Summary of Operational and Planned Oceanographic Observation Programs

Moorings
8 Fixed (coastal) stations (T and S profiles), 2-3/month Ingøy, Eggum, Skrova, Bud, Sagnesjøen, Ytre Utsira, Indre Utsira, Lista and Torungen. IMR deployed 5 current meter moorings for measurement of transport of Atlantic water between Norway and Bear Island.

Faro-Shetland channel upward looking ADCP. Measure water-mass exchanges across UK-Greenland ridge, the Fram Strait and Bear Is-Tromsoflaket section.
Barents Sea, OWS M and Iceland-Faroe Ridge

ARGO
1 active March. 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
Operating 31 stations overall, 8 stations are GPS positioned. See Map Below
See also http://www.ioc-sealevelmonitoring.org/index.php near real-time data
http://www.psmsl.org/data/obtaining/

Surface Drifters
See http://osmc.noaa.gov/Monitor/OSMC/OSMC.html for present status. One active late March.

Time Series
Stavanger-Aberdeen surface layer T and S monitoring weekly.
Skagerrak and Rogaland-Finnmark Fjords: T, S and Oxygen observed each Nov/Dec.
Flodevigen Station T and S, daily at several depths.
Hydrographic, Hydrochemical and Biological parameters observed monthly at two locations off Arendal.
Ocean Weather Station Mike (M). Hourly WX, 6 hourly upper air, hydrographic observations weekly. Barents Seas sections: Norway-Bear Is, 19 stations 6/yr, Vardo-North Section 19 stations 4/yr.
Norwegian Sea sections:

- Svinoy section (with moorings, SeaSoar) 3-4/yr
- Gimsoy section 2/yr
- Bear Island West 2/yr
- Sorkapp section 1/yr

North Sea sections:

- Torungen-Hirsthals 11/yr
- Hansholmen-Aberdeen 4/yr
- Utsira-Startpoint 4/yr
- Feie-Shetland 4/yr

**Bio/Chem**

Nutrients, Chlorophyll and phytoplankton at station “M.” Bio and chem on “Standard transects” and “Regional Monitoring”

http://datras.ices.dk/Data_products/Submission_Status.aspx

Algaeinfo – weekly information on phytoplankton along the Norwegian coast.
http://algeinfo.imr.no/eng/

**VOS**

3 VOS ships reported active March 2014
http://osmc.noaa.gov/Monitor/OSMC/OSMC.html

**Coastal**

SST, Bergen to Kirkenes: M/S Vesteraalen, M/S Lofoten. Temp at 5 min intervals, frequent transects.

Fedje Island Project – HF Radars to monitor surface currents critical to petroleum terminal activity.

FerryBox: Oslo-Hirtshals (Denmark) SST, Salinity, Turbidity, Fluorescence
http://data.nodc.no/termograf/
The Norwegian Tide Gauge Network