

SIERRA LEONE RISE

EN 066 39GGC

EN 066 21GGC

EN 066 32GGC

Study of the dependence of core top ages for *G menardi* and *G sacculifer* on water depth in cores of low sedimentation rate (~2cm/10³ yr). The study was initiated by Lisa Dubois of Brown University on cores originally studied by Curry and Lohmann of Woods Hole Oceanographic (see Table 2).

REFERENCES

- Curry, W B and Lohmann, G P, 1983, Reduced advection into Atlantic Ocean deep eastern basins during last glaciation maximum: Nature, v 306, no. 5943, p 577-580.
 ——— 1986, Late Quaternary carbonate sedimentation at the Sierra Leone Rise (Eastern Equatorial Atlantic Ocean): Marine Geology, v 70, p 223-250.

TABLE 2

EN 066 39GGC Equatorial Atlantic Sierra Leone Rise Location (5°04'N, 20°52'W) Depth 2818m								
Depth (cm)	Coarse fraction (%)	Foram Sp	Abund (no./gm)	Abund (mgm/gm)	No. tests Anal.	Weight Anal. (mgm)	Date of AMS Analysis	Age (yr)
2-3	-	<u>G menardi</u>	-	-	-	1.2	Sept 85	1860 ± 120
"	-	<u>G sacc</u>	-	-	-	12.1	"	4510 ± 170
"	-	<u>M benth</u>	-	-	-	9.0	"	5180 ± 180
10-11	-	<u>G menardi</u>	-	-	100	10.3	July 86	3920 ± 90
11-12	-	<u>G menardi</u>	-	-	-	10.1	Sept 85	4100 ± 160
"	-	<u>G sacc</u>	-	-	-	8.0	"	7720 ± 260
"	-	<u>M benth</u>	-	-	-	10.9	"	10,430 ± 350
13-14	-	<u>G menardi</u>	-	-	66	3.0	Aug 86	7510 ± 200
16-17	-	<u>G sacc</u>	-	-	208	10.5	Jan 87	15,130 ± 280
23-24	-	<u>G sacc</u>	-	-	-	11.6	Sept 85	19,290 ±1080
"	-	<u>G infla</u>	-	-	-	5.5	Feb 86	16,900 ± 250
"	-	<u>M benth</u>	-	-	-	5.7	"	20,430 ± 360
EN 066 21GGC Equatorial Atlantic Sierra Leone Rise Location (4°14'N, 20°38'W) Depth 3995m								
2-3	-	<u>G menardi</u>	-	-	-	11.8	Sept 85	2280 ± 130
"	-	<u>G sacc</u>	-	-	-	8.0	"	3800 ± 160
EN 066 32GGC Equatorial Atlantic Sierra Leone Rise Location (2°28'N, 19°44'W) Depth 5003m								
2-3	-	<u>G menardi</u>	-	-	-	10.9	Sept 85	2840 ± 130
"	-	<u>G sacc</u>	-	-	-	8.1	"	4070 ± 160