

Oceans 2025: Cruise Bids 2007-12 combined information for NOC*, PML and SAMS
Updated: July 2010

2007 Cruise name	WP or SO delivered	Marine Centre(s) involved	Science days ² <i>Minimum if only single no. given</i>	Time of year ²	Ship(s) ² (reason for preference)	Type of cruise (incl. location and main equipment) ³	Funding for UKORS or BAS support ⁴	Status
Trials of technology under development	8.2, 8.6, 8.8	NOCS POL SAMS	10 (8-12)	Flexible	Flexible – but ≥ 10 berths, 60m ² deck space, space for 2 containers, hydraulic and 3 phase power. (No DP needed)	Location flexible, but preferably NE Atlantic S of 50°N. Coordinated development trials of Autosub 6000 (NOC) and equipment from POL and SAMS.	NOC £40k	Programmed in 2007 D323 Cruise Profile 112 Cost £16k
High latitude process study, Iceland Basin (incl Extended Ellett Line)	2.5, 2.6, 2.7; SO 4	NOCS SAMS	43	May - August	James Cook (>30 berths)	Iceland Basin: Multidisciplinary process studies. Also CTD sections, with supporting nutrients and biology. Chemistry container	NOC £200k SAMS £25k	Programmed in 2007 D321a and b Cruise Profile 122 Cost £162k
Integrated ecosystem studies of submarine canyons and cold seeps	5.1, 5.3, 5.4	NOCS	50	May - August	James Cook (ROV support)	Portuguese margin, Gulf of Cadiz, Western Mediterranean: multi-disciplinary – biology and geology, using ROV (HERMES EC FP6 project)	NOC £250k	Programmed in 2007 JC10 Cruise Profile 156 Cost £305k
Add-on to DOGEE (UK SOLAS)	2.1, 2.3	PML	4	June	As required by UK SOLAS	North Atlantic: biogeochemistry, air-sea exchange	PML £14k	Asked by PML not to programme due to change in SOLAS scheduling
Oceans Arctic 07	1.6	SAMS	32	June - July (August)	JCR (ice strengthened)	Arctic: multidisciplinary – coring, CTD, ADCP, bottom landers, moorings (temperature, salinity, ADCP, sediment traps), clean chem. lab, mega corer, gravity corer	SAMS £64k	Moved to 2008 due to scheduling issues (JR210 Cruise Profile 129)
Atlantic Meridional Transect (AMT), also Atlantic-wide ecosystems	SO1, SO2 also WP 2.1, 2.2, 6.2	PML NOCS	Total 45 (PML, 28; NOC, 17)	September-October	JCR (no. of berths, travel to Falklands)	Transect of N and S Atlantic: biogeochemistry, CTD, Seasoar/ MVP, PAP moorings turnaround	<u>Total £158k</u> PML £98k NOC £60k	Not programmed due to scheduling issues
Drake Passage repeat	SO6	NOCS	4	November-December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections	NOC £10k	Programmed in 2007 JR193 Cruise Profile 150
NOT INCLUDED IN ORIGINAL BID Drake Passage repeat	SO6	POL	2	November-December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections		Programmed in 2007 JR196 Cruise Profile 188

