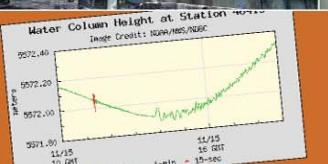


U.S. National Report 2011

Data Buoy Cooperation Panel
Joint WMO-IOC Technical Commission for
Oceanography and Marine Meteorology
26 September – 30 September 2011
Geneva, Switzerland

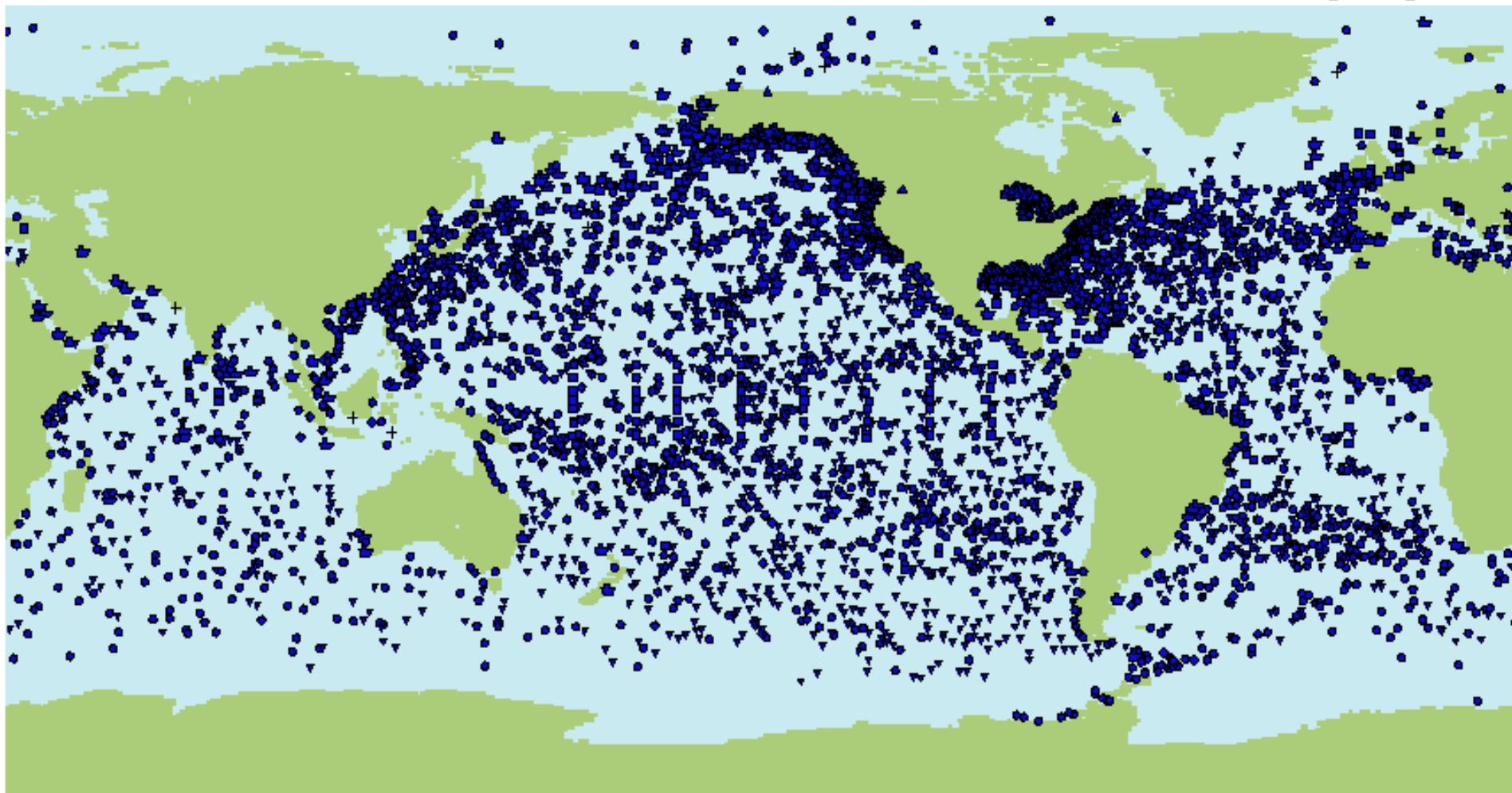
Bill Burnett
U.S. National Representative
bill.burnett@noaa.gov



