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United States Department of the Interior

GEOLOGICAL SURVEY

MEMORANDUM

Date: April 7, 1987

To: B. Halley, H. Kneble, D. Folger, G. Hill, T. Aldrich, J. Dodd, S. Barton, J. Newell, T. O'Brien, G. Sexton, N. Soderberg, B. Henry (DMA), T. Cooke (State Dept.)

From: B. Irwin

Subject: Cruise Report R/V Starella

Cruise No. : S1-87

Area of Operation: Cape Verde Islands

Cruise Start/End Dates; Ports: 22 Feb 1987 - Mindelo, C.V.
21 Mar 1987 - Mindelo, C.V.

Chief Scientist: Barry Irwin

Scientific Party; Affiliation:

Barry Irwin	USGS-AMG
Carol Parmenter	USGS-AMG
Robin Bouse	USGS-AMG
Chuck Gilbert	USGS-PMG
Robert Bowles	contractor
John Ryland	Racal
Brian Franklin	J. Marr

Ships Captain: John Nichols

Purpose: Collection of gravity and bathymetry data in and around the Cape Verde Islands as specified by DMA requirements.

Navigation Techniques: Global Positioning System, Racal-Hyperfix, Racal-Microfix

Equipment: USGS Gravity Data Logging System
LaCoste and Romberg Air/Sea Gravimeters S-26 and S-41
Raytheon PTR 12KHz Bathymetry System
Racal Hyperfix and Microfix Navigation Systems
General Electric 810 Correlation Sonar
Magnavox System 5000 Intergated Navigation System

Tabulated Information:
Days at sea: 24
Kilometers surveyed: 4410
Kilometers steamed : 6737