB	21
72	05	17	08	15	39.	9.500S	151.500E	33	3.9		4.50 ML PMG	0
72	05	18	08	34	43.2	6.262S	154.442E	043	4.40			8
72	05	21	05	28	25.	4.800S	153.400E	72			5.1 ML RAB	11
72	05	23	06	36	56.8	4.507S	144.021E	110	5.10		5.20 ML PNG	27
72	05	24	02	55	18.4	10.895S	162.592E	118	4.20			9
72	05	25	02	09	40.	5.500S	145.500E					3
72	05	26	00	21	33.1	6.049S	150.436E	080			5.00 ML PMG	10
72	05	26	09	44	27.0	6.565S	155.050E	056	4.40			13
72	05	27	03	27	10.6	6.165S	147.262E	107			4.40 ML PMG	10
72	05	28	01	40	42.3	5.996S	151.117E	069	5.50		5.10 ML PMG	30
72	05	28	08	27	01.9	3.503S	134.438E	033	4.40			16
72	05	28	09	12	56.9	4.900S	153.030E	0			5.0 ML RAB	6
72	06	02	19	37	11.5	6.340S	149.890E	72			4.5 ML RAB	13
72	06	03	14	51	12.4	6.301S	144.347E	053	4.90		4.50 ML PMG	10
72	06	03	19	20	29.8	6.088S	147.709E	108			4.40 ML PMG	9
72	06	04	19	02	59.2	4.837S	153.833E	108	4.70			15
72	06	11	11	24	18.0	10.200S	161.336E	055	4.70			13
72	06	11	12	02	07.	5.300S	151.800E	0			4.3 ML RAB	4
72	06	11	18	36	49.3	5.502S	146.921E	154	5.20		5.80 ML PNG	40
72	06	13	12	56	52.	6.900S	155.200E	71				10
72	06	14	04	51	55.2	10.322S	161.221E	083	5.40			36
72	06	16	09	36	11.5	6.200S	149.710E	0				7
72	06	16	19	55	42.2	7.100S	155.870E	66			5.9 ML RAB	13
72	06	16	21	30	35.	7.100S	155.900E	67			5.5 ML RAB	7
72	06	17	07	25	04.8	5.653S	147.261E	187	5.20		5.10 ML PNG	13
72	06	17	19	21	43.	8.600S	148.900E	0				4
72	06	18	07	14	46.	4.300S	152.890E	58			5.0 ML RAB	10

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	06	23	04	01	35.	7.100S	147.800E	0			4.2 ML RAB	8
72	06	23	12	46	50.6	4.942S	144.566E	077				8
72	06	24	04	38	48.7	5.996S	146.668E	120			4.40 ML PNG	9
72	06	24	14	57	07.2	6.040S	146.195E	156			4.50 ML PNG	6
72	06	24	18	13	32.0	6.159S	151.612E	046	4.20		4.50 ML PMG	9
72	06	25	04	11	07.	5.200S	153.100E	57				14
72	06	25	05	12	47.1	5.797S	151.751E	076				6
72	06	27	08	17	29.3	4.302S	152.880E	064	4.90		4.90 ML RAB	27
72	06	27	18	56	53.0	5.142S	152.742E	056	4.80		4.80 ML RAB	7
72	06	27	21	22	43.	6.920S	147.700E	59				9
72	06	28	08	36	02.1	5.750S	153.328E	049				9
72	06	28	13	17	24.0	4.635S	153.284E	080	5.70		5.70 ML RAB	10
72	06	29	05	16	06.	9.500S	151.500E					3
72	06	29	16	22	07.5	9.869S	160.052E	040	5.50			48
72	06	30	05	44	48.4	4.962S	144.577E	083	5.20		5.00 ML PMG	39
72	06	30	11	31	20.1	5.641S	132.554E	033	5.50			26
72	06	30	23	46	45.5	3.380S	135.144E	033	4.80			10
72	07	01	08	50	15.2	4.898S	133.936E	025				9
72	07	02	08	50	24.6	6.140S	146.799E	061			4.40 ML PNG	7
72	07	02	09	01	45.6	5.072S	153.573E	067	4.70		5.20 ML PMG	14
72	07	03	13	34	02.5	2.987S	139.387E	058				11
72	07	03	20	15	24.7	6.224S	147.711E	063			4.20 ML PNG	7
72	07	04	15	32	25.4	9.772S	159.379E	063	5.00			31
72	07	06	07	56	57.2	8.358S	146.108E	026			4.00 ML PMG	8
72	07	06	14	05	09.4	10.635S	161.615E	056	4.30			10
72	07	08	06	19	44.9	4.146S	130.916E	033				9
72	07	08	13	08	10.3	5.941S	148.637E	105	5.00		6.30 ML PMG	33
72	07	10	05	03	51.	7.100S	145.900E	0			4.1 ML PMG	6
72	07	10	19	33	49.5	6.323S	130.359E	128	4.70			13
72	07	11	15	46	12.0	6.026S	153.004E	050	5.50		5.30 ML PMG	42
72	07	15	20	57	06.	9.800S	148.900E					3

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn	
									CGS Body wave	Surf wave	Other sources Richter/ Local		
72	07	16	00	01	10.8	9.948S	160.351E	023	5.20				22
72	07	17	04	00	19.5	4.100S	152.530E	0					15
72	07	17	06	20	01.0	5.830S	145.590E	057	4.90		4.70	ML PNG	20
72	07	20	19	27	40.3	3.431S	146.286E	033	5.10		4.80	ML PNG	19
72	07	21	11	19	34.3	6.632S	155.048E	086	4.40		4.40	ML RAB	11
72	07	21	12	27	27.5	5.572S	149.639E	210	5.10		4.80	ML PNG	28
72	07	22	06	03	01.0	6.203S	149.850E	052	4.90		5.20	ML PNG	25
72	07	22	19	47	34.8	5.523S	151.830E	075	4.80		4.60	ML PMG	14
72	07	23	04	58	24.7	5.789S	153.042E	045	4.70				18
72	07	23	18	06	13.0	6.169S	130.480E	158	4.70				9
72	07	25	13	22	13.9	7.085S	147.898E	077			4.00	ML PMG	8
72	07	26	06	56	29.1	8.278S	156.280E	064	4.10				8
72	07	26	16	11	13.1	5.581S	153.143E	035					17
72	07	27	13	23	46.6	6.271S	149.821E	080			4.50	ML PMG	8
72	07	29	16	08	26.7	4.950S	145.027E	052					5
72	07	29	22	34	33.3	3.343S	146.454E	033	4.80	5.3	5.10	ML MOM	25
72	07	30	17	40	22.8	4.614S	152.333E	044	5.30	5.9	6.30	ML PMG	43
72	07	30	18	27	15.	4.770S	152.400E	0					13
72	07	30	20	13	56.1	4.639S	152.297E	016	5.50	6.0	6.60	ML PMG	64
72	07	30	20	28	12.0	4.764S	152.308E	042			5.30	ML PMG	7
72	07	30	20	55	49.2	4.400S	152.500E	54					15
72	07	30	22	17	21.3	4.430S	152.280E	0					10
72	07	30	23	17	19.5	5.684S	130.473E	057	5.90				93
72	07	31	09	28	44.8	6.208S	144.506E	058	4.60		5.30	ML PNG	22
72	07	31	15	35	08.	4.570S	152.400E	0					14
72	07	31	17	11	03.	4.980S	152.500E	0					9
72	07	31	18	42	02.	4.500S	152.210E	0					8
72	08	01	02	24	49.	6.000S	154.940E	67					7
72	08	01	08	44	50.3	5.573S	147.291E	198	4.80		5.40	ML PNG	33
72	08	01	21	06	39.1	3.323S	148.717E	033	4.80		5.40	ML PNG	26
72	08	02	00	33	38.	4.500S	152.200E	0					15

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body wave	Surf wave	Other sources Richter/ Local	
72	08	02	00	35	42.	4.500S	152.300E					5
72	08	02	06	06	00.7	6.046S	152.713E	033	4.80			8
72	08	02	06	54	30.8	4.558S	152.395E	044	5.00		5.40 ML PMG	17
72	08	02	08	01	44.	6.400S	147.900E	60				10
72	08	02	09	42	58.2	11.340S	161.804E	059	4.80			25
72	08	02	09	52	30.4	11.658S	162.005E	044	4.70			8
72	08	02	12	55	17.3	11.501S	162.103E	042	4.70			17
72	08	02	17	16	43.	4.500S	152.500E	0			4.7 ML RAB	12
72	08	03	11	00	43.1	11.071S	161.954E	042	4.50			8
72	08	03	11	18	39.8	5.807S	152.020E	052	4.70		4.70 ML RAB	10
72	08	03	14	28	12.1	11.143S	161.857E	060	4.80			11
72	08	03	15	36	14.2	10.937S	161.926E	034	4.50			7
72	08	03	16	05	21.9	11.268S	162.048E	033	4.60			13
72	08	04	07	17	23.7	11.127S	162.065E	033	4.40	4.9		18
72	08	04	07	24	47.9	11.141S	162.183E	033	4.60			11
72	08	04	20	01	37.7	11.239S	162.052E	034	5.20	6.0	6.00 BRK	55
72	08	04	20	59	22.9	11.461S	162.124E	042	4.60			16
72	08	04	21	05	36.4	11.153S	162.287E	023	4.70			16
72	08	04	21	44	22.6	11.392S	162.208E	039				11
72	08	04	22	30	36.3	11.109S	162.034E	036	5.50	6.1	5.70 PAS	40
72	08	05	00	46	51.2	11.052S	161.908E	063	4.70			8
72	08	05	02	02	53.5	11.364S	162.085E	039	4.60			10
72	08	05	02	06	18.0	11.442S	162.197E	044	4.50			9
72	08	05	02	34	49.7	11.237S	162.070E	030	4.80			16
72	08	05	03	36	34.4	11.067S	162.153E	033	4.70			11
72	08	05	05	17	49.2	11.211S	162.266E	047	4.20			8
72	08	05	05	31	32.4	11.230S	161.925E	033	5.20	6.1		35
72	08	05	06	30	58.8	11.179S	162.130E	033	5.40	6.1	6.00 BRK	45
72	08	05	06	42	59.2	10.130S	151.680E	39	5.1		5.5 ML PMG	32
72	08	05	07	37	33.9	10.315S	151.973E	043	4.60		5.00 ML PMG	8
72	08	05	08	47	20.7	11.223S	162.283E	040	4.80			14

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	08	05	11	28	22.8	11.287S	162.251E	033	4.80			8
72	08	05	20	25	16.7	11.082S	162.121E	044	4.50			11
72	08	05	21	00	49.5	4.670S	145.760E	58				8
72	08	06	06	51	02.7	4.109S	131.465E	021	4.70			17
72	08	06	07	14	46.6	11.088S	162.033E	056	5.90	6.50 BRK		63
72	08	06	10	15	40.4	11.222S	162.010E	067	5.10			33
72	08	06	12	08	23.5	11.265S	162.148E	061	4.70			17
72	08	06	13	58	52.8	11.226S	162.478E	033	4.20			8
72	08	06	15	09	02.9	11.320S	162.426E	044	4.50			12
72	08	06	15	17	33.1	11.173S	162.035E	049	5.20			39
72	08	06	15	25	18.5	11.432S	162.229E	033	4.90	4.7		10
72	08	06	17	43	14.8	11.226S	162.232E	033	4.70			10
72	08	07	08	17	46.8	11.417S	162.119E	033	4.90			12
72	08	08	15	59	36.5	5.246S	151.945E	073	5.00		5.00 ML RAB	20
72	08	08	18	46	01.1	11.461S	162.054E	013	4.90			15
72	08	09	14	32	41.1	10.945S	161.606E	033	5.00			14
72	08	09	15	17	02.1	10.967S	161.371E	033	4.60			9
72	08	09	15	26	56.3	10.836S	161.392E	039	4.80			14
72	08	09	19	05	50.7	10.932S	161.345E	033	4.60			6
72	08	09	19	19	14.6	10.891S	161.518E	036	4.60			8
72	08	09	23	07	48.	6.140S	148.690E	58				12
72	08	10	02	01	46.6	10.752S	161.436E	033	4.50			9
72	08	10	03	09	39.5	10.732S	161.349E	051	4.90			20
72	08	10	06	20	24.1	10.882S	161.511E	029	4.80			8
72	08	11	16	44	16.1	3.482S	130.858E	033	5.10			24
72	08	12	15	03	16.	4.600S	153.100E	119			5.0 ML RAB	9
72	08	12	15	28	36.	8.500S	149.000E					3
72	08	13	04	16	30.0	11.139S	161.498E	033	4.60			28
72	08	13	04	22	28.7	11.099S	161.650E	033	4.90			30
72	08	13	05	51	33.7	10.947S	161.406E	053	5.00			29
72	08	13	06	09	07.4	10.893S	161.215E	068	4.70			17

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	08	14	07	41	35.3	6.360S	147.600E	96				12
72	08	14	22	29	27.6	6.312S	144.422E	044	5.60	5.5	5.80 ML PNG	56
72	08	15	17	15	51.3	10.093S	161.371E	079	5.10			30
72	08	16	16	29	01.6	5.290S	144.860E	41			4.5 ML PMG	7
72	08	16	23	40	29.0	2.548S	138.921E	033	5.30			24
72	08	17	02	08	50.7	8.070S	148.070E	0			3.6 ML PMG	5
72	08	17	16	06	15.6	5.180S	146.010E	0				9
72	08	17	16	55	02.5	5.160S	152.970E	42				18
72	08	17	17	46	40.	4.000S	145.000E					4
72	08	17	23	44	05.9	5.962S	152.902E	010	6.40	7.1	7.00 BRK7.60 ML PMG	108
72	08	18	00	02	20.8	5.855S	152.961E	048	5.30			21
72	08	18	00	23	48.2	6.019S	152.640E	008	6.00		6.00 ML RAB	47
72	08	18	01	12	02.5	6.025S	152.771E	035	5.60			33
72	08	18	01	51	00.1	6.149S	153.046E	018	4.80			18
72	08	18	02	17	29.4	6.130S	152.530E	0				10
72	08	18	02	27	41.2	6.115S	152.530E	033	4.70			14
72	08	18	02	53	16.	6.260S	152.400E	0				7
72	08	18	05	12	39.0	6.265S	152.644E	021	4.90			17
72	08	18	06	20	39.6	6.275S	152.843E	033	4.40		4.40 ML RAB	11
72	08	18	07	20	48.8	6.205S	152.709E	027	4.90			21
72	08	18	07	53	54.4	6.190S	152.794E	033	4.70			18
72	08	18	08	25	37.8	6.107S	152.460E	022	5.10			23
72	08	18	10	19	32.2	6.210S	152.597E	009	5.10			18
72	08	18	11	20	38.4	6.178S	152.854E	015	4.60		4.60 ML RAB	15
72	08	18	12	27	36.5	6.271S	152.788E	015	4.80			14
72	08	18	18	19	32.1	6.021S	152.257E	045	4.80			10
72	08	18	22	09	34.7	6.180S	152.265E	019	4.60			12
72	08	18	22	32	17.	4.100S	143.600E	109				9
72	08	19	03	39	04.6	6.177S	153.206E	015	5.00			23
72	08	19	13	49	26.7	5.733S	153.117E	032	4.20			13
72	08	19	16	06	14.9	5.190S	134.054E	033	6.10			22

