

New Zealand

July 2010

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Summary of operational and planned GOOS participation

Observations

Comments

Surface Drifters	11 active and on the GTS July 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 July 2010</p>
XBT/XCTD/TSG	CLIMA (PX36 line AKA WOCE P14S) in high density XBT mode since 1994 with Italy and Australia. 25 sections from 1994 to January 2010. XBT drops vary but mainly are in the 70-90 range each section. Contact: Giorgio.budillon@uniparthenope.it
ARGO	9 active July 2010. 2 deployments planned in 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. August 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>5 GPS positioned stations, 4 of which are GLOSS (Auckland, Chatham, Te Papa and Lyttelton) http://www.sonel.org/stations/cgps/survey/survey.cgps.html</p>
Bio/Carbon	<p>Chatham Rise, Sub-Antarctic and East Auckland carbon programs began by NIWA in 1998.</p> <p>NIWA Southern Biological mooring, 2005 onward. Permanent mooring, including SAMI-CO₂.</p>

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

68 ships operating 7/29/2010, 19 on GTS. Potential 122 ships.
1 active VOSclim ship.

<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/>