U.S. Contribution Oct 2005 – Sept 2006

Date: 01-Oct-2005 00:00:00 to 30-Sep-2006 23:59:59

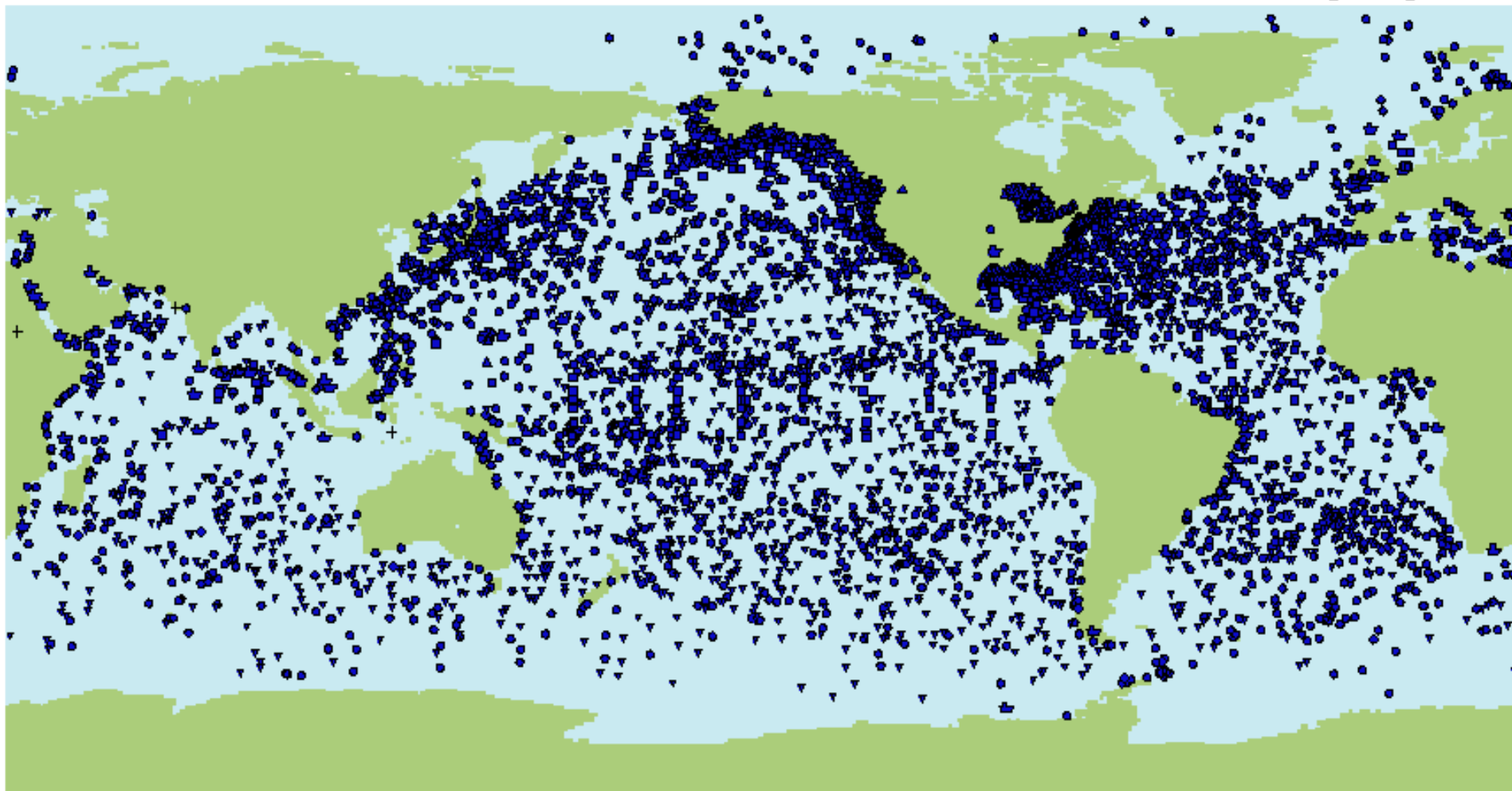
Platforms Reporting: **5266**



U.S. Contribution Oct 2006 – Sept 2007

Date: 01-Oct-2006 00:00:00 to 30-Sep-2007 23:59:59

Platforms Reporting: **5541**

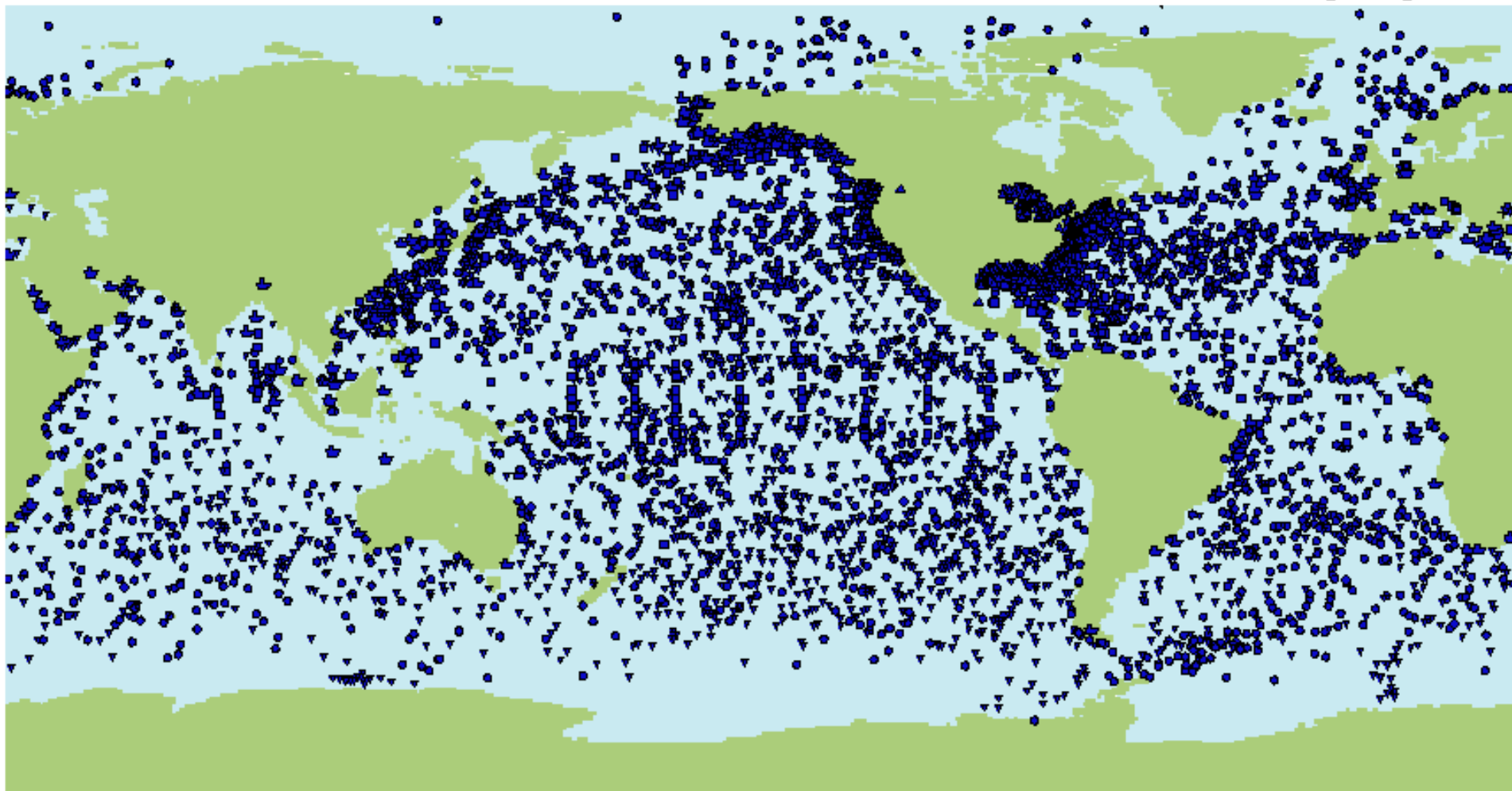


U.S. Contribution

Oct 2007 – Sept 2008

Date: 13-Oct-2007 00:00:00 to 30-Sep-2008 23:59:59

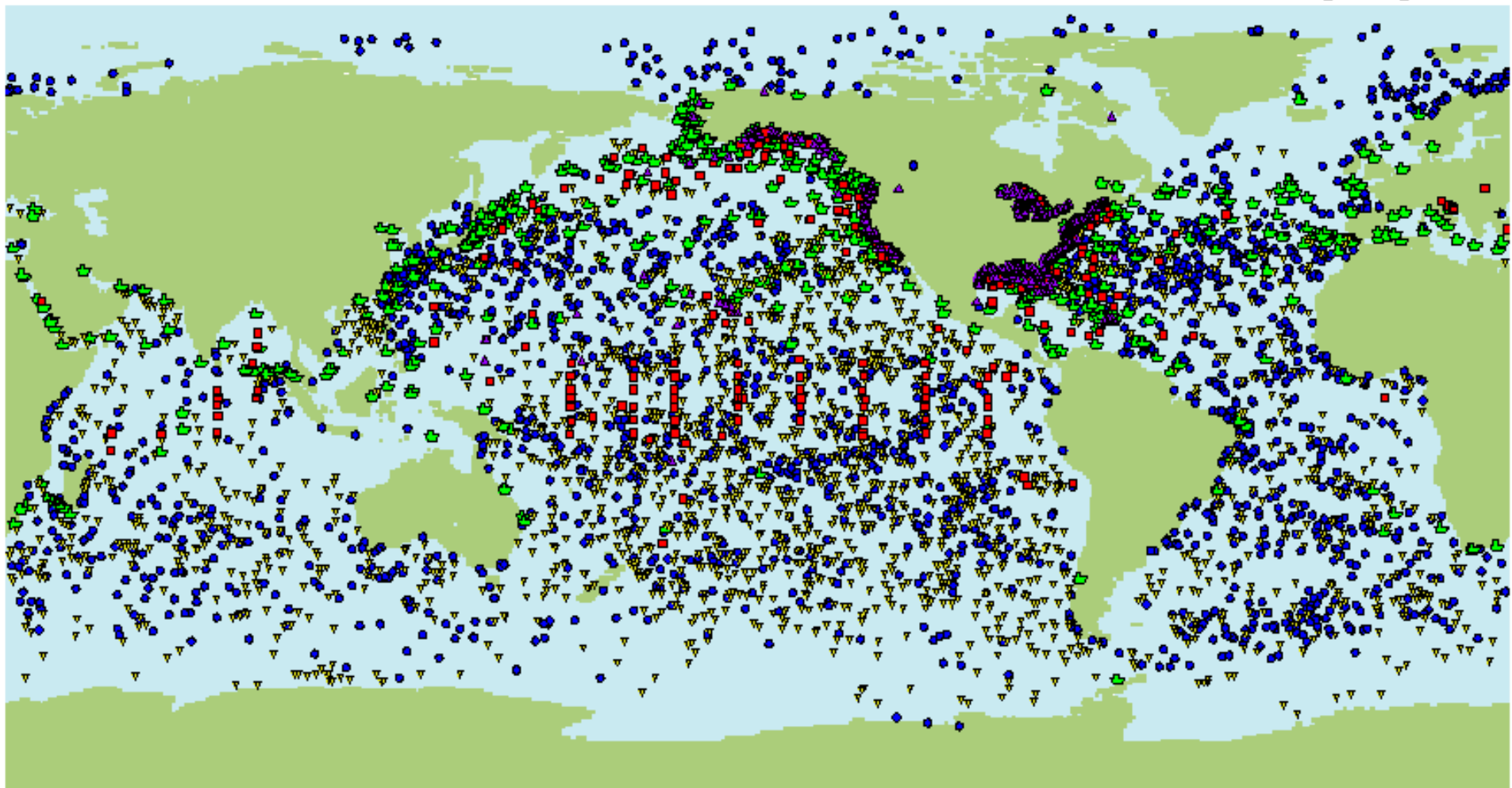
Platforms Reporting: **5358**



U.S. Contribution Oct 2008 – Sept 2009

Date: 01-Oct-2008 00:00:00 to 29-Sep-2009 23:59:59

Platforms Reporting: **5660**



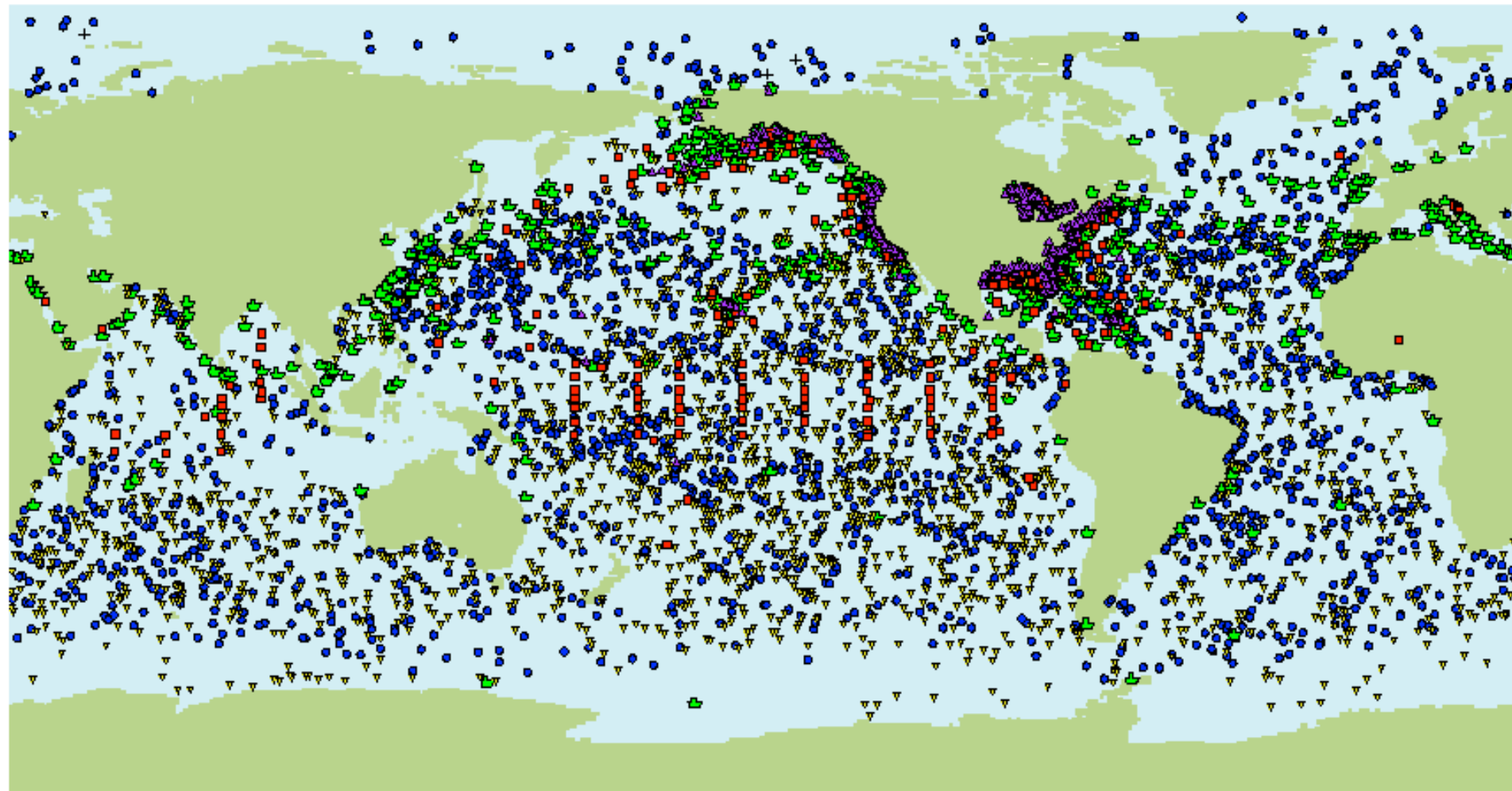
Suppressing ship observations for most recent 48 hours

