

Graduate School of Oceanography
 UNIVERSITY OF RHODE ISLAND
 Kingston, Rhode Island 02881

CRUISE REPORT

R/V GYRE 76-G-6 Texas A & M University

ITINERARY: 5 June 1976 Depart Abidjan, Republic of the Ivory Coast

16 June 1976 Arrive Recife, Brazil

DAYS AT SEA: 12

FUNDING: NSF Grant (Proposal No. 7608273)

ONR Grant N000-14-76-C-0226

PROGRAM DESCRIPTION:

Piston coring was carried out in the equatorial Atlantic for the purpose of organic geochemical studies on the diagenesis of organic matter from various marine environments. Surface and deep water hydrocasts were taken to investigate the nature and distribution of organic matter in the equatorial Atlantic. Atmospheric samples were obtained for the determination of chlorinated hydrocarbons in the marine atmosphere.

SCIENTIFIC PARTY:

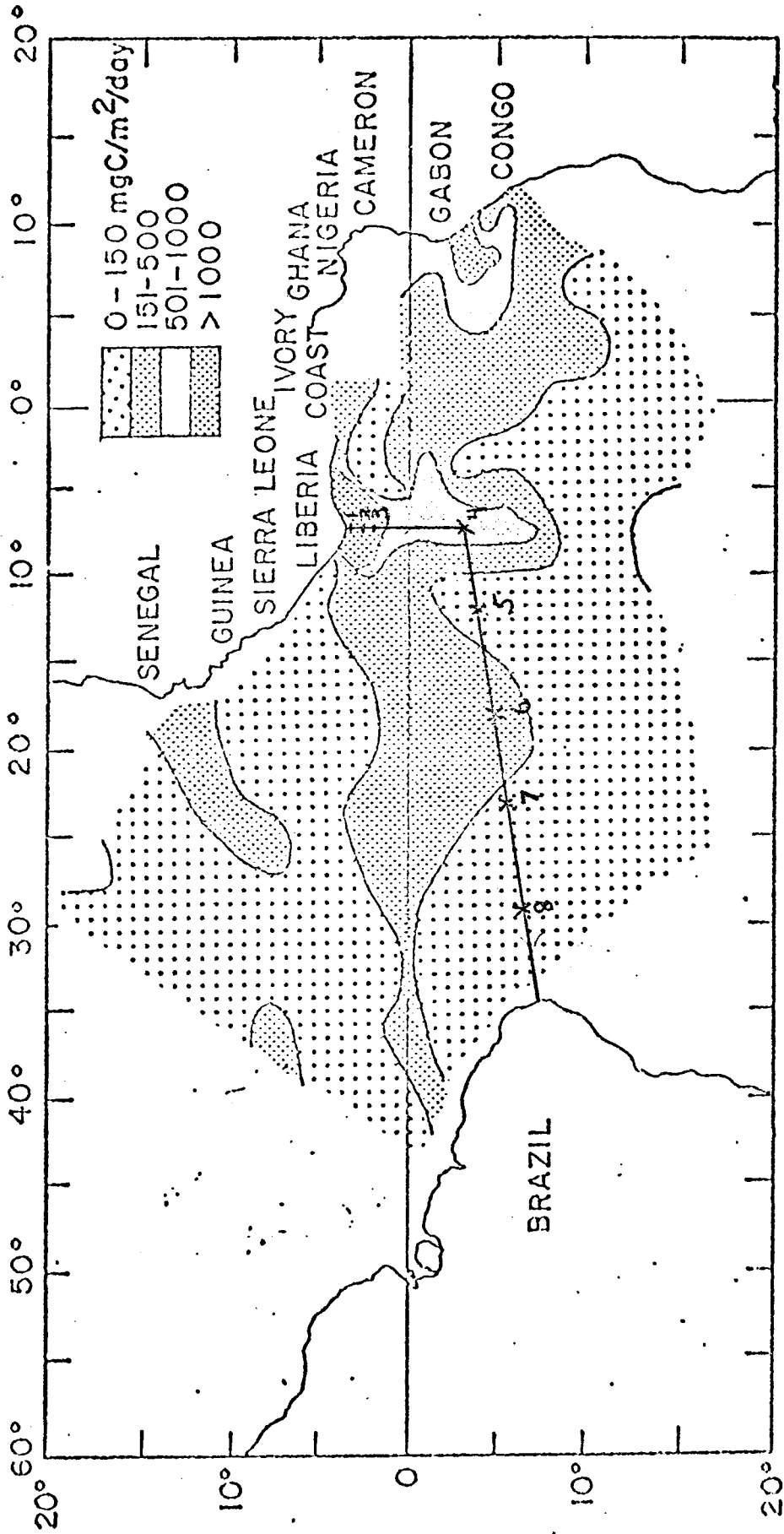
Edward Van Vleet	Graduate Student, Chief Scientist*	URI
Richard Kerr	Graduate Student	URI
Jane Elrod	Graduate Student	URI
Anthony Paulson	Graduate Student	URI
Theo Duis	Marine Technician	TAMU
Ed Vos	Marine Technician	TAMU
R. V. Pittman	Electronic Technician	TAMU

* All inquiries regarding cruise should be directed to the Chief Scientist.

SAMPLING RECORD

Station	Location	Depth (m)	Samples obtained	Sample description
1	4°26.3'N 6°59.2'W	93	Piston core (284 cm)	Loose silt over very coarse sand
2	4°18.5'N 7°00.0'W	1030	Piston core (959 cm) Trigger core (34 cm) Hydrocast (100 m) XBT	sandy clay over clay
3	2°02'N 7°00'W	2685	Piston core (1017 cm) Trigger core (89 cm)	clay over calcareous ooze over very fine clay
4	2°33.2'S 7°00.2'W	2438	Piston core (241 cm) Trigger core (56 cm) Hydrocast (100 m)	--
5	3°46'S 12°06'W	1640	Piston core (876 cm)	white sandy clay
6	4°59.5'S 18°28'W	2335	Piston core (291 cm)	brown and grey muddy sand
7	6°23.9'S 25°36.2'W	3110	Piston core (1073 cm) Trigger core (99 cm) Hydrocast (1000 m) XBT	very fine brown clay
8	7°19.0'S 31°00.7'W	2883	Piston core (942) Trigger core (79 cm)	brown clay

Atmospheric samples taken while underway between stations (Stations 3-8).



R/V GYRE CRUISE 76-G-6