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2008 Cruise name	WP or SO delivered	Marine Centre(s) involved	Science days ² <i>Minimum if only single no. given</i>	Time of year ²	Ship(s) ² (reason for preference)	Type of cruise (incl. location and main equipment) ³	Funding for UKORS or BAS support ⁴	Status
Oceans Arctic 07	1.6	SAMS	32	June - July (August)	JCR (ice strengthened)	Arctic: multidisciplinary – coring, CTD, ADCP, bottom landers, moorings (temperature, salinity, ADCP, sediment traps), clean chem. lab, mega corer, gravity corer	SAMS £64k	Programmed in 2008 JR210 Cruise Profile 129 Estimated cost £12k plus BAS costs
Trials of technology under development	8.2, 8.6, 8.8	NOCS POL SAMS	10 (8 – 12)	Flexible	Flexible – but ≥ 10 berths, 60m ² deck space, space for 2 containers, hydraulic and 3 phase power. (No DP needed)	Location flexible, but preferably NE Atlantic S of 50°N. Coordinated acceptance trials of Autosub 6000 (NOC) and equipment from POL and SAMS.	NOC £45k	Programmed in 2008 D333 Cruise Profile 196 Cost £39k
Add-on to INSPIRE (UK SOLAS)	2.1, 2.2, 2.3	PML	4	February	As required by SOLAS	Off NW Africa: biogeochemistry, biogenic gases	PML £15k	Asked by PML not to program due to change in SOLAS scheduling
South Atlantic Box (A21 section repeat)	1.3	NOCS	20	February, linked with US cruise at 30°E	Any ship	Drake Passage/ A21 section: hydro/tracer cruise	NOC £60k	Moved to 2009 due to scheduling issues (JC031)
South Atlantic Box (A10 section repeat)	1.2	NOCS	45	Back to back with A21 repeat	Any ship	South Atlantic (30°S) hydro/tracer cruise; CTD, moorings	NOC £150k	Moved to 2009 due to scheduling issues (JC032)
Geohazard investigation along the NE Atlantic margin	5.2, 5.3	NOCS	30 (28)	April - September	Any ship able to support piston coring; multibeam capability useful but not essential	European margin: Geohazards coring (piston coring, high-resolution geophysics)	NOC £120k	Programmed in 2008 JC027 Cruise Profile 195 Cost £157k
Add-on to UK SOLAS upwelling cruise	2.1, 2.2, 2.3	PML	4	May - June	Discovery, James Cook or JCR (≥ 20 berths)	Off NW Africa: biogeochemistry	PML £15k	Programmed in 2008 But postponed due to ship failure Cruise Profile 201
Deep ocean biogeochemistry	5.7, 5.8 also SO2	NOCS	14	May-June	James Cook (> 30 berths)	N Atlantic (including PAP site): ROV and ISIS cruise	NOC £100k	Asked by NOC not to programme
Extended Ellett line (high latitude time series)	SO4	NOCS POL SAMS	18	May - July	Discovery or James Cook (~ 20 berths)	NE Atlantic (Ellett line): CTD sections, with supporting nutrients and biology. Chemistry container	Total £50k NOCS £25k SAMS £25k	Programmed in 2008 But cancelled due to ship failure Cruise Profile 178 Estimated cost £?

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Celtic Banks 2008	3.2, 3.7, 3.8, 3.9	POL SAMS	24	June - July	James Cook (DP for closely-spaced moorings & turbulence/ CTD stations; plenty of berths for large multi-disciplinary group)	Multidisciplinary – CTD, ADCP, Scanfish, free-fall turbulence probes, bottom landers, moorings (temperature, salinity, ADCP, sediment traps), AUV (glider), towed T-fluorometer chain, radio-isotope lab, clean chem. lab, mega corer, gravity corer	POL £110k (POL to cover UKORS costs for whole cruise)	Programmed in 2008 JC025 Cruise Profile 184 Cost £94k
Arctic Gateway	1.2	NOCS	30	June-August	Any ship	Northern N Atlantic: Scotland-Greenland-Canada 55°N hydro/tracer cruise	NOC £90k	Programmed in 2008 D332 Cruise Profile 206 Cost £129k
Atlantic Meridional Transect (AMT), also Atlantic-wide ecosystems	SO1, SO2 also WP 2.1, 2.2, 5.8, 6.2	NOCS PML	Total 47 (PML, 28, NOC, 19)	September -October	JCR (no of berths, travel to Falklands)	Transect of North and South Atlantic: biogeochemistry, CTD, Seasoar/MVP, PAP moorings, SHRIMP and Wasp	Total £170k PML: £100k NOC £70k	Programmed in 2008 JCR218 Cruise Profile 154 Cost £51k plus BAS
Drake Passage repeat	SO6	NOCS	4	November -December	JCR (addition to BAS cruise)	Drake Passage hydrographic section	NOC £10k	Programmed 2008 JCR194 Cruise Profile 198
NOT INCLUDED IN ORIGINAL BID Drake Passage repeat	SO6	POL	2	November-December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections		Programmed 2008 JCR 197 Cruise Profile 208

2009 Cruise name	WP or SO delivered	Marine Centre(s) involved	Science days ² <i>Minimum if only single no. given</i>	Time of year ²	Ship(s) ² (reason for preference)	Type of cruise (incl. location and main equipment) ³	Funding for UKORS or BAS support ⁴	Status
South Atlantic Box (A21 section repeat)	1.3	NOCS	20	February, linked with US cruise at 30°E	Any ship	Drake Passage/ A21 section: hydro/tracer cruise	NOC £60k	Programmed in 2009 JC031 Profile 151[1] Cost £99k
South Atlantic Box (A10 section repeat)	1.2	NOCS	45	Back to back with A21 repeat	Any ship	South Atlantic (30°S) hydro/tracer cruise; CTD, moorings	NOC £150k	Programmed in 2009 JC032 Profile 151[2] £137k
Trials of technology under development	8.1, 8.3, 8.5, 8.9	NOCS POL SAMS	10 (8 – 12)	Flexible	Flexible – but must be ocean-going vessel with ≥ 10 berths, 60m ² deck space, space for 2 containers, hydraulic and 3 phase power. (No DP needed)	Location flexible, but preferably NE Atlantic S of 50°N. Coordinated development trials of biogeochemical sensors (NOCS) and equipment from POL and SAMS.	NOC £45k	Programmed in 2009 D343 Profile 286 Cost £76k

