

### The cruises of RRS *Discovery*

**Tender placed with Hall Russell, Aberdeen, 7 June 1961,  
Keel laid October 1961,  
Launched 3 July 1962  
Named by Viscountess Hailsham in Pool of London, 31 January 1963**

Cr No	Year	Dates	Stn Numbers	Oceanographic discipline	Chief Scientist	Working area
1	1963	1 Jun - 20 Aug Plymouth, Malta, Port Said, Aden, Karachi, Aden	5006 - 5101	Physics, biology, chemistry	R.I Currie (NIO)	South East Arabian Upwelling
2		23 Aug - 4 Dec	5102 - 5238	Geology, geophysics, chemistry, physics	M.N. Hill (Cambridge)	NW Indian Ocean , passage to UK
3	1964	15 Feb - 28 Sep	5239 - 5583	Physics, biology, chemistry	J.C.Swallow, R.I.Currie (NIO)	W Indian Ocean, passages to & from UK
4	1965	2 Feb - 1 Apr	5584 - 5648	Geology, geophysics	M.N. Hill (Cambridge)	NE Atlantic, Azores
5		28 Apr -23 May	5648 - 5683	Trials, physics, geophysics	M.J. Tucker (NIO)	NE Atlantic shelf edge
6		1 Jun - 1 Jul	5684 - 5763	Physics	J. Crease (NIO)	NE Atlantic Faroe Bank
7		7 Jul - 6 Aug		Geology	A.H.B. Stride (NIO)	NE Atlantic Faroes - Spain
8		1 Sep - 1 Dec	5765 - 5828	Biology	R.I. Currie (NIO)	NE Atlantic Madeira, Canary
9	1966	1 Feb - 6 Feb		Trials	H.P.F. Herdman (NIO)	NE Atlantic SW Approaches
10		15 Feb - 6 Apr	5829 - 5935	Physics	J.C. Swallow (NIO)	NE Atlantic Madeira
11		15 Apr - 21 May	5936 - 5989	Geophysics, geology	A.S. Laughton (NIO)	NE Atlantic Biscay, Azores
12		31 May - 21 Jun		Geology	A.H.B. Stride (NIO)	NE Atlantic SW Approaches
13		4 Jul - 11 Aug	5995 - 6053	Physics		NE Atlantic Madeira
14		1 Sep - 30 Sep	6054 - 6099	Geology, geophysics	U. L'pool, Bristol, Durham	NE Atlantic
15		7 Oct - 28 Nov	6100 - 6204	Biology	M.R. Clarke (NIO)	NE Atlantic Azores, Canary
16	1967	20 Jan - 6 May	6205 - 6278	Geology, geophysics, GLORIA	A.S. Laughton (NIO)	Red Sea, Gulf of Aden, NW Indian Ocean
17		3 Jun - 8 Jul	6279 - 6346	Physics, trials	J. Crease (NIO)	NE Atlantic Faroes, Biscay
18		14 Jul - 23 Aug	6350 - 6450	Physiology, biology	M.R. Clarke (NIO)	NE Atlantic Canary
19		12 Sep - 12 Oct	6451 - 6540	Geology, geophysics	A.H.B. Stride (NIO)	English Channel, NE Atlantic
20		20 Oct - 18 Dec	6471 - 6540	Physics	J.C. Swallow (NIO)	NE Atlantic Biscay
21	1968	14 Jan - 1 Apr	6541 - 6722	Biology, physics	P.M. David (NIO)	NE Atlantic NW Africa
22		18 Jun - 25 Jul	6723 - 6729	Physics (tides)	D.E. Cartwright (NIO)	NE Atlantic St Kilda
23		31 Jul - 19 Aug	6731 - 6740	Geophysics	A.S. Laughton	NE Atlantic Biscay
24		19 Sep - 30 Sep		Geology, geophysics	M.J. Tucker (NIO)	NE Atlantic Rockall, Moray Firth
25	1969	25 Jan - 28 Mar	6741 - 6892	Physics (MEDOC 1969)	J.C. Swallow (NIO)	NW Mediterranean
26		3 Apr - 9 May	6893 - 6998	Physics, chemistry	K.F. Bowden (Liverpool)	NE Atlantic NW Africa
27 & 28		9 Jun - 24 Jul Loch Fyne, Gib Southampton	7000-7014	Geology, geophysics, biology	A.H.B.Stride (NIO)	NE Atlantic W Mediterranean
29		2 Aug - 6 Oct	7016 - 7033	Geophysics	A.S. Laughton (NIO)	NE Atlantic Azores, Rockall

Cr No	Year	Dates		Oceanographic discipline	Chief Scientist	Working area
30		15 Oct - 15 Dec	7034 - 7140	Biology, physics	P.M. David (NIO)	NE Atlantic NW Africa
31	1970	21 Jan - 12 Mar	7141 - 7277	Physics (MEDOC 1970)	J.C. Swallow (NIO)	NW Mediterranean, Gulf Cadiz
32		24 Mar - 7 Apr	7278 - 7281	Equipment trials	J. Crease (NIO)	NE Atlantic Biscay
33		14 Apr - 21 May	7282 - 7299	Geophysics, geology	A.S. Laughton (NIO)	NE Atlantic Rockall, King's Trough
34		2 Jun - 29 Jun	7300-7357	Physics, meteorology (JASIN)	J.C. Swallow (NIO)	NE Atlantic Biscay
35		11 Jul - 19 Aug	7358-7403	Geology, geophysics, biology	A.H.B. Stride (NIO)	W Mediterranean, Gulf Cadiz
36		26 Sep - 13 Nov	7404-7482	Biology, physics	P.M. David (NIO)	NE Atlantic Azores
37		25 Nov - 10 Dec	7484-7495	Physics, meteorology	A.G.D. Watson (NIO)	NE Atlantic Biscay
38	1971	22 Jan - 7 Apr Barry, (Cascais), Gib, (Cascais), Barry	7496-7707	Physics	J.C. Swallow (NIO)	NE Atlantic Biscay, Gulf Cadiz
39		21 Apr - 7 Jun	7708-7719	Biology	P.F. Foxton (NIO)	NE Atlantic Iceland Basin, Rockall
40		19 Jun - 26 Jul Southampton, Iraklion, Barry	7720-7721	Geology, physics	A.H.B. Stride (NIO)	E Mediterranean, NE Atlantic
41		9 Aug - 19 Sep	7723-7742	Physics (tides), meteorology	D.E. Cartwright (NIO), A.G.D. Watson (NIO)	NE Atlantic Hebrides, Shetland
42		21 Sep - 30 Sep	7743-7748	GLORIA, fishing	J.S.M. Rusby (NIO)	Sea of Hebrides
43		7 Oct - 25 Nov	7749-7757	Geophysics, geochemistry	A.S. Laughton (NIO)	NE Atlantic Azores, Gib. Ridge