U.S. Contribution Oct 2009 – Sept 2010

Date: 01-Oct-2009 00:00:00 to 27-Sep-2010 23:59:59

Platforms: 5583

Observations: 71896448



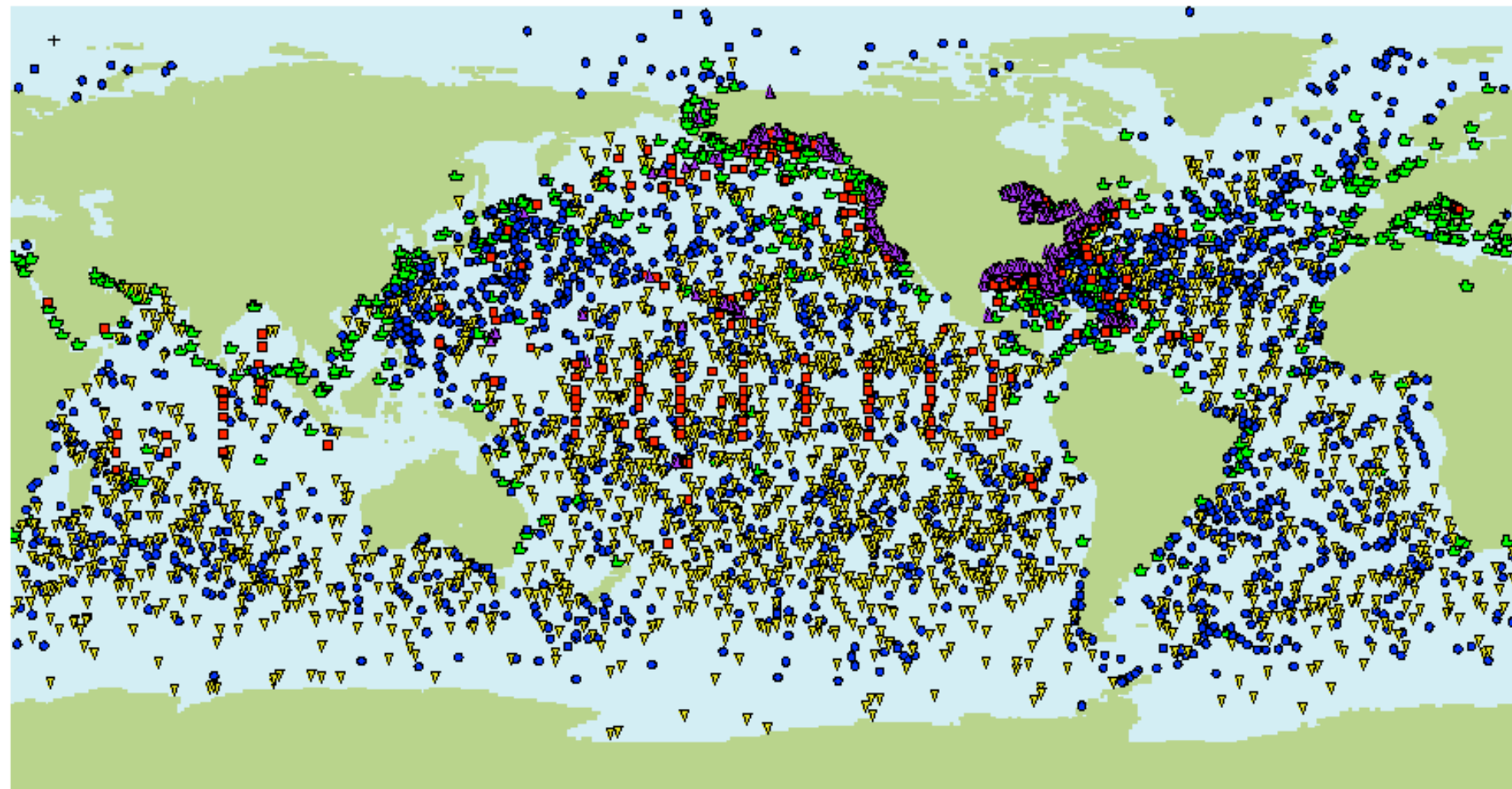
Suppressing ship observations for most recent 48 hours

U.S. Contribution Oct 2010 – Sept 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: 5471

