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CRUISE REPORT

R/V JAMES M. GILLISS GS7903-1

May 1979

Richard E. Sylwester, Chief Scientist

R/V JAMES M. GILLISS GS7903-1

United States Geological Survey (Test Cruise)

Area of Operation: Miami, Florida to Woods Hole, MA.

Start Cruise: 23 May 1979 0800

Complete Cruise: 30 May 1979 0700

Chief Scientist: Richard E. Sylwester Captain: Robert Hagen

Scientific Party:

<u>USGS</u>	<u>WHOI</u>	<u>GUESTS</u>
Dave Folger	Tom O'Brien	George O'Keefe - EPC Labs
Jerry McCarthy	Keith Van der Heidt	Ian Watson - D&M
Bob Bowles	Dan Shaughnessey	Lee Stihl - SEI
Barry Irwin	Dave Mason	
Jim Sullivan	Dave Gever	
John Larson		
Jim Dodd		
Al Goodman		

Purpose of Cruise:

To test and evaluate geophysical systems to be used during the summer field season. These systems were: Integrated Navigation System, Marine Gravimeter, 3.5 Kh_z Array, Sparker, Air guns, Multichannel Streamer, Magnetometer, and Refraction Equipment.

Navigation Techniques: INS, NORTH STAR, LORAN C.

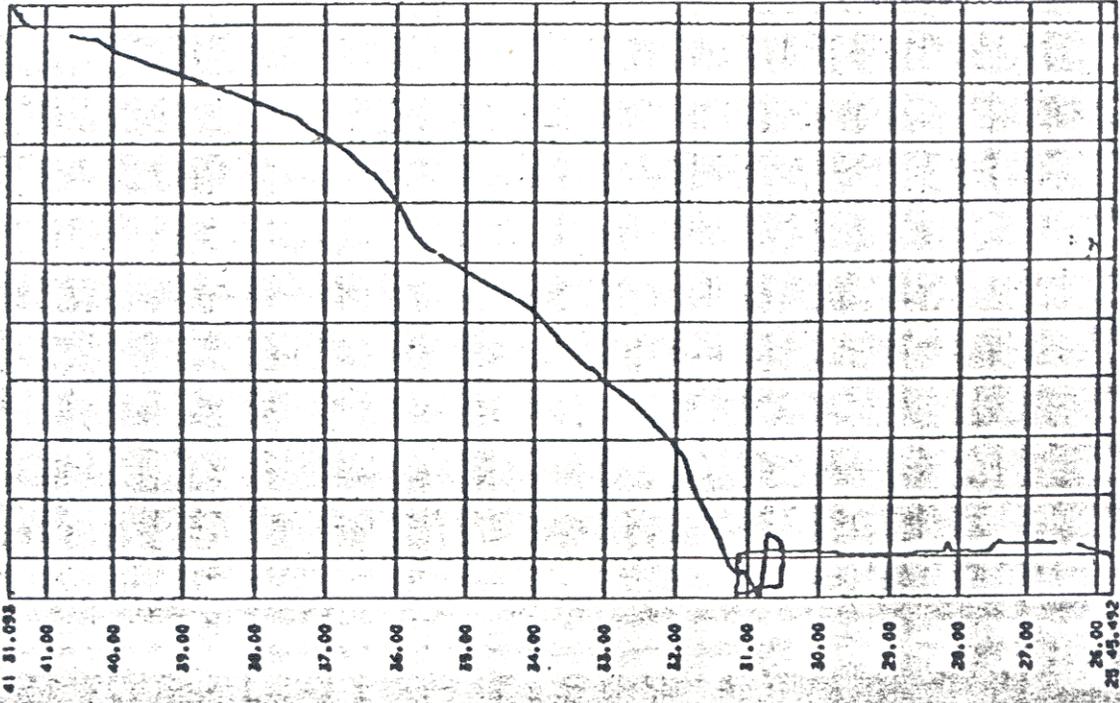
Scientific Equipment Deployed: 5, 40, 540 In³ air guns, sparker, multi-channel streamer, magnetometer, refraction buoy and 3.5 Kh_z array.

Tabulated Information:

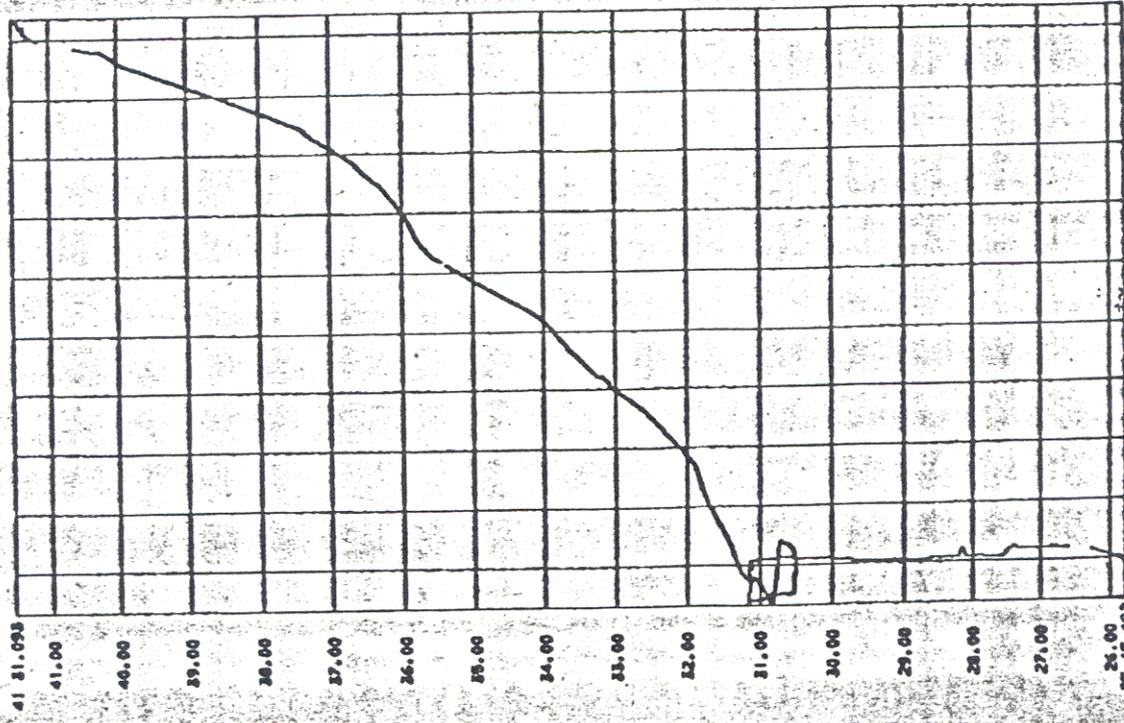
- a. Days at Sea - 7
- b. Number of Km of data - Discontinuous due to testing equipment under various conditions
- c. Station occupied: None

Track Chart: Attached

- GRID
- TRACK
- INTERP
- DELETE
- LATLON
- TIME
- EXCHNG
- WINDOW
- FIRSTM
- NEWFV
- SENSOR
- MERGE
- HELP
- LIST
- EXIT



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