



NOAA

Craig McLean

Deputy Assistant Administrator

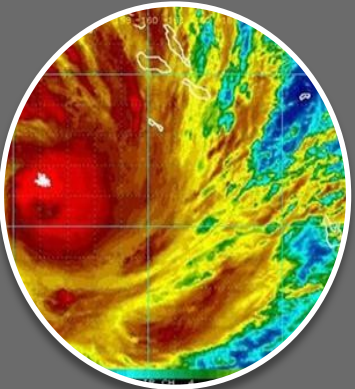
Office of Oceanic & Atmospheric Research



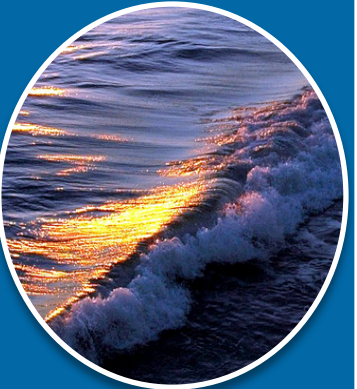
National Weather Service (NWS)



Oceanic and Atmospheric Research (OAR)



National Environmental, Satellite, Data, & Information Service (NESDIS)



National Ocean Service (NOS)



National Marine Fisheries Service (NMFS)

SCIENCE

SERVICE

STEWARDSHIP



NOAA's unique assets support our integrated mission

NOAA professionals

- 20,000 staff
 - 12,500 FTE
 - NOAA Corps – the Nation's 7th Uniformed Service
 - 7,500 contractors
 - 18 National Labs & Science Centers

High Performance Computing

- 5 supercomputers

Observing Systems

- ~125 weather radars
- 10 satellites
- 3 buoy networks
- 210 tide gages

Ships and Aircraft

- 17 ships
- 10 aircraft



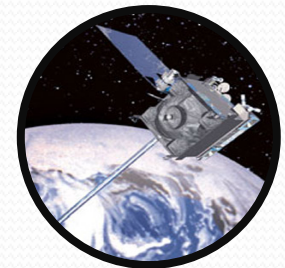
Okeanos Explorer



NOAA G4 and P3



TAO Buoy




GOES

NOAA Scientists Here This Week



 **NOAA FISHERIES SERVICE**
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

 **CLIMATE PROGRAM OFFICE**
Understanding climate variability and change to enhance society's ability to plan and respond



PMEL
Pacific Marine Environmental Laboratory



IOOS[®]
INTEGRATED OCEAN OBSERVING SYSTEM



OSMC

Observing System Monitoring Center










Platform Age Country

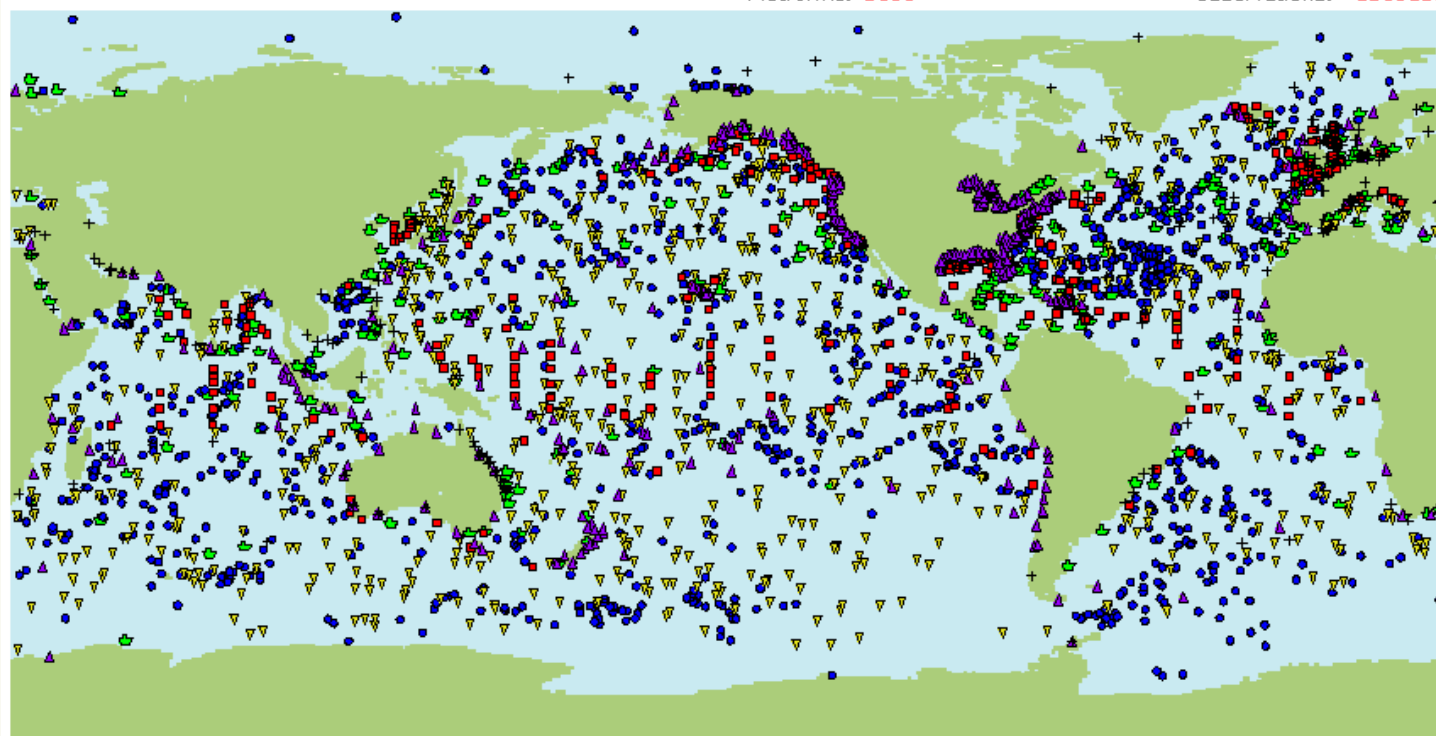
Date: 09-Apr-2014 00:00:00 to 11-Apr-2014 23:59:59

Platforms: 3404

Observations: 1949181

- Drifting Buoys 
- Ships 
- Moored Buoys 
- Shore and Bottom Station 
- Argo Floats and Gliders 
- Pinnipeds 
- Unknown 

Open Legend



Suppressing ship observations for most recent 48 hours





Force Multipliers



Scientific Cooperation

- ✔ Bilateral Science & Technology Agreements
- ✔ Arctic Marine Conservation
- ✔ Climate Observations & Monitoring

Tangible Partnerships

- ✔ Shared data & management for critical warning systems
- ✔ Ocean Acidification International Coordination Center
- ✔ Foreign Shared satellite systems
- ✔ Coral Triangle Initiative

International Agreements/Treaties

- ✔ Regional Fisheries Management Organizations
- ✔ Marine Conservation & Management
- ✔ Environmental Commitments In Trade Agreements
- ✔ Arctic Council
- ✔ World Meteorological Organization



US-EU Marine Working Group

Craig McLean, NOAA
U.S. Co-Chair

❖ February 2013

Under US-EU Science & Technology Agreement, Joint Consultative Group establishes Marine & Arctic Working Groups

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❖ May 2013

Galway Statement Signed: US-EU-CA

❖ February 2013

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Galway Statement Signed: US-EU-CA

❖ December 2013

Horizon 2020 Launched

❖ February 2013

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First US-EU Marine Working Group Meeting



Questions?