Observations: 91808632

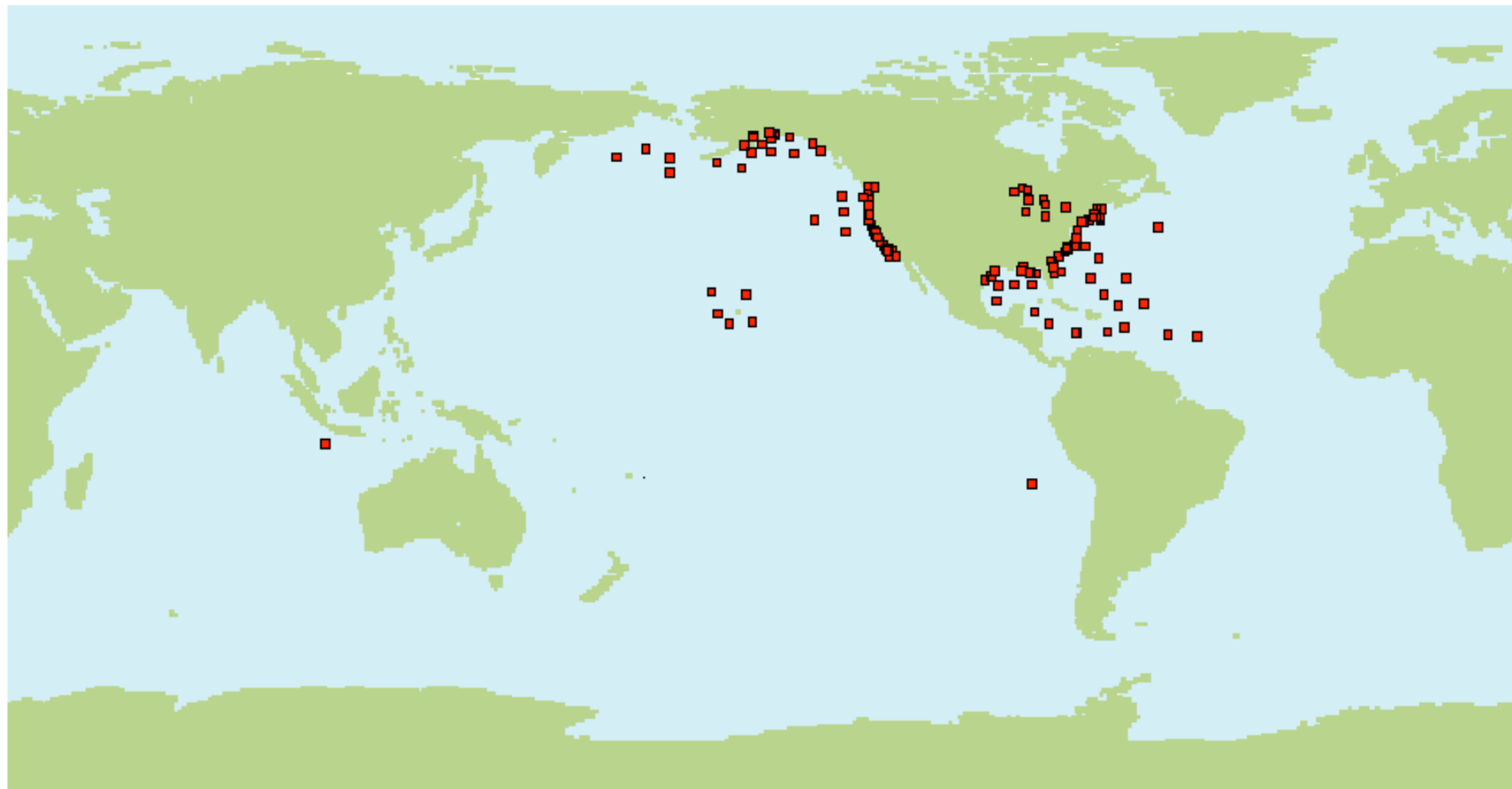


U.S. Observations Wx/Ocean Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

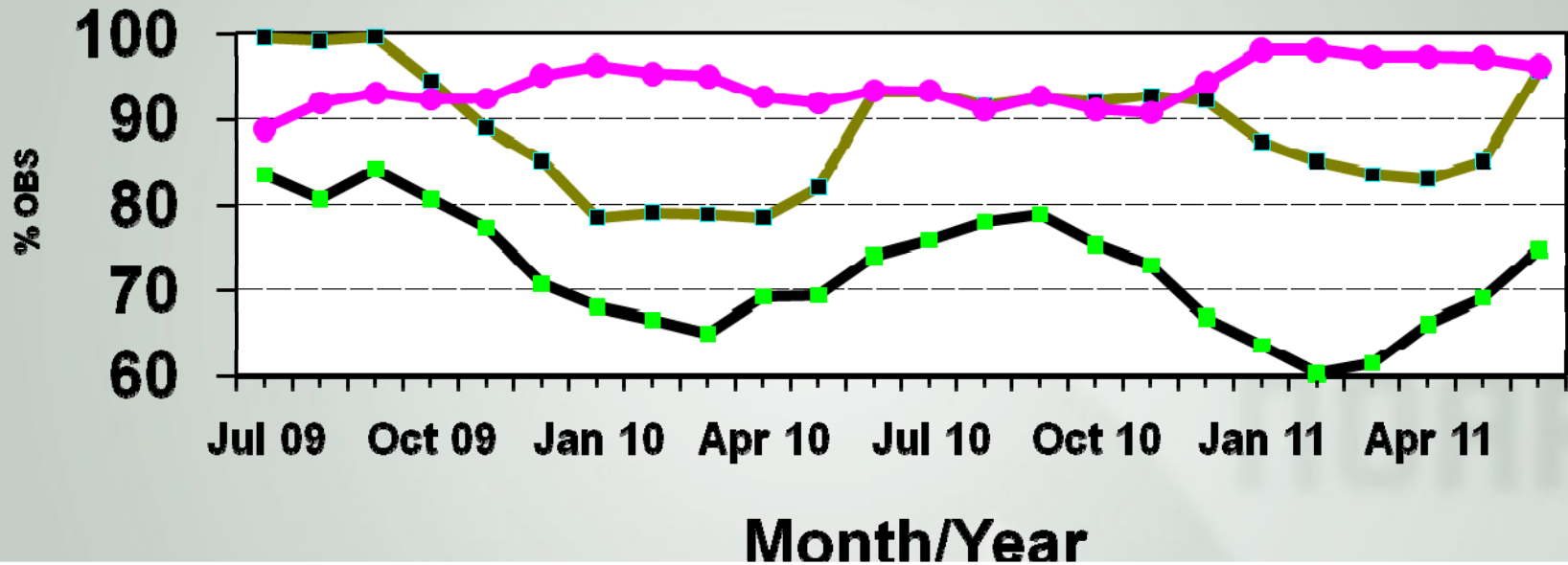
Platforms: **111**

Observations: **21211280**



Wx/Ocean Data Availability

WxOb Monthly Average Data Availability



Wx Buoy Actual

June 2011 - 74.7%

Hurricane Buoy Actual

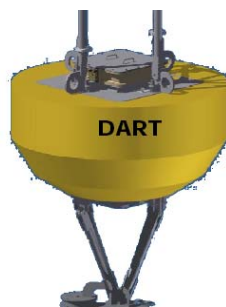
June 2011 - 95.7%

C-MAN Actual

June 2011 - 96.2%

NOAA Wx/Ocean Buoys

Standard Buoy / Mooring developed by NOAA/NDBC



| | | |
|---|---|-----|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Moored Buoys (Met/Ocean) | |
| Number and type of buoys | (a) deployed during the year | 46 |
| | (b) operational as of 1 August | 115 |
| | (c) reporting on GTS as of 1 August | 90 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | |
| | (c) developmental | |
| Main deployment areas | Atlantic and Pacific Oceans and coastal zone of the U.S., including the Bering Sea, Gulf of Mexico and Great Lakes | |

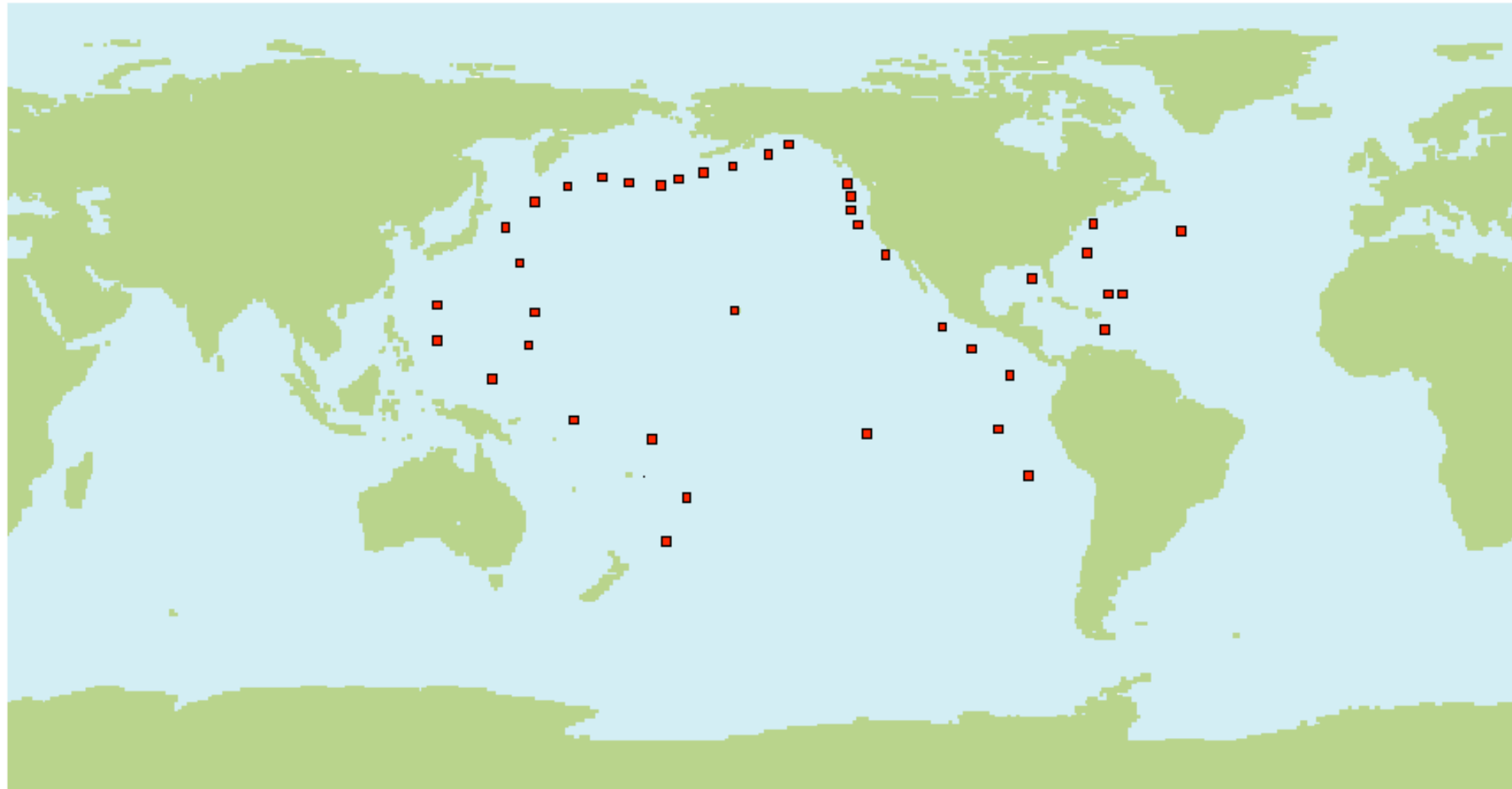
| | | |
|---|---|-----|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Moored Buoys (Met/Ocean) | |
| Number and type of buoys | planned for deployment in the next 12 months | 40 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | |
| | (c) developmental | |
| Main deployment areas | Atlantic and Pacific Oceans and coastal zone of U.S., including Bering Sea, Gulf of Mexico and the Great Lakes | |

U.S. Observations Tsunamiometer Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

