

National Marine Facilities – Sea Systems

RVOC Meeting
SCRIPPS, San Diego
26 – 28 April 2011

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**National Oceanography
Centre, Southampton**

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**NATIONAL MARINE
FACILITIES
SEA SYSTEMS**

Past Year 'Highlights'

- RRS Discovery
 - Full year on science
 - 9 Science cruises
 - Winch suite improvements
- RRS James Cook
 - Full year on science
 - 9 Science cruises
 - Loss of ROV
- Shore Support
 - Vessel maintenance support team in place



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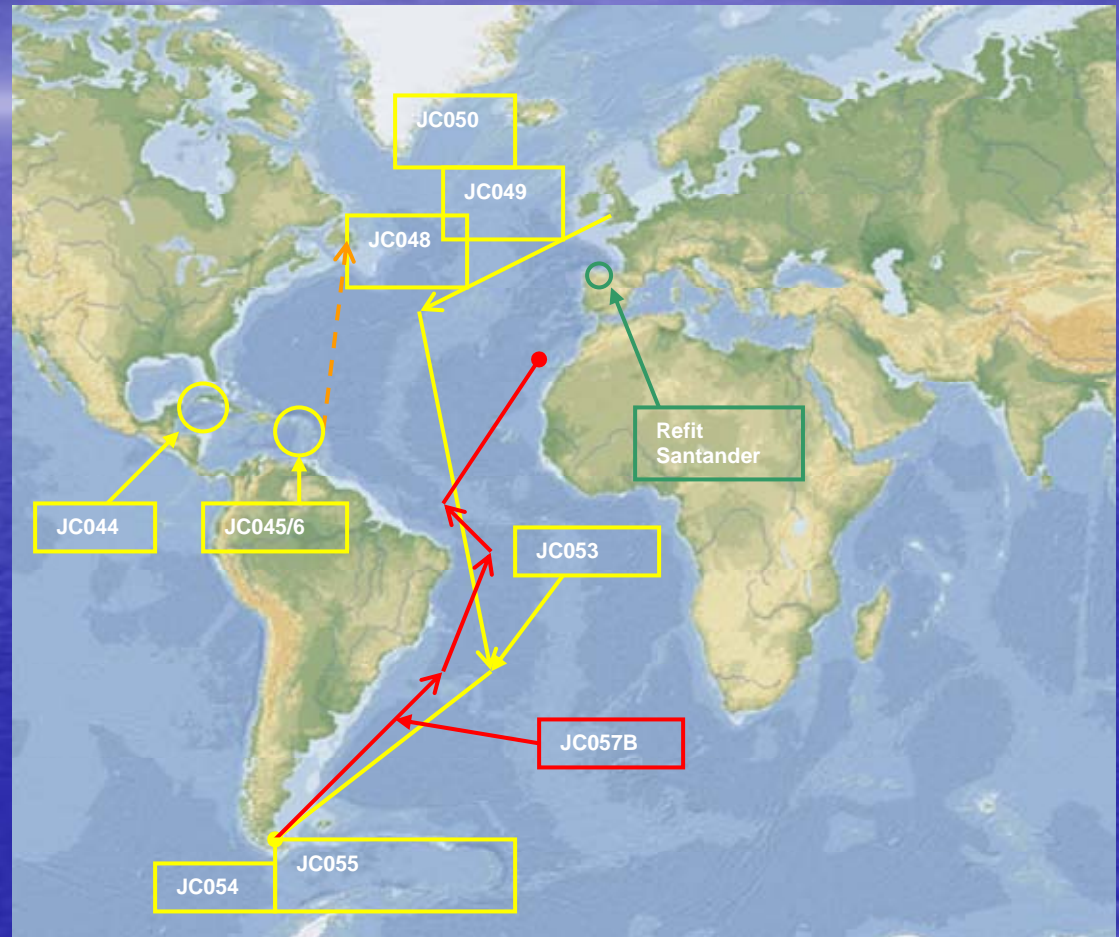
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NERC Programme 2010-2011

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



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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,



