

## Cape Fear Service Trip

29 July- 2 Aug 02

Townsend

29 July 02- Left FRF @ 0730 and arrived Southport @ 1530.

30 July 02- We met @ the Oak Isl CG station @ 0700. Andy and Trap of EHI were there as well as Eason Dive team. The marine forecast called for 3 to 4 ft waves and winds sw 15 to 20K. The boat was loaded and I went out with divers to try to pull OK. Once we got into the ocean it was pretty clear we would not be able to dive OK. We went back by BH to see if we could do anything there but it was the same or worse. We returned to shore and kept the boat and gear in place so we would be able to get away quickly on the 31<sup>st</sup>. Andy and Trap worked on the shore station side of OK.

31 July 02- We met again @ 0700 and conditions were good. The divers, Trap and I went offshore to eleven mile and dropped Andy off on BH to do work on that station there. The EL ADCP was pulled @ 0900 EDST. We went from there to MD and that ADCP was pulled @ 1023 EDST. MD was the last to pull off the mound experiment so the pod and the SED were also pulled out. We went from there to BH and that ADCP was pulled @ 1124 EDST. We stopped and picked up Andy and took all the gear back to shore. We unloaded and the divers and I went back out and went to OK. That ADCP was pulled @ 1315 EDST. I worked with Andy who was onshore and buzzed out the cable and  
it rang out as being good. The diver used a comealong and chain on cable and got another

foot out of the cable in order to get the placement of the cable and splice in the correct position. We returned back to CG station and helped clean up instruments so they could be setup for deployment on the 1<sup>st</sup>.

1 Aug 02- We left CG station @ 0730 and went to BH. ADCP was installed @ 0800. We returned to CG station and picked up gages for OK and EL. We went from there to OK. The diver brought the cable to surface and the split hose was put over the SO data pigtail. The ADCP was hooked up and worked well thru the system. We went from there to EL and that ADCP was deployed @ 1246. Seas had gotten larger so we were not able to pull the old pod that is there. We returned to CG station and shut down.

2 Aug 02- Left Southport and returned to FRF @ 1530. Mission complete.

Notes:

OK- ADCP SN 1619 out 31 July 02 –1315EDST

ADCP SN 1885 in 01 Aug 02 –1115EDST

Transponder SN 2209 Replaced with SN 2082 Xmits 30 KHZ

Old SED pulled and new SED installed –Bottom of Sed is sitting on bottom

MD- ADCP SN 1506 out 31 July 02 –1023EDST

SED pulled

This system will not be redeployed.

BH-ADCP SN 480 out 31 July 02 –1124EDST

ADCP SN 480 in 01 Aug 02 –0800EDST

Old SED pulled and new SED installed-Bottom of SED is sitting on bottom

EL- ADCP SN 1818 out 31 July 02 –0900EDST

ADCP SN 1506 in 01 Aug 02 –1246EDST

Old SED pulled and new SED installed –Bottom of SED is sitting on bottom

\*\*\* ADCP SN 1818 and SN 1619 sent to RDI for repairs.

SEDs- pictures were taken by Trap and emptied and bagged. I took them with me

Back to FRF and shipped to Battisito @ VIMS