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Trans-Atlantic transect at 26°N	SO3	NOCS	45	February - November	Any ship	North Atlantic (26°N) hydro/tracer cruise	NOC £180k	Programmed in 2010 D346 Profile 267 Cost £175k
Integrated ecosystem studies of submarine canyons and deepwater corals	5.1, 5.2, 5.3	NOCS	42	May - August	James Cook (ROV support)	NE Atlantic – European margin. Multidisciplinary biology/geology plus ROV	NOC £220k	Programmed 2009 JC035, JC036 Profile 274 Cost £66k, £255k
Upper ocean biogeochemistry: coccolitho-phores	2.1, 2.2, 2.3	PML	4	Late spring/summer	Flexible – but ~20 berths	NE Atlantic: biogeochemistry (as add-on to another cruise)	PML £15k	
Mid-latitude process study: leg 1	2.5, 2.6, 2.7	NOCS	28	May - June	James Cook (>30 berths)	NE Atlantic: Pelagic process studies at PAP site, with some benthic	NOC £140k	Programmed in 2009 D341 Profile 275 Cost £140k
Mid-latitude process study: leg 2	5.7, 5.8	NOCS	28	June – July (to follow above)	James Cook (>30 berths)	NE Atlantic: Benthic process studies at PAP site, with some pelagic; ROV	NOC £180k	Asked by NOC to move to 2010
Extended Ellett line	SO4 Also Theme 3	SAMS NOCS	25	Summer	James Cook or Discovery	NE Atlantic (Ellett line): CTD sections, with supporting nutrients and biology. Chemistry container	SAMS £26k NOC £30k	Programmed in 2009 D340 Profile 268 Cost estimate £105k
Oceans Arctic 09	1.6	SAMS	32	June - July (August)	JCR (ice strengthened)	Arctic: Multi disciplinary - coring, CTD, ADCP, bottom landers, mooring deployment (temperature, salinity, ADCP, sediment traps), clean chem. lab, mega corer, gravity corer	SAMS £67.2k	Moved to 2010 to give a 2 year gap between Arctic cruises
Atlantic Meridional Transect (AMT) , also Atlantic-wide ecosystems	SO1 Also WP 2.1, 2.2, 6.2	PML NOCS	Total 42 (PML, 28; NOC, 14)	September - October	JCR (no. of berths, travel to Falklands)	Transect of North and South Atlantic: biogeochemistry; Seasoar/MVP	Total £158k PML £103k NOC £55k	Programmed in 2009 JC039 and JC040 Profile 309, 282 Cost £192k. £9k
Drake Passage repeat	SO6	NOCS POL	4	November - December	JCR (addition to BAS cruise)	Drake Passage: hydrographic section	NOC £10k	Programmed in 2009 JR195 Profile 270
NOT INCLUDED IN ORIGINAL BID Drake Passage repeat	SO6	POL	2	November - December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections		Programmed in 2009 JR265 Profile 269

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2010 Cruise name	WP or SO delivered	Marine Centre(s) involved	Science days ² <i>Minimum if only single no. given</i>	Time of year ²	Ship(s) ² (reason for preference)	Type of cruise (incl. location and main equipment) ³	Funding for UKORS or BAS support ⁴	Status
Mid-latitude process study: leg 2	5.7, 5.8	NOC	28	June – July (to follow above)	James Cook (>30 berths)	NE Atlantic: Benthic process studies at PAP site, with some pelagic; ROV	NOC £180k	Could not be programmed in 2010 due to ROV demand Profile 289
Oceans Arctic 09	1.6	SAMS	32	June - July (August)	JCR (ice strengthened)	Arctic: Multi disciplinary - coring, CTD, ADCP, bottom landers, mooring deployment (temperature, salinity, ADCP, sediment traps), clean chem. lab, mega corer, gravity corer	SAMS £67.2k	Programmed in 2010 JR219 Cost estimate £56k Profile 351
Trials of technology under development	8.1, 8.6, 8.8	NOC SAMS	10 (8 – 12)	Flexible	Flexible – but must be ocean-going vessel with ≥ 10 berths, 60m ² deck space, space for 2 containers, hydraulic and 3 phase power. (No DP needed)	Location flexible, but preferably NE Atlantic S of 50°N. Coordinated development trials of biogeochemical sensors and equipment from NOC and SAMS.	NOC £50k	Programmed in 2010 D360 Profile 363 Cost estimate £84k
Extended Ellett line (high latitude time series)	SO4	NOC SAMS	18	May - July	Discovery or James Cook (~ 20 berths)	CTD sections, with supporting nutrients and biology. Chemistry container	Total £57k NOC £30k SAMS £27k	Programmed in 2010 D351 Profile 350 Cost estimate £105k
Upper ocean biogeochemistry: nutrient limitation	2.1, 2.2, 2.3	PML	4	Flexible	Flexible – but ~20 berths	NE Atlantic: biogeochemistry (as add-on to another cruise)	PML £15k	
Integrated geology/biology cruise to study fluid flow in Rockall/Hatton area.	5.1, 5.4	NOC	30 (25)	May - August	James Cook or Discovery (Multibeam capability preferred)	NE Atlantic: Rockall - Hatton area. Sampling/ geophysics/biology cruise (3D seismics, coring, high res geophysics)	NOC £130k	Could not be programmed in 2010 due to ROV demand Profile 358
Atlantic Meridional Transect (AMT) also Atlantic-wide ecosystems	SO1, SO2 also WP 2.1, 2.2, 6.2	PML NOC	Total 45 (PML, 28; NOC, 17)	September -October	JCR (no. of berths, travel to Falklands)	Transect of North and South Atlantic: biogeochemistry; Seasoar/MVP; PAP moorings turnaround	Total £185k PML £105k NOC £80k	Programmed in 2010 JC053 Cost estimate £160k Profile 366
Drake Passage repeat	SO6	NOC	4	November-December	JCR (addition to BAS cruise)	Drake Passage: hydrographic section	NOC £12k	Programmed in 2010 JR242
NOT INCLUDED IN ORIGINAL BID Drake Passage repeat	SO6	NOC	2	November-December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections		Programmed in 2010 JR243

