

# *NB vs OS ADCP Report*

based on data taken on  
board R/V Endeavor by:

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Instruments

# *Introduction*



- Data were taken on board R/V Endeavor 22 – 28 February 2001 enroute from Tampa, FL to Narragansett
- Detailed copies of the report are available at the UH FTP site
- The purpose of the study was to collect and evaluate data taken with OS75 and NB 150 systems

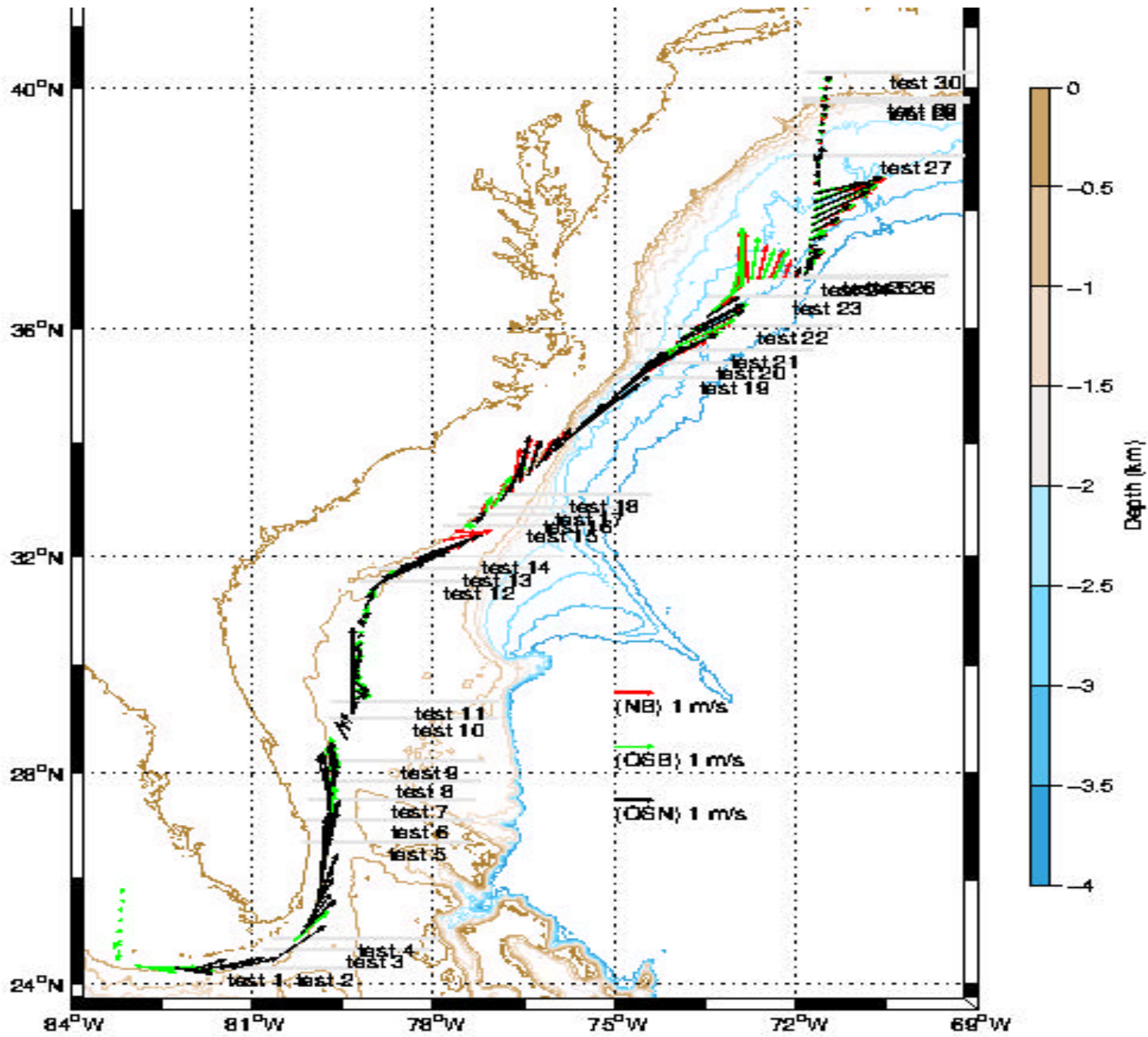
# *Topics of Discussion*

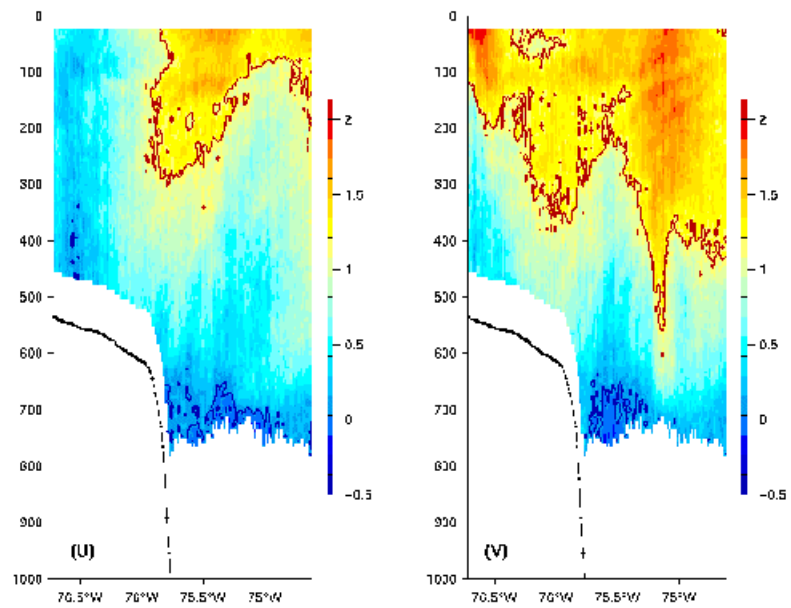


- Historical Background
- Phased array vs: NBADCP
- Cruise Track
- Data Examples
- Conclusions

