

**Trip Objectives:/Accomplishments = (√) Not Done = (°)**

- ✓ Service ADCPs and replace UATs at EL, BH and OK locations
- ✓ Check out Oak Island real time PC and WavesMon program at shore station
- ✓ Inspect Oak Island light house and USCG station tower for possible antenna placement for Bald Head real-time conversion

**Summary:**

Recovered old and installed fresh ADCP and UATs at EL, BH, and OK sites.

No data gaps, all gages recorded good

Used one dive day.

Boat was Eason dive boat

Oak Island shore station computer working fine.

**Data:**

Deployment	Gage SN	In Date	Out Date	Total days	File Size	Battery
EL19	1818	9 May 06	28 Sep 06	142	289.7Mb	35.18
BH21	0481	26 Apr 06	28 Sep 06	155	286.2Mb	36.78
OK21	2989	27 Apr 06	28 Sep 06	154	615.2Mb	44.06

**Chronological Details (All times are DST)****22 and 25 September 2006**

At FRF getting gages, UATs and cassette plates ready for deployment.

**26 September 2006**

Loaded equipment and traveled to Southport, NC.

**27 September 2006**

Did compass calibrations on the gages, visited the Oak Island shore station.

**28 September 2006**

Met with Eason divers at the US Coast Guard pier, Oak Island

Conducted dive safety brief

Motored to EL site

Anchored at EL

UAT is working, Diver found pod using Pinger finder.

Diver found old screw anchor used for sediment trap

Old ADCP on surface, still pinging

Old UAT's up, mounted on back to back angle with hose clamps

New ADCP and 2 UAT's deployed

Anchored at BH site

UAT is working, Diver found pod using Pinger finder.

Old ADCP on surface, still pinging

Old UAT up

New ADCP and UAT deployed  
Anchored at OK site  
UAT is working, Diver found pod using Pinger finder.  
Old ADCP on surface, still pinging  
Old UAT up  
Disconnected communication cable  
Connected cable to new ADCP did comms check with Buck Vest (Minges Tech) at Oak shore station  
New ADCP and UAT deployed  
At USCG station, cleaned and disassembled gage cassettes, and offloaded data from gages  
Climbed Oak Island light house and took pictures of cable accesses for possible routing and mounting locations for conversion of BH gage to real time.  
Went to Oak shore station to check collection

### ***29 September 2006***

Restarted WavesMon collection on Oak Island shore station PC  
Drove Govt Truck back to FRF

### **Suspense items:**

Replace Compact Cabinet Cooler at OK shore station  
PN CC250F-115, sn 11379, mfg. Noren, Menlo Park, CA ph. 650-322-9500  
Replace UPS at Oak Island Shore station

Pictures here



BH22, OK22, EL20 Predeploy with Trilux antifoulant paint 27 Sept 06  
Pressure ports and temperature probes taped for painting.