



*Lamont-Doherty
Earth Observatory*
of Columbia University

P.O. BOX 1000 / RT 9W / PALISADES, NY 10964-8000 USA / 914-359-2900

June 30, 1993

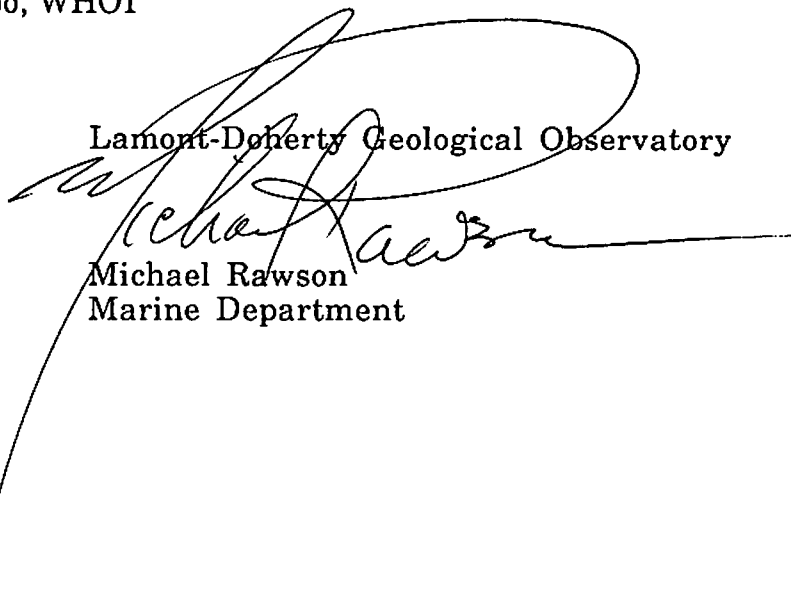
| | |
|--------------|----------------------------|
| TO: Bash, J. | UNOLS, URI |
| Hayes, D. | L-DGO |
| Kaulum, K. | ONR |
| Dieter, E.R. | OCFS/NSF, Rm. 609 |
| C.O. | Naval Oceanographic Office |

SHIP UTILIZATION DATA
R/V MAURICE EWING

The following Ship Utilization Data formas have been completed for R/V MAURICE EWING cruises during 1993:

| | |
|---------|-----------------|
| EW93-01 | D. Hayes, L-DEO |
| EW93-02 | D. Oppo, WHOI |