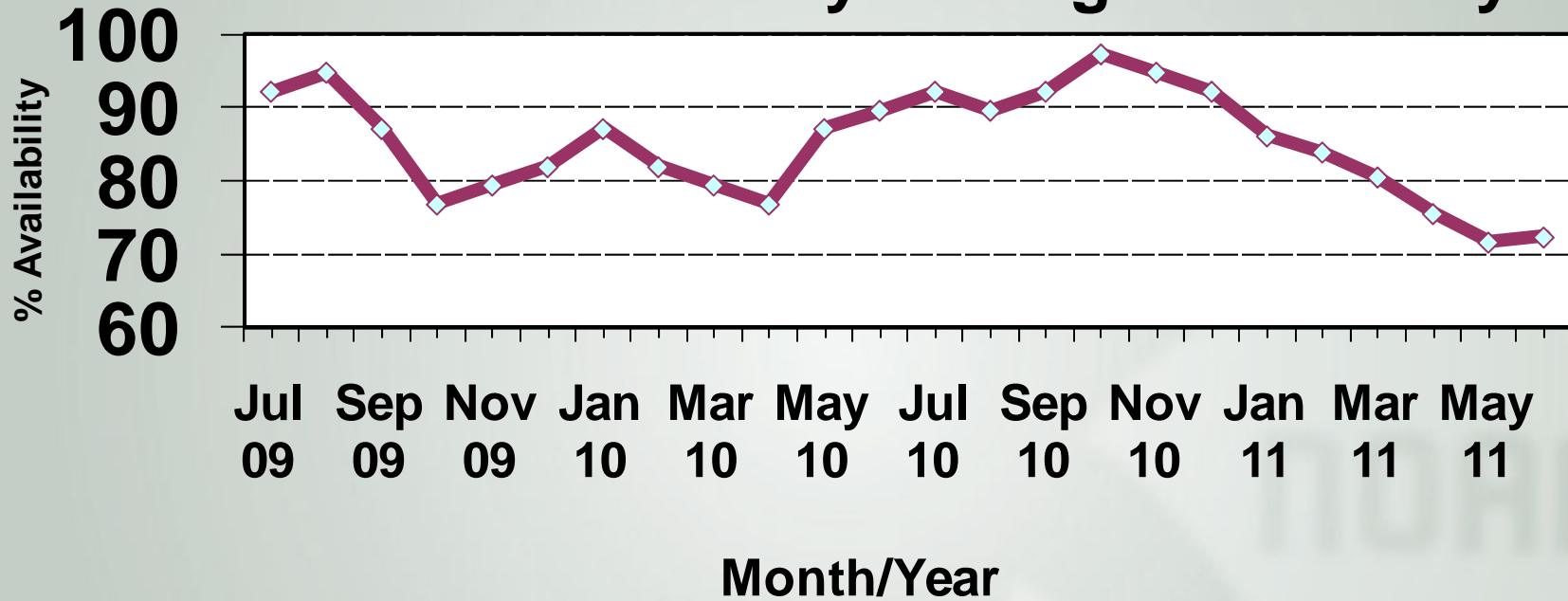
Platforms: **40**

Observations: **1141955**



DART Station Availability

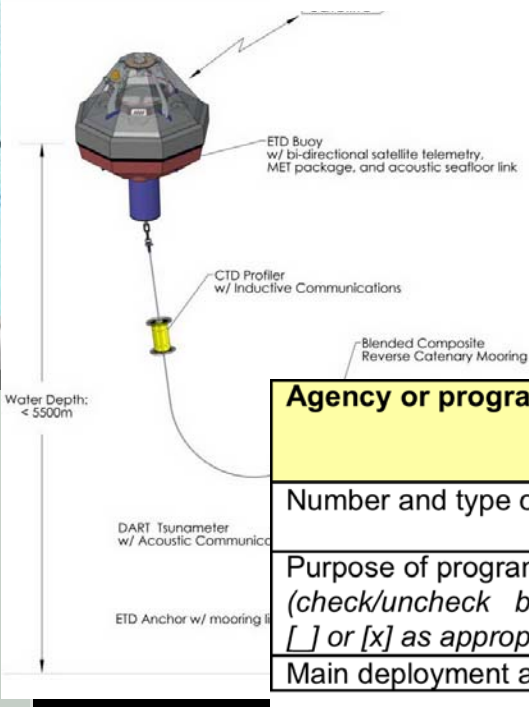
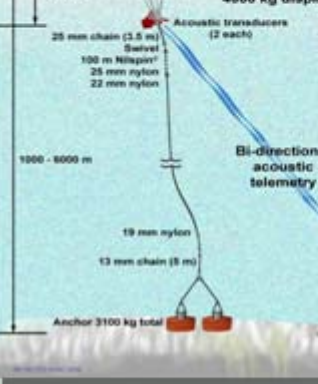
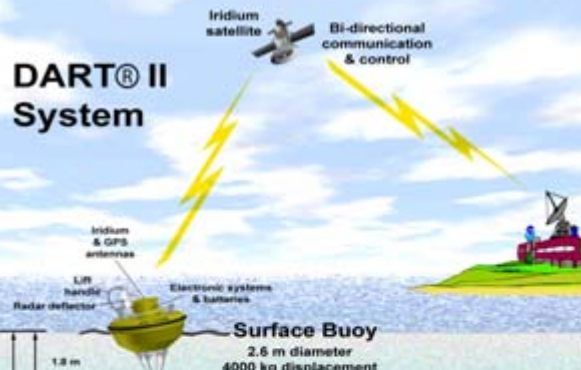
DART Monthly Average Availability



NOAA/NWS Tsunameters

DART® II Technology developed by NOAA/PMEL

DART® II System



| | | |
|--|--|-----|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Tsunameter Stations | |
| Number and type of buoys | (a) deployed during the year | 20 |
| | (b) operational as of 1 August | 39 |
| | (c) reporting on GTS as of 1 August | 34 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | |
| | (c) developmental | |
| Main deployment areas | Atlantic and Pacific Oceans and Gulf of Mexico | |

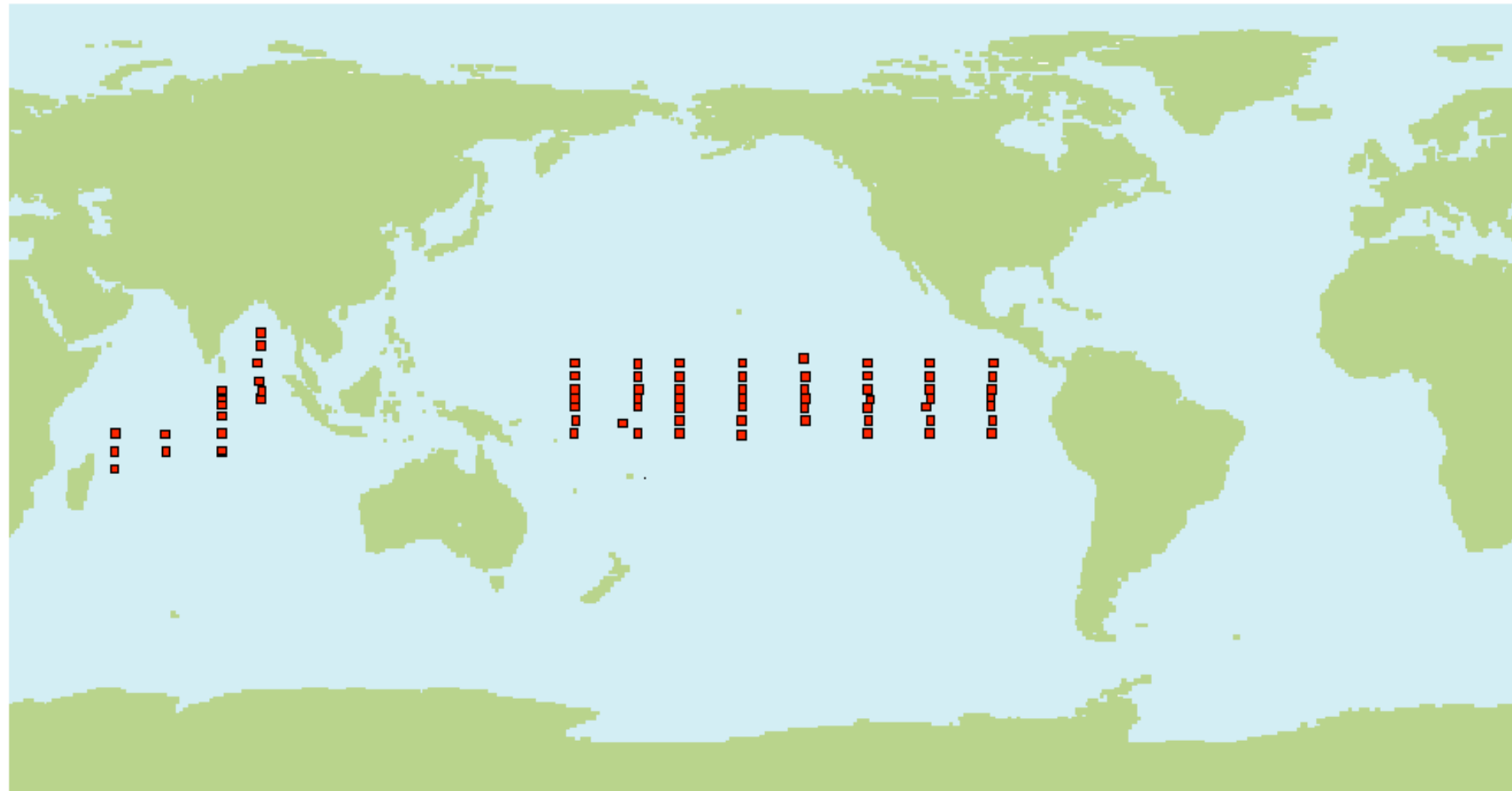
| | | |
|--|--|--|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Tsunameter Stations | |
| Number and type of buoys | planned for deployment in the next 12 months | 25 |
| | (a) operational | [x] |
| | (b) met / ocean research | |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (c) developmental | |
| | Main deployment areas | Atlantic and Pacific Oceans and Gulf of Mexico |

U.S. Observations Tropical Array Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: 72