44		4 Dec - 13 Dec	7758-7781	Physics	J.C. Swallow (NIO)	NE Atlantic Biscay
45	1972	4 Feb - 16 Apr	7782-7857	Biology, physics	P.M. David (NIO)	NE Atlantic NW Africa
46		27 Apr - 30 May	7858-7913	Physics, meteorology	M.J. Tucker, J.C. Swallow (NIO)	NE Atlantic Rockall, Biscay
47		9 Jun - 3 Jul	7914-7964	Geology, geophysics	D.G. Roberts	NE Atlantic Rockall
48		12 Jul - 22 Aug	7965-8076	Physics, biology, chemistry	K.F. Bowden (L'pool)	NE Atlantic NW Africa
49		31 Aug - 2 Oct	8075a-8192	Physics, meteorology (JASIN 1972)	J.C. Swallow (NIO)	N Atlantic,
50		11 Oct - 26 Oct	8193-8195	Equipment trials, geology	A.H.B. Stride (NIO)	Irish Sea, English Channel
51 Leg 1		4 Nov - 18 Dec	8196-8246	Physics, geology	J. Crease (NIO)	UK to Gibraltar and NW Mediterranean
51 Leg 2		15 Nov - 7 Dec	8196-8246	Physics	J. Crease (NIO)	NW Mediterranean
51 Leg 2		9 Dec-18 Dec	8196-8246	Physics	J. Swallow (NIO)	Gibraltar to UK
52	1973	17 Feb - 28 Mar	8247-8281	Physics, biology	J.C. Swallow, P.M. David (NIO)	N Atlantic, 32N section, Bermuda
53		1 Apr - 14 Jun	8282-8431	Physics (MODE-1)	J.C. Swallow (NIO)	Bermuda, N Atlantic
54		29 Jun - 15 Aug	8432-8443	Geophysics	A.S. Laughton (IOS)	NE Atlantic
55		8 Sept - 19 Oct	8444-8459	Geology and Geophysics	A.H.B. Stride (IOS)	E Mediterranean, Gulf of Cadiz
56		30 Oct - 7 Nov	8462-8469	Physics (tides)	D.E. Cartwright (IOS)	Bay of Biscay
57		10 Nov - 1 Dec	8469a-8498	Physics, GLORIA fishing etc	B.S. McCartney (IOS)	NE Atlantic Hebrides Minches
58		5 Dec - 15 Dec		Physics (tides)	D.E. Cartwright (IOS)	Bay of Biscay
59	1974	1 Feb - 19 Feb	8473 - 8483	Instrument trials	B.S. McCartney (IOS)	NE Atlantic Biscay
60		26 Feb - 22 Mar	8483a - 8498	Geophysics	D.G. Roberts (IOS)	NE Atlantic Rockall Plateau, SW Approaches
61		30 Mar - 16 May	8499 - 8516	Biology	M.V. Angel (IOS)	NE Atlantic (44°N, 13°W)
62		24 May - 3 Jun		Equipment trials	W.E. Elford (IOS)	NE Atlantic Biscay

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63		12 Jun – 14 Jul	8517 - 8542	Geochemistry, Biology	S.E. Calvert (IOS)	NE Atlantic UK to NW Africa
64		17 Jul – 13 Aug	8543 - -8591	Physics (GATE), Biology	S.A. Thorpe (IOS)	Equatorial E Atlantic
65		15 Aug - 29 Aug	8592 - 8623	Biology, Physics (GATE)	A de C Baker (IOS)	Equatorial E Atlantic 8°N 23°W
66		31 Aug – 29Sep	8625 - 8633	Physics, Meteorology (GATE)	R.I.Tait (Liverpool)	Equatorial E Atlantic
67		14 Oct – 23 Oct	8634 - 8635	Equipment trials, Geology	A.H. Stride (IOS)	NE Atlantic (Biscay), North Sea
68 3 legs		1 Nov – 14 Dec	8636 - 8648	Physics (tides) Geophysics Biology	D.E. Cartwright (IOS) A.S. Laughton (IOS) B.S. McCartney (IOS)	N Biscay Shelf Azores 44°N 13°W
69	1975	21 Jan – 12 Mar	8649 - 8819	Physics, Biology, Chemistry	A.deC. Baker (IOS)	NE Atlantic off NW Africa
70		27 Mar – 25 Apr	8820 - 8853	Physics (Topographic flow experiment)	J.C. Swallow (IOS)	NE Atlantic Iberian AP
71		8 May – 27 May		Geology, Geophysics (GLORIA)	A.H.B. Stride (IOS)	Biscay and SW Approaches
72		31 May – 26 Jun	8854 - 8886	Physics (Topographic flow experiment)	W.J. Gould (IOS)	NE Atlantic Iberian AP
73		3 Jul – 26 Aug	8887 - 8895	Geophysics	A.S. Laughton (IOS)	NE Atlantic. MAR N. of Azores
74 (Leg 1)		3 Sep – 15 Sep	8896 - 8905	Physics (tides)	J.B. Rae (Bidston)	NE Atlantic. Shelf edge and along 53 <sup>1</sup> / <sub>2</sub> °N
74 (Leg 2)		15 Sep – 26 Sep	8907 - 8925	Geophysics	D.G. Roberts (IOS)	NE Atlantic. SW Approaches. N Biscay
74 (Leg 3)		28 Sep – 13 Oct		Physics (tides), geophysics	D.E. Cartwright (Bidston)	NE Atlantic. Shelf edge and along 53 <sup>1</sup> / <sub>2</sub> °N
75		22 Oct – 8 Nov	8926 - 8933	Geochemistry, Biology	S.E. Calvert (IOS)	NE Atlantic off NW Africa
<b>Fire and refit</b>						
76	1976	26 Jun – 8 Jul	8934 - 8935	Instrument trials	B.S. McCartney (IOS)	NE Atlantic
77		15 Jul – 31 Aug	8936 - 9046	Biology	P.J. Herring	NE Atlantic. Canary Is
78 (3 legs)		8 Sep – 18 Oct	9050 - 9056	Physics (tides) Equipment trials Physics (tides)	J.B. Rae (Bidston) W.E. Elford (IOS) D.E. Cartwright	NE Atlantic (S. of Iceland, W. of Hebrides)
79		28 Oct – 28 Nov	9058 - -9134	Biology, Geochem, Chemistry, Physics	A.L. Rice (IOS)	NE Atlantic off NWAfrica
80		30 Nov – 20 Dec	9135 - 9227	Physics	J. Crease (IOS)	NE Atlantic Gulf of Cadiz
81	1977		9228 – 9382 9383 - 9406	Physics	J.C. Swallow (IOS) W.J. Gould (IOS)	NE Atlantic (41-49°N, 10-30°W)
82		21 Mar – 10 Apr 12 Apr – 3 May	9498 – 9536 9537 - 9554	Biology, Chemistry Physics	M.V. Angel (IOS) A de C Baker (IOS)	NE Atlantic (NW Africa) NE Atlantic (NW Africa, 20°N, 20°W)
