

Station Name:

Station Papa

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

Surface mooring at 50N,145W in the NE Pacific, Gulf of Alaska

**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.):**

C. Sabine: air-sea pCO₂ carbon flux system – 3 hourly since June 2007.
S. Emerson: pH, CTD-O₂-GTD since June 2007
M. Cronin: Air-sea heat and moisture flux, wind stress (from bulk algorithm), Surface meteorology; Upper ocean temperature and salinity to 300 m; Near-surface currents. Physical measurements have at least hourly resolution (most 10 minute) since June 2007.
R. Letelier has fluorometers, in-water 7-wavelength radiometer starting June 2008. .
Cronin&Alford: Nearby tandem ADCPs provide current profile from 750m to 20m.
J. Nystuen: Passive Listening Device since June 2007.

Principle Investigators / Contact Points:

Mooring/Physical measurements: Meghan Cronin (NOAA PMEL)
Carbon Flux: Chris Sabine (NOAA PMEL)
pH, CTD-O₂-GTD, NSF grant PI: Steve Emerson (UW)

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

Funded through an NSF 'Carbon and Water in the Earth System' grant to Steve Emerson (UW) for June 2007-June 2009
NOAA Office of Climate Observations funding pending (PI: M. Cronin) for making Papa surface mooring a longterm contribution to the global network of OceanSITES time series reference sites.

Web-site or links to other information:

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