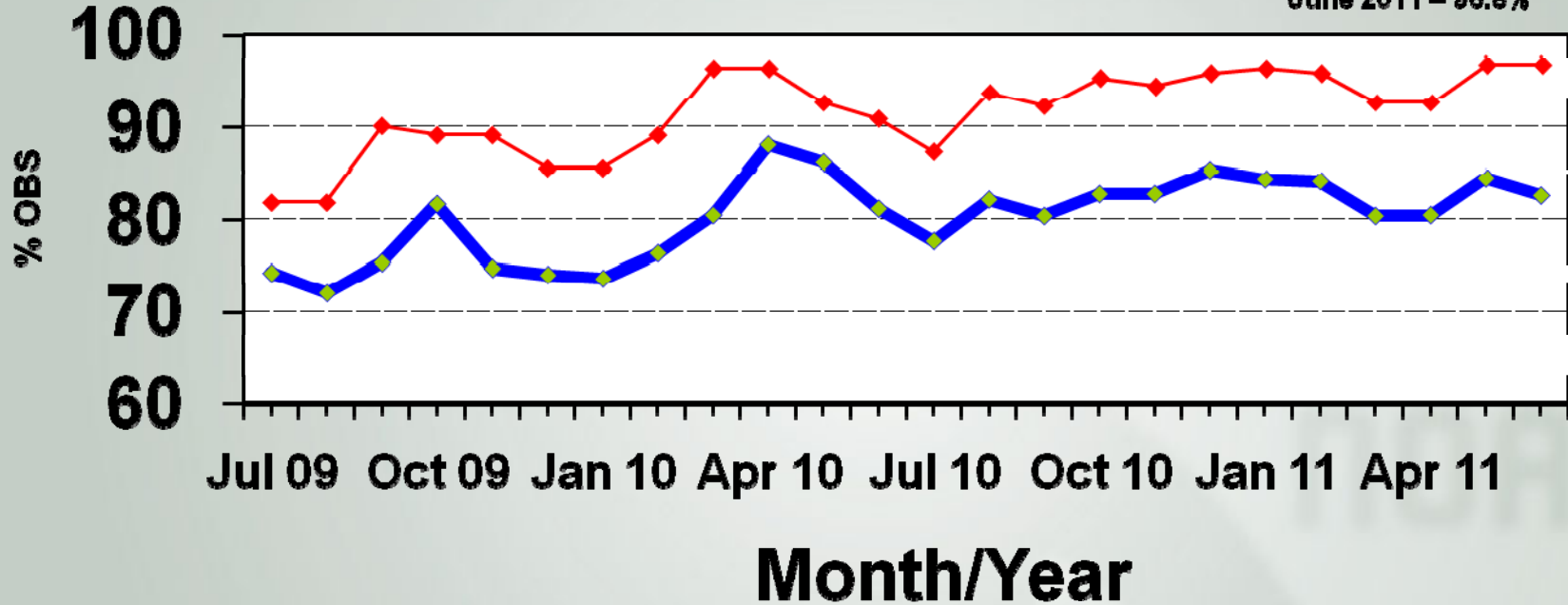
Observations: 3258677



TAO Data and Station Availability

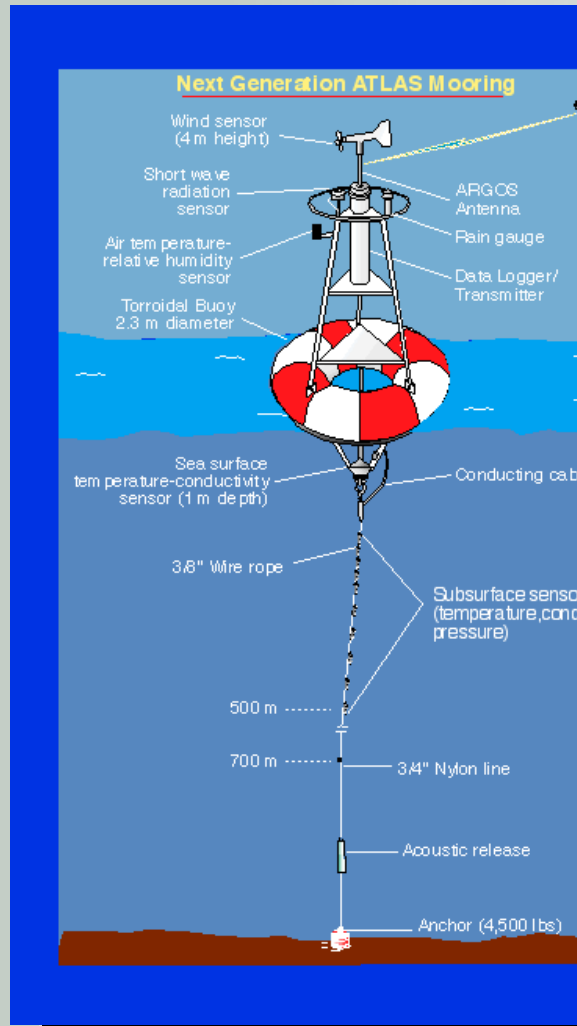
TAO Monthly Average Availability

June 2011 – 96.8%



NOAA Tropical Moored Buoys

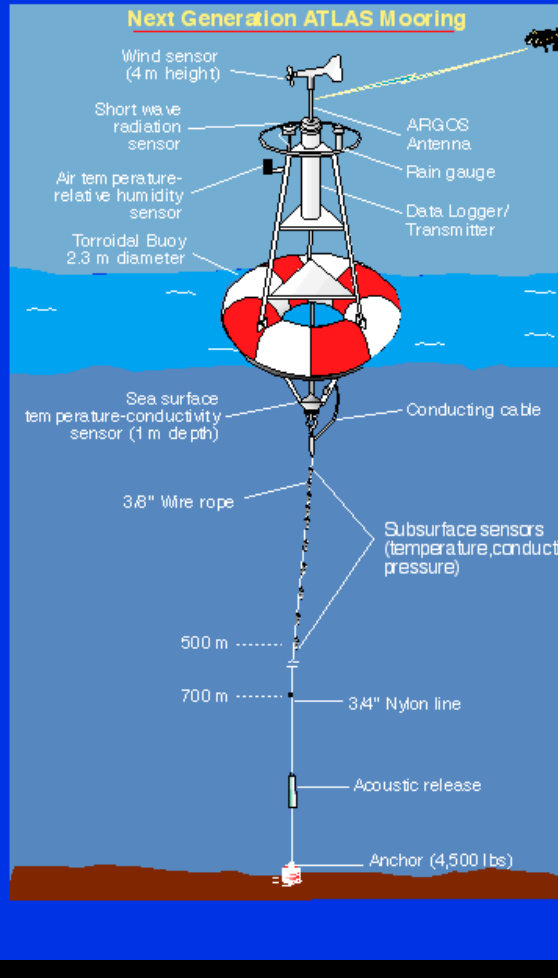
ATLAS Mooring developed by NOAA/PMEL



| | | |
|--|--|-------------------------------------|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Tropical Atmosphere Ocean (TAO) Project | |
| Number and type of buoys | (a) deployed during the year | 55 surface toroids, 4 subsurface |
| | (b) operational as of 1 August | 55 surface toroids, 4 subsurface |
| | (c) reporting on GTS as of 1 August | 53 surface toroids, 4 subsurface |
| Purpose of programme (check/uncheck boxes using <input type="checkbox"/> or <input checked="" type="checkbox"/> as appropriate) | (a) operational | <input checked="" type="checkbox"/> |
| | (b) met / ocean research | |
| | (c) developmental | |
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Pacific Marine Environmental Laboratory (PMEL)/ PIRATA | |
| Number and type of buoys | (a) deployed during the year | 17 surface toroids |
| | (b) operational as of 1 August | 17 surface toroids |
| | (c) reporting on GTS as of 1 August | 17 surface toroids |
| Purpose of programme (check/uncheck boxes using <input type="checkbox"/> or <input checked="" type="checkbox"/> as appropriate) | (a) operational | |
| | (b) met / ocean research | <input checked="" type="checkbox"/> |
| | (c) developmental | |
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Pacific Marine Environmental Laboratory (PMEL)/ RAMA | |
| Number and type of buoys | (a) deployed during the year | 20 surface toroids, 6 subsurface |
| | (b) operational as of 1 August | 15 surface, 10 subsurface |
| | (c) reporting on GTS as of 1 August | 15 |
| Purpose of programme (check/uncheck boxes using <input type="checkbox"/> or <input checked="" type="checkbox"/> as appropriate) | (a) operational | |
| | (b) met / ocean research | <input checked="" type="checkbox"/> |
| | (c) developmental | |
| Main deployment areas | Tropical Equatorial Indian Ocean | |

NOAA Tropical Moored Buoys

ATLAS Mooring developed by NOAA/PMEL



| | | |
|--|--|----------------------------------|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ National Weather Service (NWS)/ National Data Buoy Center (NDBC) Tropical Atmosphere Ocean (TAO) Project | |
| Number and type of buoys | planned for deployment in the next 12 months | 55 surface toroids, 4 subsurface |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | |
| | (c) developmental | |
| Main deployment areas | Tropical Equatorial Pacific | |

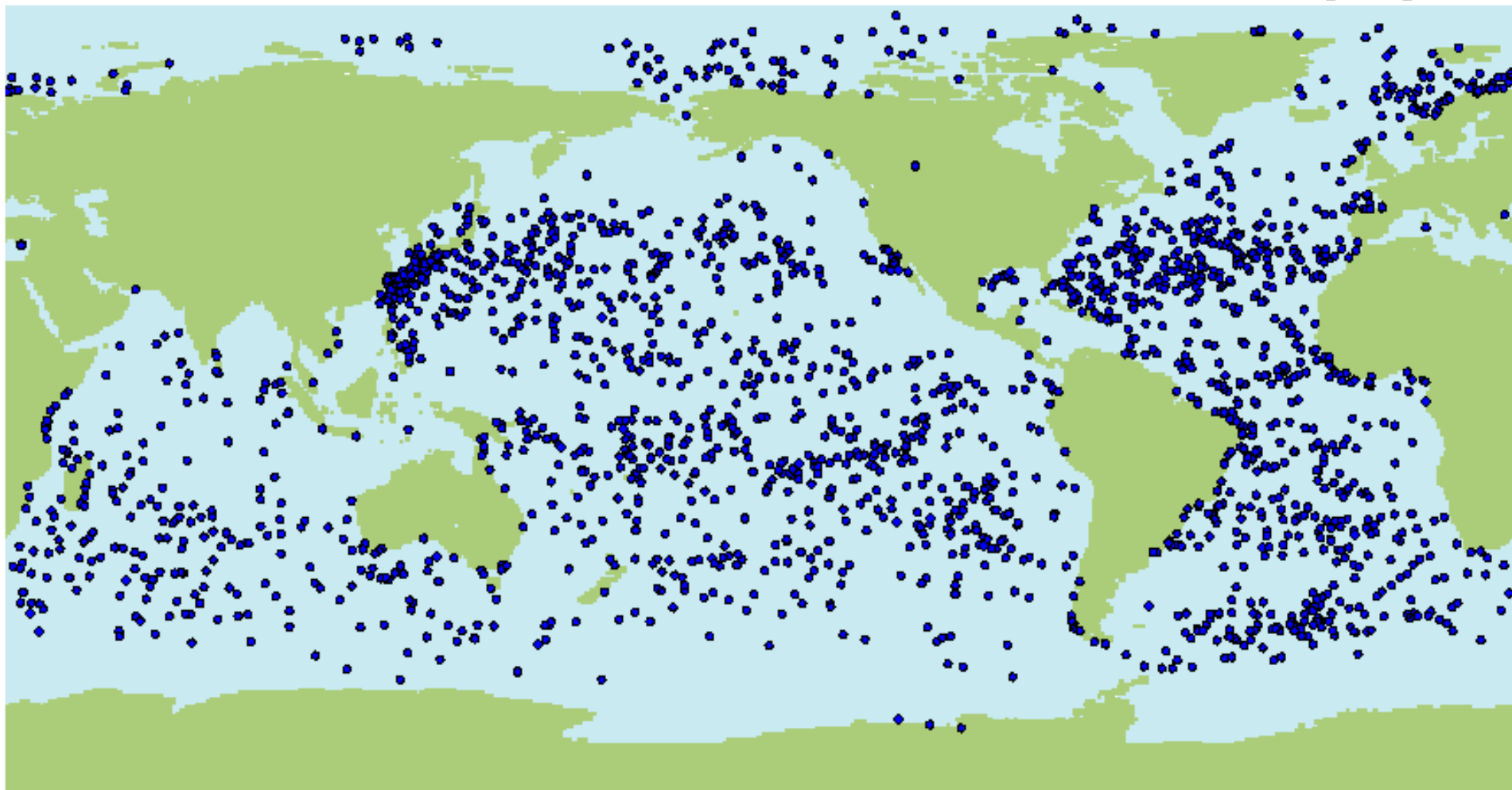
| | | |
|--|--|-----|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Pacific Marine Environmental Laboratory (PMEL)/ PIRATA | |
| Number and type of buoys | planned for deployment in the next 12 months | 17 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | |
| | (b) met / ocean research | [x] |
| | (c) developmental | |
| Main deployment areas | Tropical Equatorial Atlantic | |

