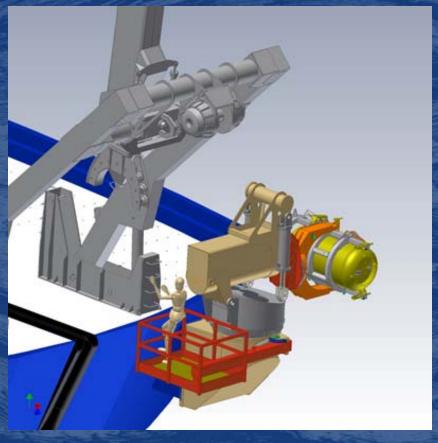
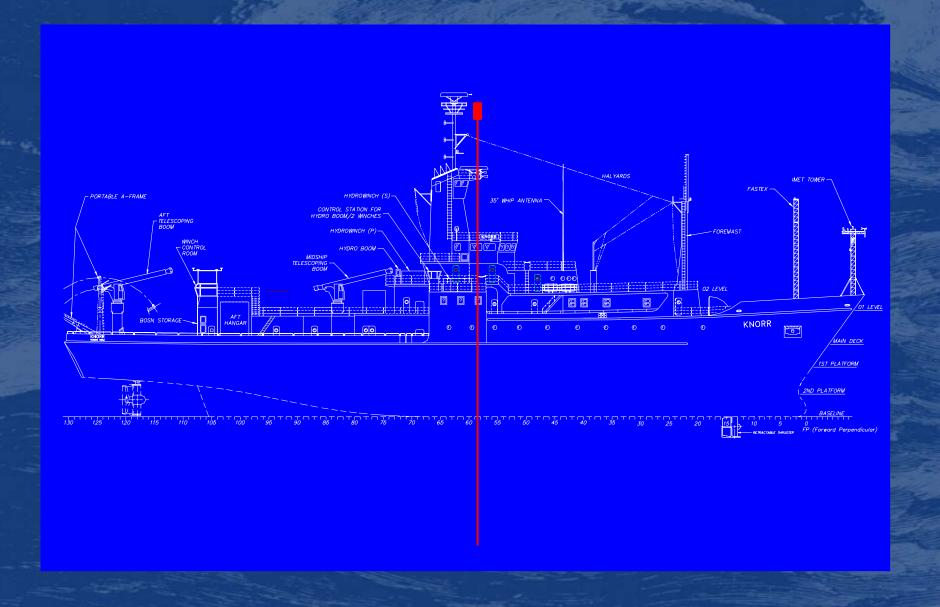
WHOI LONG CORE R/V KNORR





THE 'PROBLEM'





SYSTEM OVERVIEW

- CURRENT MAX CORE LENGTH = ~46 M
- TAPERED WALL BARREL ASSEMBLY
- VARIABLE WEIGHT HEAD = 3,000-27,500#
- ACOUSTIC MODEM RELEASE
- HI-MODULUS SYNTHETIC MAIN ROPE
- ODIM CTCU ROPE HANDLING SYSTEM
- ALLIED A-FRAME AND 'GRAPPLE'
- STERN SHEAVE
- PROGRAMMED STARBOARD DAVITS [H/V trans]

HYBRID ROPE

- 2" DIA. 12 X 12 TORQUE BALANCED
- BREAK STRENGTH = 365,000 #
- 7.5 KM LONG
- PLASMA + VECTRAN
- FIELD REPAIRABLE
- ELONGATION w/ 30,000 # CORER @ 5,000 METERS DEPTH = ~2.0 M