83		26 May – 9 Jun		GLORIA II and equipment trails	W.E. Elford (IOS)	NE Atlantic (Celtic Sea, Porcupine bight)
84		15 Jun – 28 Jul	9555 - 9574	Geophysics, Geology	A.S. Laughton (IOS)	NE Atlantic (Charlie-Gibbs FZ, Reykjanes Ridge, Kings Trough)
85		1 Aug – 30 Aug		Geology	A.H.B. Stride (IOS)	E Mediterranean
86		7 Sep – 30 Sep	9575 - 9623	Physics, Meteorology (JASIN)	J.C. Swallow (IOS)	NE Atlantic (Rockall Trough)
87		8 Oct – 19 Oct		Geophysics and Biology instrument trials	R.B. Whitmarsh (IOS)	NE Atlantic (off Portugal)
88		23 Oct – 16 Nov	9624 - 9641	Geochemistry, Biology	A.L. Rice (IOS)	NE Atlantic (Off Iberia Peninsula, Porcupine Seabight)
89		23 Nov – 20 Dec	9642 - 9746	Physics (Moorings)	W.J. Gould (IOS)	NE Atlantic (Off Iberia Peninsula)
90	1978	20 Jan – 3 Mar	9747 - 9749	Geophysics	D.G. Roberts (IOS)	NE Atlantic (Europe, N Africa Cont Margin)
91		5 Mar – 28 Mar	9750 - 9751	Geophysics	R.C. Searle (IOS)	NE Atlantic (Azores triple junction)

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92		4 Apr – 23 May	9752 - 9801	Biology	M.V. Angel (IOS)	NE Atlantic (Porcupine Seabight, 13°W, 17°W, 42°N 17°W))
93		26 May – 6 Jul	9802 – 9828	Geophysics, Geology	R.B. Whitmarsh (IOS)	NE Atlantic (Azores-Biscay rise, Mid Atlantic Ridge)
94		12 Jul – 16 Aug 20 Aug – 17 Sep	9829 – 9837 9838 - 9903	Physics, Meteorology (JASIN)	P.M.Saunders (IOS) R.T. Pollard (IOS)	NE Atlantic (N. Rockall Trough)
95		25 Oct – 17 Nov	9904 - 9924	Physics, Meteorology (FGGE), tides	D.E. Cartwright (Bidston)	Tropical Atlantic (27 <sup>1</sup> / <sub>2</sub> and 32 <sup>1</sup> / <sub>2</sub> W)
96		21 Nov – 4 Dec	9925 - 9926	Geology, Geophysics	R.H. Belderson (IOS)	Equatorial Atlantic (Mid ocean canyon, Romanche FZ)
97		6 Dec – 21 Dec		Physics (tides), Meteorology (FGGE)	L.M. Skinner (RVS)	Tropical Atlantic
98	1979	27 Dec – 10 Jan	9927 – 9933	Physics, Geophysics	R.T Pollard (IOS)	S. Atlantic (Recife to Cape Town)
99		16 Jan – 27 Jan	9934 - 9953	Geochemistry Chemistry, Biochemistry	S.E. Calvert (IOS)	S Atlantic (Cape Basin)
100		31 Jan – 4 Apr	9954 - 10005	Physics, Biology, Geophysics	J. Crease (IOS)	Indian and Southern Oceans
101		10 Apr – 6 May	10006 - 10013	Geophysics	D.G. Roberts (IOS)	SW Indian Ocean, Mascarene Plateau
102		10 May – 6 Jun	10014 - 10093	Physics (FGGE)	J.C. Swallow (IOS)	Indian Ocean (Somali Current)
103		9 Jul - 25 Jul	10094 - 10103	Geology, Geophysics	R.C. Seale (IOS)	Gulf of Aden, Red Sea
104		27 Jul – 19 Aug	10103 - 10104	Geology, Geophysics, Chemistry	N. Kenyon (IOS)	Mediterranean Sea, Gulf of Cadiz
105		29 Aug – 23 Oct	10105 - 10162	Biology, Chemistry	P.J. Herring (IOS)	NE Atlantic (NW Africa, Porcupine Seabight, Rockall Trough)
106		5 Dec – 22 Dec		Geophysics, Equipment Trials	R.B. Kidd (IOS)	N Atlantic (Tyne to Puerto Rico)
107	1980	28 Dec 9 Feb		Geophysics (LADLE)	R.B. Whitmarsh (IOS)	Caribbean Sea
108		18 Feb – 3 Mar	10163 - 10172	Chemistry	F. Culkin (IOS)	W Equatorial Atlantic (NARES AP)
109		10 Mar – 19 Apr		Geology, Geophysics	A.H.B. Stride (IOS)	W Equatorial Atlantic Passage to Panama
110		22 Apr – 18 Jun	10173 - 10194	Geophysics, Geochemistry	R.C. Searle (IOS)	E Equatorial Pacific
111		21 Jun – 3 Jul 8 Jul – 30 Jul	10195 - 10206	Geophysics (GLORIA) Geophysics	R.B. Kidd (IOS) D.G. Roberts (IOS)	W Atlantic (Blake Bahama Outer Ridge) W Atlantic (Grand Banks, Laurentian Fan)
112		3 Aug – 18 Aug	10207 - 10215	Geophysics. Physics (Tides)	D.E. Cartwright (Bidston)	N Atlantic (Grand Banks to W Biscay)
113		6 Oct – 13 Oct	10216 - 10220	Equipment trials	J.S.M. Rusby (IOS)	NE Atlantic (Celtic Sea, N Biscay)
114		16 Oct – 30 Nov	10221 - 10254	Biology, Physics Chemistry	M.V. Angel (IOS)	NE Atlantic (Azores, Madeira AP)
115		4 Dec – 17 Dec	10254	Physics (Tides)	D.E. Cartwright (Bidston)	N Atlantic (Grand Banks to W Biscay)
116	1981	6 Jan – 16 Jan	10255 - 10260	Physics, equipment trials	B.S. McCartney (IOS)	NE Atlantic (UK to Madeira)
117		19 Jan – 12 Feb	10261 - 10294	Physics	P.M. Saunders (IOS)	NE Atlantic (Biscay, Azores)
118		16 Feb – 30 Mar	10295 - 10335	Geophysics, geology	T.J.G. Francis (IOS)	NE Atlantic (Great Meteor, Cape Verde one, King's Trough)
119		7 Apr – 5 May	10336 - 10356	Physics	W.J. Gould (IOS)	NE Atlantic (Biscay, Azores)
120		9 May – 1 Jun	10357 - 10376	Biology, Physics	M.J.R. Fasham (IOS)	NE Atlantic (SW of Azores)
121		5 Jun – 26 Jun	10377 - 10382	Biology	M.V. Angel (IOS)	NE Atlantic (SW of Azores)