| | | |
|--|--|-----------------------------------|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Pacific Marine Environmental Laboratory (PMEL)/ RAMA | |
| Number and type of buoys | planned for deployment in the next 12 months | 29 surface toroids, 10 subsurface |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | |
| | (b) met / ocean research | [x] |
| | (c) developmental | |
| Main deployment areas | Tropical Equatorial Indian Ocean | |

U.S. Observations Drifters Contribution for 2011

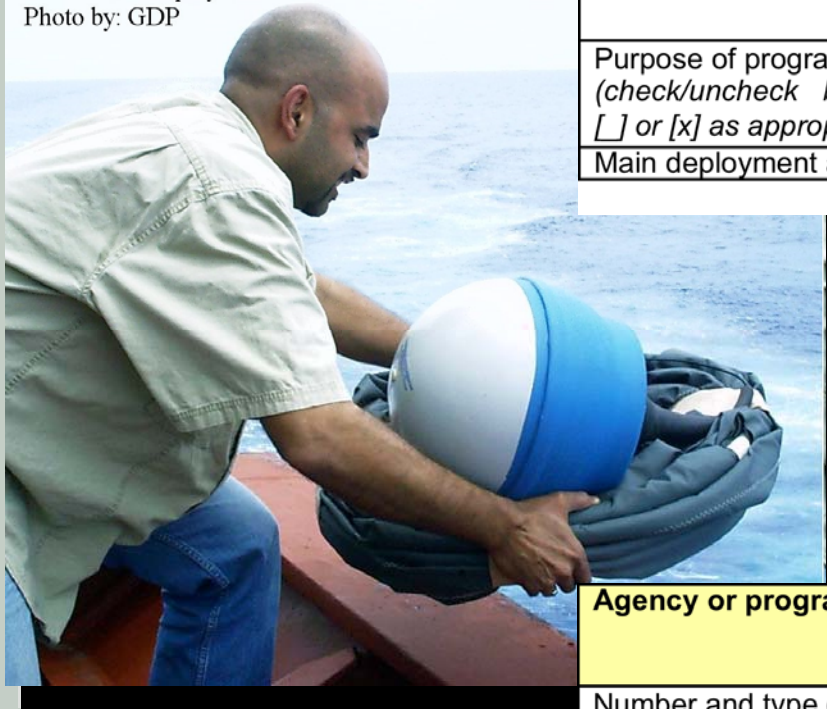
Date: 01-Oct-2008 00:00:00 to 29-Sep-2009 23:59:59

Platforms Reporting: **2106**



NOAA GDP Drifters

VOS Crew Deploy Next Generation SVP Drifter
Photo by: GDP



| | | |
|--|---|------|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Atlantic Oceanographic and Meteorological Laboratory (AOML) Global Ocean Observing System Center Global Drifter Program | |
| Number and type of buoys | (a) deployed during the year | 945 |
| | (b) operational as of 1 August | 1065 |
| | (c) reporting on GTS as of 1 August | 1065 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | 1065 |
| | (b) met / ocean research | 185 |
| | (c) developmental | 21 |
| Main deployment areas | Global, All Oceans | |

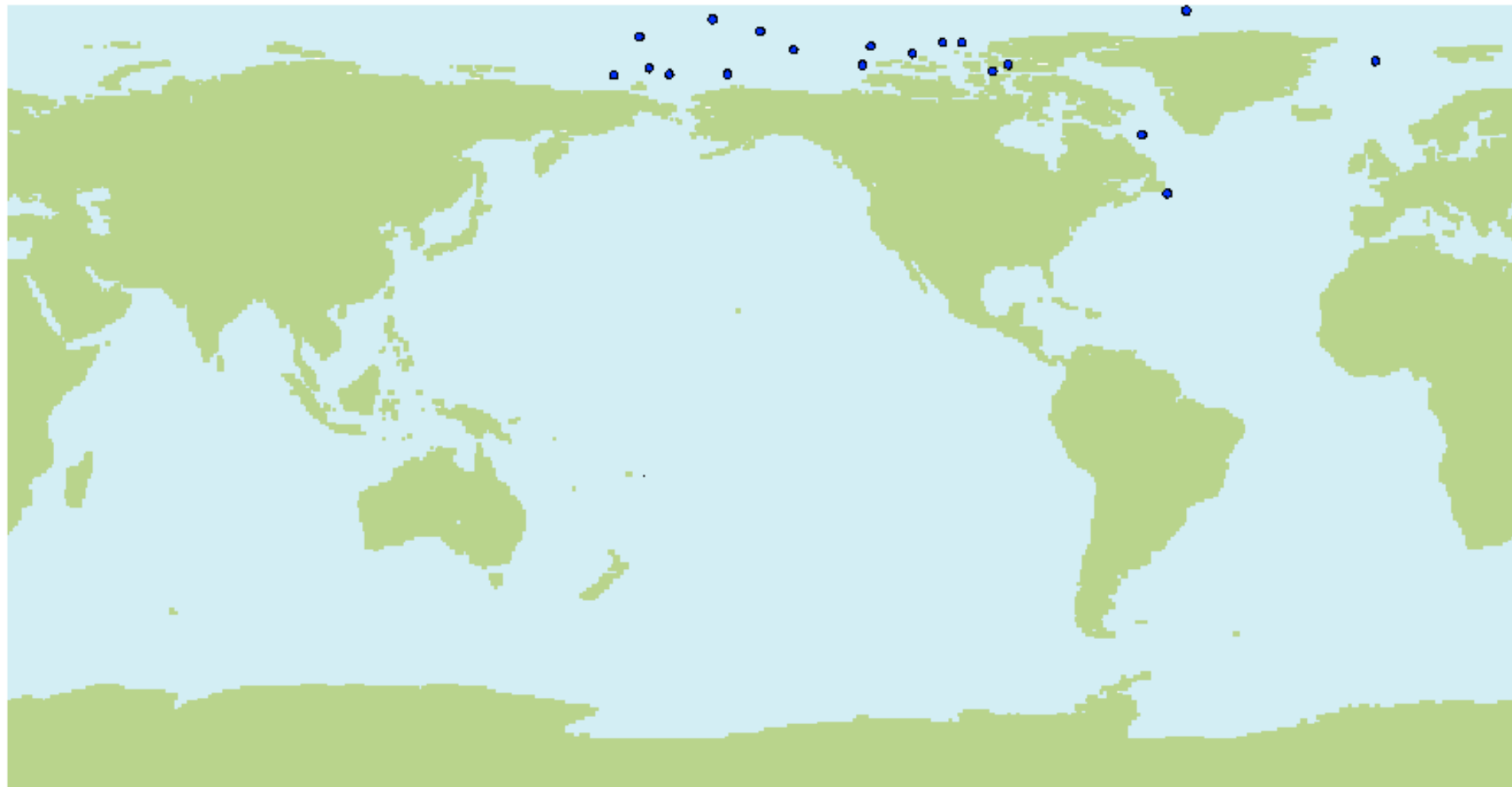
| | | |
|--|---|------|
| Agency or programme | National Oceanic and Atmospheric Administration (NOAA)/ Atlantic Oceanographic and Meteorological Laboratory (AOML) Global Ocean Observing System Center Global Drifter Program | |
| Number and type of buoys | planned for deployment in the next 12 months | 1000 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | 800 |
| | (b) met / ocean research | 200 |
| | (c) developmental | |
| Main deployment areas | Global, All Oceans | |

U.S. Observations Ice Buoy Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: **19**

Observations: **196128**



U.S. Observations Ice Buoy Contribution



| Agency or programme | Arctic Buoy Programme | |
|--|-------------------------------------|-----|
| Number and type of buoys | (a) deployed during the year | 32 |
| | (b) operational as of 1 August | 4 |
| | (c) reporting on GTS as of 1 August | 17 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | [x] |
| | (c) developmental | [x] |
| Main deployment areas | Arctic Ocean | |

| Agency or programme | Antarctic Buoy Programme | |
|--|--------------------------------------|---|
| Number and type of buoys | (a) deployed during the year | 0 |
| | (b) operational as of 31 August | 0 |
| | (c) reporting on GTS as of 31 August | 0 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | X |
| | (b) met / ocean research | X |
| | (c) developmental | X |
| Main deployment areas | Arctic Ocean | |