PUGET SOUND ROPES ANACORTES, WA

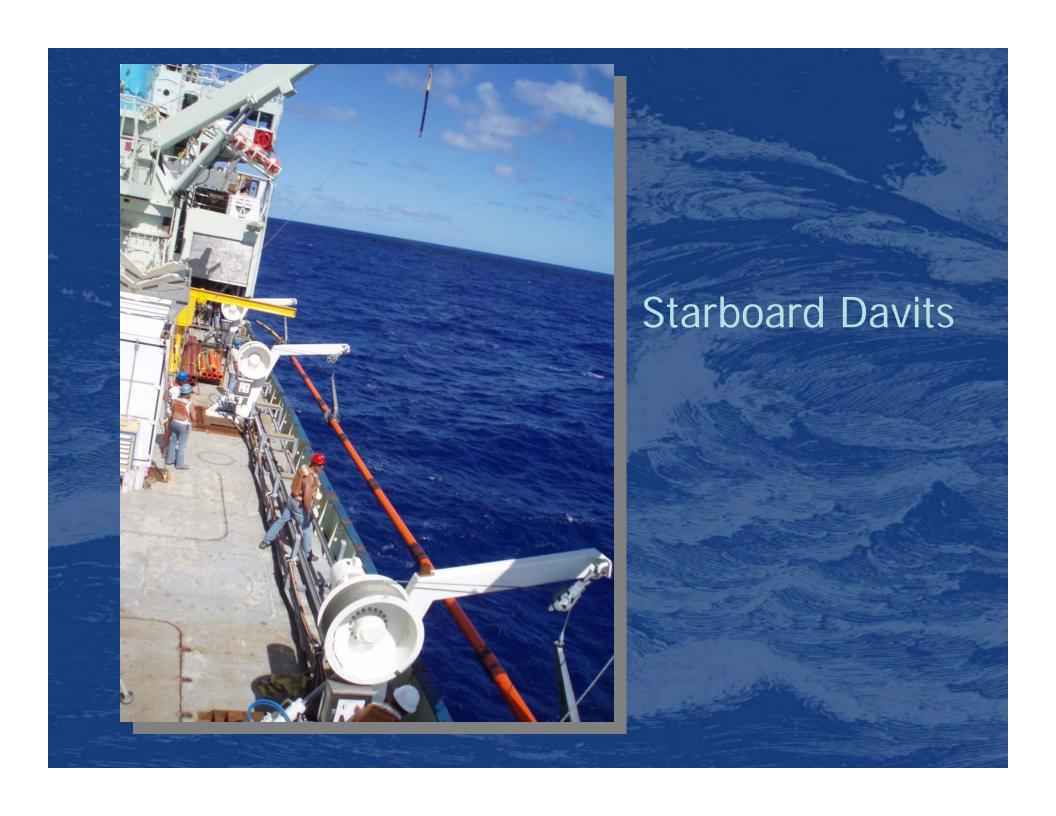










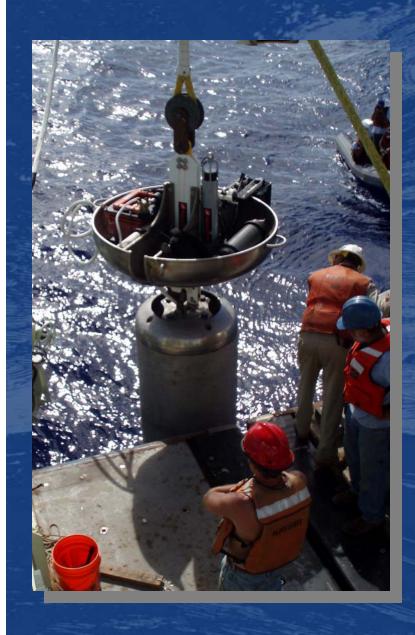






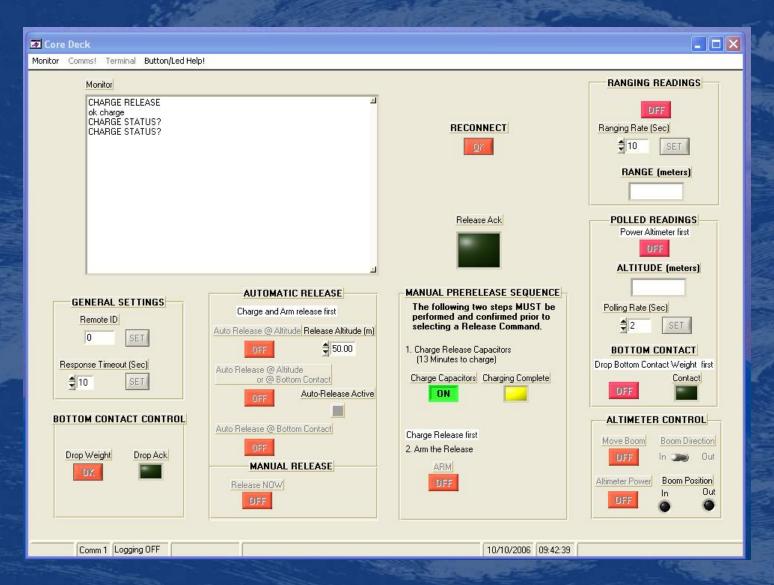