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	08	19	16	30	58.1	2.470S	140.146E	033	4.70			11
72	08	20	17	17	44.2	4.880S	145.690E	0				5
72	08	21	08	47	05.4	5.753S	152.963E	035	5.30		5.60 ML PNG	42
72	08	21	09	35	04.3	6.079S	153.093E	029	4.70			15
72	08	21	10	12	40.8	6.067S	152.522E	025	4.60			7
72	08	21	11	45	51.8	6.141S	152.600E	016	4.10			8
72	08	21	12	03	47.0	6.139S	152.632E	006	4.60			8
72	08	21	13	09	26.7	6.347S	147.408E	113			4.00 ML PMG	7
72	08	22	02	42	57.6	4.132S	152.260E	058				5
72	08	22	09	50	50.0	6.126S	152.999E	015	5.20			24
72	08	22	11	48	02.1	6.018S	153.100E	033	4.80		4.80 ML RAB	13
72	08	22	12	24	26.8	7.152S	154.846E	038	4.90			16
72	08	22	13	04	40.2	6.310S	152.810E	0			4.4 ML RAB	7
72	08	22	14	11	38.4	3.780S	136.202E	036	4.60			8
72	08	22	15	04	32.4	6.178S	152.601E	026	4.70			15
72	08	22	16	07	39.7	6.865S	154.783E	053	4.40			9
72	08	22	20	15	33.	4.700S	152.400E	29				12
72	08	22	20	40	33.8	6.103S	153.047E	033				7
72	08	23	11	46	56.2	6.163S	153.132E	020	4.90			12
72	08	23	14	00	53.1	6.846S	154.684E	045	4.80			18
72	08	23	16	37	13.7	6.310S	149.970E	35				10
72	08	24	05	13	11.6	6.228S	152.498E	033				8
72	08	24	08	34	25.3	6.297S	153.132E	015	4.30			11
72	08	24	10	03	05.8	6.319S	153.110E	033				8
72	08	24	12	52	00.1	5.025S	153.411E	058				9
72	08	24	14	10	58.5	6.357S	153.158E	010	4.60			10
72	08	24	14	50	24.4	6.142S	152.594E	021	4.90			12
72	08	24	19	20	42.8	5.284S	150.113E	267	4.90			12
72	08	24	19	37	41.9	6.051S	152.504E	022	4.40			6
72	08	25	10	57	07.5	10.712S	161.106E	048	5.00			27
72	08	25	18	27	27.3	5.769S	148.760E	145	4.50			12

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	08	25	22	10	23.4	6.144S	152.586E	033	5.10			15
72	08	26	03	46	34.4	5.284S	150.602E	237	5.30		4.70 ML PMG	14
72	08	26	04	39	15.2	3.137S	135.968E	033	5.30			33
72	08	26	09	38	20.3	4.905S	145.653E	054	4.40		5.00 ML PNG	9
72	08	26	15	11	01.2	6.303S	153.159E	033				8
72	08	26	23	38	31.4	10.413S	160.616E	096	4.90			12
72	08	27	01	43	09.3	6.167S	152.811E	017	4.70			12
72	08	27	08	59	11.8	11.315S	161.968E	068	4.30			7
72	08	27	10	16	04.3	6.539S	152.539E	007	4.70			12
72	08	27	18	20	25.3	6.009S	153.144E	037				6
72	08	27	20	05	03.2	6.071S	152.540E	057				7
72	08	27	21	39	17.9	6.255S	153.151E	026				7
72	08	28	10	31	19.6	6.190S	152.662E	009	4.60			17
72	08	28	19	04	32.7	6.306S	153.033E	034	5.00		5.40 ML PMG	17
72	08	28	19	29	13.9	6.203S	152.946E	016	4.90			11
72	08	29	00	47	15.8	6.105S	152.662E	034	5.10			17
72	08	29	04	04	54.1	5.049S	153.398E	063	5.40		5.40 ML RAB	8
72	08	29	05	52	50.7	6.045S	152.644E	020	4.80			16
72	08	29	07	01	06.2	9.451S	158.618E	031	5.00			14
72	08	29	08	01	19.3	6.075S	152.903E	022	4.90			15
72	08	29	13	31	52.	8.300S	149.100E	0				4
72	08	30	00	38	57.3	6.569S	154.936E	045	5.00			18
72	08	30	10	23	57.8	6.123S	152.328E	027	5.30		5.10 ML PMG	36
72	08	30	10	29	51.1	3.478S	144.934E	013	5.60	6.4	6.50 ML PMG	56
72	08	30	13	02	46.2	6.176S	152.297E	037	4.70			18
72	08	30	13	20	41.2	6.149S	152.287E	024	4.90			19
72	08	30	16	28	20.7	6.193S	152.218E	032	5.10		5.00 ML PMG	24
72	08	30	19	14	47.5	6.694S	155.427E	072	5.30			10
72	08	31	19	40	43.8	6.198S	152.329E	034	4.80			7
72	09	01	23	28	39.7	5.142S	153.564E	064	4.20			11
72	09	02	05	58	11.9	3.497S	149.792E	027	4.50			13

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	09	02	14	13	20.	8.500S	149.200E	0			3.8 ML PMG	6
72	09	02	22	46	20.	4.400S	146.700E	6				9
72	09	03	00	17	43.1	6.135S	152.756E	033 5.00			5.20 ML PMG	32
72	09	03	01	54	13.0	6.210S	152.804E	033 4.70			4.70 ML RAB	23
72	09	03	06	05	07.6	5.498S	152.617E	046 4.70				7
72	09	03	06	31	21.6	5.552S	151.277E	045 5.40	6.2 6.10	BRK	6.40 ML PNG	53
72	09	03	07	46	22.	6.100S	152.200E	0				5
72	09	03	07	50	14.5	5.640S	151.330E	40				16
72	09	03	07	55	59.1	5.620S	151.232E	049 5.20	5.9		6.00 ML PNG	45
72	09	03	08	10	21.9	5.598S	151.232E	053 4.70			5.30 ML PMG	19
72	09	03	08	41	26.0	5.770S	151.700E	83				9
72	09	03	08	52	11.1	5.623S	151.249E	032 4.70			6.10 ML PNG	24
72	09	03	09	25	54.8	5.571S	151.275E	033 4.50			5.20 ML PMG	18
72	09	03	11	55	45.2	5.522S	151.148E	033 4.50			5.20 ML PMG	20
72	09	03	13	13	24.3	5.720S	151.400E	54				16
72	09	03	13	29	33.5	5.936S	153.703E	033				8
72	09	03	16	04	40.1	5.955S	152.817E	048 5.30			5.40 ML PMG	39
72	09	03	19	28	37.5	5.610S	151.370E	49			5.0 ML RAB	24
72	09	03	22	29	21.2	4.320S	152.920E	55				14
72	09	04	01	19	38.6	7.913S	157.259E	033 5.00				12
72	09	04	01	24	46.	5.500S	151.160E	24			5.4 ML RAB	18
72	09	04	04	22	09.9	5.550S	151.160E	0				17
72	09	04	04	37	57.5	5.410S	151.130E	40				11
72	09	04	11	54	49.4	6.201S	130.037E	030				9
72	09	04	14	05	52.1	6.095S	130.191E	033				12
72	09	04	19	58	36.9	5.980S	152.427E	053 5.50			5.60 ML PMG	38
72	09	05	03	22	58.2	5.482S	151.009E	018 4.10			5.00 ML PMG	7
72	09	06	02	34	40.3	4.801S	153.468E	074 4.60			4.60 ML RAB	10
72	09	06	08	04	49.6	5.393S	151.412E	054			5.10 ML PMG	8
72	09	06	19	41	25.6	2.630S	139.268E	033 5.40				33
72	09	07	15	27	55.8	5.660S	151.460E	66				11

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	09	07	20	00	26.9	6.354S	148.412E	051	5.30		5.70 ML PMG	36
72	09	08	03	12	57.7	5.824S	130.489E	069	5.90			22
72	09	08	11	07	43.0	3.238S	146.859E	022	5.00		5.30 ML PNG	18
72	09	08	11	40	06.7	3.348S	146.759E	042	5.10		5.00 ML PNG	13
72	09	08	19	20	52.	3.200S	144.400E	0				8
72	09	09	01	44	12.	4.200S	144.300E	0				5
72	09	09	05	48	21.7	3.152S	146.877E	007	4.90		5.20 ML MOM	12
72	09	09	06	50	33.3	6.715S	155.116E	039	4.90			20
72	09	10	17	31	44.	5.600S	151.160E	0			5.2 ML RAB	13
72	09	10	20	49	10.8	5.679S	153.051E	027	4.60			8
72	09	11	02	46	38.9	3.326S	149.428E	033	4.80			25
72	09	11	08	33	21.9	3.186S	150.161E	004	4.80			24
72	09	11	08	44	28.4	3.603S	149.868E	033	4.60			14
72	09	11	10	36	56.9	3.594S	149.831E	033	5.20	5.2	5.10 ML PMG	66
72	09	11	11	17	21.5	3.539S	149.850E	017	5.50			43
72	09	11	13	35	48.5	3.243S	130.763E	033	5.50	6.0		87
72	09	11	16	31	57.1	3.564S	149.996E	033	5.20			38
72	09	11	17	24	57.1	3.652S	149.913E	033	5.30	5.2		44
72	09	12	10	46	50.	4.880S	144.300E	0				5
72	09	12	16	54	00.	4.900S	145.100E	0				12
72	09	12	18	20	30.	8.600S	148.500E					3
72	09	12	18	25	20.	4.900S	145.100E	0				9
72	09	12	23	15	23.9	4.690S	143.680E	98				18
72	09	13	08	08	41.4	6.216S	152.462E	033	4.80			15
72	09	13	18	28	05.1	2.969S	150.312E	033	4.80			15
72	09	14	12	46	56.1	4.334S	152.998E	048				13
72	09	15	03	49	52.	6.200S	144.600E	0				7
72	09	15	06	58	53.	5.180S	145.230E	207				14
72	09	15	07	38	50.5	9.779S	151.970E	014	5.00	4.8		22
72	09	16	04	15	10.4	9.460S	148.590E	004	5.3		5.0 ML PMG	44
72	09	16	04	37	28.2	5.100S	152.290E	45				10

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	09	16	10	21	15.6	2.969S	150.555E	037	4.30			12
72	09	16	11	31	04.2	3.042S	150.544E	030	4.40			12
72	09	16	11	36	43.7	10.692S	161.398E	035	4.90			13
72	09	16	12	11	26.6	10.609S	161.196E	056	5.50			50
72	09	16	12	48	15.2	10.723S	161.457E	020	4.80	5.4		28
72	09	16	15	53	18.3	10.605S	161.190E	052	5.40			35
72	09	16	20	25	09.1	10.699S	161.446E	034	4.70			11
72	09	17	03	30	12.0	10.682S	161.325E	060	5.10			33
72	09	17	05	50	16.3	10.729S	161.356E	043	4.70			14
72	09	17	12	18	02.5	10.180S	161.190E	084	4.90			17
72	09	18	08	57	10.1	10.918S	161.441E	026	5.00			29
72	09	19	10	32	33.9	6.590S	147.720E	56			4.4 ML PMG	8
72	09	19	15	08	19.1	5.669S	148.092E	202	5.40		6.00 ML PNG	67
72	09	21	06	39	55.8	3.603S	144.334E	063				6
72	09	21	08	14	03.8	3.143S	146.916E	033				8
72	09	21	17	43	22.7	3.183S	142.963E	012				6
72	09	21	20	47	03.3	8.381S	147.176E	039			4.50 ML PNG	9
72	09	23	03	11	37.5	5.509S	152.360E	048	5.00		5.00 ML RAB	19
72	09	23	04	27	09.0	6.181S	154.684E	088	4.70			10
72	09	23	10	00	46.8	6.252S	152.991E	008				10
72	09	23	11	51	51.7	5.964S	151.094E	088	4.80			7
72	09	23	12	27	57.5	6.227S	150.881E	043				12
72	09	23	15	14	17.0	5.607S	152.374E	052	4.70		4.70 ML RAB	16
72	09	23	20	52	22.8	5.639S	152.225E	045	4.70			15
72	09	23	21	12	56.0	5.646S	149.397E	166				7
72	09	24	01	15	10.6	4.193S	153.273E	033				9
72	09	24	20	09	35.6	6.282S	131.219E	033	6.10	6.9	6.70 PAS	51
72	09	24	22	08	30.9	6.272S	131.261E	033	5.20			8
72	09	24	22	39	15.1	6.185S	131.196E	033	5.50			29
72	09	24	23	20	14.6	6.386S	131.207E	033	5.50			31
72	09	24	23	59	04.8	6.345S	131.138E	033	5.80			23

