24th International Research Ship Operators (IRSO) Meeting

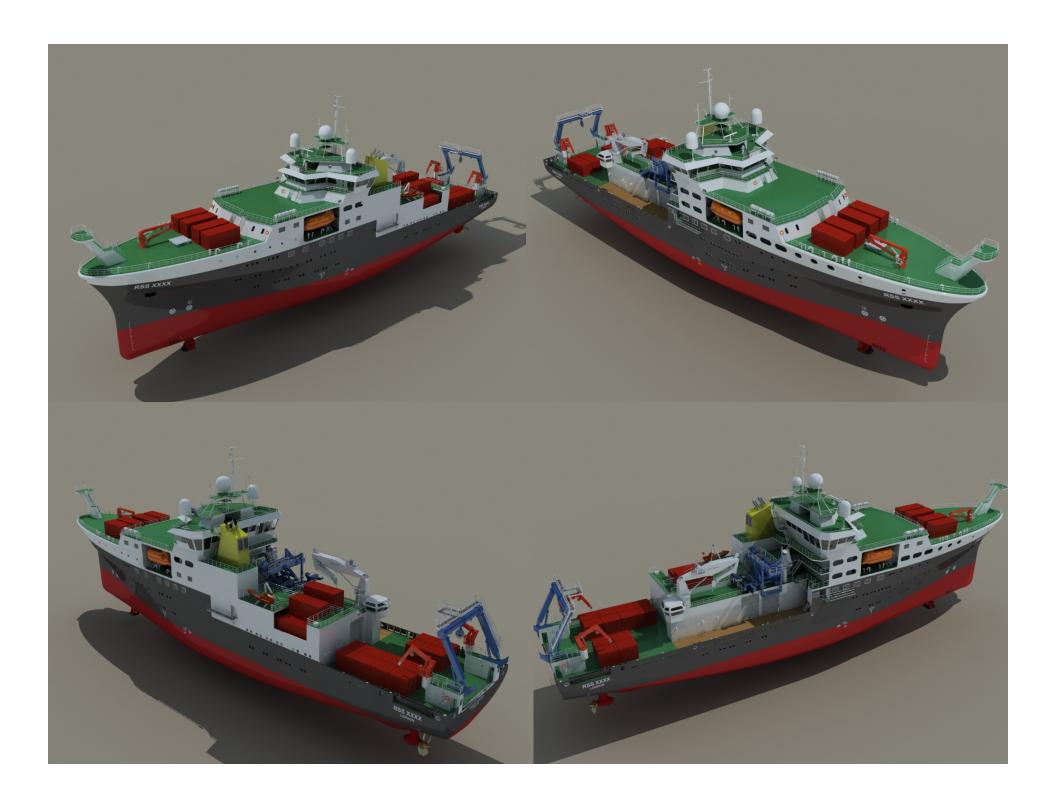
- •Hosted by the School of Oceanography and the Applied Physics Laboratory at the University of Washington
- •Wednesday to Friday, May 25-27, 2010
- •Workshop on "Evolving Changes in Seagoing Oceanography: Implications for Research Vessel Operations" will be held on Tuesday, May 24.
- As of yesterday 37 participants from 17 countries registered
- http://depts.washington.edu/uwconf/irso/





Discovery Replacement





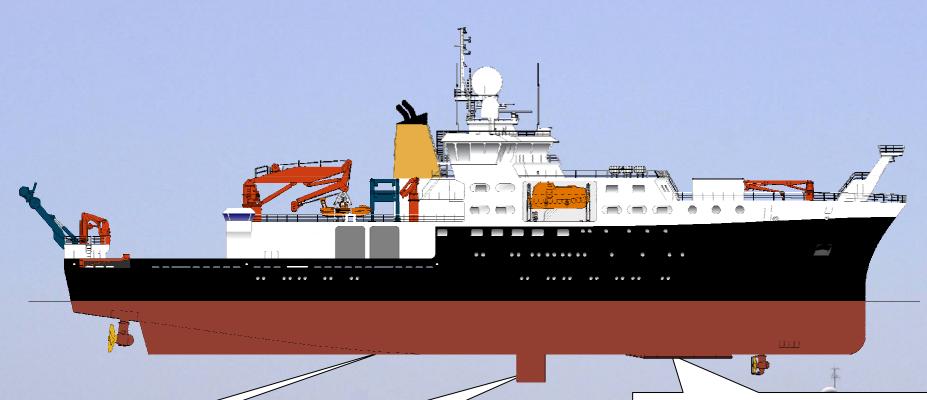
James Cook & new Discovery Compared



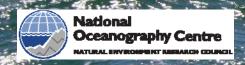
	Cook	Discovery
Length Overall:	89.50 m	99.70m
Breadth:	18.60 m	18.0m
Draft:	5.50-5.70 m	6.50m
Displacement:	5368t GRT	6075T GRT
Class:	Lloyds +100A1, Ice 1C, FS, +LMC, UMS, DP(AM) Research Vessel	Lloyds +100A1, Ice 1D, +LMC, UMS, IWS, EP, DP(AM), NAV1, IBS, Research Vessel
Maximum Speed:	15 kts SS4	15kts SS2
Cruising Speed:	12 kts SS4	12kts SS4
Maximum Endurance:	50 days	50 days
Science & Stores DW:	385T	380T
Scientific Berths:	32 singles	28 singles
Officers:	9 singles	12 singles
Crew & Technicians:	13 singles	12 singles
Open Deck Spaces (Afterdeck & Stbd Amidships) :	446 m ²	432 m ²
Total Lab Areas:	277.5 m ²	388.8 m ²