122		30 Jun – 27 Jul	10383 - 10397	Physics	W.J. Gould (IOS)	NE Atlantic (Biscay, Azores)
123		5 Aug – 10 Sep	10398	Geology, Geophysics	J.B. Wilson (IOS)	Continental Slope (NE Atlantic, Norwegian Sea)
124	1982	9 Jan – 18 Jan		Equipment Trials	J.S.M. Rusby (IOS)	NE Atlantic (Celtic Sea, Biscay)
125		30 Jan – 25 Feb	10399 - 10404	Geochemistry, Physics	J. Thompson (IOS)	NE Atlantic (Madeira, Cape Verde AP)
126		4 Mar – 3 Apr	10405 - 10408	G and G Completed by RRS Shackleton	T.J.G. Francis (IOS)	NE Atlantic (Azores, Canaries)

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127		11 Apr – 29 Apr	10409 - 10511	Physics	P.Hughes (Liverpool)	NE Atlantic (off NW Africa)
128		2 May – 26 May	10512 - 10546	Geochemistry, Biology	R.J. Morris (IOS)	Tropical E Atlantic (Guinea Basin)
129		29 May – 22 Jun	10547 - 10554	Geochemistry, Chemistry	T.R.S. Wilson (IOS)	Tropical and Subtropical E Atlantic
130		25 Jun – 5 Aug	10555 - 10599	Physics	W.J.Gould (IOS) P.M. Saunders (IOS)	NE Atlantic (Discovery Gap)
131		12 Aug – 23 Sep	10600 - 10619	Geology, Geophysics	R,B. Whitmarsh(IOS)	N Atlantic (Gibraltar, St Johns Newfoundland, Charlie-Gibbs FZ)
132	1983	27 Jan – 20 Feb	10620 - 10650	Physics, Meteorology	R.T. Pollard (IOS)	NE Atlantic (Porcupine and Iberian AP) (
133		22 Feb – 27 Feb		Equipment trials	J.S.M. Rusby (IOS)	NE Atlantic (Tagus AP)
134		1 Mar – 26 Mar	10653 - 10699	Geology, Geophysics	T.J.G. Francis (IOS)	NE Atlantic (Great Meteor E, Kings Trough)
135		30 Mar – 24 Apr	10700 - 10709	Geochemistry, Chemistry	T.R.S.Wilson (IOS)	NE Atlantic (Discovery Gap, Kings Trough, Torre Seamount, W. Mediterranean)
136		29 Apr – 15 May		Geology, Geophysics	G. Kelling (Keele)	W Mediterranean (Messina Basin,Hellenic Tch)
137		18 May – 12 Jun		Geology, Geophysics, Physics	M. Brooks (Cardiff) M Collins (Swansea)	W Mediterranean (Gulf of Corinth, N.W. Aegean)
138		17 Jun – 9 Jul	10784 -10824	Physics	W.J. Gould (IOS)	NE Atlantic (Discovery Gap, Madeira Basin)
139		12 Jul - 2 Aug	10825 - 10869	Physics	A.J. Elliott (IOS)	NE Atlantic (Madeira, Cape Verde)
140		5 Aug – 13 Sep	10870 - 10942	Biology, Biochemistry, Geochemistry	P.J. Herring (IOS)	NE Atlantic (Madeira, Great Meteor, Galicia Bank)
141		26 Oct – 16 Nov	10943 - 10949	Physics, Equipment trials	B.S. McCartney (IOS)	NE Atlantic (Madeira Rise, Great Meteor)
142		20 Nov – 18 Dec	10950 - 10958	Geophysics, Geology	R.C. Searle (IOS)	Equatorial Atlantic (Romanche, St Paul FZ)
143	1984	22 Dec – 19 Jan		Geophysics	R.S. White (Cambridge)	NE Atlantic (Cape Verde Rise)
144		22 Jan – 20 Feb	10959 - 10984	Geology, Geophysics	P.J. Shultheiss (IOS)	NE Atlantic (Great Meteor)
145		25 Feb – 24 Mar	10985 - 11029	Physics, Meteorology	R.T. Pollard (IOS)	NE Atlantic (Iberia, Biscay AP)
146		27 Mar – 24 Apr	11030 - 11096	Biology, Physics	M.V. Angel (IOS)	NE Atlantic (Iberia, Biscay AP)
147		26 Apr – 17 May	11097 - 11116	Biogeochemistry, Physics	W.R. Simpson (IOS)	NE Atlantic (Porcupine AP and Seabight)
148		21 May – 12 Jun	11116 - 11134	Biology, Physics	H.S.J. Roe (IOS)	NE Atlantic (King's Trough)
149		15 Jun – 10 Jul	11135 - 11147	Geochemistry	T.R.S. Wilson (IOS)	NE Atlantic (Great Meteor East (GME), Madeira AP)
150		23 Aug – 6 Sep		Geophysics (Seismics)	M.C. Sinha (Cambridge)	NE Atlantic (W of Hebrides)
151		18 Sep – 29 Sep	11153 - 11156	Physics	W.J. Gould (IOS)	NE Atlantic (Azores/Biscay)
152		4 Oct – 15 Oct	11157 - 11167	Equipment trials	J.S.M. Rusby (IOS)	NE Atlantic (Tagus AP)
153		20 Oct – 17 Nov	11168 - 11192	Geology, Geophysics	R.C. Searle (IOS)	NE Atlantic (GME, Madeira AP)
154	1985	8 Dec – 11 Apr	11193 - 11250	Geophysics, Geology	P.Barker (Birmingham/BAS)	S Ocean (Weddell Sea, Antarctic Peninsula)
155		17 May – 11 Jun		Geophysics (Seismics)	R.S. White (Cambridge)	NE Atlantic (Rockall, Hatton)
156		18 Jun – 29 Jul	11252 - 11272	Biology, Physics	H.S.J. Roe (IOS)	NE Atlantic (GME)
157	1986	27 Mar – 9 Apr		Equipment Trials	J.S.M. Rusby (IOS)	NE Atlantic (SW Approaches, Biscay, Iberia AP)
158		12 Apr – 12 May	11263 - 11301	Biology, Physics, Chemistry	A.,L. Rice (IOS)	NE Atlantic (Porcupine Seabight, Iberia AP)
159		15 May – 25 Jun	11287 - 11316	Biogeochemistry, Biology, Physics	W.R. Simpson (IOS)	NE Atlantic (GME, 26°N transect, TAG hydrothermal)
160		30 Jun – 25 Jul	11317 - 11343	Geochemistry	J. Thompson (IOS)	NE Atlantic (Madeira and Porcupine AP)
160A		28 Jul – 9 Aug	11344 - 11348	Geochemistry, Physics	D.J.Hydes (IOS)	English channel, NE Atlantic Shelf edge

