

CRUISE REPORT  
28 August 1990

1. Ship Name (Parent vessel if submersible used)/submersible name:  
R/V ERDA 1
2. Cruise number and leg (if any): MB-90-1 and AL-90-1
3. Parent project: Mississippi/Alabama/USGS Cooperative # 9460-27017
4. Funding amount: 30,000
5. Funding agency: USGS
6. Contract number:
7. Contract start and end date: FY '90
8. Area of operations: Mobile Bay, AL; Gulf of Mexico
9. Dates and ports, start and end cruise: August 12, 1990, Mobile, AL;  
August 24, 1990, Dauphin Island AL,
10. Chief scientist: Jack Kindinger and Guy Gelfenbaum, USGS, St. Petersburg, FL
11. Names and affiliations of scientific party; ship's captain: Conrad Tome, Capt. Argonne Nat'l Labs, Richard Hummel and Steve Parker, Alabama Geological Survey, Dave Nichols, USGS, Woods Hole, MA and Dana Wiese, USGS, St. Petersburg, FL
12. Brief statement of purpose of cruise: Collect nearshore and Mobile Bay, high resolution seismic, as part of coastal project to study coastal erosion, includes surficial water samples to correlate to satellite photos
13. Brief statement describing navigation techniques: GPS & Loran C, recorded to hard disk with floppy disk backup (ASCII File), fixes taken every 5 min.
14. Scientific equipment:
  - Geopulse: Power - 125 joules
  - Graphic Recorder - EPC
  - Tape Recorder - HP 1/4 in. rec. speed 1 7/8
  - 10 tapes
  - Channel
    - 1 FM Filtered Signal 700/5 kHz
    - 2 FM Raw Signal
    - 3 FM Time Code
    - 4 FM -----
    - 5 DIR Servo
    - 6 DIR Geopulse Key
    - 7 DIR -----
    - 8 DIR -----