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	10	07	08	14	31.2	3.265S	135.955E	055	4.60			15
72	10	07	09	55	11.6	6.480S	147.500E	0				10
72	10	07	12	34	56.4	4.485S	153.101E	086	5.20		5.20 ML RAB	31
72	10	11	22	31	00.6	7.501S	155.016E	131	4.80			19
72	10	12	00	39	47.3	6.954S	155.259E	058	4.80			12
72	10	12	17	10	08.	6.500S	145.600E	0				11
72	10	13	05	48	49.3	5.290S	152.473E	066	4.90		5.30 ML PMG	24
72	10	13	20	47	30.6	5.493S	152.624E	032	5.00		5.30 ML PMG	32
72	10	13	20	53	11.3	7.060S	147.980E	55			4.5 ML PMG	11
72	10	14	02	10	55.1	6.449S	131.211E	033	5.40			24
72	10	14	05	59	02.	6.200S	147.100E	0				8
72	10	14	06	36	45.3	7.372S	156.222E	051	4.80			21
72	10	14	15	54	57.6	5.648S	152.235E	025	4.50			10
72	10	16	15	48	00.	5.000S	144.500E					3
72	10	16	20	18	20.8	3.390S	146.060E	0				14
72	10	17	00	47	37.6	6.141S	153.087E	027	5.30			26
72	10	17	13	20	34.	4.700S	152.300E	0				9
72	10	19	18	43	21.8	6.310S	154.422E	051	5.00			21
72	10	20	09	41	10.	9.600S	152.300E	0				9
72	10	22	15	50	10.1	5.982S	131.381E	086				9
72	10	22	17	51	04.5	5.444S	146.616E	166	4.80		4.70 ML PMG	28
72	10	23	03	16	25.7	6.220S	147.985E	057			4.60 ML PNG	9
72	10	25	01	45	58.	8.500S	148.900E	0			4.2 ML PMG	10
72	10	27	07	37	49.4	2.974S	139.431E	053	5.10			23
72	10	27	10	05	44.3	7.321S	146.909E	017	5.00		5.10 ML PNG	39
72	10	28	02	27	10.1	7.325S	146.664E	002	5.90	6.0 6.00 PAS	5.80 ML PMG	72
72	10	28	04	51	55.8	5.887S	154.525E	095	5.20		5.90 ML PMG	29
72	10	30	04	12	01.0	5.784S	147.544E	133	4.60		4.40 ML PNG	8
72	10	30	16	48	09.4	6.331S	154.797E	050	5.80	6.2 6.10 BRK		68
72	10	30	21	44	23.5	5.621S	154.474E	101	4.10			13
72	10	31	06	10	31.5	4.955S	152.796E	061	4.80			11

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	09	25	00	52	33.3	6.360S	144.480E	44			4.9 ML PMG	16
72	09	25	01	10	48.1	6.389S	131.248E	033	5.30			14
72	09	25	03	54	30.2	6.508S	131.096E	033	5.50			7
72	09	25	05	26	29.9	6.658S	130.825E	074	5.00			7
72	09	25	06	29	06.3	6.403S	131.058E	033	5.60			19
72	09	25	07	48	42.6	6.563S	131.266E	033	5.90			9
72	09	25	10	46	36.9	6.307S	131.617E	033				9
72	09	25	21	06	30.0	5.905S	153.570E	033				12
72	09	26	00	00	07.4	4.599S	152.191E	120	5.00		5.20 ML PMG	30
72	09	26	00	13	50.3	6.310S	131.053E	033				6
72	09	26	02	20	17.3	7.294S	130.430E	033	4.90			17
72	09	27	00	21	02.5	10.647S	161.476E	033	4.50			11
72	09	27	03	09	55.7	5.041S	154.999E	074				7
72	09	27	10	50	24.6	6.138S	131.097E	033	5.40			18
72	09	27	11	54	07.0	6.077S	152.715E	011				6
72	09	29	02	53	17.3	2.984S	151.222E	065	4.80			6
72	10	01	00	25	39.3	6.290S	147.440E	95				10
72	10	01	05	35	48.	3.300S	152.500E				4.2 ML RAB	4
72	10	02	00	31	38.	5.500S	144.800E	0				4
72	10	02	02	45	42.7	1.661S	149.694E	048	4.80			7
72	10	02	23	47	15.1	6.259S	151.219E	043	5.00			10
72	10	03	20	43	51.6	5.561S	130.589E	037				11
72	10	04	03	51	36.	4.500S	145.500E					3
72	10	05	03	31	16.3	6.157S	152.624E	033	4.40			8
72	10	05	10	05	32.4	6.516S	131.343E	033				10
72	10	05	14	22	28.	7.300S	152.300E	0				4
72	10	05	20	20	29.7	6.330S	149.250E	0				7
72	10	06	00	37	31.2	5.797S	152.851E	061				10
72	10	06	16	35	10.9	6.129S	149.883E	061	5.40		5.60 ML PMG	31
72	10	06	16	42	54.3	6.062S	149.837E	059	5.50	6.40 PAS	6.00 ML PMG	36
72	10	06	17	27	03.3	6.148S	149.850E	053			4.60 ML PMG	8

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	11	01	00	23	21.9	6.643S	154.444E	041 5.00				16
72	11	01	21	22	15.4	6.290S	144.456E	039 5.40 4.9			5.80 ML PNG	53
72	11	02	09	51	47.0	6.370S	131.185E	033 5.70 5.6				49
72	11	02	22	28	30.2	9.641S	151.583E	033 4.70				15
72	11	03	03	21	03.8	4.674S	153.531E	069 4.30			5.50 ML PMG	25
72	11	04	09	47	19.9	4.793S	144.563E	085 5.60			6.20 ML PNG	77
72	11	04	11	29	05.6	4.937S	144.564E	108 4.60				9
72	11	04	12	11	46.1	4.800S	144.600E	85				9
72	11	05	17	24	43.2	6.559S	131.172E	038 5.00				9
72	11	05	20	08	03.2	5.364S	146.678E	230 5.50			6.50 ML PMG	71
72	11	07	10	39	56.6	6.600S	154.870E	0			5.1 ML RAB	7
72	11	09	18	00	39.	7.000S	147.500E	0			4.0 ML PMG	6
72	11	09	20	42	27.2	5.051S	144.523E	102			4.50 ML LAT	8
72	11	10	02	06	33.4	4.850S	152.600E	54			4.3 ML RAB	16
72	11	11	11	08	21.2	4.325S	143.310E	129				9
72	11	12	01	27	10.3	6.530S	149.510E	44				9
72	11	12	11	23	22.8	5.340S	145.230E	0				13
72	11	14	01	19	45.	7.380S	147.020E	32			4.8 ML PMG	16
72	11	14	05	03	12.	7.200S	146.700E					3
72	11	14	05	16	12.8	6.080S	147.520E	94			4.4 ML PMG	13
72	11	15	08	24	06.0	7.384S	130.537E	033 5.20				24
72	11	15	13	04	18.0	4.238S	154.407E	453 4.70				34
72	11	17	10	57	55.	5.500S	151.600E	47				15
72	11	18	16	03	37.8	5.699S	147.866E	157			4.60 ML PMG	12
72	11	20	13	54	53.4	4.625S	154.242E	375 4.60				9
72	11	21	03	59	08.5	6.503S	154.250E	034 5.40 6.4 6.50 PAS			5.80 ML PMG	54
72	11	21	17	16	36.0	6.631S	154.267E	043 5.10				46
72	11	21	19	16	49.0	10.747S	162.553E	078				8
72	11	21	21	09	02.	6.670S	154.220E	0				5
72	11	22	02	13	04.6	8.466S	158.451E	176 5.30				48
72	11	22	05	08	28.4	5.880S	148.720E	134			4.5 ML PMG	7

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	11	23	11	15	12.2	6.720S	154.530E	0			5.8 ML RAB	10
72	11	23	13	54	43.2	5.843S	152.756E	033 4.50				13
72	11	25	19	00	36.4	5.827S	131.840E	033 4.50				9
72	11	27	23	38	35.3	.785S	147.479E	044 5.10				29
72	11	28	03	57	29.1	6.441S	144.264E	033				11
72	11	28	08	47	54.7	5.891S	153.447E	033 4.40				26
72	11	28	20	34	23.	5.400S	154.000E	0			5.1 ML RAB	7
72	11	29	00	55	56.7	6.279S	153.098E	033				9
72	11	30	11	50	32.1	6.079S	146.791E	123			4.10 ML PMG	15
72	11	30	12	49	59.1	9.960S	160.804E	058 4.70				12
72	11	30	19	47	38.8	9.779S	159.448E	085 5.20				44
72	11	30	22	31	56.0	5.216S	153.707E	054 4.90				31
72	12	01	02	14	49.	8.300S	147.900E	0			3.3 ML PMG	4
72	12	01	09	39	10.9	6.730S	148.980E	0				7
72	12	02	08	33	58.5	4.470S	152.460E	47				7
72	12	02	18	47	47.8	4.310S	152.610E	100				7
72	12	04	00	16	10.3	4.410S	152.620E	30				6
72	12	04	17	40	18.6	6.615S	154.993E	063 4.90			4.90 ML RAB	20
72	12	04	17	51	22.4	1.523S	136.679E	033 6.00 5.7 5.80	BRK			83
72	12	05	02	46	20.7	1.620S	136.624E	033 5.40 5.4				43
72	12	05	08	06	30.	5.000S	145.000E					3
72	12	05	18	20	43.5	3.970S	153.000E	63				9
72	12	05	19	50	33.5	6.214S	154.243E	063 5.30				14
72	12	05	21	59	54.3	1.174S	136.699E	033 5.50 5.5				57
72	12	05	22	08	28.9	1.722S	136.596E	033 5.30				17
72	12	05	22	31	46.1	1.463S	136.545E	033 5.30				33
72	12	05	22	46	53.5	1.622S	136.688E	033				13
72	12	05	23	57	39.	5.700S	152.970E	62				7
72	12	06	00	31	33.0	4.047S	141.565E	033 5.30			5.30 ML RAB	15
72	12	06	01	43	24.8	2.995S	139.140E	033 5.40 6.0 6.00	BRK			65
72	12	06	02	25	40.2	1.532S	136.477E	033 4.90				17

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn	
									CGS Body wave	Surf wave	Other sources		Richter/ Local
72	12	06	03	41	27.5	1.670S	136.688E	033					13
72	12	06	11	42	48.4	5.482S	153.972E	090	4.80			4.80 ML RAB	36
72	12	07	06	58	46.5	1.617S	136.430E	033	5.10				16
72	12	07	09	58	22.3	5.160S	153.840E	90					12
72	12	07	11	41	24.1	2.925S	139.109E	020	5.60	5.8			56
72	12	07	12	18	06.5	5.513S	154.335E	132					10
72	12	08	10	55	06.	4.400S	153.500E	102					7
72	12	08	22	02	34.2	1.489S	136.723E	033					14
72	12	09	02	34	03.3	6.210S	153.310E	121				4.6 ML RAB	15
72	12	09	13	02	02.5	6.580S	147.680E	0					7
72	12	10	07	44	20.7	1.665S	136.262E	033					8
72	12	10	09	22	41.6	6.870S	147.210E	0					15
72	12	10	09	56	20.	4.930S	153.390E	44					8
72	12	10	21	21	16.2	4.870S	152.400E	53				4.1 ML RAB	9
72	12	10	21	38	01.0	6.430S	148.670E	0					5
72	12	10	23	01	35.7	6.664S	154.377E	030	4.60				9
72	12	10	23	44	04.	4.800S	153.100E	80					7
72	12	11	00	15	51.5	1.539S	136.631E	033	5.10	5.0			40
72	12	11	01	13	25.8	1.554S	136.657E	033	5.00				35
72	12	11	01	52	25.0	9.410S	150.010E	35	4.8			5.3 ML PMG	43
72	12	11	02	55	11.6	6.256S	149.191E	065	4.40			4.80 ML PNG	17
72	12	11	13	26	36.	9.200S	150.500E						3
72	12	12	06	51	00.	5.800S	144.700E					4.4 ML PMG	6
72	12	12	13	58	27.	6.300S	147.000E	0					9
72	12	12	14	09	14.2	4.650S	152.770E	168				4.6 ML RAB	9
72	12	12	17	29	51.6	5.458S	153.000E	054					10
72	12	12	18	00	12.	5.000S	145.000E	0					4
72	12	13	07	35	15.8	6.534S	154.753E	059					8
72	12	13	12	16	21.9	4.480S	152.800E	93				4.3 ML RAB	8
72	12	13	22	05	37.4	5.901S	147.295E	143					12
72	12	14	19	52	50.3	7.075S	147.171E	122	4.60				11

TABLE 6. continued

Yr	Mo	Day	Hr (U.T.)	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn
									CGS Body Surf wave wave	Other sources	Richter/ Local	
72	12	15	03	07	29.7	6.690S	149.170E	0				5
72	12	16	07	28	00.6	4.860S	152.620E	29				6
72	12	16	11	30	18.6	6.971S	155.764E	079	5.80		5.80 ML RAB	50
72	12	16	19	06	31.	9.800S	149.700E	0				4
72	12	17	01	45	24.4	5.772S	146.124E	116				9
72	12	17	04	18	21.5	5.490S	151.500E	68				15
72	12	17	17	58	42.	4.300S	144.450E	0				14
72	12	17	18	00	50.2	5.486S	153.210E	044	5.50	5.1	5.50 ML RAB	54
72	12	18	09	27	56.0	5.550S	151.616E	036				8
72	12	18	15	48	22.7	6.992S	154.154E	012	4.60			15
72	12	19	00	12	11.7	6.161S	148.854E	064	5.00		5.00 ML RAB	47
72	12	19	01	13	44.3	4.270S	152.140E	54				7
72	12	19	10	06	21.	4.300S	153.100E	61				6
72	12	19	11	19	12.	8.700S	149.600E					3
72	12	19	13	05	48.7	5.107S	150.462E	193				8
72	12	19	23	55	05.0	5.160S	153.380E	45				22
72	12	20	00	28	47.	4.640S	153.300E	89				7
72	12	20	08	03	30.6	4.685S	140.043E	033	5.40			25
72	12	20	09	00	39.9	3.544S	150.852E	038	5.00			9
72	12	21	18	14	26.0	5.997S	151.726E	034	4.80			11
72	12	22	06	53	13.1	5.954S	153.029E	010				9
72	12	22	23	38	36.3	5.860S	148.722E	131	5.60			18
72	12	23	03	05	25.4	6.853S	146.970E	079				6
72	12	23	11	58	31.5	7.086S	155.384E	050	4.50			15
72	12	23	13	00	49.7	6.474S	154.900E	044	5.20			6
72	12	24	04	16	21.4	6.608S	154.495E	037	4.70			10
72	12	24	17	11	59.	4.300S	153.500E	159				16
72	12	24	21	07	23.	4.250S	152.160E	67				6
72	12	25	03	32	24.5	5.214S	152.057E	035	4.90		4.90 ML RAB	7
72	12	25	10	37	16.0	4.980S	151.940E	101			4.0 ML RAB	7
72	12	26	10	37	00.2	4.810S	152.490E	60			4.2 ML RAB	13