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161		15 Aug – 19 Sep	11349 - 11357	Geophysics (Seismics)	R.B. Whitmarsh (IOSDL)	NE Atlantic Iberia/Tagus AP
162		22 Sep – 9 Oct	11359 - 11380	Physics	P.M. Saunders (IOSDL)	NE Atlantic Madeira/Iberia AP
163		26 Oct – 19 Nov	11381 - 11398	Geophysics, Geology	R.C.Searle (IOSDL)	NE Atlantic
164	1987	19 Dec - 21 Jan	11399 - 11461	Physics	R.T.Pollard (IOSDL)	SW Indian and S Ocean
165A		26 Jan – 26 Feb	11462 - 11471	Physics	J..Luyten (WHOI)	SE Atlantic
165B		20 Apr - 26 May	11471 - 11535	Physics	F.A. Aikman (LDGO)	S Atlantic off SW Africa
166				Not used		
167				Not used		
168		23 Jun – 7 Aug	11535 - 11638	Biology/physics	P.J.Herring (IOS)	NW African Slope
169		12 Aug – 31 Aug	11639 - 11705	Physics	S.A.Thorpe (Southampton)	NE Atlantic W of Porcupine Bank
170		4 Sep – 23 Sep	11705 - 11719	Instrument trials	J.S.M. Rusby (IOS) M.C. Sinha (Cambridge)	NE Atlantic
171		23 Oct – 15 Dec		Geophysics	R.S.White (Cambridge)	W. Atlantic
172	1988	17 Dec – 31 Mar		Geophysics	P Barker (BAS)	S Atlantic. Scotia and Weddell Seas
173		29 Apr – 9 May	11719 - 11729	Physics	S.A. Thorpe (Southampton)	NE Atlantic. Porcupine Bank
174		19 May - 12 Jun	11730 - 11791	Physics	P.M. Saunders (IOS)	N Atlantic. Faeroes and Charlie Gibbs FZ
175		18 Jun – 15 Jul	11792 - 11794	Biology, Physics, Chemistry	P.R Pugh (IOS)	Porcupine Seabight and Abyssal Plain
176		22 Jul – 22 Aug	11795 - 11796	Geochemistry, Physics	H Elderfield (Leeds)	Mid-Atlantic Ridge 26 and 31°N
177		26 Aug – 5 Oct	11797 - 11812	Geochemistry, Geology	J. Thompson (IOS)	N.E Atlantic Discovery and Tagus A.P
178		8 Nov – 7 Dec	Not recorded	Geophysics (seismics)	P.J. Barton (Cambridge)	N.E. Atlantic (Madeira Tores Rise_
179	1989	13 Dec – 9 Jan	Not recorded	Biogeochemistry	F. Mantoura (Plymouth)	NW Mediterranean
180		20 Jan – 4 Feb	Not recorded	Physics (Rockall Section)	D.J. Ellett (SMBA)	NW Shelf , Rockall
181		1 Apr – 2 May	11825 - 11855	Physics/chemistry	R.T. Pollard (IOSDL)	NE Atlantic (Biscay to 20°W)
182		8 May – 8 Jun	11857 - 11866	Biogeochemistry (BOFS)	M.J. Fasham (IOSDL)	NE Atlantic (47N 20 W and 60N 20W)
183		12 Jun – 12 Jul	Not recorded	Chemistry, Biochemistry	R Harris (PML)	NE Atlantic
184		14 Jul – 14 Aug	11878 - 11905	Biogeochemistry, geology (BOFS)	I.N. McCave (Cambridge)	NE Atlantic (20 °W)
185		18 Aug – 17 Sep	11906 - 11908	Benthic Biology	A.L. Rice (IOSDL)	NE Atlantic (Porcupine AP)
186		20 Sep – 16 Oct	Not recorded	??	??	NE Atlantic (Iberian Peninsula)
187		20 Oct – 20 Nov	11934 - 11958	Geology, Geochemistry	P.P.E. Weaver (IOSDL)	NE Atlantic (Tagus, Horseshoe, Seine APs)
188	1990	20 Jan – 24 Feb	11959 - 11961	Geology GLORIA, TOBI	D.G. Masson (IOSDL)	NE Atlantic Canary Is
189		9 Mar – 8 Apr	11962 - 11020	Physics/chemistry	B.A.King (IOSDL)	NE Atlantic (Biscay to 20°W)
190		14 Apr – 8 May	11021 - 12052	Biogeochemistry (BOFS)	A.J. Watson (PML)	NE Atlantic
191		11 May – 6 Jun	12053 - 12106	Biogeochemistry (BOFS)	M.V. Angel (IOSDL)	NE Atlantic
192		9 Jun – 27 Jun	12107 - 12118	Biogeochemistry (BOFS)	D.R. Turner (PML)	NE Atlantic
193		30 Jun – 1 Aug	12119 - 12163	Physics (Mooring and drifters)	R.D. Pingree (PML)	NE Atlantic (Biscay and 52N 22W)
194		4 Aug – 2 Sep	12164 - 12175	Biology	P.J. Herring (IOSDL)	NE Atlantic (Madeira AP)
195		5 Sep – 5 Oct	12176 - 12197	Biology	P.J. Herring (IOSDL)	NE Atlantic (Canary Is)
<b>Refit and redesign</b>						
196	1992	25 Sep – 13 Oct		Passage Teneriffe – Cape Town		
197		18 Oct – 3 Nov		Passage Cape Town to Port Stanley		

Cr No	Year	Dates		Oceanographic discipline	Chief Scientist	Working area
198		11 Nov – 17 Dec	12198 - 12237	Biogeochemistry BOFS (Sterna 92)	D.R. Turner (PML)	S Ocean Bellingshausen Sea
199	1993	22 Dec – 1 Feb	12247 - 12337	Physics (WOCE section A11)	P.M. Saunders (IOSDL)	S Atlantic 30 S
200		6 Feb – 18 Mar	12338 - 12386	Physics (ADOX)	R.R. Dickson (MAFF)	S Ocean (Indian ocean sector)
201		23 Mar – 3 May	12387 - 12487	Physics (SWINDEX)	R.T. Pollard (IOSDL)	S Indian Ocean (Agulhas Basin Crozet Plateau)
202		7 May – 3 Jun	Not recorded	Physics (BEST)	A.L. Gordon (LDEO)	S Atlantic (Benguela Current)
203		2 Jul – 2 Aug	Not recorded	Chemistry, Biogeochemistry	F. Mantoura (PML)	W Mediterranean
204		24 Sept – 20 Oct 20 Oct – 6 Nov	12599 - 12615	Benthic Biology	A.L. Rice (IOSDL) P.J. Herring (IOSDL)	NE Atlantic (Porcupine and Madeira AP)
