U.S. GEOLOGICAL SURVEY-BRANCH OF ATLANTIC MARINE GEOLOGY

POST-CRUISE REPORT BRNA 95003

1. SHIP NAME (Parent vessel)/SUBMERSIBLE/OWNER-OPERATOR: Baruna Jay
a III
Agency for the Assessment and Application of Technology (BPPT)

2. PRE-CRUISE SERIAL # AND/OR CRUISE-LEG: 95003 BRNA 95003

3. PROJECT # AND NAME: Geology of Epicontinental Systems of
SouthEast Asia and Australia - No number, project deleted >

4. FUNDING AGENCY: USGS and BPPT

5. CONTRACT (If applicable): N/A

6. AREA OF OPERATIONS: Arafura Sea and Gulf of Carpentaria, Indones
ia

7. DATES AND PORTS OF CALL: 20 Oct 95 Jakarta -
31 Oct 95 Merauke, Indonesia

8. CHIEF SCIENTIST(S): Terry Edgar
Yusuf Djajadihardja - BPPT

9. SCIENTIFIC PARTY (Names,affiliations,cruise duties):
Terry Edgar, Co-Chief Scientist
Yusuf Djajadihardja, Co-Chief Scientist
Blaine Cecil, Geologist
Robert Mattick, Geophysicist
Udrech Utt, Geophysicist
Dini Pierbani, Geologist
Nova Subiyanto, Geophysicist
Rita Mardelira, Geophysicis

10. SHIP'S CAPTAIN (and affiliation): Captain Sugung

11. PURPOSE OF CRUISE (brief statement)
Conduct a north-south high-resolution seismic line from the northern Ararfura Sea to the southern-most part of the Gulf of Carpentaria that lies in Indonesian waters. This line ties with the seismic data collected in the Gulf of Carpentaria (Good Ship Enterprise).
The combination provides a north to south line from 4 degrees south to 18
degrees south for investigation of glacially related climate fluctuatio ns
in the tropics.

12. NAVIGATION TECHNIQUES: GPS

13. SCIENTIFIC EQUIPMENT:
15 cu.in. water gun,
two ITI streamers.
Digitizing computer failed, analogue data only.

14. TABULATED INFORMATION:
DAYS AT SEA: 11
CONTINUOUS DATA (in km): 765
STATIONS OCCUPIED (stationary and underway): 3.5 days underway, no stations >
SUBMERSIBLE DIVES (BY #): None
STATION INFORMATION: N/A
Station number:
Date of occupation:
Latitude/Longitude:
Water depth:
Sampling device (dive #):
Number and type of samples:
Remarks:

15. PAGE-SIZE TRACKCHART (including station & line #'s)

16. SUBMITTED BY AND DATE: Terry Edgar, 20 Nov 95

INDONESIA 1995

CRUISE I.D. BRNA 95003

ANALOG TAPE LOG

TAPE #		JD	TIME	LATITUDE	LONGITUDE
Start Line (1)					
Tape#	1.@	300	08:30	-5 15.2609	136 43.9482
	2.	300	10:30	-5 24.4284	136 40.8856
	3.	300	12:45	-5 36.1067	136 36.9281
	4.	300	14:30	-5 45.4714	136 33.7905
	5.	300	16:30	-5 56.2841	136 30.1138
	6.	300	18:30	-6 06.8502	136 26.5315
	7.	300	20:45	-6 19.6976	136 22.2606
	8.	300	22:45	-6 31.5785	138 18.1680
End Line (1)	9.	301	02:45	-6 50.0196	136 11.9707
Start Line (2)	10.	301	02:45	-6 50.0196	136 11.9707
	11.	301	04:45	-7 0.5287	136 11.9927
	12.	301	06:45	-7 11.7463	136 12.0206
	13.	301	08:45	-7 23.2742	136 12.0282
	14.	301	10:45	-7 35.9313	136 12.0110
	15.	301	12:45	-7 47.5589	136 12.0177
	16.	301	14:45	-7 57.9812	136 12.0486
	17.	301	16:45	-8 10.2767	136 12.0164
	18.	301	18:45	-8 22.9617	136 11.9614
	19.	301	20:45	-8 34.6194	136 12.0000
	20.	301	22:45	-8 47.1490	136 11.9122
	21.	302	01:15	-9 03.1562	136 12.0026
	22.	302	03:15	-9 15.5548	136 11.8358
End Line (2)		302	03:45	-9 18.5135	136 11.9432
Start Line (3)	23.	302	22:07	-10 38.0987	139 11.0231
	24.	302	23:30	-10 32.0802	139 15.0356
	25.	303	01:30	-10 20.7221	139 20.7791
	26.	303	04:00	-10 05.6759	139 28 .3806
	27.	303	06:00	-9 53.0291	139 36.8400
	28.	303	08:15	-9 39.9532	139 41.4557
	29.	303	10:00	-9 31.0511	139 45.9378
	30.	303	12:00	-9 21.4213	139 50.7812
	31.	303	14:00	-9 11.2109	139 55.9288
	32.	303	16:00	-8 59.6269	140 1.8336
	33.	303	18:00	-8 48.6980	140 7.4258
	34.	303	19:45	-8 40.2424	140 11.8791
End Line (3)		303	21:00	-8 33.6071	140 15.2621