FULLY RIGGED-GOING DOWN





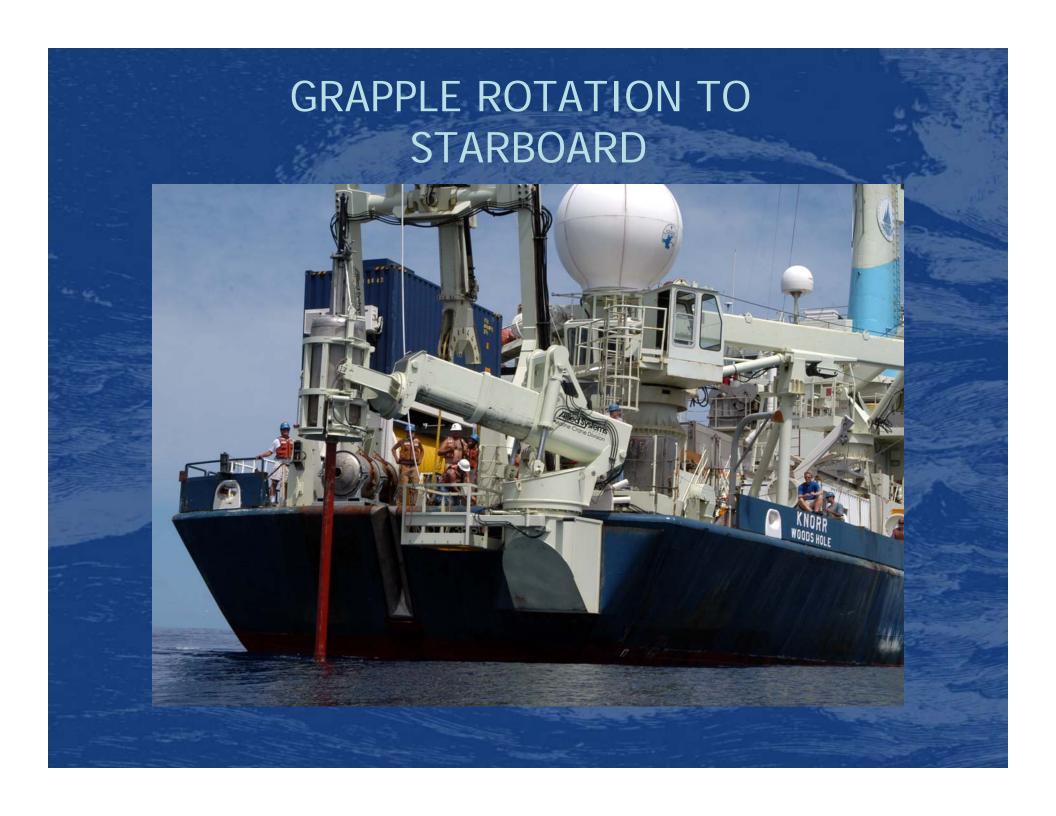
Release Module Deck Unit

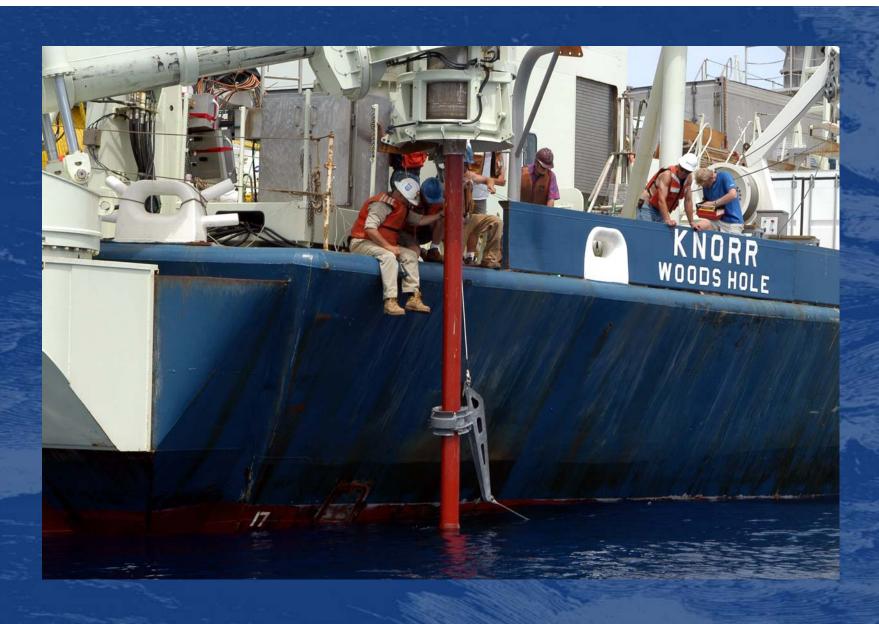


