Past Year ‘Highlights’

• RRS Discovery
  - Full year on science
  - 9 Science cruises
  - Winch suite improvements

• Shore Support
  - Vessel maintenance support team in place

• RRS James Cook
  - Full year on science
  - 9 Science cruises
  - Loss of ROV
NERC Programme 2010-2011

- **RRS James Cook**
  - Caribbean
  - MAR
  - Irminger Basin
  - Atlantic Meridional Transect
  - Southern Ocean

![Map of voyage routes](image)
Ship Issues – James Cook

- Bubble sweep-down issues continue,
- Scrolling issues with Direct Coring winch and Deep Tow winch continue,
- Restrictions on use of main propulsion has continued to stabilise the fuel usage. Year end figures indicate that usage has met NERC usage targets,
- Junior ETO post approved and moving forward for electrical/electronic support on board for ship fitted systems,
- Delivery of spares/equipment sourced through Shared Service Centre arrangement,
- Offshore transfer of fuel (Caribbean),
- DP knowledge and training issues,
- DipClear issues (submission of information by scientists),
- Ship generation issues (AVR's),
- Contact by ISIS ROV with propeller,
- On going assessment of costs for support contracts,
- Review of programming of maintenance periods,
NERC Programme 2010-2011

- **RRS Discovery**
  - Refit
  - Celtic Sea
  - Irminger Basin
  - Namibian Coast
  - Southern Ocean

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**National Oceanography Centre, Southampton**

UNIVERSITY OF SOUTHAMPTON AND NATURAL ENVIRONMENT RESEARCH COUNCIL

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**National Marine Facilities Sea Systems**
Ship Issues - Discovery

- Experience with Cruise-IP and high costs associated with Fleet Broadband back-up arrangement,
- Use of RIB for workboat activities (Small Vessel Code),
- Winch system (mechanical & software),
- Propulsion (PLC),
Ship Issues – Both

- DipClear issues affecting Falkland Island waters,
- Use of RIB/Norsafe MOB for workboat activities,
- Review of engineering manning and work arrangements on JC and D4R,
- Long-term maintenance provision,
- Identification and programming of key marine staff for working-by new build,
- Available resources for temporary replacement posts for above,
- Age profile of seafarers / succession planning,
- Appropriate medical standards for fitness / OH monitoring,
- Appropriate medical support; doctors?, medicines?, equipment?
- Implementation of SSC and procedures,
Shore Issues

- Difficulties in attracting appropriate staff for vessel maintenance support,
- Long-term maintenance provision, In-house? Contracted out?
- Resources for dealing with Shared Service Centre requirements,
- UK government austerity measures