

## OONTONG-JAVA PLATEAU

V28-238

RC17-176

These cores were chosen for our initial effort because they typified normal open ocean conditions (see Fig 9; Tables 10, 11).

## REFERENCES

- Andrée, M, Beer, J, Oeschger, H, Broecker, W S, Mix, A, Ragano, N, O'Hara, P, Bonani, G, Hofmann, H J, Morenzoni, E, Nessi, M, Suter, M and Wolfli, W, 1984,  $^{14}\text{C}$  measurements on foraminifera of deep sea core V28-238 and their preliminary interpretation: Nuclear Instruments & Methods, v B5, p 340–345.
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- Shackleton, N J and Opdyke, N D, 1973, Oxygen isotope and paleomagnetic stratigraphy of equatorial Pacific core V28-238, oxygen isotope temperatures and ice volumes on a  $10^5$  year time scale. Quaternary Research, v 3, p 39–45.

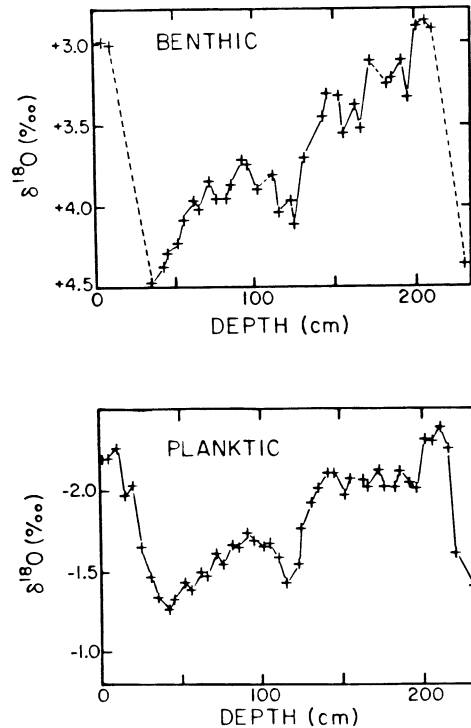


Fig 9. Oxygen isotope records for core V28-238 (Shackleton & Opdyke, 1973)

TABLE 10

V28-238 Equatorial Pacific Oontong-Java Plateau  
Location (01°01'N, 160°29'E) DEPTH 3120m

Depth (cm)	Coarse fraction (%)	Foram sp	Abund (no./gm)	Abund (mgm/gm)	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	Age (yr)	Ref*
3.	8TW 30.8	<u>G sacc</u>	632	-	-	-	Dec 83	4640 ± 160	4,6
"	"	<u>sacc frag</u>	-	-	-	-	Mar 84	4650 ± 100	4,6
"	"	<u>G ruber</u>	2067	19.1	-	-	"	5680 ± 90	4,6
"	"	<u>P obliq</u>	685	-	-	-	Dec 83	4760 ± 160	4,6
"	"	<u>N duter</u>	385	17.8	-	-	Mar 84	5410 ± 80	4,6
"	"	<u>M benth</u>	-	-	-	-	Dec 83	6150 ± 180	4,6
2.5-									
4.5	-	<u>G sacc</u>	-	-	-	-	July 84	5500 ± 230	6
"	"	<u>P obliq</u>	-	-	-	-	"	4330 ± 100	6
10-12	39.0	<u>G sacc</u>	535	-	-	-	Feb 83	5880 ± 100	4,6
"	"	<u>G ruber</u>	1433	1.9	-	-	Mar 84	7670 ± 100	4,6
"	"	<u>P obliq</u>	1604	-	-	-	Dec 83	6390 ± 160	4,6
"	"	<u>N duter</u>	92.0	0.3	-	-	Mar 84	9070 ± 120	4,6
"	"	<u>M benth</u>	-	-	-	-	Feb 83	9530 ± 80	4,6
"	"	<25 microns	-	-	-	-	"	6320 ± 60	4,6
"	"	25-63 microns	-	-	-	-	"	6620 ± 70	4,6
"	"	>63 microns	-	-	-	-	Mar 84	6870 ± 140	4,6
12-15	-	BULK CaCO <sub>3</sub>	-	-	-	-	-	8010 ± 150	
13-14	40.3	<u>G sacc</u>	249	12.3	-	9.4	Mar 84	8350 ± 100	4,6
"	"	<u>G ruber</u>	1907	-	-	-	-	-	
"	"	<u>P obliq</u>	613	27.4	-	10.5	Mar 84	8620 ± 100	4,6
"	"	<u>N duter</u>	-	-	-	-	-	-	
"	"	<u>M benth</u>	25.0	1.0	152	6.2	Mar 84	12,080 ± 120	4,6
15-16	38.6	<u>G sacc</u>	716	-	-	-	Feb 85	8190 ± 120	
"	"	<u>G ruber</u>	2339	-	-	-	-	-	
"	"	<u>P obliq</u>	1200	-	-	-	Feb 85	8450 ± 110	
"	"	<u>N duter</u>	143	-	-	-	-	-	
"	"	<u>M benth</u>	40.0	-	189	3.2	-	-	
18-20	45.3	<u>G sacc</u>	662	-	-	-	Dec 83	9730 ± 220	4,6
"	"	<u>G sacc</u>	955	-	662	17.8	Mar 84	8490 ± 150	4,6
"	"	<u>G ruber</u>	1079	11.8	-	-	"	9580 ± 110	4,6
"	"	<u>P obliq</u>	1486	-	515	41.2	Dec 83	9300 ± 220	4,6
"	"	<u>P obliq</u>	-	-	-	-	Mar 84	9680 ± 170	4,6
"	"	<u>N duter</u>	107	4.4	-	-	"	11,230 ± 130	4,6
"	"	<u>M benth</u>	49.0	-	540	8.1	Dec 83	11,660 ± 260	4,6
21-22	37.0	<u>G sacc</u>	270	-	208	-	Feb 85	10,230 ± 120	
"	"	<u>G ruber</u>	1862	-	-	-	-	-	
"	"	<u>P obliq</u>	719	-	60	-	Feb 85	10,470 ± 160	
"	"	<u>N duter</u>	195	-	-	-	-	-	
"	"	<u>M benth</u>	60.0	-	-	-	-	-	
25-26	33.1	<u>G sacc</u>	529	-	233	-	-	-	
"	"	<u>G ruber</u>	1114	-	-	-	-	-	
"	"	<u>P obliq</u>	935	-	75	-	-	-	
"	"	<u>N duter</u>	166	-	-	-	-	-	
"	"	<u>M benth</u>	61.0	-	-	-	-	-	
29-30	30.0	<u>G sacc</u>	138	-	208	-	Feb 85	11,880 ± 140	
"	"	<u>G ruber</u>	634	-	-	-	-	-	
"	"	<u>P obliq</u>	795	-	85	-	Feb 85	12,950 ± 140	
"	"	<u>N duter</u>	108	-	-	-	-	-	
"	"	<u>M benth</u>	69.0	-	-	-	-	-	

