



Climate Program Office

Climate Observations and Monitoring Division – Federal Funding Opportunity FY16



“ *In Situ* Technologies to Contribute to the Tropical Pacific Observing System (TPOS 2020) Project.”

In this solicitation COM invites proposals to

- **advance the readiness of *in situ* observing platforms (e.g. floats, gliders, moorings)**
- **contribute to the Tropical Pacific Observing System (TPOS 2020) Project**
(<http://tpos2020.org/>).
- **Technology Readiness Level between 4 and 8**
(http://www.sab.noaa.gov/Reports/RRT_Report-080604.pdf; Appendix V.A).

LOI Deadline: 30 July 2015

Proposal Deadline: 23 September 2015

For more information please visit

<http://cpo.noaa.gov/GrantsandProjects/ClimateProgramOfficeFFO.aspx>



Climate Program Office

Climate Observations and Monitoring Division – Activities

Tropical Pacific Observing System (TPOS 2020)

BackBone Task Team

Biogeochemistry Task Team

Adrienne Sutton, NOAA/PMEL, USA (co-chair)

Pete Strutton, University of Tasmania, Australia (co-chair and SC member)

Haili Wang, Xiamen University, China

Richard Feely, NOAA/PMEL, USA

Fei Chai, University of Maine, USA

Francisco Chavez, Monterey Bay Aquarium Research Institute, USA

Masao Ishii, Japanese Meteorological Agency, Japan

Akihiko Murata, JAMSTEC, Japan

Kitack Lee, Pohang University, Korea

Eastern Pacific Task Team

Modeling and Data Assimilations Task Team

Planetary Boundary Layers Task Team

For more information please visit

<http://tpos2020.org>



Climate Program Office Climate Observations and Monitoring Division

US Go-SHIP Repeat Hydrography P16N 2015



Photo courtesy of Avery Edison

Leg 1 Crossing the Equator

Chief Scientist Jessica Cross

