

National Marine Facilities – Sea Systems

RVOC Meeting
University of Rhode Island,
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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
 - Winch suite improvements
- RRS James Cook
 - Full year on science
 - Loss of CTD
 - Failure of CTD winch gearbox
 - Rescue of lone Atlantic rower



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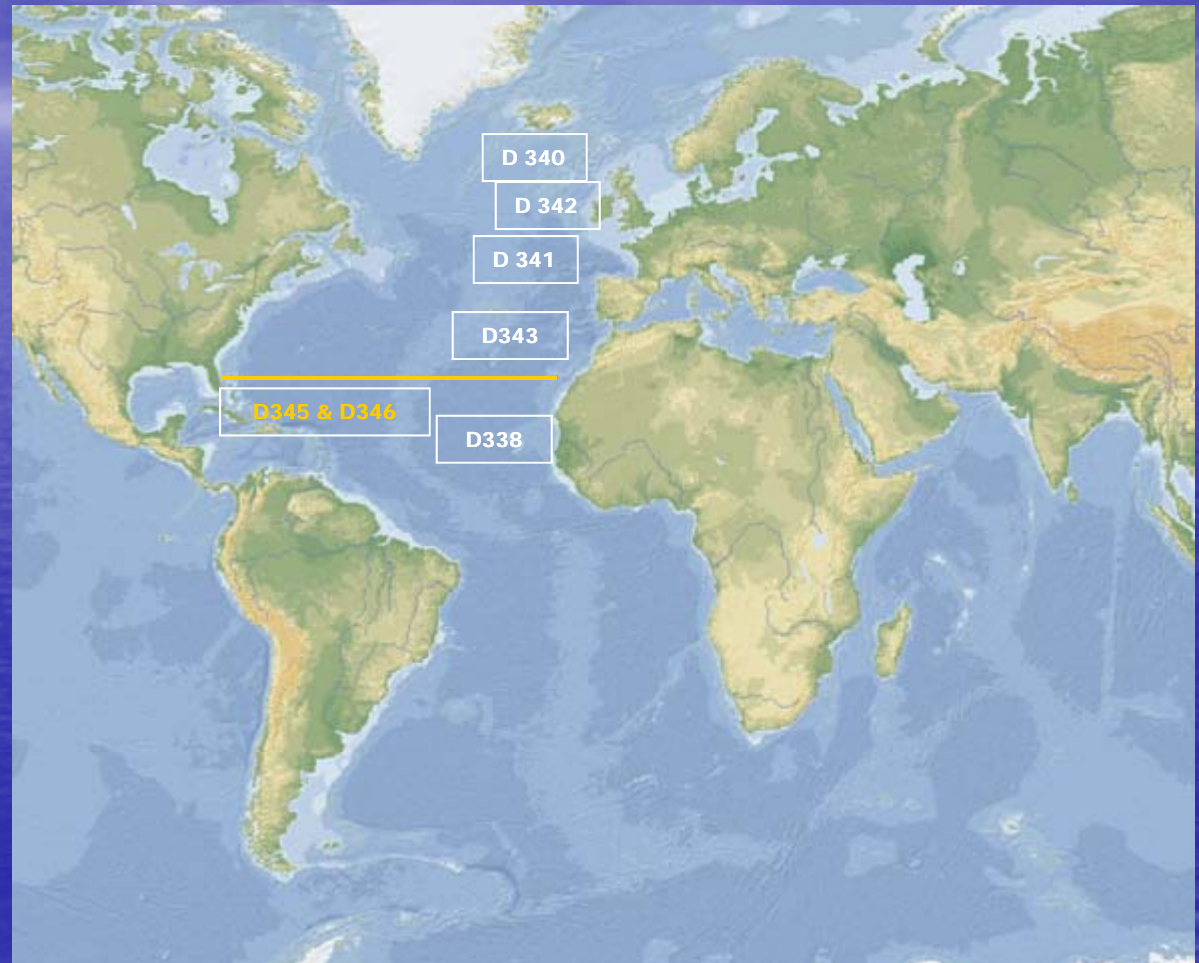
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NERC Programme 2009-2010

- *RRS Discovery*
 - E. Atlantic
 - N. Atlantic
 - Trans N. Atlantic



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Ship Issues - Discovery

- Completion of steelwork allowing wider operational range,
- Remedial work and enhancement work to winch system providing improved capability and confidence for science,
- Replacement of Sat-B system by Cruise I-P and Fleet Broadband providing internet access and improved data transfer ability,