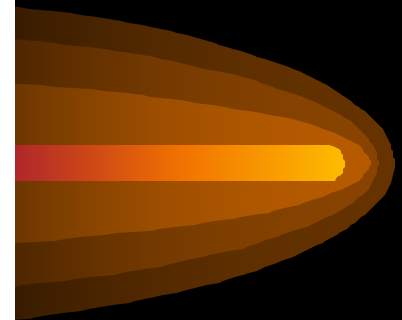
# *Phased Array Vs NBADCP*

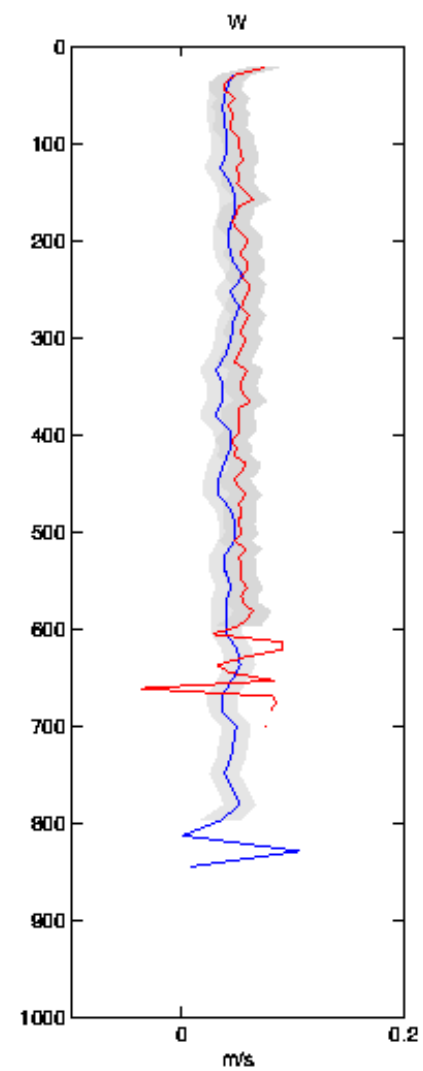
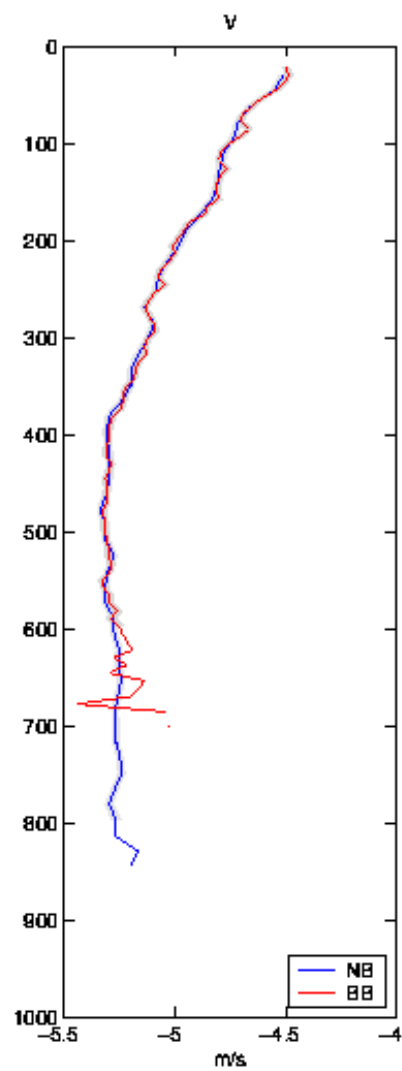
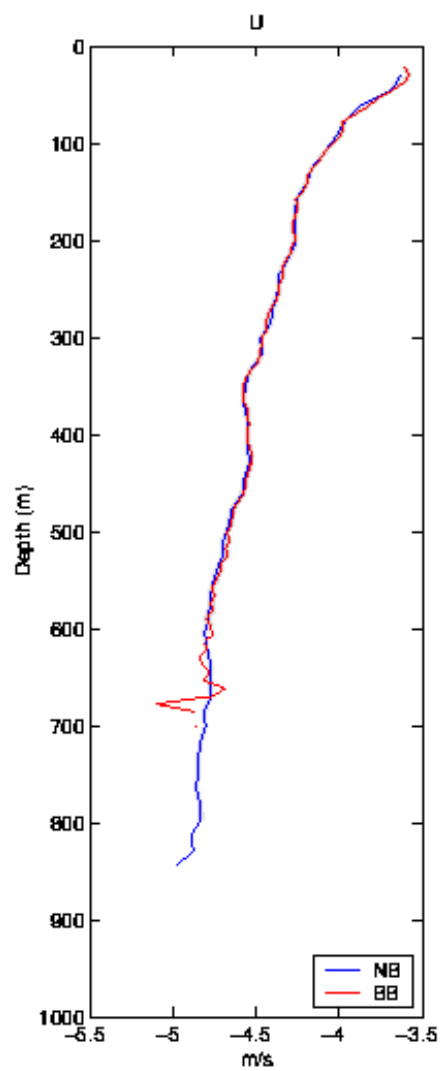
- A test was devised in cooperation with RDI and UH, NSF agreed to fund the effort
- Because Phased Array and Narrow band instruments utilize differing technologies a baseline of concurrent measurements and comparison studies is a requirement for acceptance by the scientific community.
- The test was conducted on board R/V Endeavor during transit from Tampa to Narragansett in February of this year
- The systems utilized in the test were RDI VM150NB and OS75 PAADCP.