TABLE 6. continued

Yr	Mo	Day	Hr	Mn	Sec	Lat.	Long.	Depth	Magnitudes			Stn	
									CGS Body wave	Surf wave	Other sources		Richter/ Local
72	12	26	19	54	46.6	6.400S	144.340E	0					6
72	12	26	23	40	49.5	6.332S	149.682E	041					10
72	12	27	03	56	10.4	10.153S	161.242E	117	4.60				16
72	12	27	07	21	31.9	5.360S	152.150E	71			4.5	ML RAB	12
72	12	27	07	30	34.6	2.546S	138.721E	028	5.40				23
72	12	27	09	59	57.2	2.334S	138.882E	016	5.10				27
72	12	28	06	59	56.5	6.038S	149.778E	064			5.00	ML PNG	11
72	12	29	00	07	44.6	.946S	133.111E	033					7
72	12	29	05	17	55.	4.300S	152.800E	44					8
72	12	29	08	47	07.1	4.941S	152.416E	064	5.50		5.40	ML PMG	42
72	12	29	09	57	41.2	4.860S	151.610E	170			4.1	ML RAB	8
72	12	29	12	19	19.7	5.637S	148.665E	158	5.00		5.60	ML PNG	22
72	12	29	13	28	07.2	6.322S	144.614E	039			4.70	ML PNG	9
72	12	29	19	48	59.5	3.570S	135.306E	033	5.30				17
72	12	29	22	34	42.	5.000S	145.500E						3
72	12	30	02	44	49.8	4.938S	145.301E	057	4.40		4.80	ML PMG	17
72	12	30	13	31	02.2	4.804S	145.291E	033	5.00		4.80	ML PNG	14
72	12	30	22	40	46.8	5.570S	152.900E	45					9
72	12	31	03	08	26.8	4.250S	152.150E	41					7
72	12	31	15	54	10.2	5.402S	153.136E	074					9
72	12	31	19	53	40.7	3.226S	134.443E	033	5.10				24
72	12	31	21	45	40.2	3.316S	134.371E	033	5.00				8

Table 7. Reports of earthquakes felt in the New Guinea/Solomon
Islands Region, 1972

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
1	4	8	25		6.33	155.50	Panguna	4
1	6	0	30		4.17	152.17	Rabaul	3
					6.33	155.50	Panguna	4
1	14	11	27		4.17	152.17	Rabaul	3
1	18	11	55		4.10	145.01	Tabele	5
1	18	12	8		4.10	145.01	Tabele	5
1	18	21	55		4.27	144.98	Bogia	4
					5.78	145.53	Korigeia	4
					5.23	145.83	Madang	4
					5.23	145.83	Madang	5
					5.23	145.83	Madang	6
					5.85	144.22	Mt. Hagen	4
					6.26	145.88	Kainantu	3
					5.15	145.72	Kamba	6
					5.20	145.65	Brahaim	4
					7.90	147.17	Garaina	4
					7.90	147.17	Karkar	4
					4.55	145.95	Karkar	5
					5.27	144.62	Tinam	7
					5.28	144.55	Simbai	6
					4.77	145.70	Serang	7
					4.50	145.20	Wanuma	7
					4.27	144.98	Bogia	5
					5.12	144.72	Aiome	5
					5.75	145.23	Bundi	6
					5.50	145.45	Usino	5
					5.90	145.10	Gembogl	4
					5.55	144.63	Tabibuga	6
					6.38	144.15	Pangia	4
					5.38	143.92	Kompian	4
					6.13	145.13	Chuave	5
					6.05	145.42	Goroka	4
					6.43	145.20	Lufa	5

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					5.88	142.97	Tari	3
					5.90	144.85	Kerowagi	4
					6.32	144.00	Ialibu	4
					5.73	148.05	Lablab	2
1	18	22	8		5.55	144.63	Tabibuga	4
					5.38	143.92	Kompian	4
					6.43	145.20	Lufa	5
					5.92	144.68	Minj	4
					6.32	144.00	Ialibu	4
					6.38	144.15	Pangia	4
					5.28	144.55	Simbai	6
					5.78	145.53	Korigei	4
					5.23	145.83	Madang	5
					5.20	145.65	Brahaim	4
					4.55	145.95	Karkar Is.	5
					4.27	144.98	Bogia	5
					5.50	145.45	Usino	5
					4.10	145.01	Tabele	6
					4.70	144.68	Tumba	3
					6.05	145.42	Goroka	3
					6.13	145.13	Chuave	3
1	19	02	58		5.92	144.68	Minj	4
1	19	3	47		5.12	144.72	Madang	5
					6.05	145.42	Goroka	5
1	19	14	0		6.43	145.20	Lufa	5
1	19	14	40		6.28	145.88	Kainantu	4
1	19	15	1		5.38	143.92	Kompian	4
					6.43	145.20	Lufa	4
					6.32	144.00	Ialibu	3
					6.05	145.42	Goroka	3
					4.55	145.95	Karkar Is.	3
					5.55	144.63	Tabibuga	3
					5.90	145.10	Gembogl	3
					4.27	144.98	Bogia	5
1	20	1	50		4.55	145.95	Karkar Is.	3
					6.28	145.88	Kainantu	4
1	20	9	30		6.73	147.02	Lae	5
					6.73	147.02	Lae	4

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					5.12	144.72	Madang	2
1	20	19	44		5.90	145.10	Gembogl	3
1	21	2	58		4.55	145.95	Karkar Is.	3
1	24	15	15		4.17	152.17	Rabaul	3
1	28	9	17		6.24	155.06	Piva	3
1	31	8	45		7.45	150.50	Esa'Ala	3
2	3	14	27		4.17	152.17	Rabaul	3
2	14	1	54		4.23	152.18	Matupit Is.	4
2	24	0	30		4.55	145.95	Karkar	5
3	7	14	1		6.33	155.50	Panguna	5
					6.25	155.50	Arawa	4
3	13	9	12		4.17	152.17	Rabaul	3
3	15	8	11		4.17	152.17	Rabaul	3
					3.84	152.67	Hilalon	5
3	18	2	2		5.00	151.25	Ulamona	3
3	19	12	36		5.00	151.25	Ulamona	3
3	30	23	16		6.42	145.20	Lufa	4
					6.13	145.13	Chuave	3
					6.05	145.42	Goroka	3
4	2	11	32		6.25	155.50	Arawa	3
4	6	3	35		6.25	149.58	Kandrian	3
4	6	7	50		5.47	145.73	Male	5
4	18	18	1		4.38	152.32	Bitapaka	3
4	19	1	2		3.83	152.68	Hilalon	4
					4.17	152.17	Rabaul	3
					4.42	152.08	Malabunga	3
					4.38	152.19	Paparatava	3
4	19	4	1		4.38	152.32	Bitapaka	3
4	19	13	6		4.33	152.25	Kokopo	3
					4.17	152.17	Rabaul	3
4	23	21	25		4.42	152.08	Malabunga	4
					4.33	152.25	Kokopo	3
4	26	12	19		4.42	152.08	Malabunga	3
4	28	23	20		4.17	152.50	Molot	4
4	28	23	32		4.17	152.17	Rabaul	4
					6.25	150.58	Lindenhafen	4
					4.33	152.03	Kerevat	4
					5.67	155.10	Iaun	6

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					3.38	153.32	Tanga	6
					4.38	152.32	Bitapaka	6
					4.17	152.50	Molot	4
					4.33	152.25	Kokopo	4
					4.17	152.17	Rabaul	4
					6.25	155.08	Piva	4
					4.33	152.03	Kerevat	3
					4.17	152.15	Nonga	3
					4.27	152.17	Reimber	3
					6.73	147.02	Lae	3
					6.83	155.75	Buin	6
					4.13	152.47	Butlivuan	5
					4.40	152.20	Vunadidor	5
					3.17	151.92	Lamerika	5
					6.33	155.68	Kieta	5
					5.55	154.98	Tinputi	5
					6.25	155.50	Arawa	4
					4.55	151.62	Pondo	4
					3.38	153.32	Tanga	4
					4.37	152.42	Kabagap	4
					6.57	155.35	Boku	4
					3.20	151.90	Lamerika	4
					5.45	154.68	Sohano	4
					5.13	154.68	Hanahan	4
					6.25	150.58	Lindenhafen	4
					4.42	152.08	Malabunga	4
					4.38	152.19	Paparatava	6
4	28	23	45		6.25	155.08	Piva	4
					4.33	152.03	Vudal	3
4	29	23	7		6.25	155.08	Piva	4
4	29	23	6		6.83	155.75	Buin	6
					6.25	155.08	Lindenhafen	4
					6.52	155.50	Arawa	5
5	1	11	35		4.42	152.08	Malabunga	3
5	1	13	26		4.42	152.08	Malabunga	3
5	5	23	16		4.33	152.25	Kokopo	7
					5.00	151.25	Ulamona	3
					4.32	152.23	Kokopo	7

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					4.19	152.20	Boisen	7
					4.78	152.83	Lambon	6
					4.40	152.20	Vunadidir	6
					4.17	152.17	Rabaul	6
					4.33	152.25	Kokopo	6
					4.17	152.17	Rabaul	6
					3.17	151.92	Lamerika	6
					3.67	152.47	Namatani	6
					3.78	152.55	Sohun	6
					4.37	152.42	Kabagap	5
					4.33	152.25	Kokopo	5
					4.17	152.17	Rabaul	5
					4.43	152.10	Gaulim	5
					4.17	152.17	Rabaul	5
					4.32	152.20	Vunalama	5
					4.42	152.08	Malabunga	5
					4.33	152.03	Vudal	5
					3.25	155.50	Fead Island	4
					6.33	155.68	Aropa	4
					5.53	151.52	Pomio	4
					5.45	154.68	Sohano	4
					6.25	155.08	Torokina	4
					3.13	151.74	Konos	4
					5.45	154.68	Sohano	4
					3.30	151.75	Kulot	4
					2.97	150.92	Biwa	3
					4.50	154.25	Tungol	3
					5.73	154.72	Kunua	3
					4.25	152.97	Vunairima	3
					4.27	152.11	Reimber	3
					5.25	154.67	Buka	3
					6.20	155.63	Kieta	4
					4.38	152.20	Paparatava	5
					4.17	152.17	Rabaul	7
					4.17	152.17	Rabaul	6
					4.17	152.17	Rabaul	3
					4.38	152.32	Bitapaka	6
5	5	23	32		4.38	152.32	Bitapaka	5
					4.17	152.50	Molot	5

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
5	5	23	57		4.17	152.17	Rabaul	3
					4.33	152.25	Kokopo	3
					4.38	152.20	Paparatava	3
5	6	0	57		4.42	152.08	Malabunga	3
					4.33	152.25	Kokopo	3
					4.17	152.17	Rabaul	4
					6.20	155.63	Kieta	4
5	6	2	30		6.20	155.63	Kieta	4
					6.33	155.50	Panguna	4
5	6	23	15		6.25	155.08	Piva	4
5	7	1	0		6.33	155.50	Panguna	4
					6.20	155.63	Kieta	4
5	7	9	30		10.31	150.44	Alotau	4
5	7	16	40		6.25	155.08	Piva	4
					4.17	152.17	Rabaul	4
					4.42	152.08	Malabunga	4
					6.25	155.50	Arawa	4
					4.33	152.25	Kokopo	4
					4.38	152.32	Bitapaka	6
					3.67	152.47	Namatana i	5
5	8	16	24		4.38	152.32	Bitapaka	4
					4.17	152.17	Rabaul	4
					4.33	152.25	Kokopo	3
5	8	17	45		4.38	152.32	Bitapaka	4
5	8	18	43		4.17	152.17	Rabaul	4
					4.42	152.08	Malabunga	3
					4.33	152.25	Kokopo	3
					4.38	152.20	Paparatava	3
5	9	4	2		5.62	147.85	Siassi	4
5	9	5	52		4.38	152.32	Bitapaka	4
5	17	8	16		10.31	150.44	Alotau	5
					10.31	150.44	Alotau	4
					10.63	150.67	Samari	3
5	19	9	8		6.65	143.90	Erave	4
5	26	9	44		6.25	155.50	Arawa	4
6	3	14	51		5.55	144.63	Tabibuga	4
					6.32	144.00	!alibu	3
					6.65	143.90	Erave	3

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					6.43	143.88	Kagua	3
6	11	18	37		6.73	147.02	Lae	3
					6.05	145.42	Goroka	3
6	16	19	56		6.83	155.75	Buin	3
6	16	21	30		6.83	155.75	Buin	3
6	18	7	15		4.42	152.08	Malabunga	3
					4.19	152.20	Boisen	3
					4.38	152.20	Paparatava	3
					4.33	152.25	Kokopo	3
6	23	9	25		5.12	144.72	Aiome	4
6	27	8	18		4.17	152.17	Rabaul	4
					4.19	152.20	Boisen	4
					4.17	152.50	Molot	3
					3.17	151.92	Lamerika	3
					4.25	152.42	Ulu	5
					4.42	152.08	Malabunga	4
6	28	13	17		4.33	152.25	Kokopo	3
6	30	5	45		6.32	144.00	Ialibu	3
					6.05	145.42	Goroka	3
7	8	13	0		5.88	148.80	Kilenge	4
7	8	13	9		5.73	148.05	Lablab	5
					8.78	148.25	Popondetta	4
7	12	15	50		4.42	152.08	Malabunga	3
					4.25	152.07	Vanairima	3
7	17	4	0		3.67	152.47	Namatanai	3
					4.19	152.20	Boisen	3
7	17	6	20		6.05	145.42	Goroka	4
					6.25	145.63	Henganofi	3
7	17	16	31		4.19	152.20	Boisen	3
7	21	11	19		6.33	155.50	Panguna	4
					6.25	155.50	Arawa	3
7	24	10	20		5.53	151.52	Pomio	4
7	24	13	45		5.53	151.52	Pomio	5
7	28	18	0		5.53	151.52	Pomio	4
7	30	17	40		4.17	152.17	Rabaul	5
					4.33	152.25	Kokopo	4
					4.82	152.02	Tol	4
					4.20	151.50	Doilene	4

