

Station Name:
Iceland Sea, IS

Type of Station (moored / ship-based) and Location (geographic region / latitude and longitude coordinates):
Ship-based Iceland Sea gyre, 1850 m depth 68°00'N, 12°40'W

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.):
TCO ₂ , pCO ₂ , O ₂ , phosphate, nitrate, silicate. Quarterly measurements, Feb/March, May, August, Nov. Start surface measurements 1984, full water column from 1994.

Principle Investigators / Contact Points:
Jón Ólafsson, Marine Research Institute and University of Iceland, Skulagata 4, IS 121 Reykjavik, Iceland. jon@hafro.is, jo@hi.is T: +354 575 2065 F: +354 575 2001

Affiliation of this station with national, regional, or global research programs and process studies:
National: In station network of quarterly hydrographic observations. Reported in: ICES Report on Ocean Climate, IROC. http://www.ices.dk/marineworld/oceanclimate.asp . In: EU FP7 Integrated Project CARBOOCEAN (Marine carbon sources and sinks assessment) In: EU FP7 Integrated Project EPOCA (European Project on Ocean Acidification)

Web-site or links to other information:

Site Overview:
The Irminger Sea (IRM) and Iceland Sea (IS) time series describe variations taking place in two different regions of the high latitude North Atlantic Ocean. IRM represents North Atlantic sub-polar gyre, IS is in Arctic conditions of the Iceland Sea gyre. Both are source regions for NADW and regions of high seasonality and high biological

productivity.