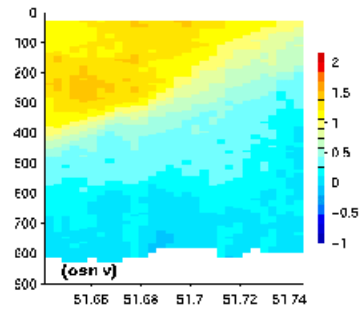
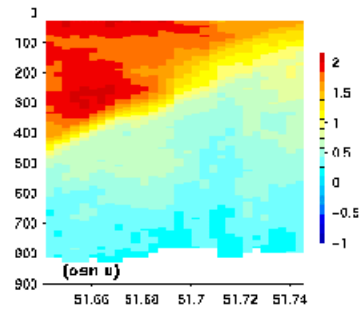
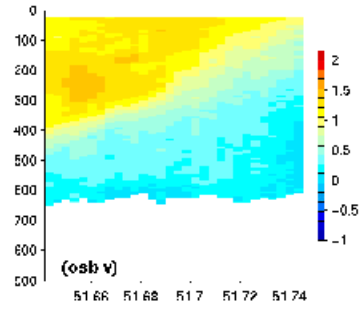
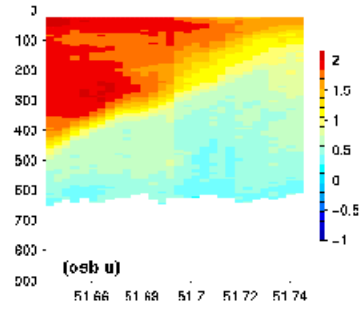
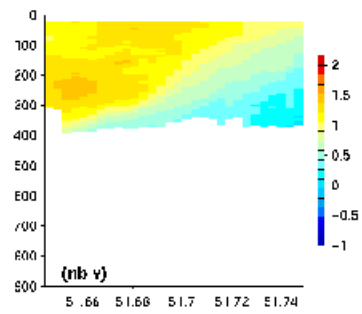
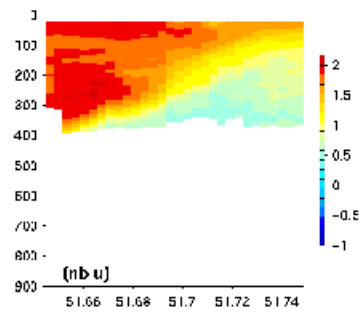


Ocean Surveyor, NB pings, 8m cells

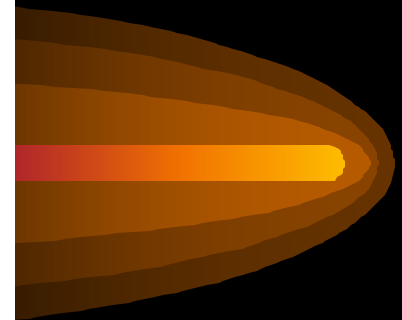




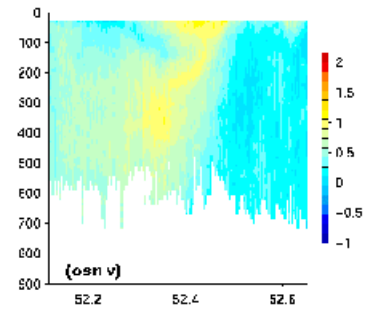
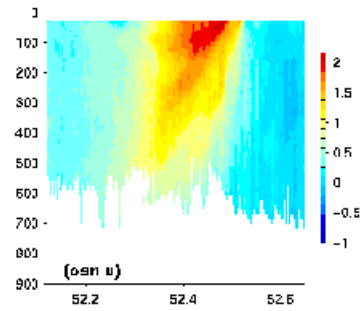
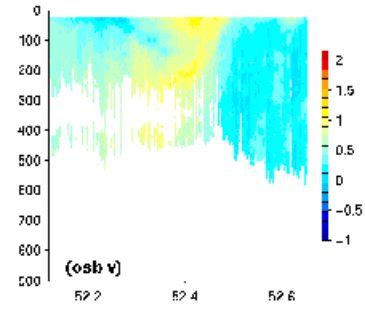
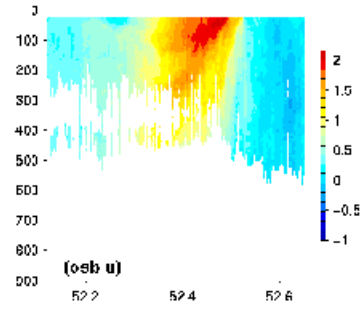
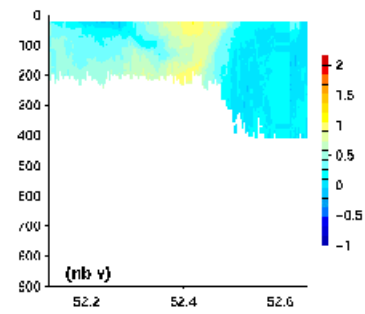
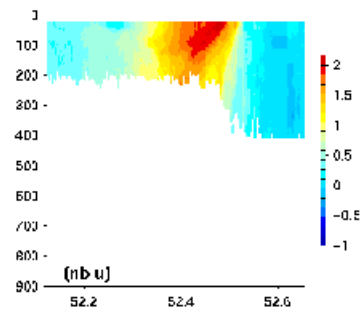
dday range 51.73 – 51.75