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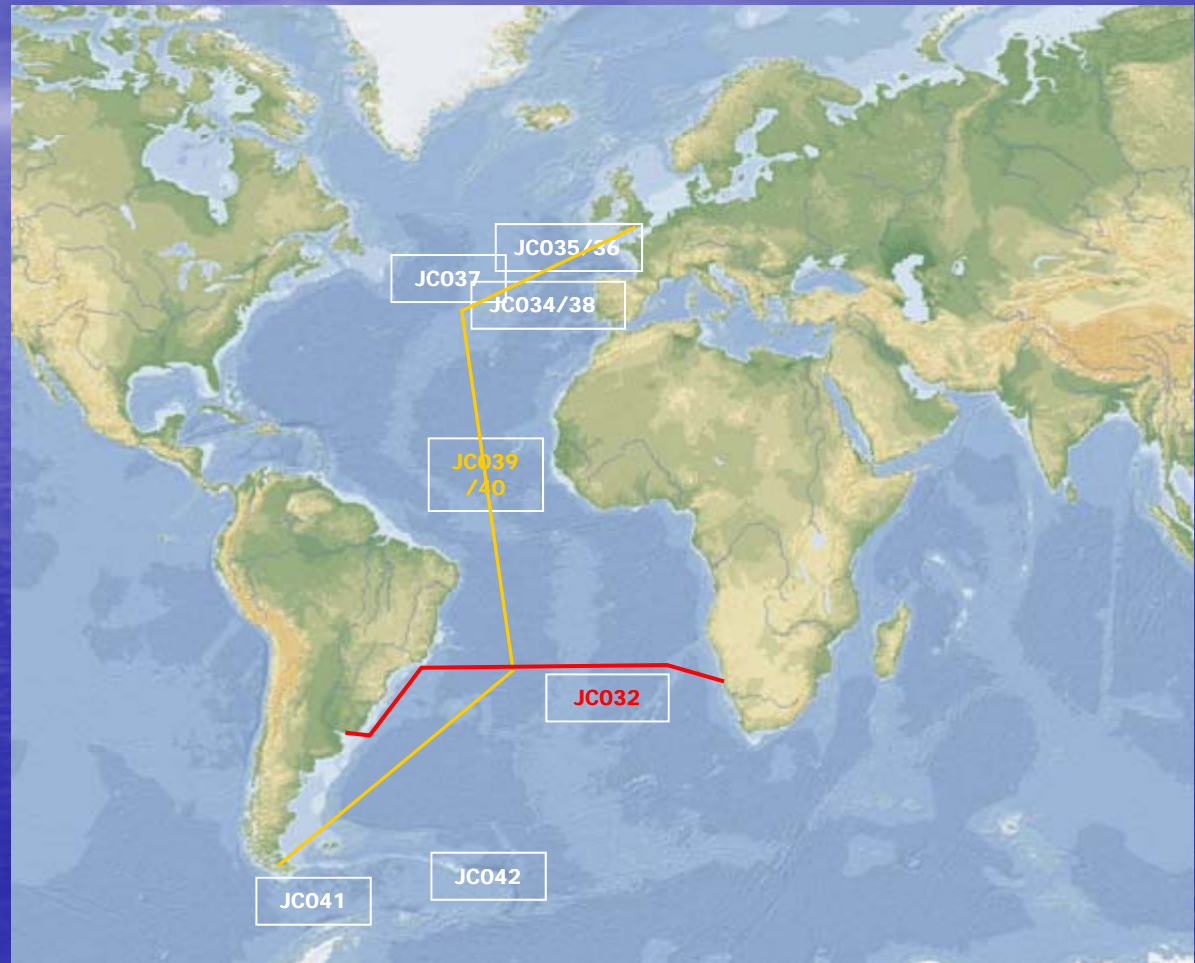
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**NATIONAL MARINE
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NERC Programme 2009-2010

- *RRS James Cook*
 - Trans S. Atlantic
 - N. Atlantic
 - E. Atlantic
 - AMT
 - S. Atlantic
 - Drake Passage
 - Southern Ocean



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Ship Issues – James Cook

- Bubble sweep-down issues continue,
- Some winch issues addressed by ODIM during JC037 and at re-certification period 2009,
- Restrictions on use of main propulsion has stabilised the fuel usage. Year end figures appear to indicate that costs have met NERC targets of £410/tonne,
- Appropriate support for electrical/electronic support on board for ship fitted systems,
- Kongsberg Contract,
- Siemens Contract,
- Engagement of ODIM, costs of ODIM,
- Review of programming of maintenance periods,



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Ship Issues – Both

- Greywater/Blackwater discharges / retention,
- 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 support for vessel maintenance support,
- Long-term maintenance provision, In-house? Contracted out?
- Resources for dealing with Shared Service Centre requirements,



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