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2011 Cruise name	WP or SO delivered	Marine Centre(s) involved	Science days ² <i>Minimum if only single number given</i>	Time of year ²	Ship(s) ² (reason for preference)	Type of cruise (incl. location and main equipment) ³	Funding for UKORS or BAS support ⁴	Status
Mid-latitude process study: leg 2	5.7, 5.8	NOC	28	June – July	James Cook (>30 berths)	NE Atlantic: Benthic process studies at PAP site, with some pelagic; ROV	NOC £180k	Will be considered for programming in 2011 Profile 289
Integrated geology/biology cruise to study fluid flow in Rockall/Hatton area.	5.1, 5.4	NOC	30 (25)	May - August	James Cook or Discovery (Multibeam capability preferred)	NE Atlantic: Rockall - Hatton area. Sampling/ geophysics/biology cruise (3D seismics, coring, high res geophysics)	NOC £130k	Will be considered for programming in 2011 Profile 358
Trials of technology under development	8.2, 8.6, 8.8	NOC SAMS	10 (8 – 12)	Flexible	Flexible – but must be ocean- going vessel with ≥ 10 berths, 60m ² deck space, space for 2 containers, hydraulic and 3 phase power. (No DP needed)	Location flexible, but preferably NE Atlantic S of 50°N. Coordinated development trials of Very Long Range AUV (NOC) and equipment from NOC and SAMS.	NOC £50k	Will be considered for programming in 2011 Profile 457
Atlantic Meridional Transect (AMT) also Atlantic-wide ecosystems	SO1 Also WP 2.1, 2.2, 6.2	PML NOC	Total 42 (PML, 28; NOC, 14)	May - June	JCR (no. of berths, travel from Falklands)	Transect of South and North Atlantic: Biogeochemistry, Seasoar/MVP	Total £168.2 PML £108.2k NOC £60	Will be considered for programming in 2011 Profile 369
Integrated ecosystem study: geology/biology	5.1 – 5.4	NOC	28	May - August	Discovery or James Cook (Multibeam capability preferred)	NE Atlantic: Multidisciplinary cruise (HERMES type science; dependent on results of previous Theme 5 cruises)	NOC £175k	Will be considered for programming in 2011 Profile 371
Low latitude process study	2.5, 2.6, 2.7	NOC	28	August - September	Discovery (~ 25 berths)	Subtropical N Atlantic gyre: process Study	NOC £150k	Will be considered for programming in 2011 Profile 179
Extended Ellett line (high latitude time series)	SO4	SAMS NOC	18 (9 SAMS, 9 NOC)	May - July	Discovery (~ 20 berths)	NE Atlantic (Ellett Line): CTD sections, with supporting nutrients and biology. Chemistry container	Total £54k SAMS £27k NOC £27k	Will be considered for programming in 2011 Profile 410
Drake Passage repeat	SO3	NOC	4	November - December	JCR (addition to BAS cruise)	Drake Passage: hydrographic section	NOC £14k	Will be considered for programming in 2011 Profile 439
NOT INCLUDED IN ORIGINAL BID Drake Passage repeat	SO6	NOC	2	November - December	JCR (addition to BAS cruise)	Drake Passage: hydrographic sections		Will be considered for programming in 2011 Profile 464

2012: no cruises currently planned in Jan-March

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