

Appendix VIII

NAVO Report

UNOLS 98 Operations



CAPE HELOPEN	42 Days	Physical Oceanography
CAPE HATTERAS	56 Days	
WECOMA	15 Days	
PELICAN	24 Days	
REVELLE	135 Days	Gravity Survey
THOMPSON	60 Days	Gravity/Physical Oceanography
KNORR	19 Days	AUTEC Range update
NEW HORIZON	80 Days	SCORE Range update

NAVO/UNOLS Data Collection Metrics



⇒ Gravity task

- ↳ UNOLS completed 25% of requirement FY 97
- ↳ FY 98 UNOLS scheduled for 58% of priority requirement
- ↳ FY 99 scheduled shiptime completes all areas possible
 - ↳ EEZs prohibits UNOLS from fulfilling total gravity requirement

⇒ Physical Oceanography observations (processed data to date)

- ↳ Cores 150
 - ↳ Grabs 92
- ↳ CTD's 3517
- ↳ XBT's 1421

⇒ FLEET training areas

- ↳ Upgraded bathymetry and hydrophone placement requirement
 - ↳ Shallow and deep water requirement at (AUTEC)
- ↳ Completed all Southern California (SCORE) range geophysical sampling

Scheduling and cost comparisons



1998

1999

⇒ **Ship days** **431**

⇒ **Ship days** **460**

⇒ **Funds** **7.5M**

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 ↳ Ships 6.6M

 ↳ Ships 6.4M

 ↳ Other 0.9M

 ↳ Other 1.1M

⇒ **UNOLS Institutions** **7**

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⇒ **Ships Used** **8**

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UNOLS 99 Operations



CAPE HELOPEN	37 Days	Physical Oceanography
CAPE HATTERAS	56 Days	
PELICAN	45 Days	
PT SUR	34 Days	
THOMPSON	41 Days	
REVELLE	145 Days	Gravity Survey
NEW HORIZON	60 Days	SCORE Range update
MELVILLE	42 Days	Hull Integrity test site