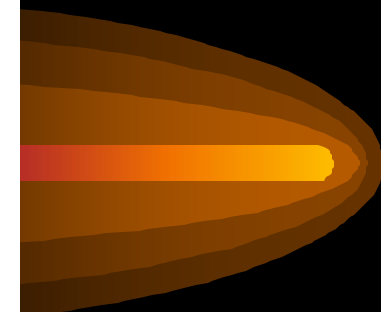
test 22: N = 31 (nb8, osb8, csn16)

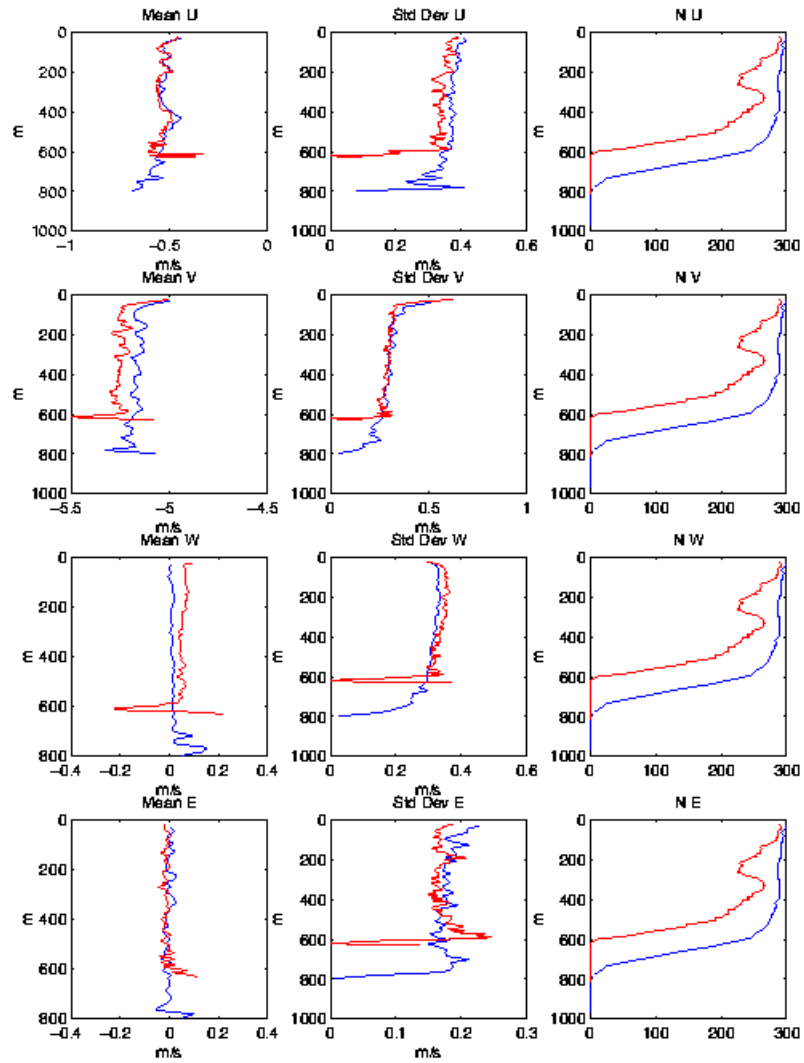






test 27: N = 147 (nb8, osb8, osn16)





dclay range 52.56 - 52.58

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