

EVANS-HAMILTON, INC.

APPLIED OCEANOGRAPHY AND MARINE INSTRUMENTATION

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## **03-05 March 2003 Cape Fear Service Trip Report**

**6000.14**

03MAR2003 Monday – Travel Day

Traveled to Wilmington from Houston on Southwest Airlines

Depart HOUSTON HOBBY(HOU) at 09:50AM and

Arrive in RALEIGH DURHAM(RDU) at 02:20PM

Traveled via rental car to Southport, NC checked in to Hampton Inn

04MAR2003 Tuesday – Turnaround EL, OK, and BH ADCP's

Dan Freer and I met at the Coast Guard station to prepare WH ADCP S/N 1506 for deployment at EL12. The divers departed to recover OK12 while Dan and I mounted and calibrated the replacement ADCP for EL. The Divers returned with the OK12\_ ADCP

S/N 1619 for Dan and I to turnaround. The ADCP was cleaned, a new screw was installed for the pressure port, and the memory cards were swapped; installed 512 and 224 MB cards for OK13\_.

Dive boat returns with BH ADCP from Deployment BH12\_, S/N 481. They pick up OK13\_ S/N 1619 and depart with EL12\_ S/N 1506 for redeployment. Dan and Commence download of BH12\_ after cleaning. Batteries did not require replacement. The memory was replaced with a 512 and 256 MB cards. The pressure port was cleaned and a new screw was installed. Then a compass calibration was performed

The dive boat returns from redeployment at OK13\_ and recovery and EL11\_ S/N 1818. And departs with newly configured BH13\_ S/N 481.

While Dan Freer cleans the EL11\_ ADCP and downloads the data, I traveled to Bald Head Island to restart BH13\_ and to inspect the shore station. I returned to the hotel and backed up the downloaded data from EL at 2000 EST.

Plans were to adjust the configuration at OK13\_, reducing the binsize to 0.35m from 0.50 to improve data quality as recommended by RD Instruments' Paul Devine.

05MAR2003 Wednesday – Travel to next job

Travel to Wilmington, NC