205		10 Nov – 7 Dec	12618 -12627	Geology, Geophysics (TOBI)	D.G. Masson (IOSDL)	NE Atlantic (West of Canaries)
206	1994	8 Dec - 20 Jan		Geology, Geophysics	G.KWestbrook (Birmingham)	Mediterranean (Ionian Sea)
207		19 Feb – 31 Mar	12628 - 12660	Physics (Mooring recovery from 200)	R.R. Dickson (MAFF)	S Ocean (Indian ocean sector)
208		19 Apr – 20 May	Not recorded	Geophysics	T.A. Minshull (Cambridge)	SW Indian Ridge
209		3 Aug – 22 Aug	12660 - 12670	Biology	P.J. Herring (IOSDL)	Arabian Sea
210		25 Aug – 5 Oct	Not recorded	Biogeochemistry (JGOFS)	F. Mantoura (PML)	Arabian Sea
211		9 Oct – 11 Nov	Not recorded	Biogeochemistry	J.D. Gage (Dunstaffnage)	Arabian Sea
212		16 Nov – 19 Dec	Not recorded	Biogeochemistry (JGOFS)	P.H. Burkill (PML)	Arabian Sea
213	1995	6 Jan – 21 Feb	12671 - 12776	Physics (WOCE)	R.T. Pollard (Janes Rennell Centre)	S Indian (Agulhas Plateau – Crozet Is)
214		26 Feb – 9 Mar	12777 - 12791	Physics (WOCE)	H.L. Bryden (Janes Rennell Centre)	S Indian (Agulhas Current)
215		18 Jul - 20 Aug	Not recorded	Geophysics	T.A. Minshull (Cambridge)	Iberian AP
216		26 Aug – 12 Sep	12794 - 12832	Biogeochemistry (OMEX)	P.J.Statham (U. Southampton)	Biscay. Celtic Sea
217		27 Sep – 22 Oct	12791 - 12839	Biogeochemistry (OMEX)	R Lampitt (SOC)	Biscay. Celtic Sea
218		12 Nov – 24 Nov		Equipment trials	G.M. Batten (RVS)	NE Atlantic
219		28 Nov – 11 Dec	Not recorded		P.P.E. Weaver (SOC)	Iberia Margin, Canary Is
220		18 Apr – 4 Jul		Cruise cancelled		
221		11 Jun – 23 Jul	Not recorded	Biology, Chemistry (PRIME)	G. Savidge (Queens Belfast)	NE Atlantic (60°N, 20°W)
222A		27 Jul – 26 Aug	Not recorded	Instrument development	I.G.Priede (Aberdeen)	NE Atlantic (Porcupine AP)
222B		29 Aug – 24 Sep	12812 - 12930	Biogeochemistry (BENGAL)	A.L. Rice (SOC)	NE Atlantic (Porcupine AP)
223A 223B		28 Sep – 21 Oct 22 Oct – 19 Nov	12931 - 13018	Physics (Vivaldi) WOCE Physics (Vivaldi) WOCE	H. Leach (Liverpool) R.T. Pollard (SOC)	NE Atlantic (Iceland basin)
224A 224B	1997	27 Nov – 29 Dec 30 Dec- 17 Jan	13018 - 13051 13063 - 13068	Physics (OMEGA) Physics . Biology	J.T. Allen, T.H. Guymer (SOC) P. Pugh (SOC)	W Mediterranean
225A 225B		13 Feb – 24 Feb 24 Feb – 7 Mar	Not recorded 13070 - 13076	Geology. Giant Piston corer trial Geology	G.M. Batten (RVS) P.P.E. Weaver (SOC)	NE Atlantic. Iberian Margin, Agadir basin
226		12 Mar – 10 Apr	13077	Biogeochemistry (BENGAL)	A.L. Rice (SOC)	NE Atlantic (Porcupine AP)
227		15 Apr – 16 May	13079 - 13192	Physics, Biology	M. Srokosz (SOC)	NE Atlantic (47°N 18°W)
228		21 May – 28 Jun	13193 - 13199	Biogeochemistry (FLAME)	C.R. German (SOC)	Mid Atlantic Ridge SW of Azores
229		2 Jul – 31 Jul	13200	Biogeochemistry (BENGAL)	B.J. Bett (SOC)	NE Atlantic (Porcupine AP)
230		7 Aug – 17 Sep	13201 - 13343	Physics	S. Bacon (SOC)	NE Atlantic (Portugal – Greenland)
230A	1998	5 Feb – 19 Feb	13344 - 13357	Geology (charter)	K Jones (DML)	West of Scotland
231		28 Feb – 30 Mar	13368 - 13370	Biogeochemistry (BENGAL)	A.L. Rice (SOC)	NE Atlantic (Porcupine AP)
232		4 Apr – 21 Apr	13374 - 13412	Physics	H.L. Bryden (SOC)	Straits of Gibraltar

Cr No	Year	Dates		Oceanographic discipline	Chief Scientist	Working area
233		23 Apr – 1 Jun	13415 - 13553	Physics, Chemistry	D. Smythe-Wright (NOC)	NE Atlantic (20°W)
234		6 Jun – 9 Jul Fairlie, Southampton	13554 - 13626	Biochemistry. Air-sea exchange	P.S. Liss (UEA)	NE Atlantic (60°N,20°W)
235C		15 Jul – 3 Aug		Geophysics, Seismics	C. Peirce (U. Durham)	NE Atlantic (Reykjanes Ridge))
236				Number not used		
237		24 Sep – 8 Oct	13627	BENGAL	M Sibuet (IFREMER)	NE Atlantic (Porcupine AP)
238				Number not used		
239				Number not used		
240	1999	11 May – 28 May		Instrument trials	I.P..Rouse (SOC)	NE Atlantic (Western Approaches)
241		4 Jun – 1 Jul	Not used	Biology, biogeochemistry	P. H. Burkill (PML)	Northern North Sea
242		7 Sep – 6 Oct	13630 - 13757	Physics	S Cunningham (SOC)	Faroe-Shetland Channel
243				Number not used		
244				Number not used		
245	2000	27 Jan – 20 Feb	13758 - 13811	Physics (Ellett Line)	N.P. Holliday (SOC) C.R. Griffiths (SMBA)	NE Atlantic (Rockall)
246		15 May – 30 May	Not used	Physics /biology	P.H. Burkill (PML)	Celtic Sea
247		5 Jun – 3 Jul	Not used	Physics (mixing)	J.F. Price (WHOI)	Faroes
248		8 Jul – 10 Aug	13812 - 13881	Geology, Ecology (ACES)	D.G. Masson (SOC) P.A.Tyler (U Southampton)	NE Atlantic (Porcupine Bank and Seamounts)
249		19 Aug – 10 Sep	13882 - 13902	Geology, Geophysics	P.P.E Weaver (SOC)	NE Atlantic (Gulf of Cadiz)
