United States
March 2014

Summary of Operational and Planned Oceanographic Observation Programs

Moorings
NOAA/NDBC: Coastal and off-shore moored buoys. To see present status go to http://www.ndbc.noaa.gov/wstat.shtml
http://www.ndbc.noaa.gov/rmd.shtml  NDBC Partners:
http://www.ndbc.noaa.gov/pstat_ocean.shtml  TAO, PIRATA (plus NTAS mooring)

Indian Ocean Monsoon Analysis and Prediction (RAMA) moorings
http://www.pmel.noaa.gov/tao/rama/images/rama_map_lg.gif


275 USA moorings overall reported operational March. See http://osmc.noaa.gov/Monitor/OSMC/OSMC.html for present situation.
Tsunami – Network of (59 maintained by the USA) Deep-ocean Assessment and Reporting of Tsunamis buoys in place March. http://www.ndbc.noaa.gov/dart.shtml

XBTs
XBT SOOP Lines supported by USA:
Atlantic – AX-01, 04, 07, 08, 10, 18, 22, 25 & 32
Pacific – PX- 05, 06, 08, 09, 10, 13, 22, 31, 37, 37S, 38, 44, 50, 81 and PX6 Loop
Indian –IX-15/31, 21 and 6.

AOML HDX Program http://www.aoml.noaa.gov/phod/hdenvbt/high_density_home.html
SIO HDX Program  http://www-hrx.ucsd.edu/index.html

**ARGO**
1999 active mid March. To see latest status of floats and USA 2014 plans go to http://wo.jcommops.org/cgi-bin/WebObjects/Argo.woa/wa/default
and select Monitoring, Countries and Plans. See also http://www.jamstec.go.jp/J-ARGO/index_e.html

**Sea Level**
Data sets posted at Hawaii through January. To see latest status go to http://ilikai.soest.hawaii.edu/uhslc/woce.html
39 USA FAST stations reporting well. See also http://www.psmsl.org/data/obtaining/ for GLOSS data status.

NOAA/NOS Water Level Observation Network. 250 stations of this network are relevant to GOOS. These stations are mainly located in coastal States of the lower 48, Alaska and coasts of Hawaii. http://tidesandcurrents.noaa.gov
See also GPS positioned stations at http://www.sonel.org/spip.php?page=cgps

**Waves**
All NDBC moored buoys report significant wave height.
http://www.ndbc.noaa.gov/ see moorings below. Gulf of Maine Ocean Observing

**Surface Drifters**
852 active mid March  http://osmc.noaa.gov/Monitor/OSMC/OSMC.html

**Sea Ice**
National Ice Center: a multi-agency operational center  www.natice.noaa.gov
http://nsidc.org/data/

**VOS**
VOS ships operating mid March
http://www.ncdc.noaa.gov/oa/climate/vosclim/vosclim.htmlout

**Coastal**
NOAA/NDBC C-MAN stations (51 sites overall, 3 out of operation March 1). Reports sea level pressure, wind, air temp, SST (13 sites) and tides (3 sites)
http://www.ndbc.noaa.gov/wstat.shtml  Several local networks exist, for example:
Caro-COOPS, Carolinas Coastal Ocean Observing and Prediction System, a network in the Gulf of Mexico, and the Texas Coastal Ocean Observing Network.

Coral Reef Watch Satellite Monitoring  
http://coralreefwatch.noaa.gov/satellite/index.html
NOAA Tides and Currents: Monitor, access, and distribute tide, current, water level, and other coastal oceanographic products and services. http://tidesandcurrents.noaa.gov/
Seagrassnet participant.  http://www.seagrassnet.org

ANTARES Participant – study of the long-term changes in the marine echosystems around Latin America.


Status of current and future satellites
http://www.wmo.int/pages/prog/sat/satellitestatus.php