

New Zealand

February 2010

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Summary of operational and planned GOOS participation

Observations

Comments

Surface Drifters	11 active and on the GTS February 2010
Moorings	<p>2 biophysical moorings at 41S and 46S along 178E with fluorometers, current meters, conductivity sensors and thermistor strings. Plans to maintain 2-4 years and incorporate new instrumentation (pCO₂, irradiance sensors) with the view of expanding the network southward in sub-polar waters in collaboration with Australia.</p> <p>National Center for Coasts and Oceans http://www.niwa.co.nz/ncco</p> <p>2 moorings reporting via the GTS February 2010</p>
XBT/XCTD/TSG	<p>CLIMA (PX36 line AKA WOCE P14S) in high density XBT mode since 1994 with Italy and Australia. 24 sections from 1994 to December 2008. 25th section planned early 2010. XBT drops vary but mainly are in the 70-90 range each section. Contact: Giorgio.budillon@uniparthenope.it</p>
ARGO	10 active February 2010. Plans to deploy 2 floats in 2010 as of March 1, 2010.
Sea Level	<p>4 MSL GLOSS and 4 FAST stations. Chatham is MSL, FAST and Real-time. Latest MSL data posted at PSMSL is 2007. January 2010 data posted at the Hawaii FAST center.</p> <p>22 sites included in National network, including Scott Base Antarctica http://www.niwa.co.nz/services/sealevels</p> <p>4 GPS positioned stations, 2 of which are GLOSS (Auckland and Chatham). http://www.sonel.org/stations/cgps/survey/survey.cgps.html</p>
Bio/Carbon	Chatham Rise, Sub-Antarctic and East Auckland carbon programs began by NIWA in 1998.

NIWA Southern Biological mooring, 2005 onward. Permanent mooring, including SAMI-CO2.

Munida times series transect 1998 onward, 6/yr. Surface transit and water column measurements at 45.8S, 170.5E

<http://www.ioccp.org/>

http://www.clivar.org/carbon_hydro/hydro_table.php

VOS

7 VOS and 1 VOSClime ship active February 2010.

<http://www.ncdc.noaa.gov/oa/climate/vosclim/vosclim.html>

36 ships are equipped with calibrated Met Service instruments.

Satellite Services

<http://www.niwascience.co.nz/services/sat/>