250		15 Sep – 10 Oct	13903 - 13925	Biology (Demersal fish)	M.A. Collins (U Aberdeen)	NE Atlantic (Porcupine Bank and AP)
251	2001	31 Mar – 9 Apr		Post refit trials	E.B. Cooper (RVS)	
252		13 Apr – 30 Apr		Biology	I.G. Priede (U Aberdeen)	NE Atlantic (Porcupine Seabight)
253		4 May – 20 Jun	13965 - 14130	Multidisciplinary. Bio-acoustics FISHES	J.T. Allen (SOC)	Scotland - Iceland
254		26 Jun – 26 Jul	Not used	Geology Geophysics	C.P. Brett (BGS)	NE Atlantic 62°N
255		14 Aug – 3 Sep	14132 - 14171	Biology	P. Bagley (U Aberdeen)	NE Atlantic Porcupine Seabight
256		7 Sep – 18 Sep		No report	K Jones (SAMS)	Clyde Sea
257		21 Sep – 9 Oct	Not used	Physics, biology, chemistry	C.R. Griffiths (SAMS)	NE Atlantic Ellett Line
258		1 Nov – 18 Dec	14190 - 14296	Multidisciplinary (MARPROD 1)	R. T. Pollard (SOC)	NE Atlantic (Irminger Iceland, basins)
259				Number not used		
260	2002	6 Mar – 24 Mar	14297- 14325	Biology	M.A. Collins (U. Aberdeen)	NE Atlantic (Porcupine Seabight)
261		1 Apr – 14 Apr	Not used	Biogeochemistry	C. Turley (PML)	NE Atlantic (Celtic Sea)
262		18 Apr – 26 May	14326 - 14675	Multidisciplinary (MARPROD 2)	K.J. Richards (U. Southampton)	NE Atlantic (Irminger Iceland, basins)
263		4 Jun – 19 Jul	Not used	Geophysics	R.S. White (U. Cambridge)	NE Atlantic
264		25 Jul – 28 Aug	14681 - 15040	Multidisciplinary (MARPROD 3)	A.S. Brierley (U St Andrews)	NE Atlantic (Irminger Iceland, basins)
265		2 Sep – 23 Sep		Geophysics		
266		27 Sep – 24 Oct		Biology	I G Pried (U Aberdeen)	NE Atlantic Porcupine Seabight
267		6 Nov – 19 Dec	15067 - 15230	Multidisciplinary (MARPROD 3)	J.T. Allen (SOC)	NE Atlantic (Irminger Iceland, basins)
268				Number not used		
269				Number not used		
270				Number not used		



Cr No	Year	Dates		Oceanographic discipline	Chief Scientist	Working area
271				Number not used		
272				Number not used		
273	2003	13 Aug – 28 Aug	Not used	Geophysics	C.P. Brett (BGS Edinburgh)	NE Atlantic Rockall-Hatton
274		12 Sep – 1 Oct	Not used	Geophysics. Acoustics (SIRENA2)	J. Goslin (UBO, Brest France)	Azores
275		28 Oct – 3 Dec	Not used	Geophysics (ACE)	A.B. Watts (U Oxford)	Equatorial Atlantic (Amazon Cone)
276		8 Dec – 21 Dec	Not recorded	Physics (CLIVAR)	W Zenk (Ifm GEOMAR Germany)	South Atlantic
277	2004	26 Feb – 16 Mar	15253 - 15279	Physics (RAPID Array)	S Cunningham (SOC)	N Atlantic 26.5°N
278		19 Mar – 30 Mar	15280 - 15304	Physics (RAPID Array)	S. Cunningham (SOC)	N Atlantic 26.5°N
279		4 Apr – 10 May	15305 - 15429	Physics (RAPID Array)	S. Cunningham (SOC)	N Atlantic 26.5°N
280				Number not used		
281				Number not used		
282		30 Jun – 1 Aug	15430 - 15487	Multi disciplinary (BICEP OASIS)	B.J. Bett (SOC)	NE Atlantic Seine Seamount
283				Number not used		
284		17 Sep – 29 Oct	Not used	Multi disciplinary (AMT 15)	A. Rees (PML)	UK – Cape Town
285		3 Nov – 10 Dec	15486 - 15546	Multi disciplinary (CROZEX)	R.T. Pollard (SOC)	S Indian Ocean Crozet Is
286	2005	13 Dec – 21 Jan	15547 - 15634	Multi disciplinary (CROZEX)	R. Sanders (SOC)	S Indian Ocean Crozet Is
287				Number not used		
288		26 Jan – 21 Feb	15635 - 15695	Physics/ Biology (MADEX)	G. Quartly (SOC)	S Indian Ocean
289B		26 Feb – 15 Mar	Not used	Physics	D. Byrne (U Maine, USA)	S Indian Ocean Agulhas Current
290				Number not used		
291		23 Mar – 10 Apr	Not used	Physics	D. Byrne (U Maine, USA)	S Indian Ocean Agulhas Current
292				Number not used		
293				Number not used		
294		20 May – 29 Jun	Not used	Multi disciplinary (AMT 16)	A Bale (PML)	Cape Town - UK
295				Number not used		
296		14 Jul – 23 Jul	15686 - 15724	Multidisciplinary (ANIMATE BICEP)	R Lampitt (NOC)	NE Atlantic (Porcupine AP)
297		27 Jul – 16 Aug	15725 - 15771	Multidisciplinary (HERMES/EUROSTRATAFORM)	P.P.E. Weaver (NOC)	NE Atlantic (Iberia Margin)
298		23 Aug – 25 Sep	Not used	Physics (RAPID)	S.H. Bacon (NOC)	N Atlantic (Cape Farewell)
299		15 Oct – 28 Nov	Not used	Multidisciplinary (AMT 17)	P. Holligan (NOC)	UK – Cape Town
300	2006	1 Dec – 14 Jan	15772 – 15778	Benthic biology	G. Wolff (U Liverpool)	S Indian Ocean Crozet
301				Moorings	NIOZ	S Indian Ocean
302		16 Mar – 12 Apr	Not used	Physics	G. Quartly (NOC)	S Indian Ocean
303				Number not used		
304		12 May – 6 Jun	15860	Physics (RAPID) Moorings	Cunningham	Atlantic 26N
305				Number not used		
306		23 Jun – 9 Jul	15861 - 15979	Benthic Biogeochemistry	P. Burkill (NOC)	NE Atlantic (Porcupine AP)
307				Number not used		
308		24 Jul – 15 Aug	Not used	Physics (RAPID WAVE)	M.A.M. Maqueda (POL)	NW Atlantic