Co-Chief Scientist Samantha Siedlecki

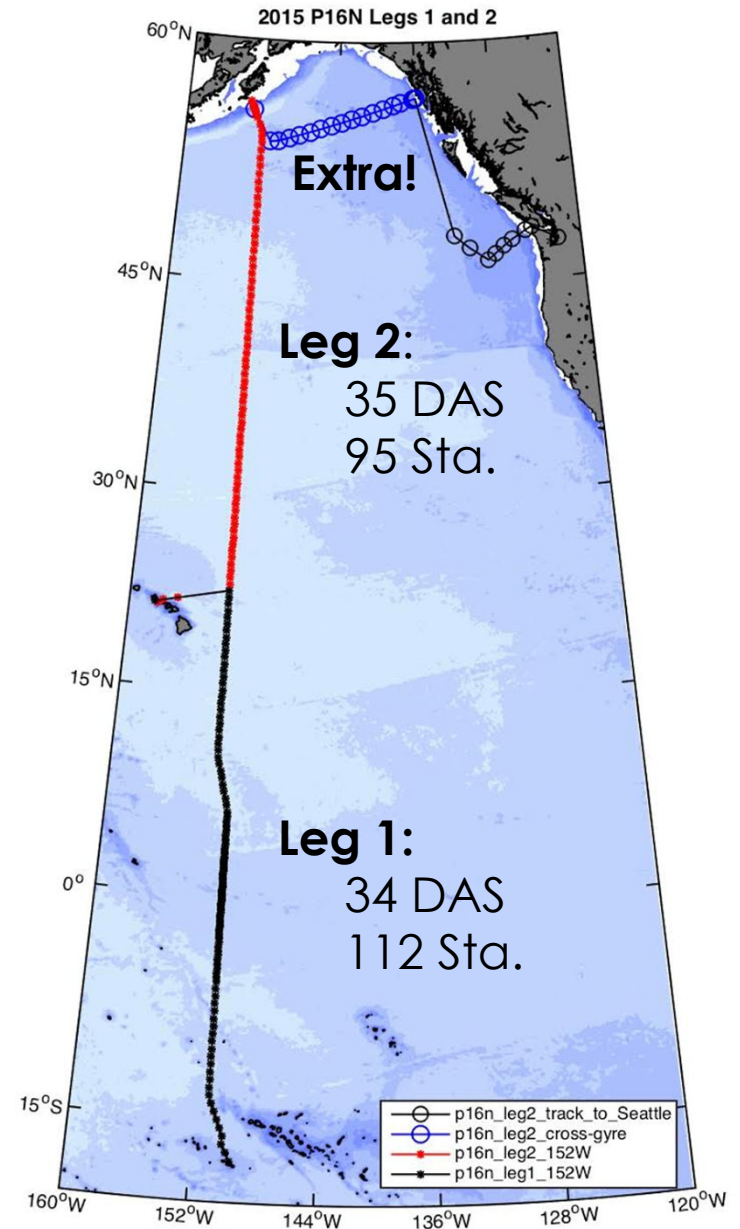


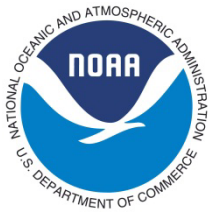
Photo courtesy of Sabine Mecking

Leg 2 In Flat Seas

Chief Scientist Alison Macdonald

Co-Chief Scientist Sabine Mecking





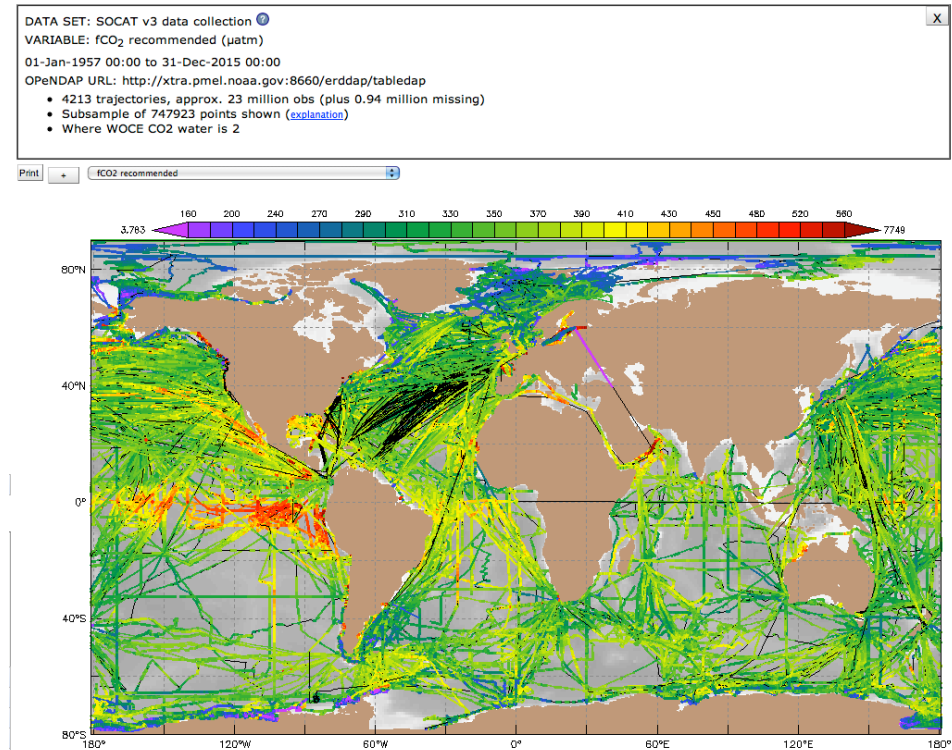
SOCAT Version 3

Facts and figures:

- Release date: 7 September 2015
- Data span: 1957-2014
- # CO₂ data points: 23 million
- # cruises: 4200

Improvements over V2.

- Inclusion of buoy data
- Improved/consistent meta data
- Improved data and submission tracking
- Improved graphical user interface and data retrieval



Cruise track with surface CO₂ level color coded
Black lines are tracks with low data coverage (lines over Asian continent are equatorial Africa a location plotting artifacts)



Climate Program Office

Climate Observations and Monitoring Division



Jeremy Mathis has joined NOAA's Climate Program Office as the Director for the Arctic Research Program within the Climate Observation and Monitoring Division.



Ocean Acidification Program

Activities

Two cruises currently underway:

ECO2 cruise is currently off the East coast collecting samples- led by Joe Salisbury from UNH.

Alaska cruise is also underway- led by Jessica Cross from PMEL.

New Award:

PI: Joe Salisbury, UNH

Title: Tracking Ocean Alkalinity Using New Carbon Measurement Technologies (TAACT)

Funded by OAP – IOOS FY2014 Marine Sensor and Other Advanced Observing Technologies Transition Project.

Project description: Transitioning an alkalinity sensor and will be working in conjunction with several shellfish hatcheries and other stakeholders on the east coast.



For more information please visit
www.oceanacidification.noaa.gov