

*R/V HUGH R. SHARP*  
(RVOC Meeting – April 2006)

- *CAPE HENLOPEN* sold in early January.
- *SHARP* arrived in Lewes on January 10<sup>th</sup>.
- UNOLS Inspection completed on March 21<sup>st</sup> & 22<sup>nd</sup>.
- First science cruise (Dr. Sharp) on March 28<sup>th</sup>.
- UNOLS Commissioning Ceremony/Open House - May 7<sup>th</sup>.

# R/V HUGH R. SHARP



January 2006



# Wet Lab



# Dry Lab



# Pilothouse



# Machinery Spaces



# Accommodations





# Aft Deck Crane



# Van Aboard



# Retractable Keel



## CTD Handling System (Caley Ocean Systems)

- “Plan B” now in use – aft deck crane and small CTD winch on loan from BBSR (Thanks, Lee!)
- New system delivered in early May (in transit now).
- Installed at shipyard late May.

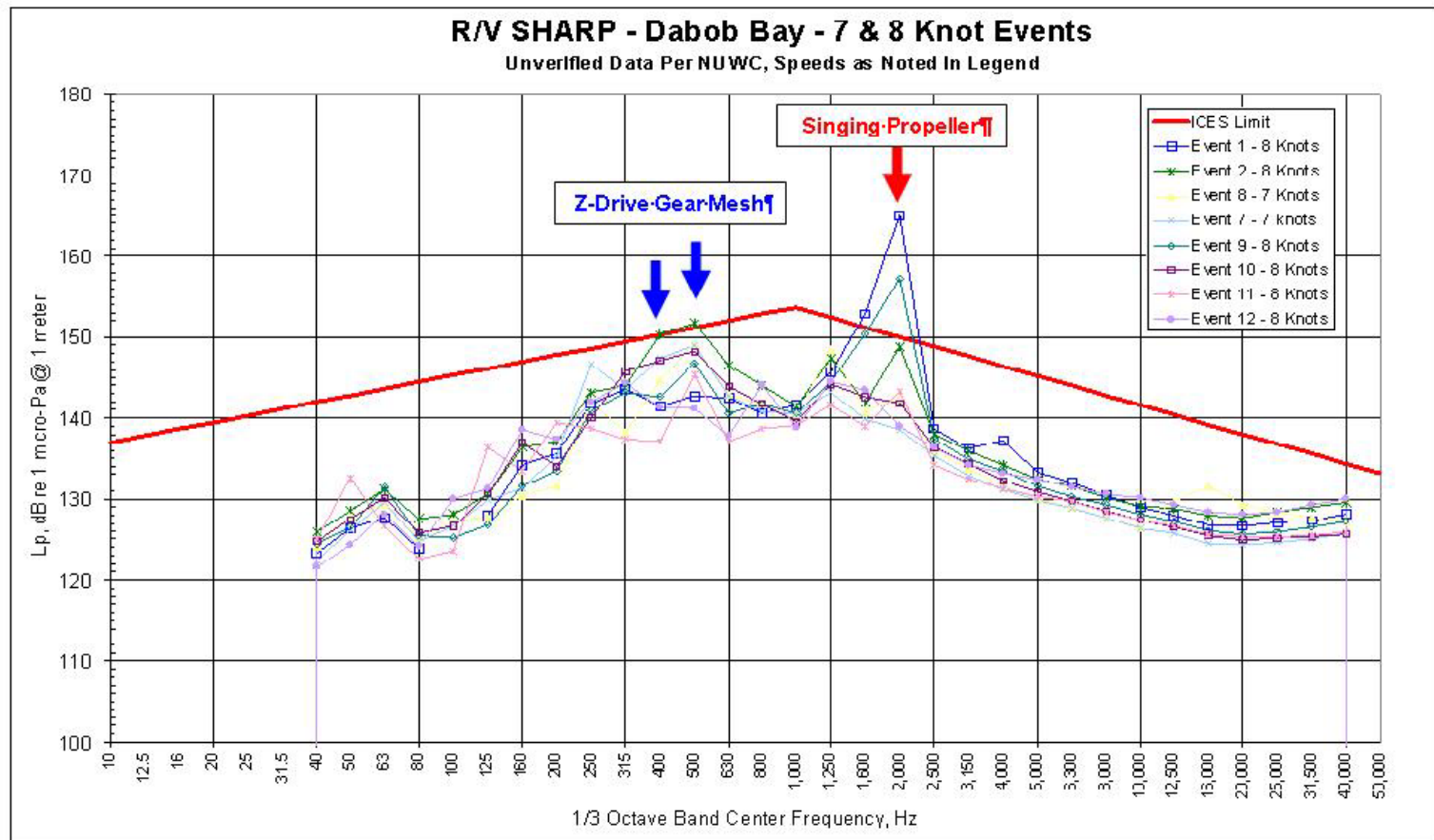
### New Capabilities

- Motion Compensation by winch pay-in/pay-out – reduces heave of package in water column for better resolution and lowers cable strains.
- “Tow Mode” (Auto Render) – winch slips when set tension is reached.
- Docking Head with “Auto-Tension” capability – no tag lines. Operator can set package on deck without assistance.

## NOTHING IS EVER PERFECT

- “Singing Propellers” – different anti-singing edge needed.
- Z-drive gear mesh noise right at ICES limit at 8.0 knots – additional treatments under consideration.
- Marginal directional stability at slow speeds – “typical” of Z-drive vessels? Small after skeg to be added during May shipyard.
- Various “small” items from inspection and operations (Slippery deck in wet lab, additional chain rails, etc.)
- Overall – nothing “major” (yet)
- Some outfit still pending funding and/or design (Port trawl winch, stbd handling appliance, etc.)

# Sound Trials



We'll keep you posted...