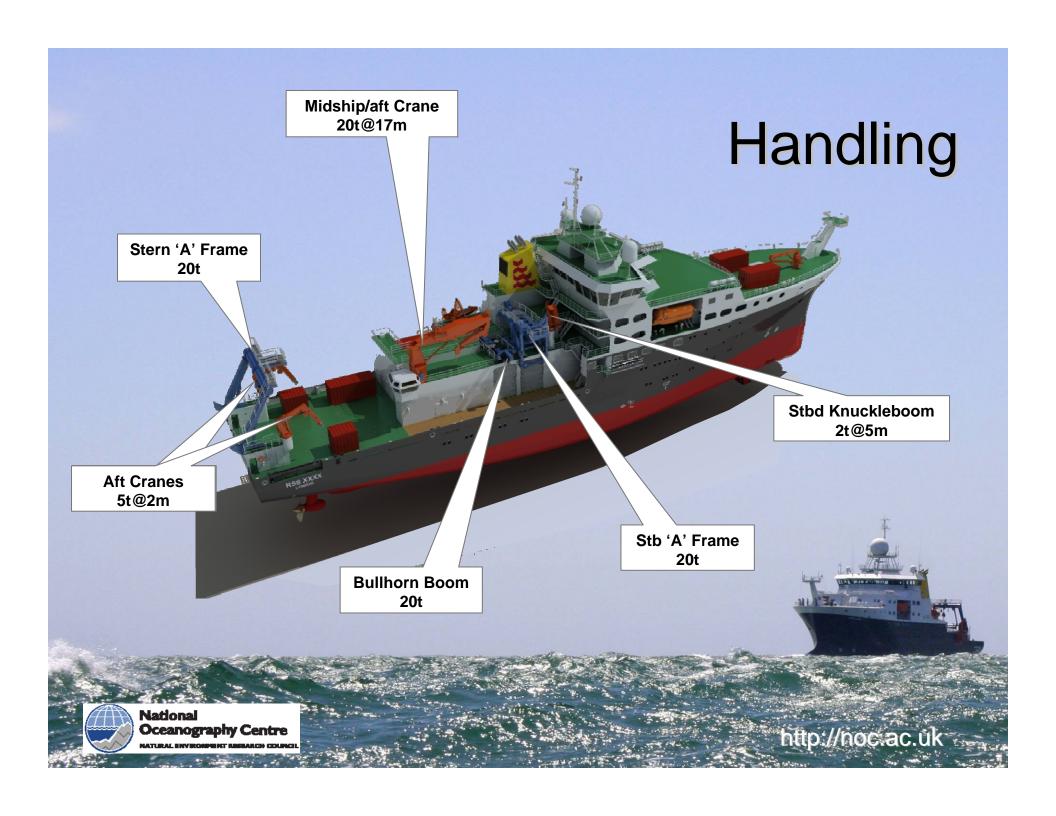


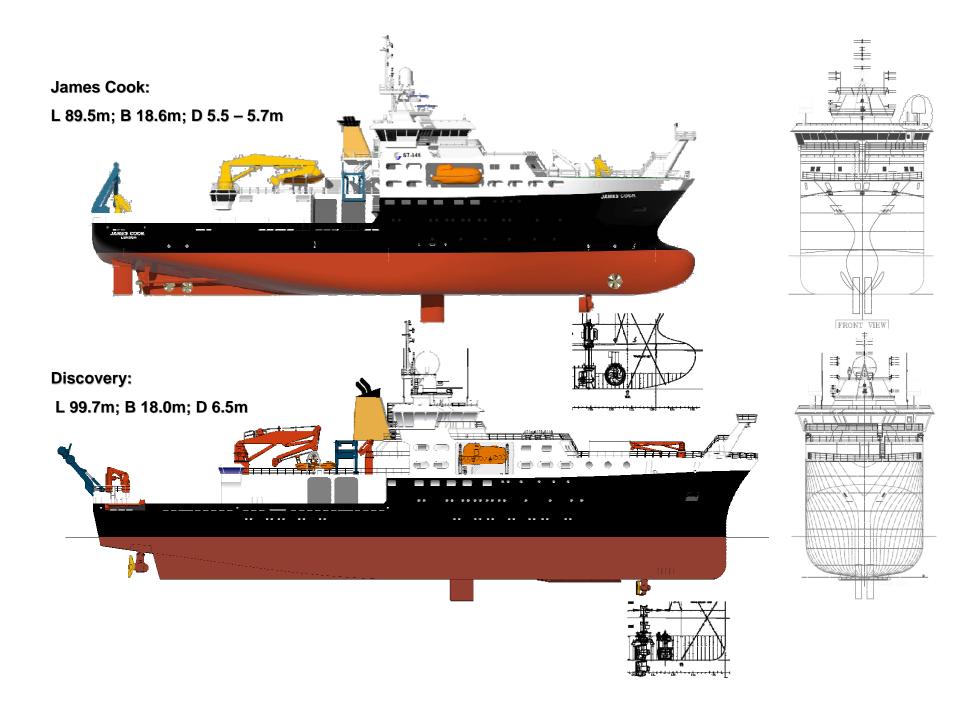
Transducers



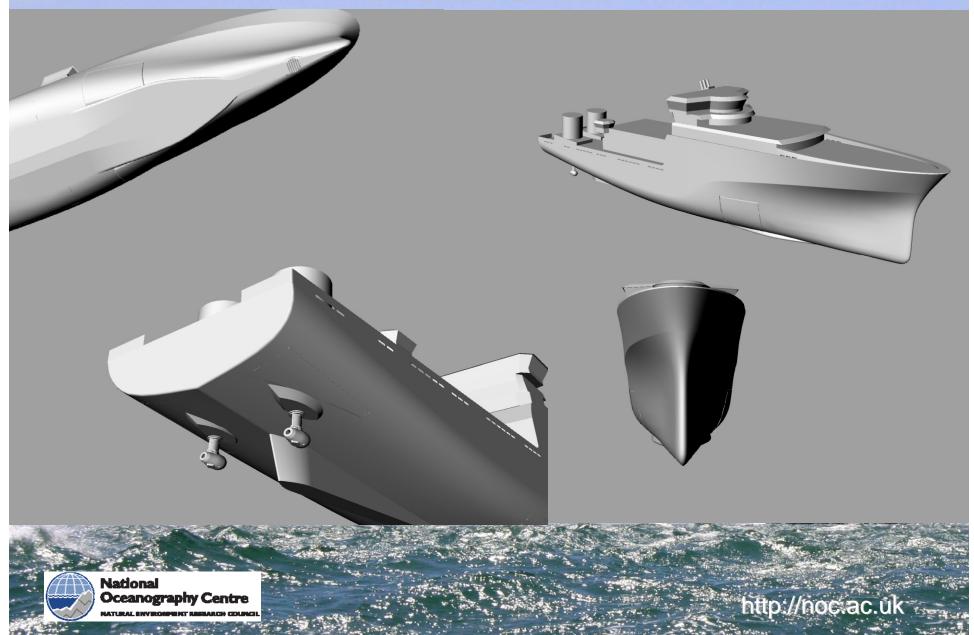
2 x USBL Spar: Sonardyne USBL 2 x Drop Keels: Multifrequency (18, 38, 70, 120, 200, 333 kHz) E/S Hull blister:
12kHz MBES (1° x 1°)
2-7kHz Sub-bottom profiler
75kHz ADCP
150kHz ADCP
70-100kHz MBES (2° x 2°)









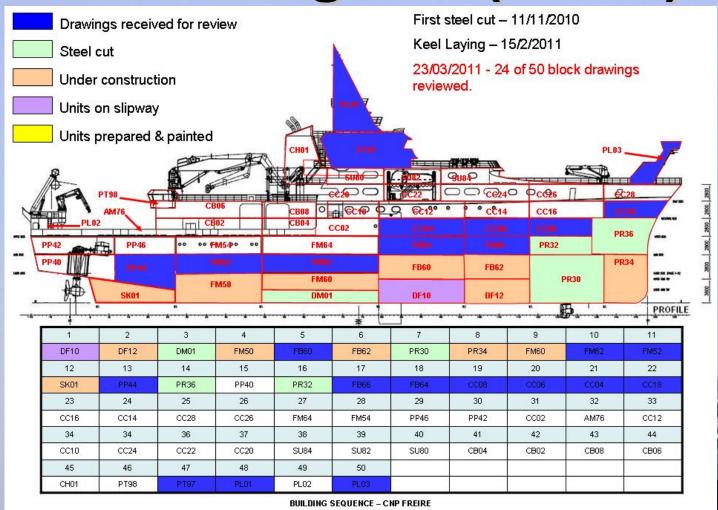


Milestones





D4RP Progress (7/4/11)





Recent Photos



DF10 in two parts 9/3/2011



Later stages of fabrication of PR34 9/3/2011



The two parts of DF10 being joined 24/3/2011



Assembly of FM60 and FB60 9/3/2011



ROVs & Props Don't Mix



- •Failure of supply chain to provide spare valve block for azimuth thruster
- •Failures in decisionmaking
- •Failures in communication
- •Staff fatigue and training



http://noc.ac.uk

Sailors Do Unpredictable Things

- •21 Dec 2006
- •Officer jumps from ship while berthed alongside at NOC
- Rescue boat called away and no major injuries
- Drugs and alcohol involved



Sailors Do Unpredictable Things

- •8 Apr 2011
- •AB fires 6 rounds from a semi-automatic weapon
- 1 Officer killed and another with lifethreatening wound
- Charged with 1 murder and 3 attempted murders



