

**Station Name:**

Ocean Weather Station M (OWS M)

**Type of Station (moored / ship-based) and Location  
(geographic region / latitude and longitude coordinates):**

Ship based station, position 66°N 2°E (Norwegian Sea)

**Carbon and biogeochemistry measurements at the station  
(indicate the frequency of observations, the year measurements began, and if they are surface / full water column, etc.):**

\*5 days/week salinity and temperature (full water column) since 1948 (University of Bergen, Norway).  
\*Weekly dissolved O<sub>2</sub> (full water column) since 1950ties (University of Bergen, Norway).  
\*Weekly atmospheric pCO<sub>2</sub> since 1981 (NOAA, USA).  
\*Weekly nutrients (full water column), chlorophyll (0-200 m), and plankton (10-30 m during spring & summer) since 1990ties (Inst. of Marine Research, Bergen, Norway).  
\*Monthly C<sub>T</sub> (full water column) and atmospheric and surface water pCO<sub>2</sub> during 1991-1994 (Norwegian University of Science and Technology, Norway).  
\*Monthly C<sub>T</sub> and A<sub>T</sub> (full water column) since 2001 (University of Bergen/Bjerknes Centre for Climate Research, Norway).  
\*Continuous pCO<sub>2</sub> in sea surface and atmosphere since 2005 (Bjerknes Centre for Climate Research, Norway).  
\*Monthly δ<sup>13</sup>C (full water column) since 2006 (Bjerknes Centre for Climate Research, Norway).  
\* Continuous direct flux (eddy correlation) (surface) since 2006 (National Oceanography Centre, Southampton, UK).

**Principle Investigators / Contact Points:**

C<sub>T</sub>, A<sub>T</sub>, pCO<sub>2</sub>, δ<sup>13</sup>C, oxygen: Ingunn Skjelvan (ingunn.skjelvan@gfi.uib.no)  
Nutrients, chlorophyll, plankton: Francisco Rey (pancho@imr.no)  
Atmospheric CO<sub>2</sub> (NOAA): Tom Conway (Thomas.J.Conway@noaa.gov)  
Hydrography: Svein Østerhus (svein.osterhus@gfi.uib.no)  
Direct flux: Margaret Yelland (m.yelland@noc.soton.ac.uk)

**Affiliation of this station with national, regional, or global research programs and process studies:**

HiWASE (High Wind Air-Sea Exchanges)

EuroSITES (Integration and enhancement of key existing European deep-ocean observatories)

**Web-site or links to other information:**

[http://web.gfi.uib.no/forskning/mike/middle\\_and\\_right.html](http://web.gfi.uib.no/forskning/mike/middle_and_right.html)  
<http://www.biogeosciences.net/5/549/2008/bg-5-549-2008.pdf>  
<http://www.noc.soton.ac.uk/ooc//CRUISES/HiWASE/index.php>