

New Zealand

January 2012

National Contact: Julie Hall j.hall@niwa.co.nz

Summary of Operational and Planned Oceanographic Observation Programs

Surface Drifters

4 reported active 18 January 2010 <http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

Moorings

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. National Center for Coasts and Oceans

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 2010. XBT drops vary but mainly are in the 70-90 range each section. Contact: Giorgio.budillon@uniparthenope.it

ARGO

11 active 25 January 2012. To see latest status of floats go to: <http://wo.jcommops.org/cgi-bin/WebObjects/Argo.woa/wa/default> and select Monitoring and Countries.

Sea Level

6 MSL GLOSS and 4 FAST stations. Chatham is MSL and Real-time. Latest MSL data posted at PSMSL is 2010. <http://www.psmsl.org/data/obtaining/>
December 2012 data posted at the Hawaii FAST center.
<http://ilikai.soest.hawaii.edu/uhsic/woce.html> See <http://www.ioc-sealevelmonitoring.org/index.php> for near real-time data information.

8 GPS positioned stations, 4 of which are GLOSS (Chatham Island, Whagaparaoa, Bluff and Wellington AP).

22 real-time sites included in National network, including Scott Base Antarctica
<http://www.niwa.co.nz/our-services/online-services/sea-levels/sea-level-map>
<http://www.sonel.org/spip.php?page=cgps>

Bio/Carbo

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

13VOS, 2 of which are also VOSCLim ships, active 22 January 2012.

<http://osmc.noaa.gov/Monitor/OSMC/OSMC.html>

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

.