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					4.37	152.42	Kabagap	4
					4.40	152.20	Vunadidir	4
					5.63	151.52	Palimal	5
					4.17	153.17	Maritsoan	5
					4.42	152.08	Malabunga	6
					4.32	152.23	Taliligap	6
					4.19	152.20	Boisen	5
					5.53	151.52	Pomio	4
					4.33	152.03	Vudal	6
					4.43	152.10	Gaulim	6
					4.33	152.25	Kokopo	6
					4.33	152.03	Vudal	5
					4.78	152.94	Metlik	5
7	30	17	42		4.17	152.17	Rabaul	4
					4.17	152.50	Molot	5
7	30	17	45		4.20	151.50	Doilene	5
					4.25	152.42	Ulu	7
					4.17	152.17	Rabaul	4
					4.27	152.05	Vunairima	5
					4.43	152.10	Malabunga	6
					4.33	152.25	Kokopo	4
7	30	18	27		4.43	152.10	Malabunga	5
					4.38	152.32	Bitapaka	4
7	30	18	43		4.33	152.25	Kokopo	5
7	30	20	14		4.33	152.25	Kokopo	4
					4.43	152.10	Malabunga	6
					4.17	152.17	Rabaul	5
					4.27	152.05	Vunairima	5
					4.38	152.20	Paparatava	3
					4.33	152.25	Kokopo	6
					4.20	151.50	Doilene	5
					5.00	151.25	Ulamona	3
					4.17	152.17	Rabaul	3
					4.38	152.32	Bitapaka	6
					4.25	152.42	Ulu	5
					4.20	151.50	Doilene	6
					4.17	152.50	Molot	6
					4.42	152.08	Malabunga	4

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					5.63	515.52	Palma Imal	6
					4.17	153.17	Maritsoan	7
					4.17	152.17	Rabaul	3
					4.33	152.25	Kokopo	7
					4.43	152.10	Gaulim	6
					4.25	151.75	Lassul Bay	6
					4.33	152.25	Kokopo	5
					4.37	152.42	Kabagap	5
					4.82	152.02	Tol	4
					4.40	152.20	Vunadidir	5
7	30	20	18		4.33	152.03	Keravat	5
					4.20	151.50	Doilene	4
					4.33	152.25	Kokopo	5
					4.17	152.17	Rabaul	4
					4.27	152.05	Vunairima	3
					4.25	152.42	Ulu	5
7	30	20	25		4.20	151.50	Doilene	5
7	30	20	30		4.38	152.32	Bitapaka	4
7	30	21	0		4.33	152.25	Kokopo	4
7	31	9	29		6.43	143.88	Kagua	6
					6.38	144.15	Pangia	5
8	1	8	45		6.73	147.02	Lae	4
					6.42	147.57	Pindiu	4
					6.28	145.88	Kainantu	3
8	2	0	36		4.17	152.17	Rabaul	4
8	8	16	0		4.42	152.08	Malabunga	4
					4.33	152.25	Kokopo	4
					4.17	152.17	Rabaul	3
					5.00	151.25	Ylamona	3
					5.53	151.52	Pomio	3
					4.17	152.50	Molot	3
					4.33	152.03	Vudal	3
					4.38	152.32	Bitapaka	3
					4.38	152.20	Paparatava	3
1	10	17	40		7.90	147.17	Garina	4
8	14	7	42		6.00	147.25	Etep	4
8	14	22	30		5.90	144.85	Kerowagi	5

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
8	17	23	44	5.92	144.68	Minj	4	
				6.38	144.15	Pag ia	5	
				6.13	145.13	Chuave	4	
				5.10	144.40	Aiome	3	
				6.43	145.20	Lufa	3	
				6.32	144.20	Ialibu	4	
				7.42	144.25	Kikori	4	
				4.38	152.20	Paparatava	3	
				4.17	152.17	Rabaul	3	
				4.17	152.20	Molot	5	
				4.33	152.25	Kokopo	4	
				5.00	151.25	Ulamona	4	
				5.53	151.52	Pomio	5	
				4.82	152.02	Tol	6	
				6.25	150.58	Lindenhafen	6	
				4.25	151.75	Lassul Bay	6	
				4.17	152.17	Rabaul	6	
				4.33	152.03	Vudal	6	
				4.17	152.17	Rabaul	5	
				5.53	151.52	Pomio	5	
				5.15	154.58	Karoola	5	
				5.45	154.68	Sohano	5	
				7.05	147.07	Salamua	5	
				4.32	152.20	Vunalama	5	
				4.19	152.20	Boisen	5	
				4.40	152.50	Vunadidir	5	
				4.33	152.25	Kokopo	5	
				4.42	152.08	Malabunga	5	
				4.43	152.10	Gaulim	5	
				2.77	151.98	Tomalabat	5	
				4.92	151.17	Lolobau Is.	5	
				6.57	155.35	Boku	5	
				6.83	155.75	Buin	4	
				6.13	147.58	Kalasa	4	
				6.65	155.30	Haisi	4	
				3.38	153.32	Tangap	4	
				4.37	152.42	Kababap	4	
				5.00	151.25	Ulamona	4	

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					8.35	147.83	Ioma	4
					5.85	155.22	Wakunai	4
					5.85	155.22	Wakunai	4
					4.55	151.62	Pondo	4
					6.25	155.08	Totokina	4
					5.28	151.04	Bialla	4
					5.83	155.25	Numa Numa	4
					6.28	155.50	Arawa	4
					5.40	154.67	Hutjena	4
					9.08	149.33	Tufi	4
					5.47	150.38	Kwalakessi	4
					6.83	155.75	Buin	4
					5.55	150.17	Kimbe	4
					4.33	152.25	Kokopo	4
					3.67	152.47	Namatanai	4
					6.20	155.63	Kieta	4
					6.20	155.63	Kieta	4
					3.25	155.50	Fead Is.	3
					4.48	152.68	Kait	3
					9.33	149.17	Wanigela	3
					8.88	147.75	Kokoda	3
					5.33	154.67	Buka	3
					5.55	150.17	Kimbe	3
					8.52	151.07	Losuia	3
					9.35	150.33	Bolubolu	3
					8.78	148	Popondetta	3
					3.45	143.28	Wewak	3
					4.50	154.25	Tungol	3
					3.20	151.90	Konos	3
					7.75	147.62	Morobe	3
8	17	23	50		5.85	155.22	Wakunai	3
					5.40	154.67	Hutjena	3
					4.17	152.17	Rabaul	6
9	3	6	31		5.63	152.08	Palmaimai	7
					5.53	151.52	Pomio	6
					4.42	152.08	Malabunga	5
					5.35	150.50	Sal el ubu	5
					4.33	152.25	Kokopo	4

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
					4.17	152.17	Rabaul	5
					4.19	152.20	Boisen	4
					5.45	150.52	Malilia	4
					4.17	152.50	Molot	4
					5.55	150.17	Kimbe	4
					4.38	152.32	Bitapaka	4
					5.00	151.25	Ulamona	4
					4.27	152.05	Vunairima	4
9	3	6	35		4.42	152.08	Malabunga	4
9	3	6	45		4.17	152.50	Molot	4
9	3	7	56		5.35	150.50	Salalubu	5
					4.42	152.08	Malabunga	4
					4.00	151.25	Ulamona	5
9	3	8	10		4.33	152.25	Kokopo	5
					4.42	152.08	Malabunga	3
9	3	8	57		5.00	151.25	Ulamona	5
9	3	9	26		5.00	151.25	Ulamona	4
9	3	19	29		4.33	152.25	Kokopo	5
					4.17	152.50	Molot	4
					4.42	152.08	Malabunga	3
9	3	22	30		4.19	152.50	Boisen	4
9	4	8	0		4.17	152.50	Molot	4
9	7	20	1		5.62	147.85	Siassi	7
					5.73	148.05	Lablab	4
					5.55	150.17	Kimbe	3
9	9	6	50		6.33	155.50	Panguna	4
					6.25	155.50	Arawa	3
9	14	12	47		4.17	152.17	Rabaul	4
					4.19	152.20	Boisen	4
					4.42	152.08	Malabunga	3
9	16	4	15		9.55	148.68	Musa Gorge	5
					9.83	147.68	Kwikila	5
					9.05	148.37	Sakaruna	4
					10.33	150.52	Ahioma	3
					8.36	146.98	Tapini	3
					10.08	148.22	Kupiano	3
					10.28	149.37	Magarida	3
					8.88	147.75	Kokoda	3

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
9	19	15	08		6.20	147.20	Kabwum	4
					6.05	145.42	Goroka	4
					6.05	145.42	Goroka	5
					6.43	145.20	Lufa	4
9	24	1	15		4.33	152.20	Kokopo	4
					4.19	152.20	Boisen	4
					4.38	152.32	Bitapaka	3
9	25	0	53		6.65	153.90	Erave	4
					5.90	144.85	Kerowagi	3
9	26	0	0		4.17	152.17	Rataul	4
					4.42	152.08	Malabunga	3
					4.17	152.50	Molot	4
10	2	3	30		4.17	152.50	Molot	4
10	6	10	10		5.73	148.05	Lablab	4
10	6	16	30		5.55	150.17	Kimbe	4
10	6	16	43		5.55	150.17	Kimbe	4
					5.42	150.50	Hoskins	5
					4.92	151.17	Lolobau Is.	4
					5.62	147.85	Siassi	4
					6.25	149.58	Kandrian	4
					4.28	150.05	Talasea	4
					4.35	152.32	Bitapaka	4
					4.17	152.50	Molot	5
10	7	0	35		5.62	147.85	Siassi	4
10	7	1	35		5.62	147.85	Siassi	4
10	7	10	45		6.90	146.74	Chimboluk	5
10	27	10	6		0.97	146.85	Mumeng	4
10	28	2	27		8.78	148.25	Popondetta	3
					7.32	146.72	Wau	6
					7.37	146.18	Aseki	5
					6.73	147.02	Lae	4
					7.17	146.00	Menyanya	5
					6.63	147.00	Lae	4
					5.90	146.74	Chimboluk	5
					6.97	146.58	Mumeng	4
					7.90	147.17	Garaia	4
					7.32	146.72	Wau	6
					8.35	147.83	Ioma	3
					9.40	147.17	Waigani	2
					6.05	145.42	Goroka	3

Table 7 (continued)

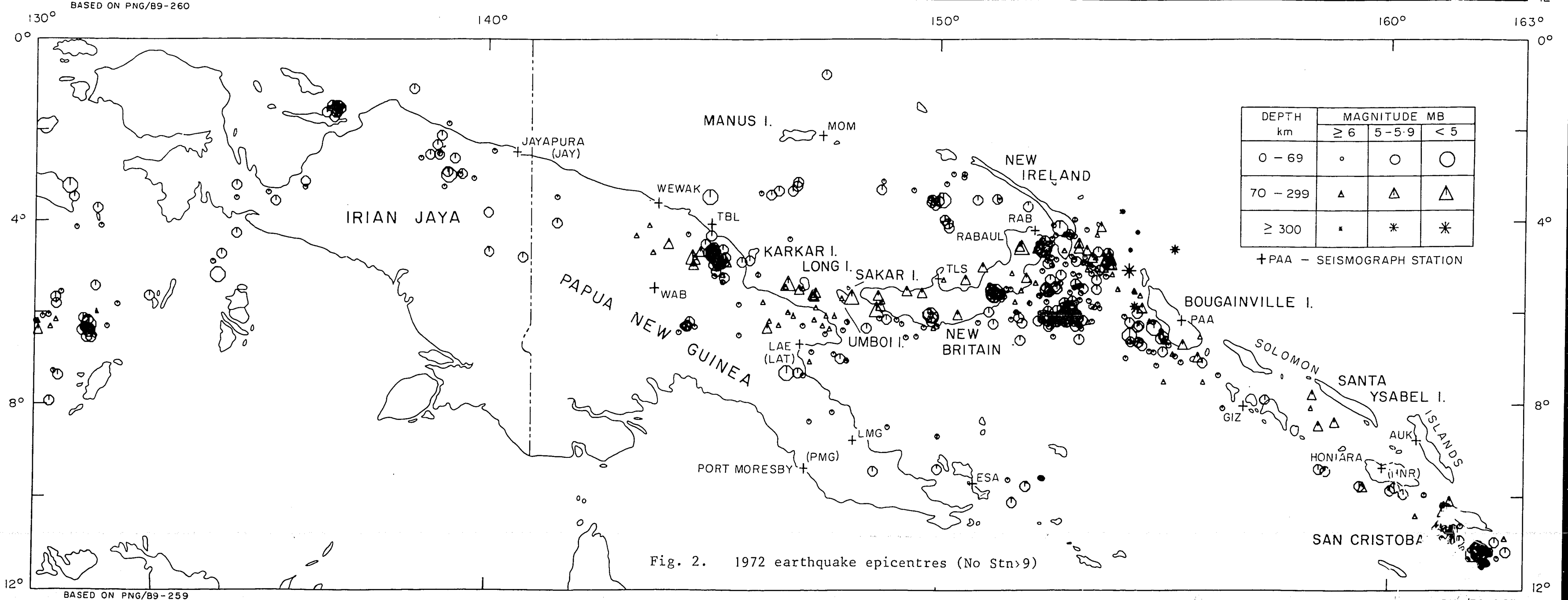
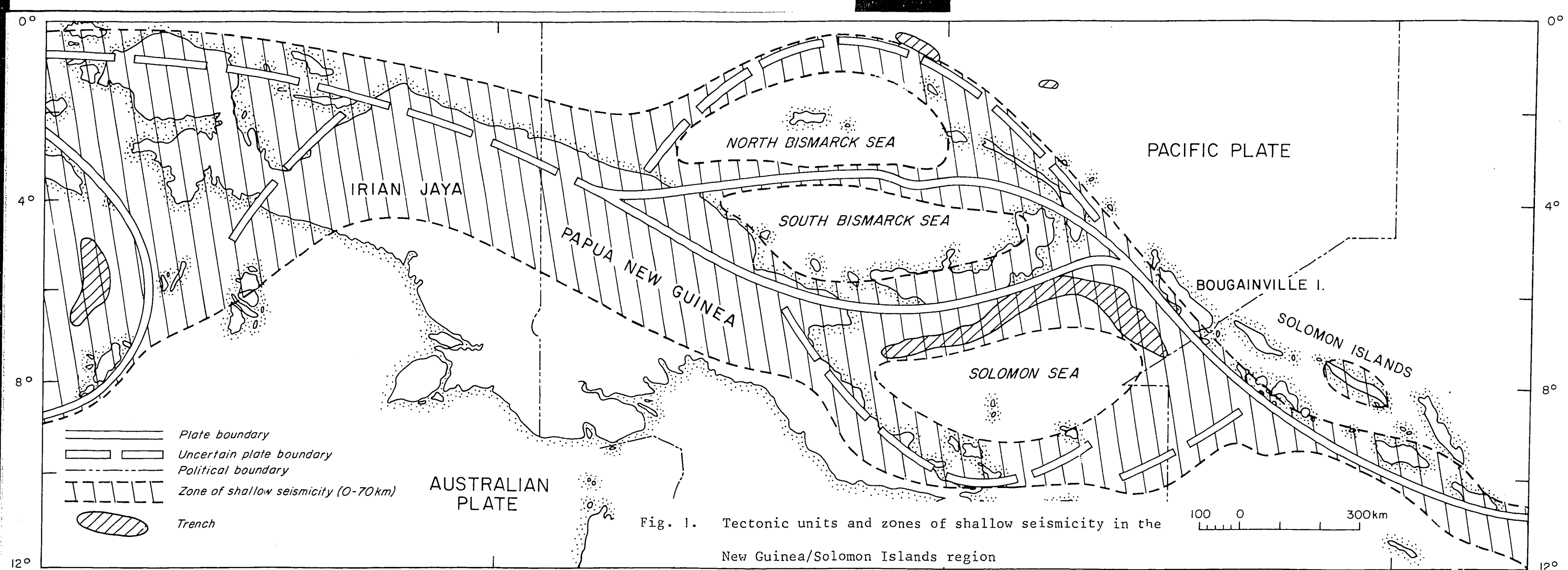
Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
10	28	4	52		6.25	155.08	Piva	5
					5.40	154.67	Hutjena	5
					6.25	155.50	Arawa	3
10	30	16	48		5.40	154.67	Buka	3
					5.85	155.22	Wakunai	5
					6.57	155.35	Boku	4
					6.25	155.50	Arawa	5
					6.25	155.05	Piva	6
					4.19	152.20	Boisen	4
					6.33	155.50	Panyuna	6
					6.20	155.63	Kieta	6
					4.33	152.25	Kokopo	3
					4.17	152.50	Molot	3
					6.77	155.68	Buin	5
					4.50	154.25	Tungol	3
					5.83	155.25	Numanuma	5
					5.85	155.22	Wakunai	4
					5.85	155.22	Wakunai	5
					5.40	154.67	Hutjena	3
					6.57	155.35	Boku	5
					5.43	154.65	Sohano	4
					6.65	155.30	Haisi	4
					6.33	155.68	Aropa	5
11	1	21	23		6.38	144.15	Pangia	5
11	4	9	47		5.55	144.63	Tabibuga	5
					5.55	144.63	Tabibuga	6
					6.13	145.13	Chuave	5
					5.90	144.85	Kerowagi	4
					6.24	145.98	Yonki	4
					5.28	144.55	Simbai	5
					5.55	144.63	Tabibuga	6
					6.32	144.00	Jalibu	5
					6.05	145.42	Goroka	5
					4.23	142.82	Ambunti	4
					6.32	144.00	Jalibu	4
					5.90	144.85	Kerowagi	4
					5.90	145.10	Gembogl	4

