

Station Name:

Kuroshio Extension Observatory (KEO)

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

Surface mooring at 32.4N/144.6E in the Kuroshio Extension recirculation gyre

**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.):**

Sabine's air-sea pCO₂ carbon flux system
Air-sea heat and moisture flux, wind stress (from bulk algorithm)
Surface meteorology
Upper ocean temperature and salinity to 525 m; Near-surface currents.
Physical measurements have at least hourly resolution (most 10 minute) since June 2004.
Carbon Flux is 3 hourly since September 2007.

Principle Investigators / Contact Points:

Mooring/Physical Measurements: Meghan Cronin (NOAA PMEL)
Carbon: Chris Sabine (NOAA PMEL)

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

Global network of OceanSITES time series reference sites
Funded through NOAA Office of Climate Observations
During 2004-2006, KEO was also an element of the Kuroshio Extension System Study

Web-site or links to other information:

<http://www.pmel.noaa.gov/keo/>