

HYDROGRAPHY TABLES: SOUTHERN OCEAN

International Ocean Carbon Coordination Project (www.ioccp.org)

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Name of the line	Area	Description (ship track)	Year planned	PI	Country
Southern Ocean					
S04P	Pacific	60°S	2009	R. Feely	USA
Antarctic Zero Meridian	Southern Ocean; Atlantic sector	Repeat section along zero meridian from Polar Front (ca. 50 S) to Antarctica; once every 2-3 years, focus on DIC in complete water column, surface pCO ₂ in some but not all past cruises	since 1984 AJAX cruise onwards; next Feb-Apr 2008	M. Hoppema collaborative effort with Royal NIOZ	Netherlands
FS Polarstern	Southern Ocean; Atlantic sector	Capetown – Antarctica (prime meridian), Weddell Sea, Kapp Norvegia, Joinville Island	2008, 2010	M. Hoppema	Germany
56°S,63°W - 62°S,58°W	Southern	Drake Passage (Punta Arenas, Chile <-> King George Island, West Antarctica)	2007, 2008 (yearly continuous)	Y.C. Kang	Korea
I09S	Southern Ocean	Fremantle – Antarctica	2012 (not yet funded)	B. Tilbrook	Australia
I09 S / Fremantle-Prydz Bay	Southern Ocean; Indian sector	Leaving from Fremantle of Australia, pass southern Indian Ocean, transactions investigation between 60°S and 69°S.	Yearly except for modification year.	Z. Dong	China