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
11	5	20	8		5.40	148.00	Umboi Is.	6
					5.63	146.48	Saidor	5
					6.28	145.88	Kainantu	5
					4.23	142.82	Ambunti	4
					5.73	148.05	Lablab	4
					4.90	144.85	Kerowagi	4
					4.17	152.50	Molot	4
					5.90	145.10	Gembogl	5
					8.88	147.75	Kokoda	4
					5.90	144.85	Kundiawa	4
					6.25	149.58	Kandrian	4
					5.55	144.63	Tabibuga	4
					6.73	147.02	Lae	4
					6.73	147.02	Lae	5
					6.24	145.98	Yonki	5
					5.23	145.83	Madang	4
					5.23	145.83	Madang	5
					6.05	145.42	Goroka	4
					6.05	145.42	Goroka	5
					6.02	144.97	Kundiawa	4
					6.02	144.97	Kundiawa	5
					5.85	144.22	Mt. Hagen	4
					5.85	144.22	Mt. Hagen	5
					8.78	148.25	Popondetta	4
					6.13	145.13	Chauve	4
					3.63	143.07	Maprik	3
					6.97	146.58	Mumeng	5
					7.90	147.17	Garaina	7
11	12	1	26		6.25	149.58	Kandrian	5
12	4	17	40		6.25	155.50	Arawa	4
12	11	1	53		9.35	150.33	Bolubolu	4
					9.40	150.05	Cape Vogel	4
12	11	2	56		6.25	149.58	Kandrian	3
12	13	7	36		6.33	155.50	Panguna	3
12	16	11	30		6.25	155.50	Piva	4
					6.83	155.75	Buin	4
					6.33	155.50	Panguna	3
					3.67	152.47	Namatani	3

Table 7 (continued)

Mo	Day (U.T.)	Hr	Mn	Sec	Lat. (°S)	Long. (°E)	Place Name	Int. (MM)
12	17	18	11		4.42	152.08	Malabunga	4
					4.33	152.03	Vudal	4
					4.33	152.03	Kerevat	4
12	19	0	13		6.22	148.97	Arawe Is.	4
					5.50	148.50	Gloucester	4
12	26	23	41		6.25	149.58	Kandrian	4
12	29	8	47		4.38	152.32	Bitapaka	5
					4.33	152.25	Kokopo	3
					9.20	148.40	Toma	3



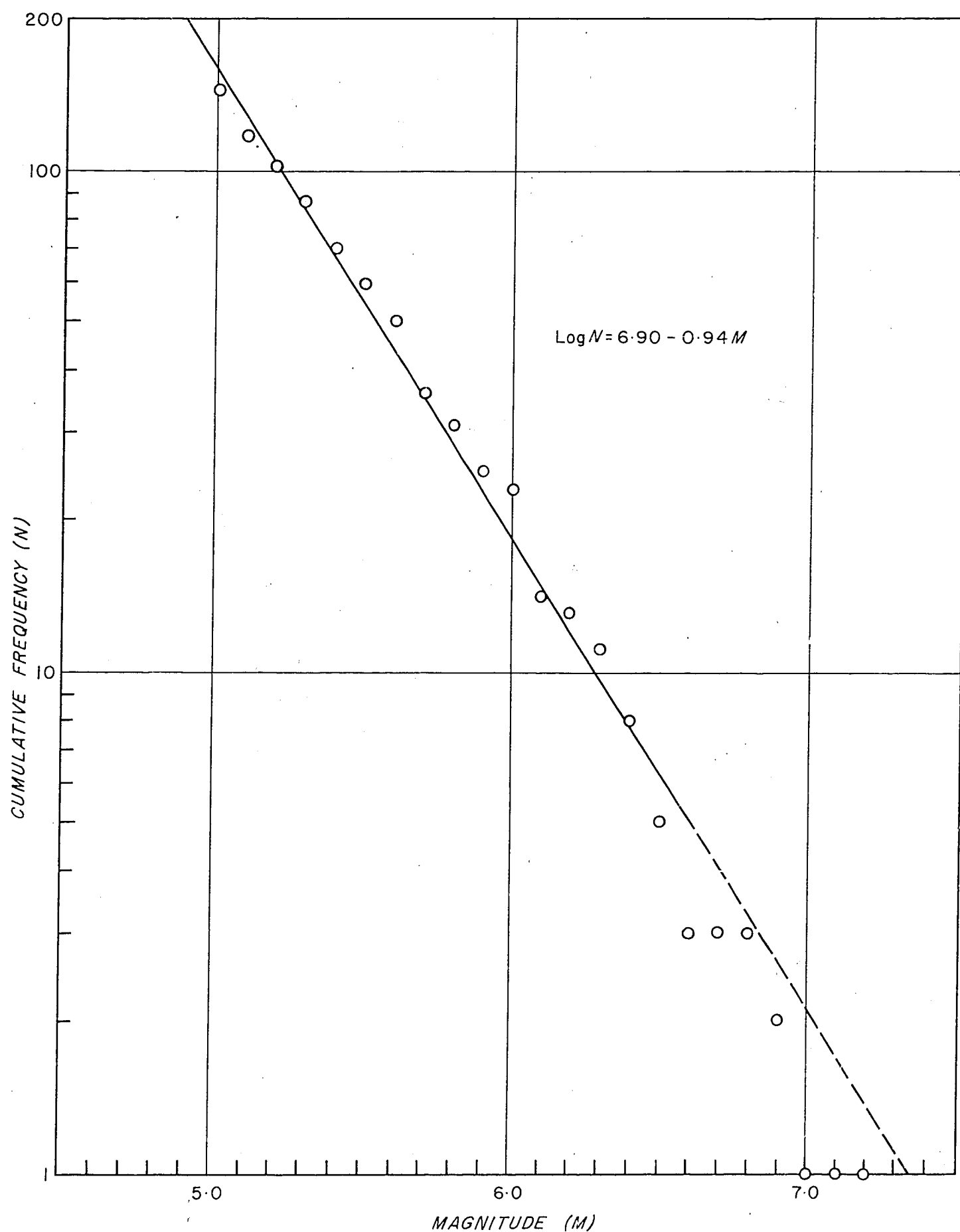
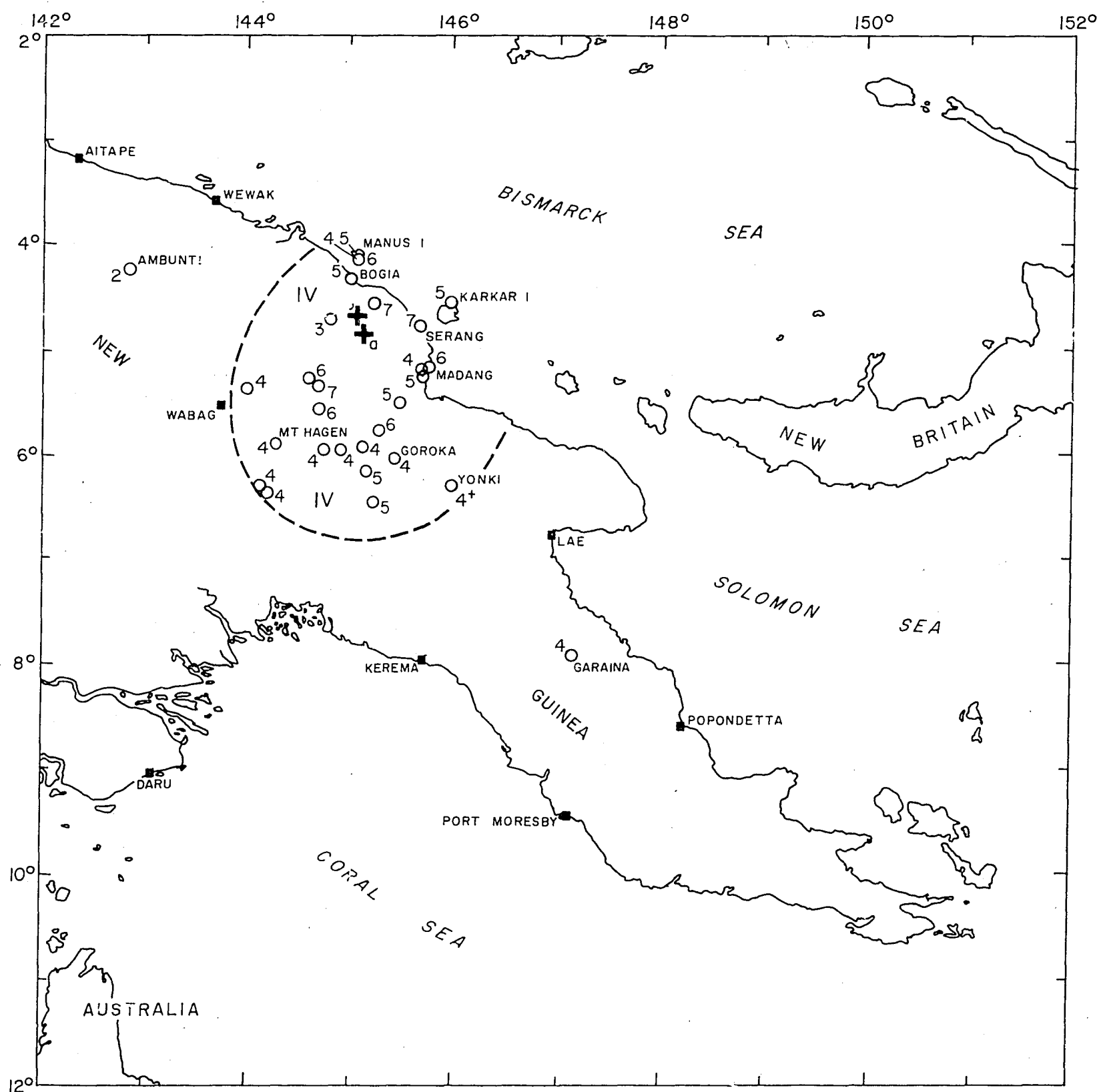


Fig. 3. Magnitude/frequency relation, 1972



✚ Epicentre (ISC)

○⁴ Felt intensity (MM)

IV Zone intensity designation

0 200 km

18 JANUARY 1972

(a)

(b)