Recovery of the Acoustic Release



COREHEAD CAPTURE





DEPLOYMENT OF RECOVERY CLAMPS



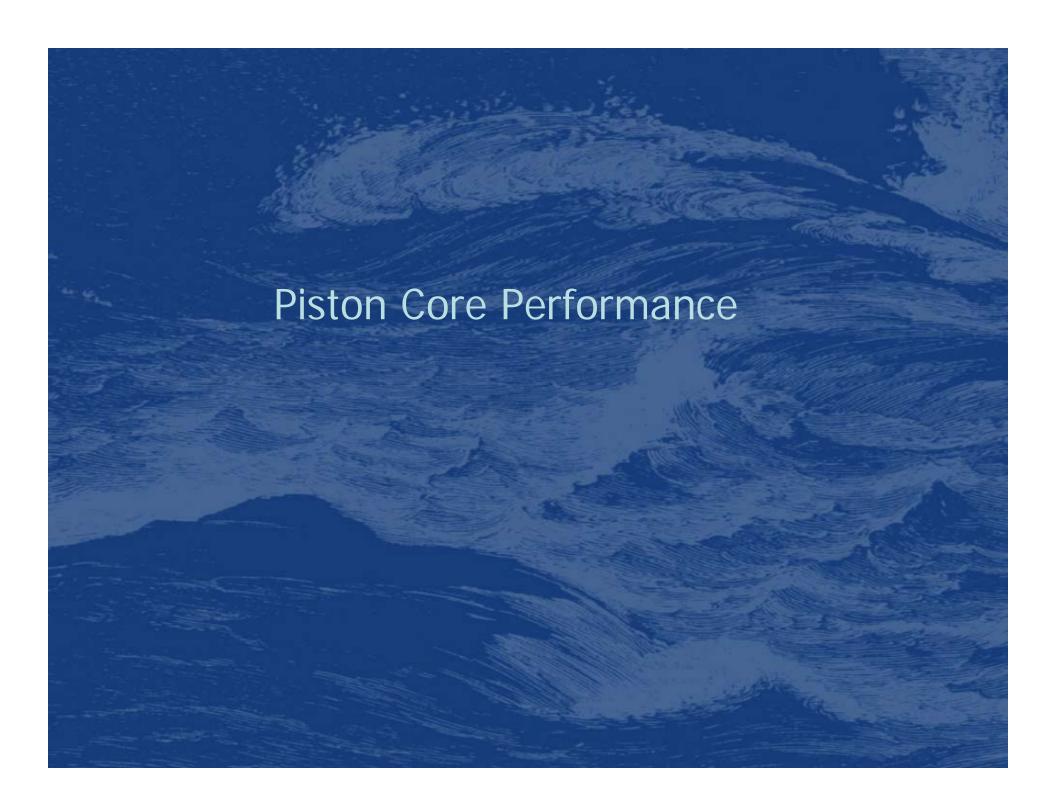
VERTICAL TO HORIZONTAL TRANSITION