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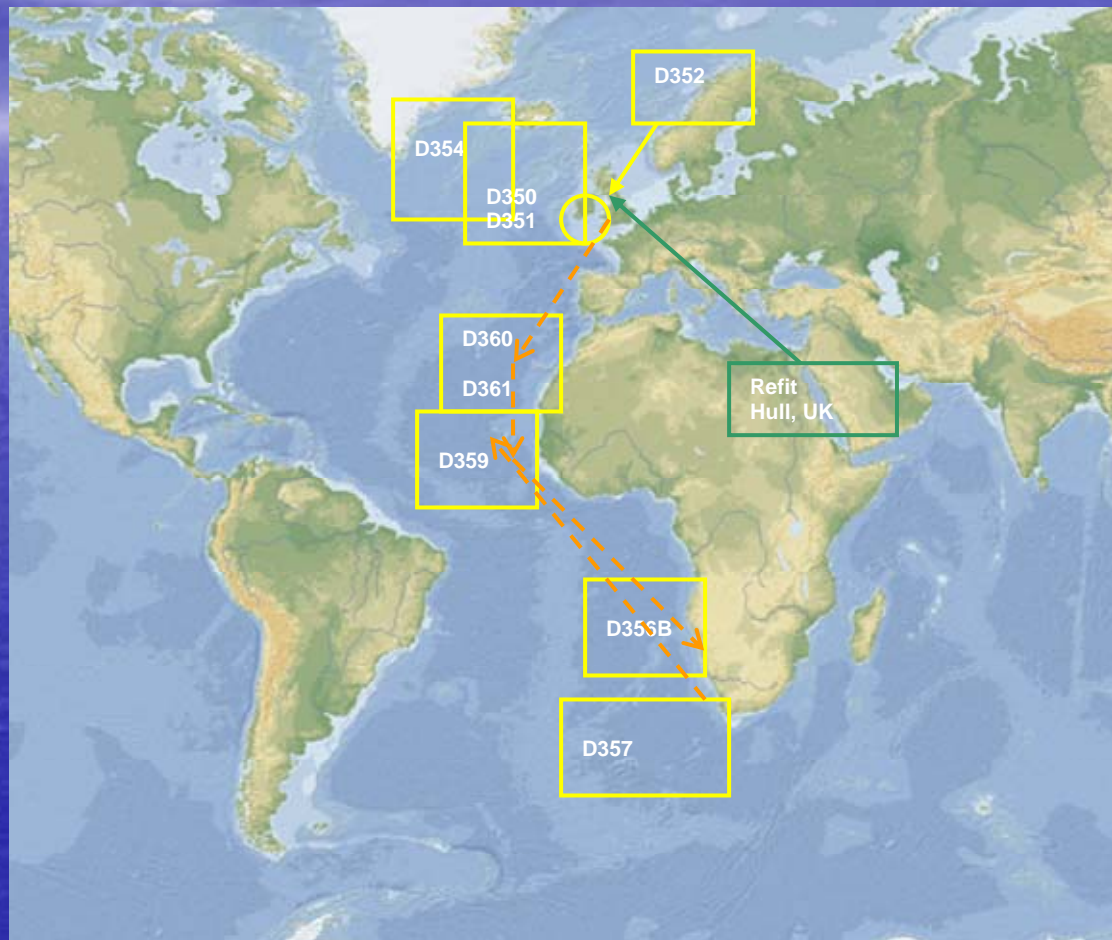
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NERC Programme 2010-2011

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



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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),



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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,



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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



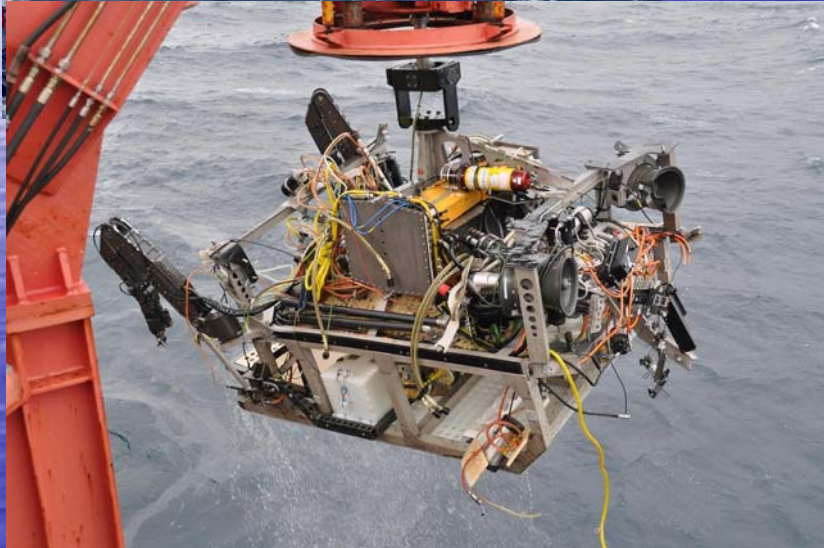
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ISIS ROV Contact



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