Origin Time : 21 55 UT

22 08 UT

Lat °S : 4.84

4.69

Long °E : 145.10

145.02

Depth (km) : 23

33

Mag. (M) : 6.5

6.2

Fig. 4. 18 January earthquake intensities

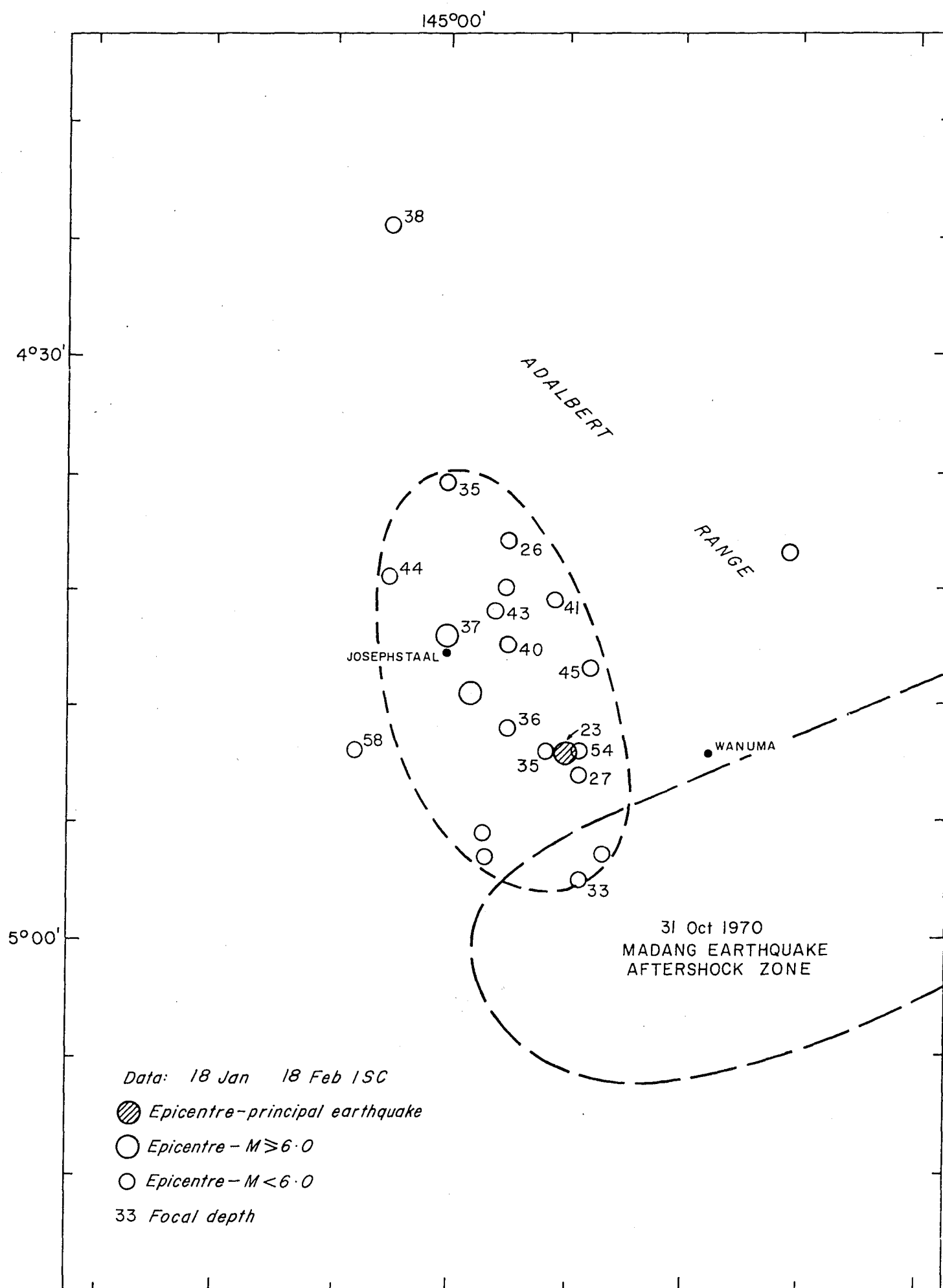
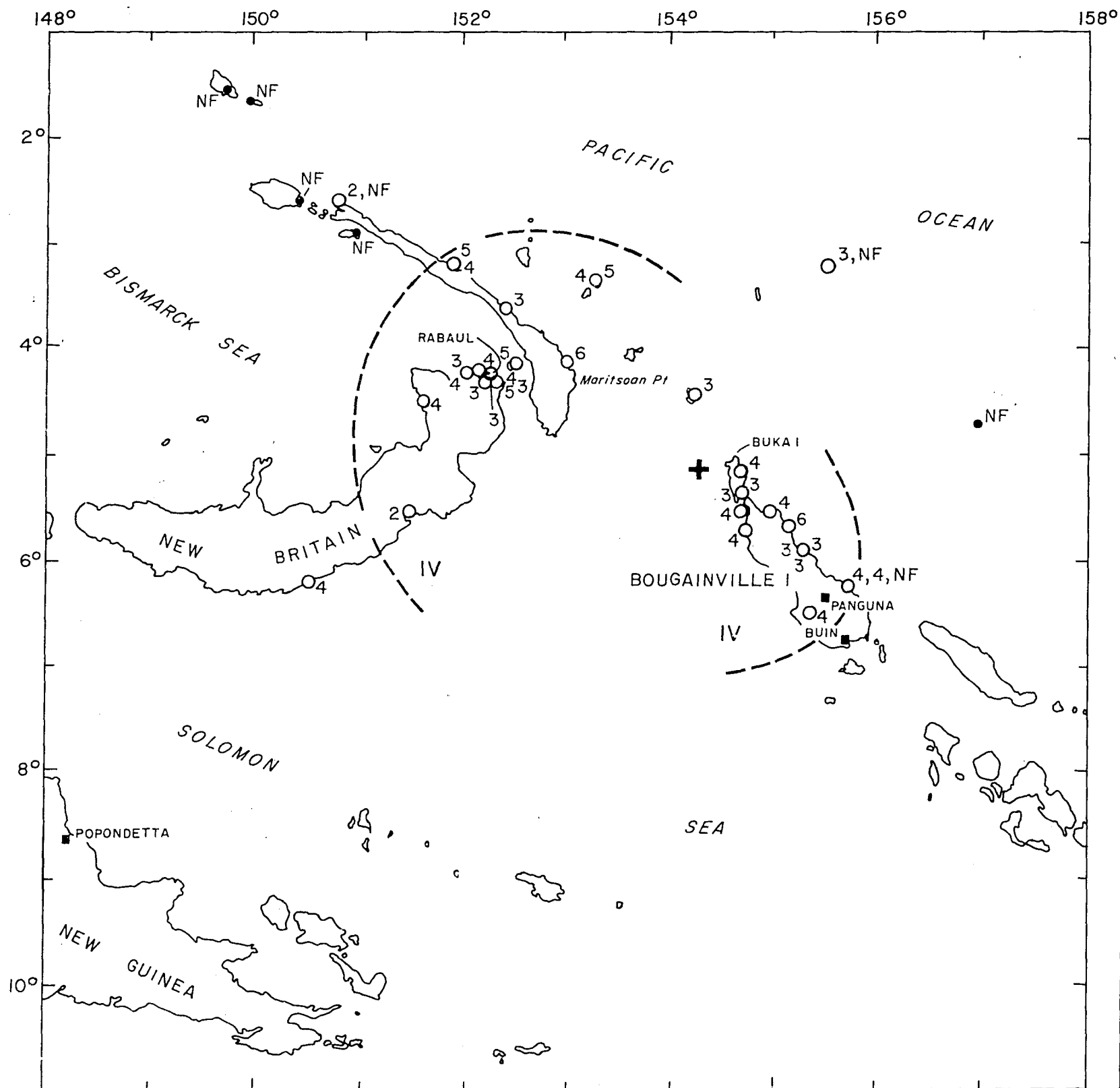


Fig. 5. 18 January earthquake - aftershock zone

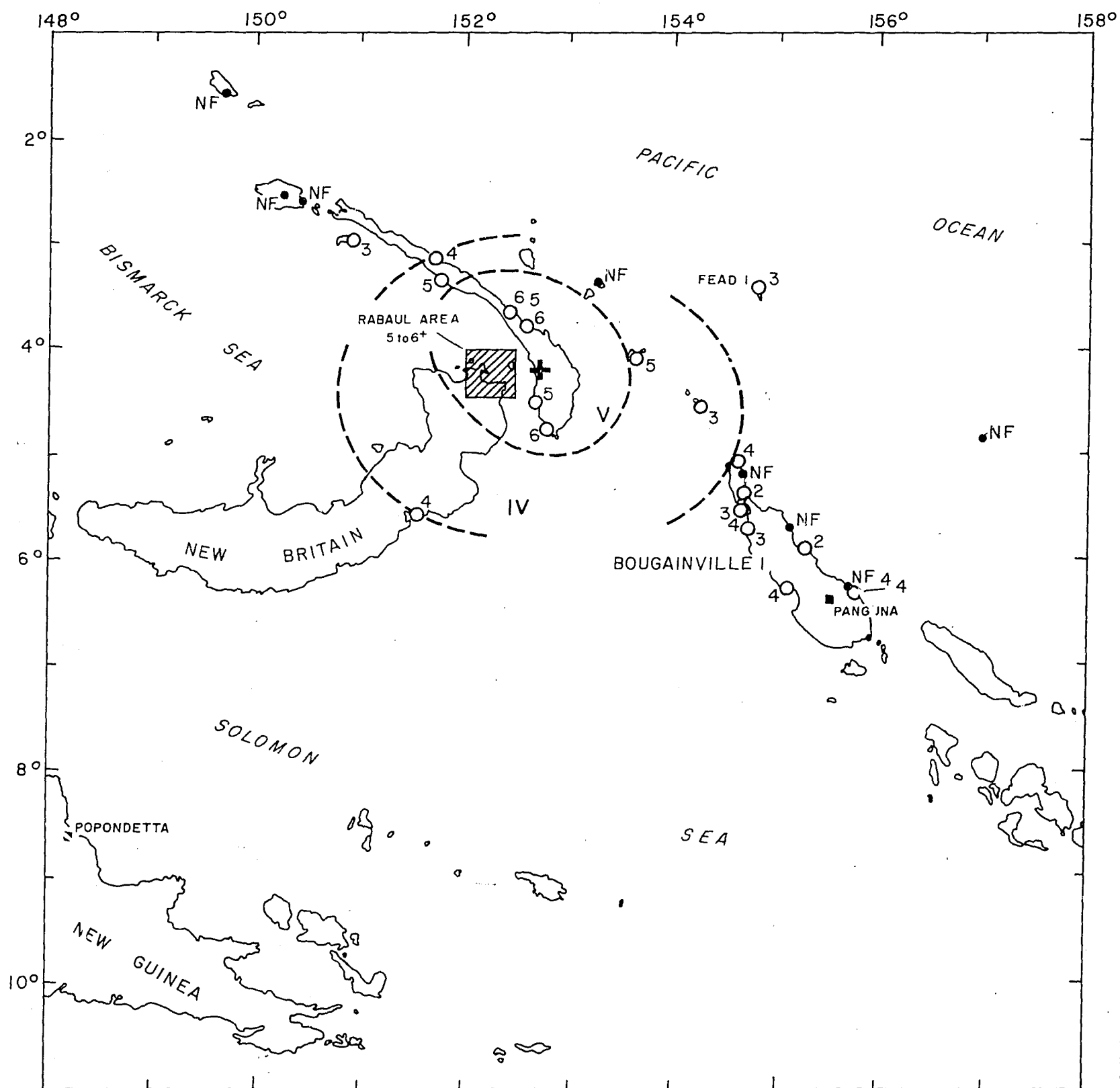


- +** Epicentre (ISC)
- O⁴** Felt intensity (MM)
- IV** Zone intensity designation
- NF** Not felt

0 200km

28 APRIL 1972
 Origin Time : 23 32 UT
 Lat °S : 5.13
 Long °E : 154.23
 Depth (km) : 413
 Mag. (M) : 6.9

Fig. 6. 28 April earthquake intensities

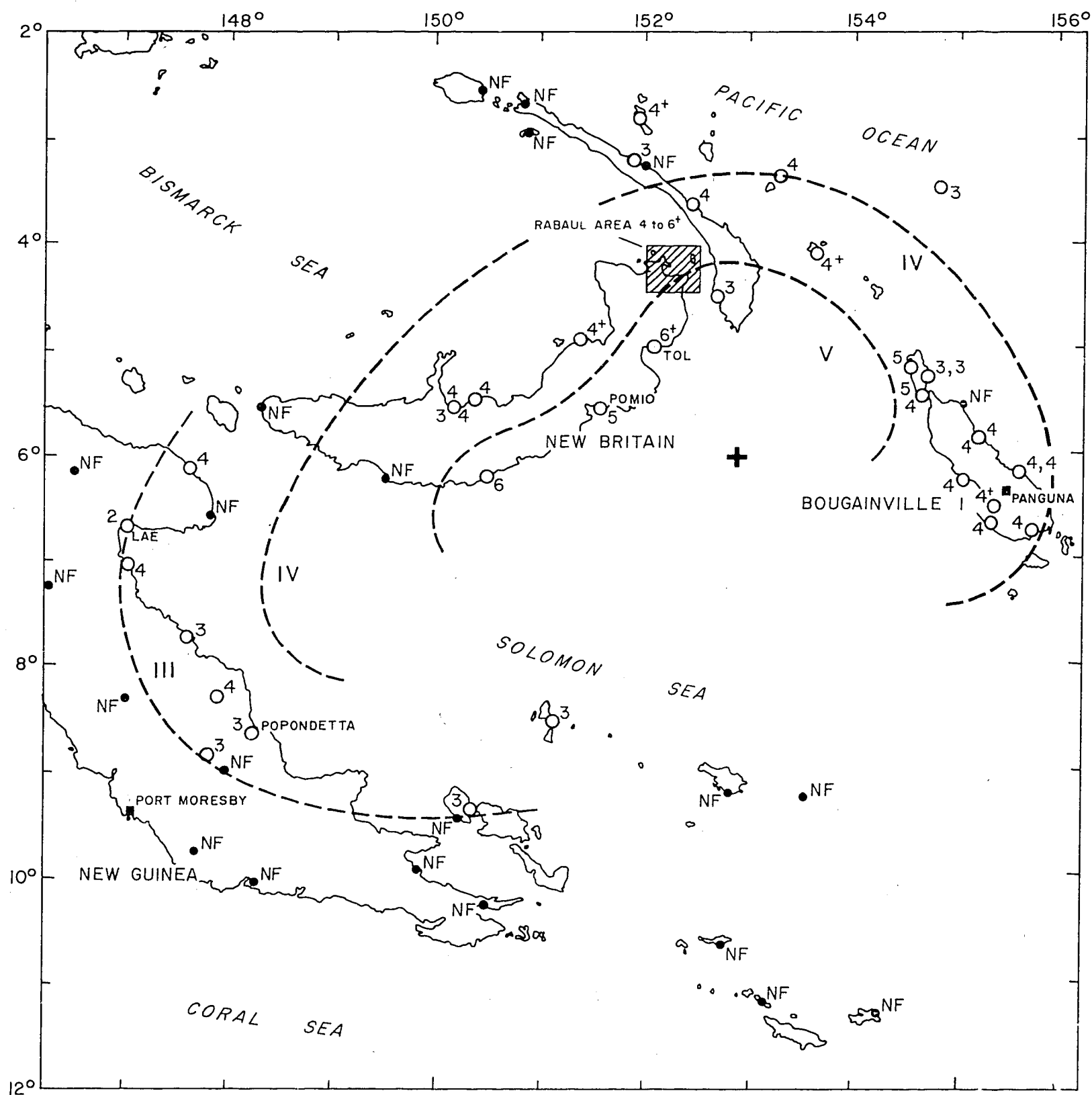


- +** *Epicentre (ISC)*
- O⁴** *Felt intensity (MM)*
- IV** *Zone intensity designation*
- NF** *Not felt*

