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Cruise Report
HMS Farnella Leg 3B
22 October - 2 November 1985
Cayman Trough, Caribbean

Vessel: HMS Farnella

Participating Agencies

- a. USGS
- b. Institute of Oceanographic Services (IOS)
- c. Research Vessel Services (RVS)

Scientific Party

N. Terence Edgar (C.S.)	USGS
G. Hill	USGS
W. Dillon	USGS
K. Scanlon	USGS
D. Blackwood	USGS
L. Parsons	IOS
D. Bishop	IOS
R. Bonner	IOS
J. Campbell	IOS
A. Harris	IOS
J. Cherriman	IOS
C. Jacobs	IOS
D. Lewis	RVS
D. Jones	RVS

Purpose of Cruise

To ensonify the central region of the Cayman Trough with the GLORIA side-scan system. The Cayman Trough is a narrow rectangular deep which contains a sea-floor spreading system. The survey took place over the coastal region of the spreading ridge and along one line to the eastern extremity of the Trough. These data provide detailed information of the history of spreading in the Trough and thus the nature of the northern Caribbean plate boundary.

Equipment

- GLORIA
- 80 and 160 cubic inch airgun seismic system
- magnetometer
- 3.5 khz and 10 khz
- Sat. Nav., Loran C, GPS

Total Distance

GLORIA	-	1697 n.mi	3139 km
seismic	-	1462 n.mi	2705 km
magnetometer	-	1697 n.mi	3139 km
3.5 and 10 khz	-	1697 n.mi	3139 km