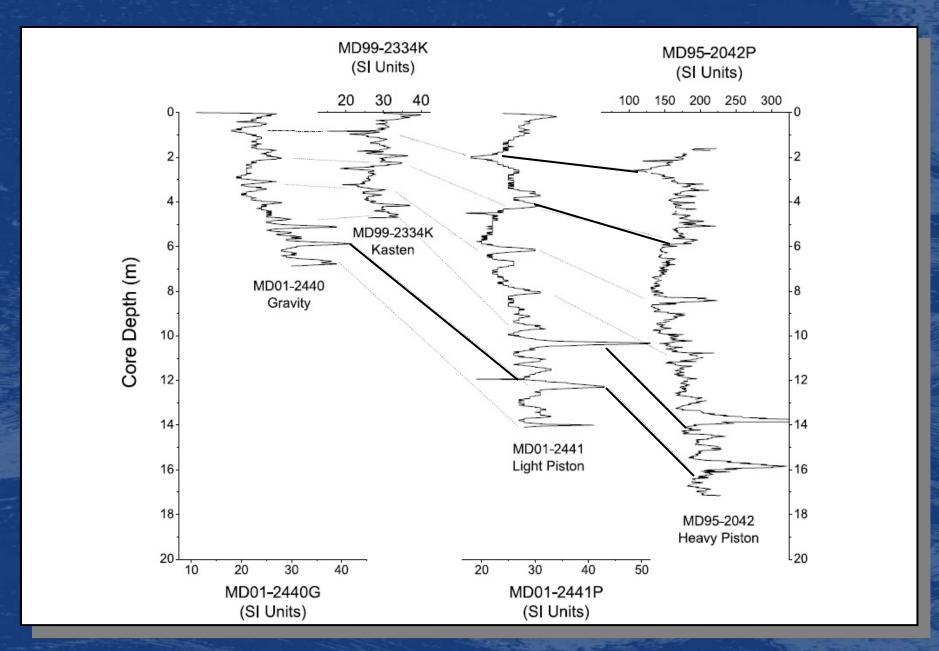


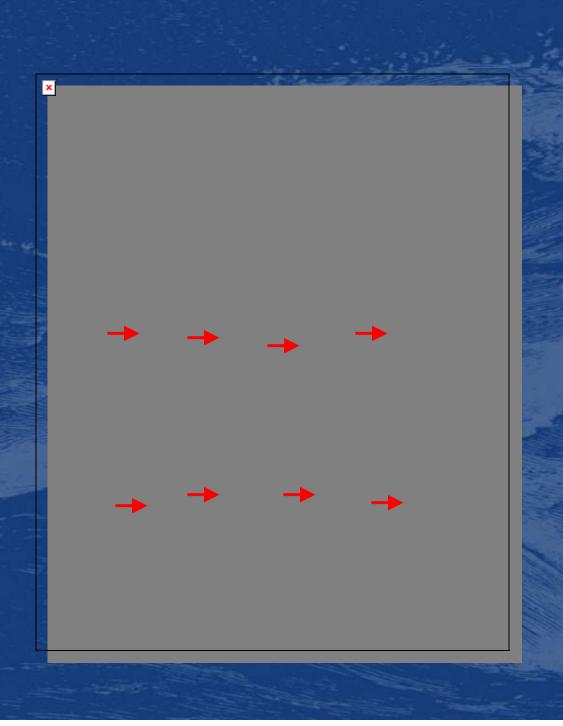
RECOVERY COMPLETE











ODP 1063 Sites A, B, C, D

Keigwin, Rio, and Acton, 1998