TABLE 10 (cont'd)

Depth (cm)	Coarse fraction (%)	Foram sp	Abund (no./gm)	Abund (mgm/gm)	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	Age (yr)	Ref*
30-31	25.7	<u>G sacc</u>	392	-	464	16.4	Dec 83	11,650 ± 260	4,6
"	"	<u>P obliq</u>	1069	-	315	21.7	"	12,680 ± 460	4,6
"	"	<u>M benth</u>	76.0	-	715	8.7	"	16,140 ± 390	4,6
34-35	21.6	<u>G sacc</u>	96	3.40	241	8.54	Mar 84	13,560 ± 220	4,6
"	"	<u>G ruber</u>	768	-	-	-	-	-	-
"	"	<u>P obliq</u>	340	23.5	80	8.0	Feb 85	14,340 ± 130	-
"	"	<u>N duter</u>	225	-	-	-	-	-	-
"	"	<u>M benth</u>	87.0	1.00	-	-	-	-	-
41-43	24.8	<u>G sacc</u>	93	-	-	11.0	Apr 83	17,780 ± 390	4,6
"	"	<u>P obliq</u>	648	-	-	11.0	July 83	19,620 ± 190	4,6
"	"	<u>N duter</u>	169	-	-	-	-	-	-
"	"	<u>M benth</u>	81.0	-	781	6.0	Apr 83	20,650 ± 220	4,6
"	"	<25 microns	-	-	-	-	"	17,800 ± 160	4,6
"	"	25-63 microns	-	-	-	-	"	19,440 ± 260	4,6
44-45	21.2	<u>G ruber</u>	288	-	-	-	-	-	-
"	"	<u>P obliq</u>	310	-	-	-	-	-	-
"	"	<u>N duter</u>	149	-	-	-	-	-	-
"	"	<u>M benth</u>	9.00	-	-	-	-	-	-
45-47	28.8	<u>G sacc</u>	-	-	-	-	Mar, 84	19,620 ± 240	4,6
"	"	<u>G ruber</u>	436	0.09	-	-	"	19,380 ± 260	4,6
"	"	<u>N duter</u>	180	6.4	-	-	"	21,000 ± 250	4,6
"	"	<u>M benth</u>	-	-	-	-	"	22,110 ± 350	4,6
50-51	25.9	<u>G sacc</u>	678	21.2	458	14.5	Dec, 83	19,610 ± 620	4
"	"	<u>G sacc</u>	678	-	-	-	Mar, 84	22,400 ± 1180	4
"	"	<u>G ruber</u>	504	5.20	-	-	"	21,030 ± 280	4
"	"	<u>P obliq</u>	1282	75.9	433	26.9	Dec, 83	22,630 ± 1290	4
"	"	<u>P obliq</u>	-	-	-	-	Mar, 84	22,180 ± 1090	4
"	"	<u>N duter</u>	182	0.50	-	-	"	22,890 ± 280	4
"	"	<u>M benth</u>	124	1.40	678	8.1	Dec, 83	22,440 ± 690	4
1200	21.5	<u>G sacc</u>	124	-	-	-	Mar, 84	>40140	4
"	"	<u>P obliq</u>	-	-	-	-	"	>41900	-
"	"	<u>P obliq</u>	-	-	-	-	Nov, 85	>42840	4
"	"	<u>G sacc</u>	-	-	-	-	"	>36400	-

\*Publication no. in which radiocarbon date has been published (see References cited)

TABLE 11

RC17-176 Equatorial Pacific Oontong-Java Plateau  
Location (03°45'N, 158°46'E) Depth 3156m

Depth (cm)	Coarse fraction (%)	Foram sp	Abund (no./gm)	Abund (mgm/gm)	No. tests analyzed	Weight analyzed (mgm)	Date of AMS analysis	Age (yr)
4-6	49.0	<u>G sacc</u>	351	-	-	-	Dec 83	6080 ± 190
"	"	<u>P obliq</u>	814	-	-	-	"	6710 ± 190
"	"	<u>N duter</u>	-	-	-	-	"	-
"	"	<u>M benth</u>	25.6	-	-	-	"	9400 ± 220