0 200km

5 MAY 1972
 Origin Time : 2316 UT
 Lat °S : 4.22
 Long °E : 152.71
 Depth (km) : 37
 Mag (M) : 6.3

Fig. 7. 05 May earthquake intensities



- +** *Epicentre (ISC)*
- ⁴** *Felt intensity (MM)*
- IV** *Zone intensity designation*
- NF** *Not felt*

0 200km

17 AUGUST 1972
 Origin Time: 23 44 UT
 Lat °S : 6.04
 Long °E : 152.90
 Depth (km) : 26
 Mag. (M) : 7.2

Fig. 8. 17 August earthquake intensities

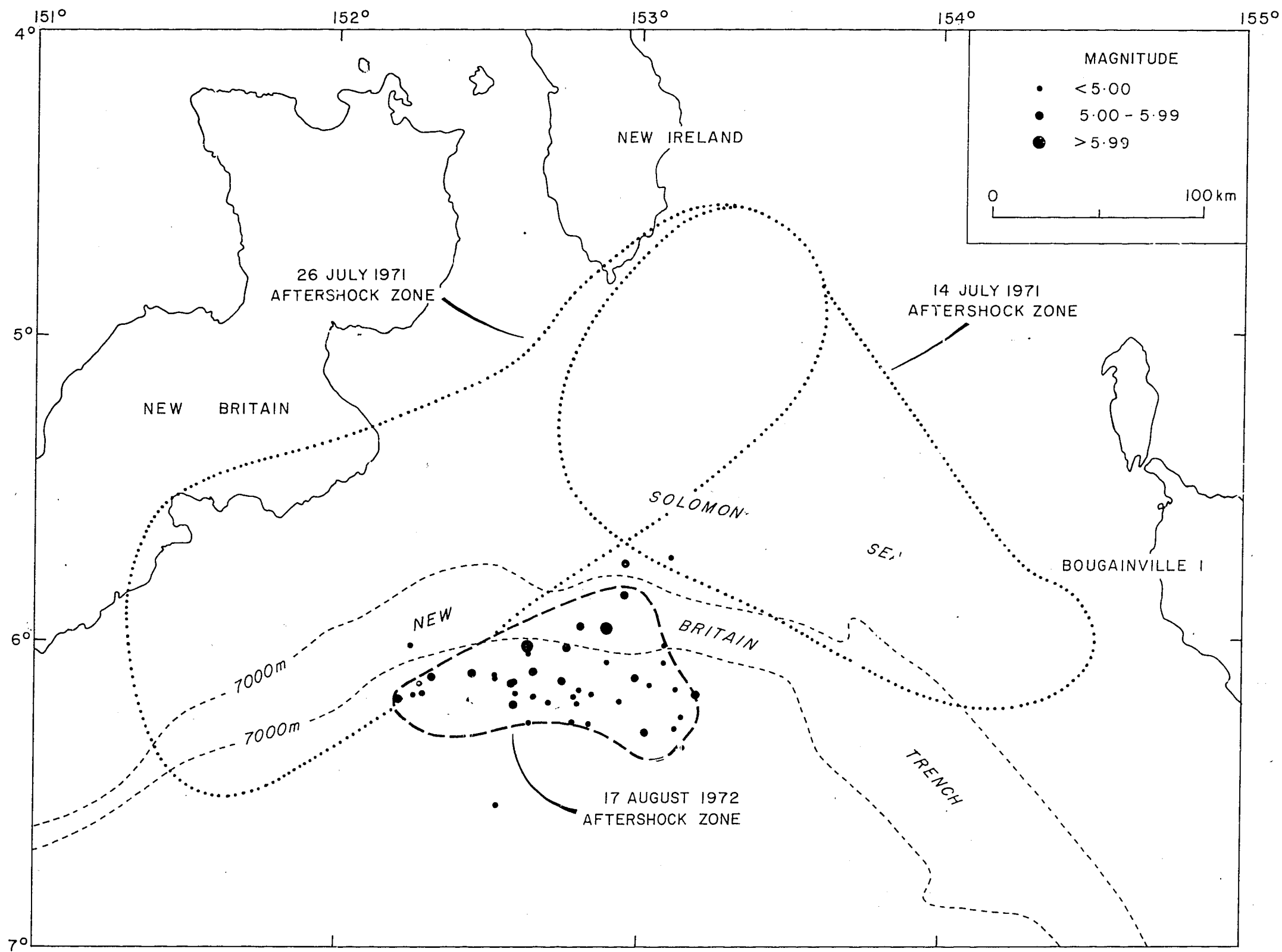
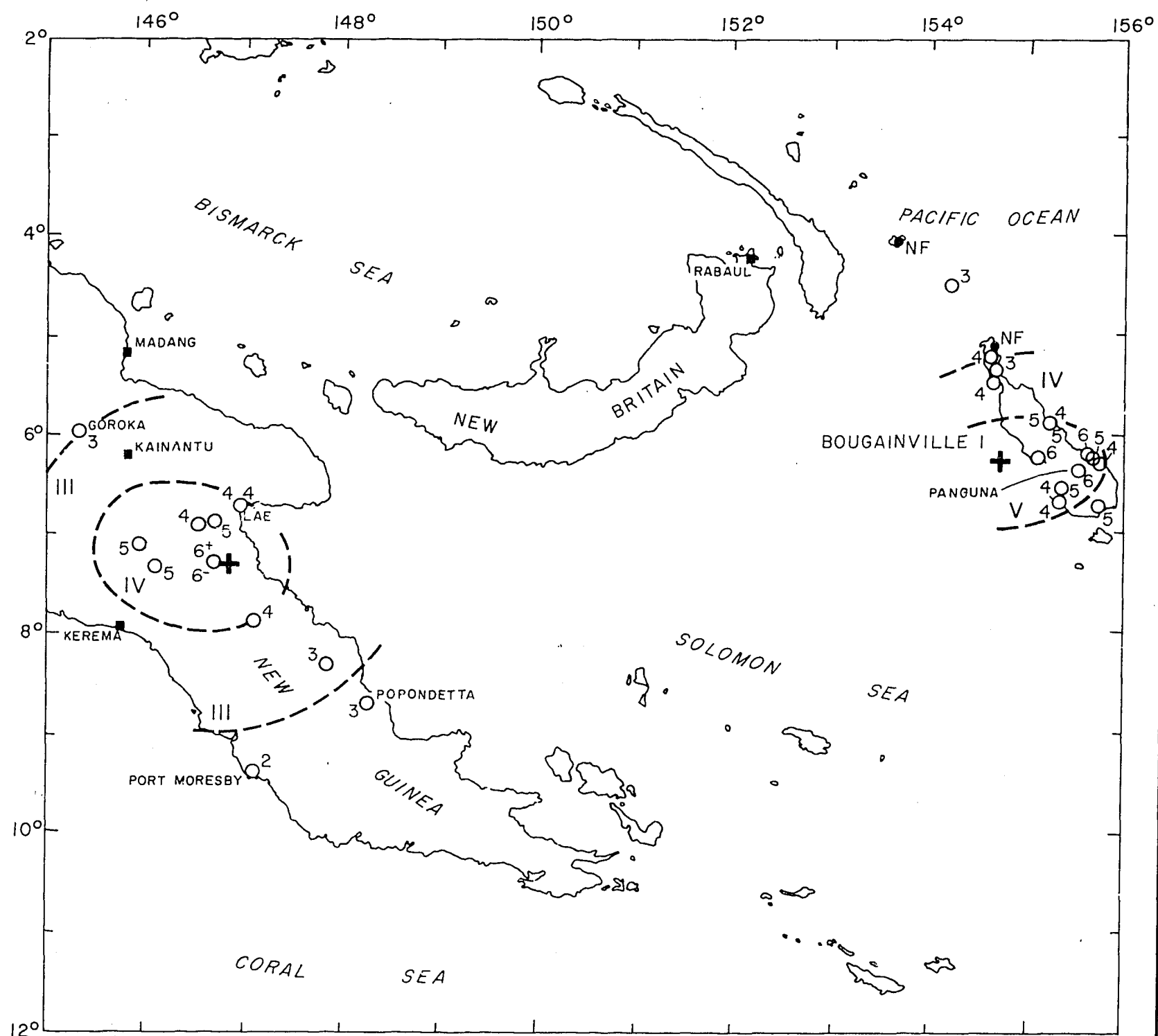


Fig. 9. 17 August earthquake - aftershock zone



- +** *Epicentre (ISC)*
- O⁴** *Felt intensity (MM)*
- IV** *Zone intensity designation*
- NF** *Not felt*

0 200km

28 OCTOBER 1972

Origin Time : 02 27 UT

Lat °S : 7.33

Long °E : 146.83

Depth (km) : 2

Mag (M) : 6.0

30 OCTOBER 1972

Origin Time : 16 48 UT

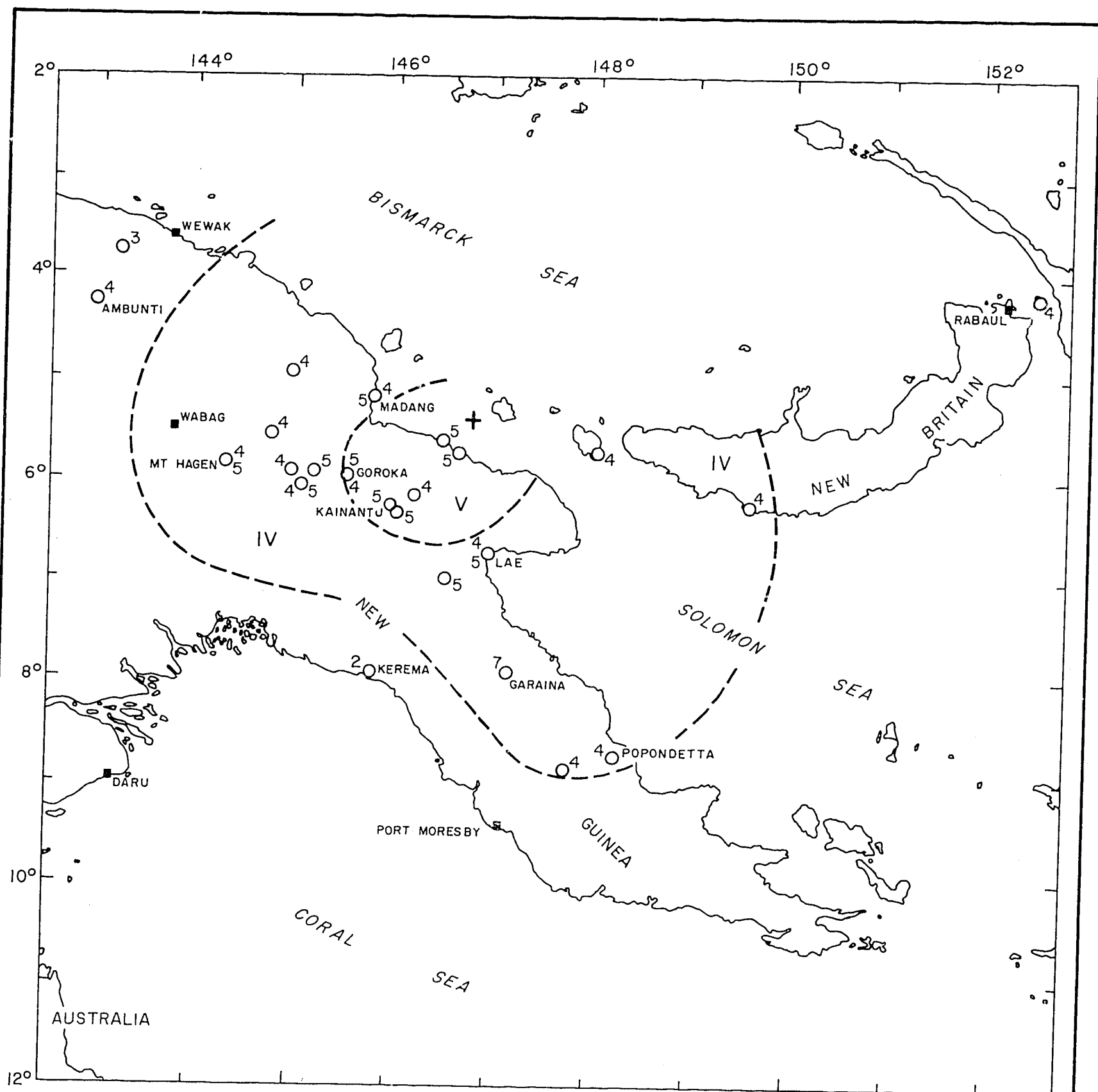
Lat °S : 6.30

Long °E : 154.77

Depth (km) : 69

Mag (M) : 6.4

Fig. 10. 28, 30 October earthquake intensities



- + Epicentre (ISC)
- ⁴ Felt intensity (MM)
- IV Zone intensity designation

0 200km

5 NOVEMBER 1972
 Origin Time : 20 08 UT
 Lat °S : 5.40
 Long °E : 146.70
 Depth (km) : 229
 Mag. (M) : 5.9

Fig. 11. 05 November earthquake intensities