

ACE CRC Publications 2003-2004

Journal Papers

Goodwin ID, van Ommen TD, Curran MJ and Mayewski PA (2004) Mid latitude winter climate variability in the South Indian and southwest Pacific regions since 1300AD. *Climate Dynamics* 22: 783-794

Goose H, Masson-Delmotte V, Renssen H, Delmotte M, Fichefet T, Morgan V, van Ommen T, Him BK and Stenni B (2004) A late medieval warm period in the Southern Ocean as a delayed response to external forcing? *Geophysical Research Letters* 31 (L06203)

Hemer MA, Harris PT, Coleman R and Hunter J (2004) Sediment mobility due to currents and waves in the Torres Strait-Gulf of Papua region *Continental Shelf Research* 24:2297-2316

Lourey MJ, Trull TW and Tilbrook B (2004) Sensitivity of delta13C of Southern Ocean suspended and sinking organic matter to temperature, nutrient utilization and atmospheric C2. *Deep Sea Research I* 51: 282-305

King A and Howard WR (2004) Planktonic foraminiferal delta13C records from Southern Ocean sediment traps: New estimates of the oceanic Suess effect. *Global Geochemical Cycles* 18 (in press).

Marsland SJ, Bindoff NL, Williams GD and Budd WF (2004) Modeling water mass formation in the Mertz Glacier Polynya and Adélie Depression, East Antarctica *J. Geophys. Res.*, Vol. 109, No. C11, C11003 , 10.1029/2004JC002441.

Mayewski PA, Maasch KA, Yan Y, Kang S, Meyerson EA, Sneed SB, Kaspari SD, Dixon D, Osterberg EC, Morgan VI, van Ommen T and Curran MJ (2005) Solar forcing of the polar atmosphere. *Annals of Glaciology* 41 (in press)

White NJ, Church JA and Gregory JM (2005) Coastal and global averaged sea-level rise for 1950 to 2000. *Geophysical Research Letters*, 32(1), L01601, doi:10.1029/2004GL021391.

Yoshikawa Y, Church J, Uchida H and White NJ (2004) Near bottom currents and their relation to the transport in the Kuroshio Extension. *Geophysical Research Letters* 31(16) (in press)

Conference Papers

Griffiths FB and Matear RJ (2004) Primary Production in the Southern Ocean: Comparison between estimates from the Behrenfeld-Falkowski VGPM model and measurements. Paper presented to Ocean Optics XVII in Freemantle, WA on 29 October 2004.

Yoshikawa Y, Church JA, Uchida H and White NJ (2004) Abyssal Current Structure and Volume Transport in the Kuroshio Extension, *Geophysical Research Letters*, 31(16), L16309, doi:10.1029/2004/GL020068.

Abstracts

Ferretti D, Miller J, White J, Etheridge D, Lassey K, Lowe D, Allan B, MacFarling C, Dreier M, Trudinger C and van Ommen T (2004) Unexpected changes to the global methane budget over the past 2,000 years. European Geosciences Union 1st General Assembly. Nice, April 2004.

Etheridge D, Trudinger C, Steel P, Langenfelds R, Fraser P, Sturrock G, Ferretti D, Lassey K, Ferretti D, Smith AM, Battle M and van Ommen T (2004) Natural and anthropogenic emissions of methane, halomethane and carbon monoxide over the past century found from Firn Air. 8th International Global Atmospheric Chemistry Conference. Christchurch, New Zealand, September 2004.

MacFarling C, Etheridge D, van Ommen T, Steele P, Trudinger C and Langenfelds R (2004) Law Dome atmospheric trace gas records extended to 2000 years. 8th International Global Atmospheric Chemistry Conference. Christchurch, New Zealand, September 2004.

Mayewski PA, Maasch K, Meyerson E, Dixon D, Kaspari S, Kang S, Yan Y, van Ommen T and Morgan V (2004) Solar forcing of the polar atmosphere. SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global Systems" Bremen, Germany, 25-31 July 2004.

Schneider DP, Steig EJ and van Ommen T (2004) Interpretation of high-resolution isotopic records from the USITASE traverse and other recent Antarctic drilling projects. SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global Systems" Bremen, Germany, 25-31 July 2004.

Posters

Ferretti D, Miller J, White J, Etheridge D, Lassey K, Lowe D, Allan B, MacFarling C, Dreier M, Trudinger C and van Ommen T (2004) Measurements of the carbon isotopic ratio of atmospheric methane over recent millenia. 8th International Global Atmospheric Chemistry Conference. Christchurch, New Zealand, September 2004.

van Ommen T and Morgan V (2004) A glacial and high resolution Holocene climate record from Law Dome, Antarctica. SCAR Open Science Conference "Antarctica and the Southern Ocean in the Global Systems" Bremen, Germany, 25-31 July 2004.