



**NOAA Teacher at Sea
Noah Doughty
Onboard NOAA Ship WESTERN FLYER
September 18 – 22, 2006**

NOAA Teacher at Sea: Noah Doughty
NOAA Ship: WESTERN FLYER
Mission: USS MACON Archeological Expedition
Day 5: Friday, September 22, 2006

Noon Weather Report from the Bridge

Visibility: Good
Wind direction and speed: ESE at 7 kts
Swell direction and height: NW at 4-6'
Seawater temperature: 56.4
Sea level pressure: 1013.3 millibars
Cloud cover: 8/8

Science and Technology Log

Dr. Rock and Kristof Richmond of Stanford University left the ship late yesterday afternoon, wrapping up the image collection for the photo-mosaic. Leaving with them was John Geoghegan, a writer for the Smithsonian Air and Space Magazine and the Naval History Magazine. Joining the expedition are Scott Rayder, NOAA Chief of Staff, Richard G. Van Treuren, representing the Naval Airships Association, and Tim Thomas from the Maritime Museum of Monterey.



NOAA Teacher at Sea Noah Doughty with the Monterey Bay Aquarium Research Institute (MBARI) R/V WESTERN FLYER in the background.



NOAA Chief of Staff (left), Scott Rayder, and TAS Noah Doughty

Today's activities were devoted to groundtruthing side-scan sonar anomalies located away from the two main debris fields. This is accomplished by simultaneously moving the ROV and the WESTERN FLYER from site to site, a process that would take the better part of an hour depending on the distance being traveled. The transition provided me with an opportunity to briefly operate the "Science Cam", the seat were you get to operate the zoom, angle and focus of the HDTV camera. Most of the anomalies were shallow depressions in the muddy

bottom with two large sonar hits turning out to be old fish traps. We did find one large artifact resembling an imploded fuel cell quite a ways from the main debris fields.

Today is the last day of the expedition and I would like to take the opportunity to thank the NOAA Teacher at Sea Program, the Monterey Bay National Marine Sanctuary Program, and the Monterey Bay Aquarium Research Institute for the opportunity to be part of such an amazing experience. Finally I would like to thank the ROV Pilots of the *Tiburón* and the crew of the WESTERN FLYER for providing insightful answers and explanations to a number of questions.