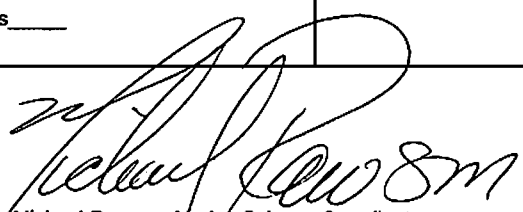
Lamont-Doherty Geological Observatory


Michael Rawson
Marine Department

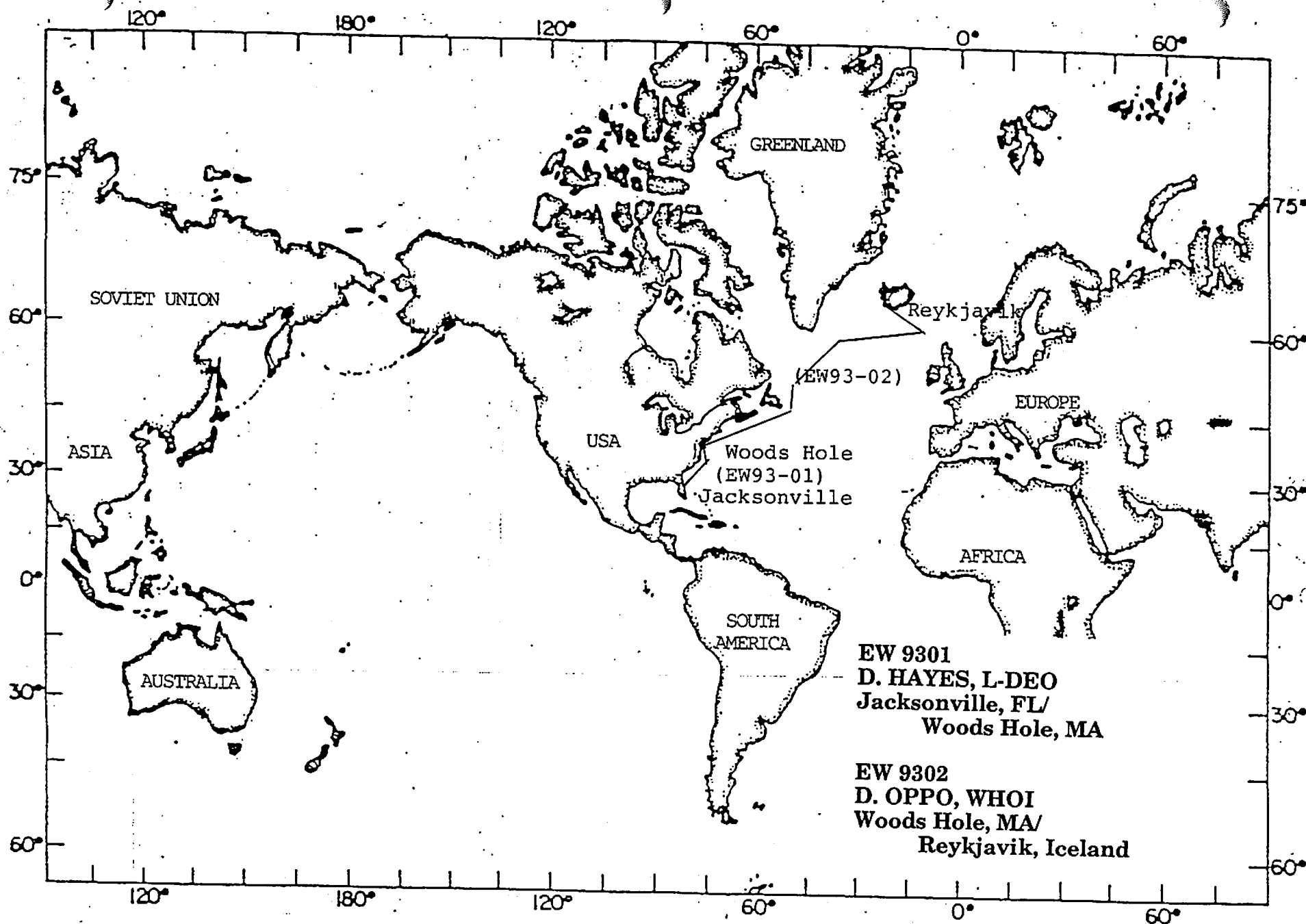
CRUISE REPORT

UNOLS 12/89

Ship Utilization Data

| | | | | | |
|---|---|---|--|---|--|
| 1. Ship Name W MAURICE EWING | | 2. Operating Institution Lamont-Doherty Earth Observatory Palisades, N.Y. 10964 | | 3. Cruise (leg) Number EW93-01 | |
| 4. Dates of Project: Begin: 17 May 1993 End: 24 May 1993 | | 7. Participating Personnel: | | Function on Cruise (Ch.Sci.,Obs.,Tech.,Grad. Student, Undergrad, For.Obsv.) | |
| Port Calls | | Code Title Name Institution | | Dates (If less than entire cruise) | |
| Place Date | | 1. Dr. D.E. Hayes, L-DEO | | Ch. Scientist 5/17-5/20 | |
| Jacksonville 1 Jan-16 May | | 2 Dr. M. McNult, MIT | | Scientist 5/17-5/20 | |
| Woods Hole 24-May | | 3 Dr. John Mutter, L-DEO | | Scientist 5/17-5/20 | |
| 5. Number, Sea Days 6. Number, Port Days | | 4 Mr. Joseph Stennett, L-DEO | | Sci Officer (Tech) | |
| 7 | 1 | 5 Mr. James A Smith, L-DEO | | Port Engineer (Tech) 5/17-5/20 | |
| 8a. Area of Operations, Area Index and Geographic Description NA6 East Coast USA | | 6 Mr. Dale Chayes, L-DEO | | Hydrosweep Engineer (Tech) 5/17-5/20 | |
| 8b. Research in Foreign Waters? <u>NO</u> | | 7 Dr. D. Caress, L-DEO | | Scientist | |
| Country: | | 8 Ms. Suzanne O'Hara, L-DEO | | Hydrosweep Engineer (Tech) | |
| | | 9 Mr. S. Budhypromano, L-DEO | | Computer Specialist (Tech) | |
| | | 10 Mr. William Robinson, L-DEO | | Computer Specialist (Tech) | |
| | | 11 Mr. R. Maiwiriwiri, L-DEO | | Core Bosun (Tech) | |
| | | 12 Mr. Carlos Alvarez, L-DEO | | Seismic Engineer (Tech) | |
| | | 13 Mr. John DiBernardo, L-DEO | | Seismic Engineer (Tech) | |
| | | 14 Mr. Bruce Francis, L-DEO | | Sci Officer (Tech) | |
| | | 15 Mr. Jay Ardai, L-DEO | | Hydraulics Engr (Tech) 5/17-5/20 | |
| Use reverse of necessary | | | | | |
| 9. Primary Project(s) | | | | | |
| a. Project Title, Principal Investigator, Institution | | b. Sponsoring Agency/ | | c. Grant or Contract | |
| Transit and sea trials following yard period in Jacksonville Florida | | NSF | | OCE93-01213 | |
| | | | | d. Participating Personnel | |
| | | | | DR. D.E. Hayes | |
| | | | | ee. Discipline | |
| | | | | MG&G | |
| 10. Ancillary Project(s) | | | | | |
| a. Project Title, Principal Investigator, Institution | | b. Sponsoring Agency/ | | c. Grant or Contract | |
| None | | | | | |
| | | | | d. Participating Personnel | |
| | | | | | |
| 11. Science Party: | | 12. Cost Allocation Data | | | |
| Scientists_4__ Grad. Students_0__ | | a. Days Charged | | b. Agency or Activity Charged | |
| | | 8 | | NSF | |
| Undergrads_0__ Technicians_11__ | | | | c. Grant or Contract No. | |
| | | | | OCE93-01213 | |
| Observers_____ | | | | | |
| Foreign Observers_____ | | | | | |
| 13 | | | | 30-Jun-93 | |
|  Michael Rawson, Marine Science Coordinator Title, Signature, Operating Institution Official | | | | Date | |

6/30/93



TRACK CHART