



GO - SHIP

TOWARDS A SUSTAINED GLOBAL SURVEY OF THE OCEAN INTERIOR

GO-SHIP Reference Sections

GO-SHIP Reference Sections are repeat hydrographic sections that are coast-to-coast or coast-to-ice, follow standard WOCE lines with small modifications as necessary for territorial waters, ice coverage, etc., and maintain the standard WOCE sampling strategy. Sections labelled in **bold text** are sections that are re-occupied on a decadal timescale; sections in normal text are sections that are repeated more frequently (1-3 years).

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ATLANTIC			
Section	Description (ship track)	Last Occupation Chief Scientist Country	Next Occupation Chief Scientist Country
A01E / AR7E	Greenland to Ireland	2007 G.-J. Brummer Netherlands	2011 H. van Aken Netherlands
A01W / AR7W	From Labrador to Greenland 53°N 56°W to 61°N 48°W; 1/year (spring)	2009 R. Hendy Canada	2010 G. Harrison (Chief Sci / bio); I. Yashayaev (phys); K. Azetsu-Scott (chem.) Canada
A02 (SFB-460)	~ 48° N, Ireland to St John's Bay, Canada.	2001 W. Zenk Germany	Unknown
A03	36° N, Bermuda to Lisbon	2005 E. McDonagh U.K.	Unknown <i>Possible complement / replacement for A05.</i>
A05	24° N (note: this line is part of the UK RAPID program with repeats every ~ 5 years).	2004 S. Cunningham UK	2010 S. Cunningham UK 2010 P. Velez Spain 2012/13 ? M. Baringer USA

A10	30°S	2009 B. King UK	2010 M. Baringer USA
A16 N	20 – 25° W Iceland to 5° S	2003 J. Bullister USA	2012 R. Wanninkhof USA
A16S	25 - 35° W, 5° S to 60° S	2005 R. Wanninkhof USA	2013 R. Wanninkhof USA
A20	52°W	2003 J. Toole USA	2012 J. Swift USA
A22	66°W	2003 T. Joyce USA	2012 J. Swift USA
A21 / SR1b (eastern passage)	Drake Passage (<i>note: SR1b repeated annually with CTD, SADCP, LADCP</i>)	Feb 2009 (A21 + SR1b with full chemistry and tracers) E. McDonagh UK	Nov 2009 (SR1b, no chemistry) E. McDonagh UK
A13.5	0°; Cape Town to Ghana	2003 M. Hoppema Germany	2010 J. Bullister USA
SR04	Section from tip of Antarctic Peninsula to Kapp Norvegia (approx 12° W) along the northern edge of the Weddell gyre (nominally 60° S); often done as a pair with A12.	2008 E. Fahrback / H. De Baar Germany / Netherlands	2011 E. Fahrback / M. Hoppema Germany / Netherlands
A12	Capetown to the Antarctic continent along the prime meridian; often done in a pair with SR04.	2008 E. Fahrback / H. De Baar Germany / Netherlands	2011 E. Fahrback / M. Hoppema Germany / Netherlands
OVIDE (A25)	Iberian Peninsula – Greenland	2008 A. Rios Spain	2010 H. Mercier France
FICARAM	Ushuaia – Cartagena (Spain), following part of the line WOCEA A17 and from 10°S to 36°N along 28°W	2006 A. Rios Spain	2013 A. Rios Spain

PACIFIC			
Section	Description (ship track)	Last Occupation Chief Scientist Country	Next Occupation Chief Scientist Country

P01	47° N	2007 T. Kawano Japan	Unknown
P14 N	Aleutians intersection with P01 and northward.	2007 T. Kawano and A. Murata Japan	Plan is for approximately decadal occupation of P14 by Japan.
P02	30° N	2004 J. Swift USA	2013 J. Swift USA
P04	10° N	1989 H. Bryden/J. Toole USA	Unknown
P06	30° S	2009 A. MacDonald/R. Curry USA	Unknown
P21	17° S	2009 A. Murata Japan	Plan is for decadal occupations by Japan
P09	137° E	1994 I. Kaneko Japan	2010 T. Nakano Japan
P10	147° E	2005 T. Kawano Japan	Unknown
P13	165° E	1992 J. Bullister USA	2011 T. Nakano Japan
P15S	Equator – 50° S 175° W (strategy calls for section to go to 67° S when possible).	2009 B. Sloyan Australia	Unknown
P16N / S	112 - 102° W	2005 – 06 R. Feely USA	2014 R. Feely/J. Swift USA
P18	110° W	2008 J. Bullister and G. Johnson USA	Unknown
SR03	Tasmania to Antarctic Continent, 140 – 145° E	2007 S. Rintoul Australia	Unknown
S04P (modified)	Nominal 67° S; McMurdo to Punta Arenas; connects to S04I and SR04 (Atlantic) with sections from 67 to the continent along P14, P15, P16, and P18.	1992 Koshlyakov and Richman Russia	2011 J. Swift USA

INDIAN			
Section	Description (ship track)	Last Occupation Chief Scientist Country	Next Occupation Chief Scientist Country
I01W	8°N, Oman to Sri Lanka	1995 J. Morrison USA	Unknown
I01E	8°N, Sri Lanka to Singapore	1995 H. Bryden USA	Unknown
I03 / I04	20-25°S, Cape Town – Madagascar – Freemantle; I04 Mozambique strait.	2003 M. Fukasawa Japan	Unknown
I05	32°S, Durban to Freemantle	2009 J. Swift USA	Unknown
I06S	30° E Cape Town to Antarctic Continent	2008 K. Speer USA	Unknown
I07N	65° - 55° E, Oman to Mauritius	1995 J. Toole/D. Olson USA	Postponed indefinitely for security reasons
I09N	95° E, 28° - 4° S	2007 J. Sprintall USA	Unknown
I08S	95 - 82°E from 27° S to Antarctic Continent	2007 J. Swift USA	Unknown
I09S	115° E	2005 S. Rintoul Australia	2012 S. Rintoul Australia
I10	I02 + I10 from 8° S + 111° E	1995 J. Sprintall USA	2011-12 A. Murata Japan
S04I	Section connecting I09S and S04P at ~ 60° S; S04/S04I + S14S, 62° S (33.5° E-168° E) + 174° E	1996 J. Swift USA	2012 – 13 T. Kawano Japan

ARCTIC			
Section	Description (ship track)	Last Occupation Chief Scientist Country	Next Occupation Chief Scientist Country

75N	Iceland – Greenland.	2009 T. Johannessen and A. Olsen Norway	2011
Barrow to Svalbard	Barrow Alaska to Svalbard Norway	2005 L. Anderson Sweden	2012 L. Anderson Sweden
Davis Straits	Baffin Island to Greenland	2009 C. Lee and B. Petrie USA and Canada	2010 C. Lee and K. Azetsu-Scott USA and Canada
Barrows and Nares Straits	Barrow Strait (74.09° N 90.44° W to 74.83° N 93.00° W); Nares Strait (occupied irregularly)	2009 J. Hamilton Canada	2010 J. Hamilton Canada
RUSALCA	Bering and Chukchi Seas	2009 R. Woodgate USA	2010 R. Woodgate USA