309		18 Aug – 5 Sep	Not used	Physics (RAPID)	S.H. Bacon (NOC)	NE Atlantic Irminger Sea
310						

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311		9 Sep – 5 Oct	Not used	Physics (ASOF)	D. Quafasel (U Hamburg, Germany)	Denmark Strait
312		11 Oct – 31 Oct	16126 - 16194	Physics	J.T. Allen NOC	NE Atlantic (Ellett Line)
313		7 Nov – 6 Dec	Not used	Air-Sea exchanges SOLAS	R Upstill-Goddard (U Newcastle)	
314	2007			Number not used		
315				Number not used		
316				Number not used		
317		21 Mar – 12 Apr	Not used	Air-Sea exchanges SOLAS	I Brooks (U Leeds)	N Atlantic
318A		17 Apr – 23 Apr	Not used	Geophysics Seismics	R Hobbs (U Durham)	NE Atlantic Iberia Margin
318B		27 Apr – 14 May	Not used	Geophysics Seismics	R Hobbs (U Durham)	NE Atlantic Iberia Margin
319		19 May – 11 Jun	Not used	Air-Sea exchanges SOLAS	G. McFiggans (U Manchester)	Cape Verde
320		16 Jun – 18 Jul	Not used	Air-Sea exchanges SOLAS	R Upstill-Goddard (U Newcastle)	NE Atlantic
321A		24 Jul – 23 Aug	16195 - 16300	Biology/Physics	J.T. Allen (NOC)	Iceland Basin
321B		24 Aug – 9 Sep	Not used	Physics Ellett Line	T.J. Sherwin (SAMS)	N Atlantic
323		19 Sep – 3 Oct	Not used	Autosub6000 trails	S McPhail (NOC)	N Biscay
324		6 Oct – 9 Nov	Not used	RAPID	S Cunningham (NOC)	Atlantic 26N
325		13 Nov – 18 Dec	Not used	Air Sea exchange SOLAS	G. Malin (UEA)	SE Atlantic
326	2008	5 Jan – 5 Feb	Not used		E.P. Achterberg (U Southampton)	Cape Verde
327				Number not used		
328		21 Apr – 29 Apr		Cruise cancelled	J.F. Read (NOC)	
329				Number not used		
330		14 Jul – 21 Jul		Winch trials	J. Evans (NMF)	UK waters
331		24 Jul – 15 Aug	Not used	Benthic biology ECOMAR	P Bagley (U Aberdeen)	N Atlantic C-G FZ
332		20 Aug – 25 Sep	Not used	Physics Repeat WOCE section AR7	S.H. Bacon (NOC)	N Atlantic
333		28 Sep – 8 Oct	Not used	Mooring recovery	I.P. Rouse (NOC)	Porcupine AP
?		9 Oct – 24 Oct	Not used	Instrument trials	M Mowlem (NOC)	Canaries
334		27 Oct – 24 Nov	Not used	Physics (RAPID)	S. Cunningham (NOC)	N Atlantic 26N
335	2009	4 Feb – 25 Feb		Recertification	T. Lee (NMF)	UK waters
336		6 Mar – 28 Mar		Trials	J. Scott (NMF)	UK waters
337		7 Apr – 13 Apr		Passage		UK to Canaries
338		15 Apr – 27 May	Not used	Air-sea exchange (SOLAS)	Carol Robinson UEA	NE Atlantic Cape Verde
339		29 May – 7 Jun		Passage		Spain - Iceland
340		10 Jun – 4 Jul	Not used	Physics Chemistry Ellett line	T.J. Sherwin (SAMS) M. Inall (SAMS)	N Atlantic
341		8 Jul – 13 Aug	16476 - 16667	Biogeochemistry	R Sanders (NOC)	NE Atlantic Porcupine AP
342		18 Aug – 18 Sep		Geophysics Seismics	A. Leslie (BGS)	NE Atlantic Rockall-Hatton
343		27 Sep – 15 Oct		Autosub6000 Trials	S. Mc Phail (NOC)	
344		21 Oct – 18 Nov		Physics (RAPID)	S.A. Cunningham (NOC)	N Atlantic 26N
345		21 Nov – 6 Dec		?	?	?
346	2010	5 Jan – 19 Feb		Physics (CLIVAR)	B.A. King (NOC)	N Atlantic (24N)
347		22 Feb – 28 Feb		Passage		
348		1 Mar – 1 Apr		Refit		

Cr No	Year	Dates		Oceanographic discipline	Chief Scientist	Working area
349				Passage		
350		26 Apr – 10 May		Biogeochemistry	C.M. Moore (NOC)	N Atlantic (Irminger and Iceland basins)
351	2010	10 May–28 May		Physics/chemistry	J.F. Read (NOC)	Subpolar N Atlantic Extended Ellett Line
352		2 Jun – 26 Jun		?	J. Sharples (NOC)	?
353		29 Jun – 4 Jul		?	?	UK to Iceland
354		4 Jul – 11 Aug		Biogeochemistry	E. Achterberg (U. Southampton)	N Atlantic Iceland and Irminger basins
355		15 Aug – 7 Sep		Passage UK to Walvis Bay		
356		10 Sep – 12 Oct		?	?	?
357		17 Oct – 25 Nov		Chemistry (GEOTRACES)	G. Henderson (U Oxford)	S Atlantic
358						
359	2011	18 Dec – 15 Jan		Physical oceanography (RAPID)	S Cunningham (NOC)	Subtropical N Atlantic 26N
360		19 Jan - 02 Feb		Autosub trials	S McPhail (NOC)	SW of Canary Is
361		07 Jan - 19 Mar		GEOTRACES	E Achterberg (NOC)	Subtropical N Atlantic
362		20 Mar - 28 Mar		Trials	NMF	
363		30 Mar - 8 May		Trials	NMF	
364				Passage	NMF	
365		11 May - 02 June		Physics (Ellett Line)	J Read (NOC)	UK - Iceland
366		06 Jun - 11 July		Ocean Acidification	E Achterberg (NOC)	NW Europe shelf
367						
368		15 Jul - 4 Aug		Physics WOCE A16N	B King (NOC)	NE Atlantic
369		9 Aug - 16 Sept		Biogeochemistry	M Zubkov (NOC)	Subtropical N Atlantic
370		17 Sep - 19 Sep		Passage	NMF	
371		29 Sep - 14 Nov		AMT 21	Glen Tarran (PML)	Atlantic
372		15 Nov - 05 Dec		Passage	NMF	E Pacific
363	2012	07 Dec - 20 Jan			Mark Trimmer (U London Queen Mary)	E Pacific
365		13 May- 2 June		Physics	J Read (NOC)	Physics (EllettLine)
366		6 Jun – 8 July			E Achterberg (NOC)	