U.S. Observations Ice Buoy Contribution



| Agency or programme | Arctic Buoy Programme | |
|--|--|-----|
| Number and type of buoys | planned for deployment in the next 12 months | 38+ |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | [x] |
| | (c) developmental | [x] |
| Main deployment areas | Arctic Ocean | |

| Agency or programme | | |
|--|--|-----|
| Number and type of buoys | planned for deployment in the next 12 months | 12 |
| Purpose of programme (check/uncheck boxes using [] or [x] as appropriate) | (a) operational | [x] |
| | (b) met / ocean research | [x] |
| | (c) developmental | [x] |
| Main deployment areas | | |

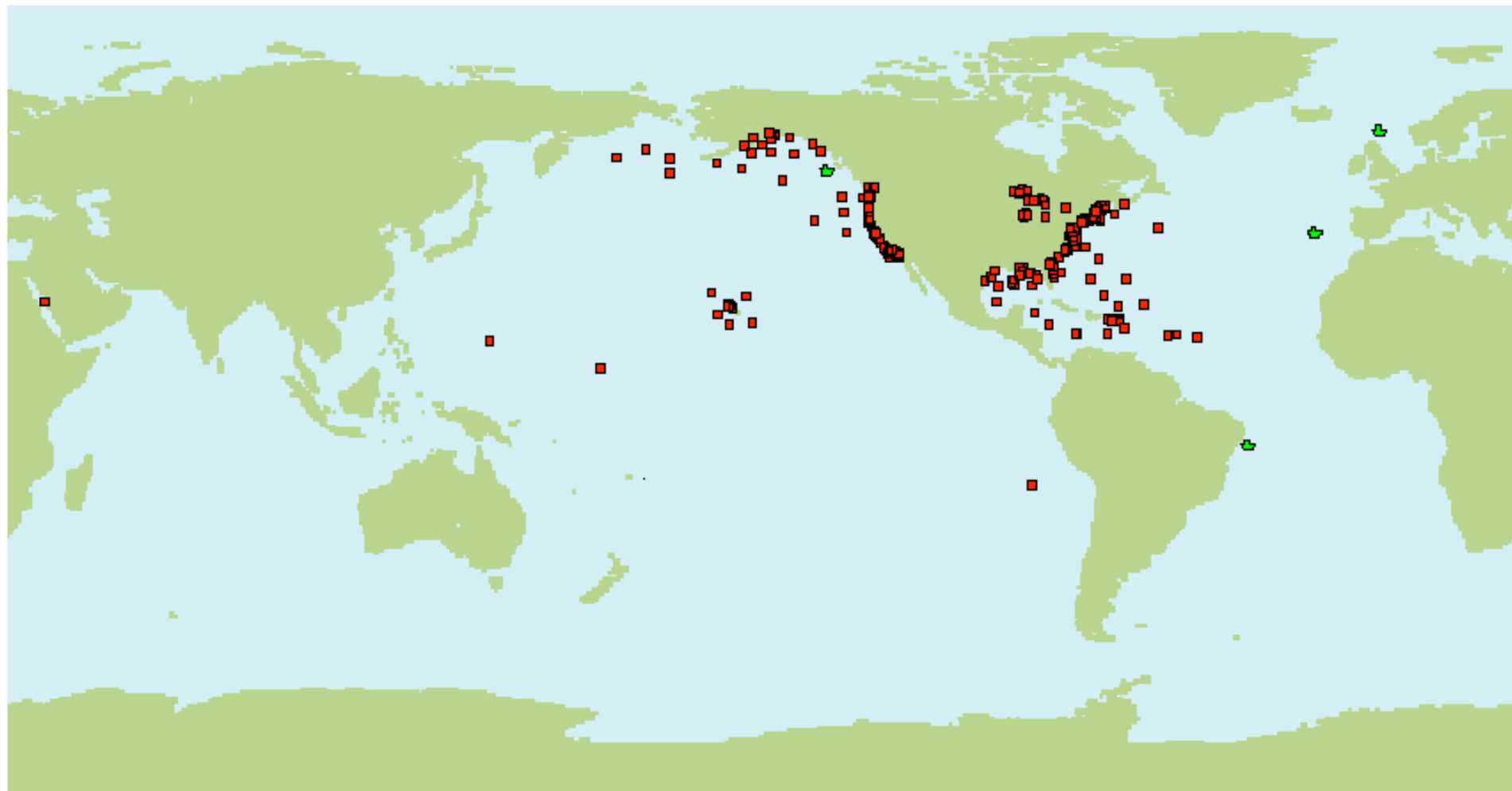


U.S. Observations USACE Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 29-Sep-2011 23:59:59

Platforms: **207**

WVHT Observations: **2509107**



Suppressing ship observations for most recent 48 hours

U.S. Observations

US Army Corp of Engineers Contribution



| Agency or programme | USACE Engineer Research and Development Center / Coastal Data Information Program (SIO) / US Navy | |
|--|---|-------------------------------------|
| Number and type of buoys | (a) deployed during the year | 3 |
| | (b) operational as of 1 August | 54 |
| | (c) reporting on GTS as of 1 August | 51 |
| Purpose of programme (check/uncheck boxes using <input type="checkbox"/> or <input checked="" type="checkbox"/> as appropriate) | (a) operational | <input checked="" type="checkbox"/> |
| | (b) met / ocean research | <input type="checkbox"/> |
| | (c) developmental | <input type="checkbox"/> |
| Main deployment areas | Atlantic, Pacific Oceans Gulf of Mexico and coastal zone of the U.S. | |

| Agency or programme | USACE Engineer Research and Development Center / Coastal Data Information Program (SIO) / US Navy | |
|--|---|-------------------------------------|
| Number and type of buoys | planned for deployment in the next 12 months | 5 (3 spares) |
| Purpose of programme (check/uncheck boxes using <input type="checkbox"/> or <input checked="" type="checkbox"/> as appropriate) | (a) operational | <input checked="" type="checkbox"/> |
| | (b) met / ocean research | <input type="checkbox"/> |
| | (c) developmental | <input type="checkbox"/> |
| Main deployment areas | Atlantic, Pacific Oceans Gulf of Mexico and coastal zone of the U.S. | |



U.S. Observations Argo Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: **1855**

Observations: **10864281**

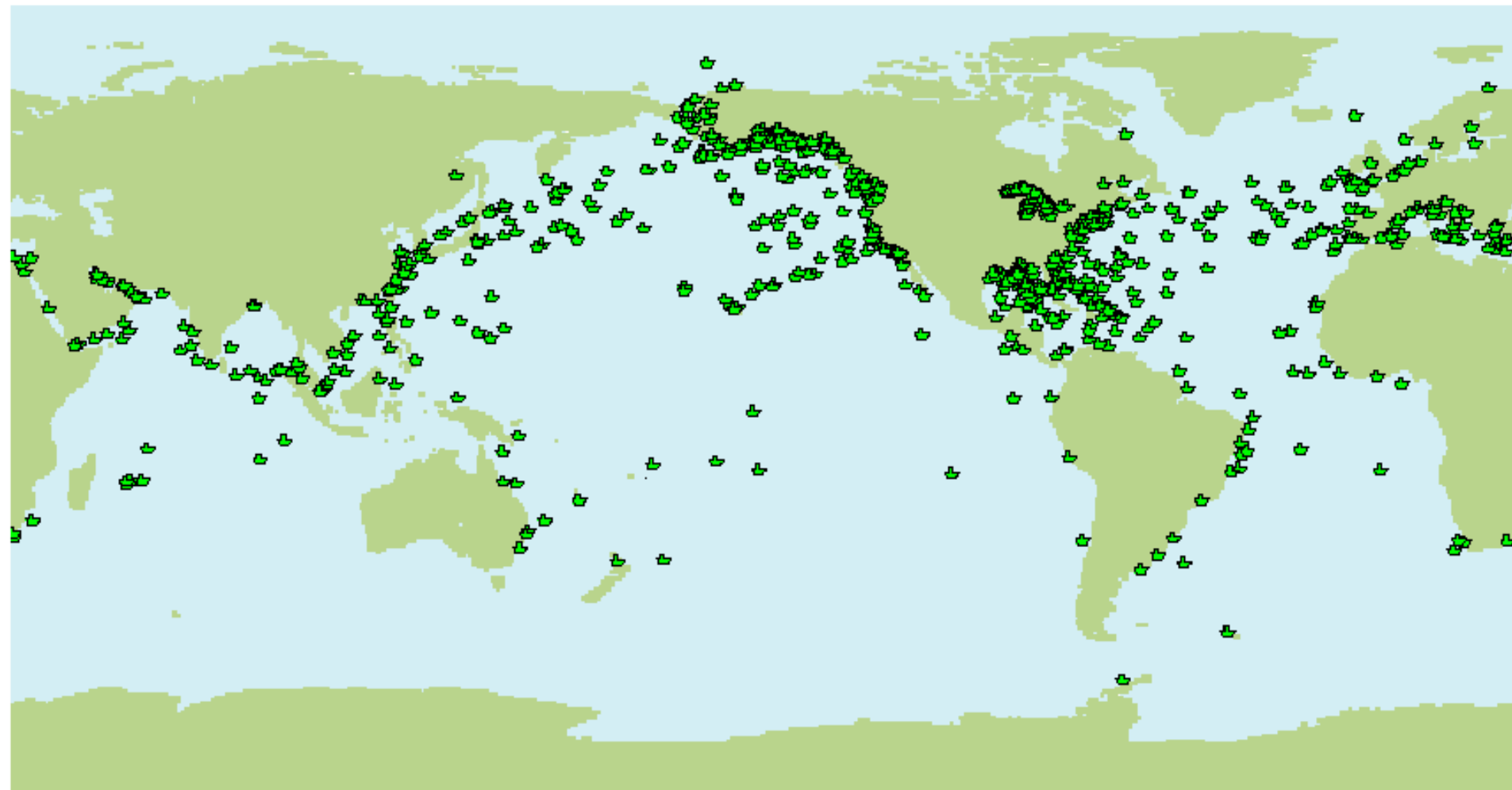


U.S. Observations VOS Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: **796**

Observations: **2288349**

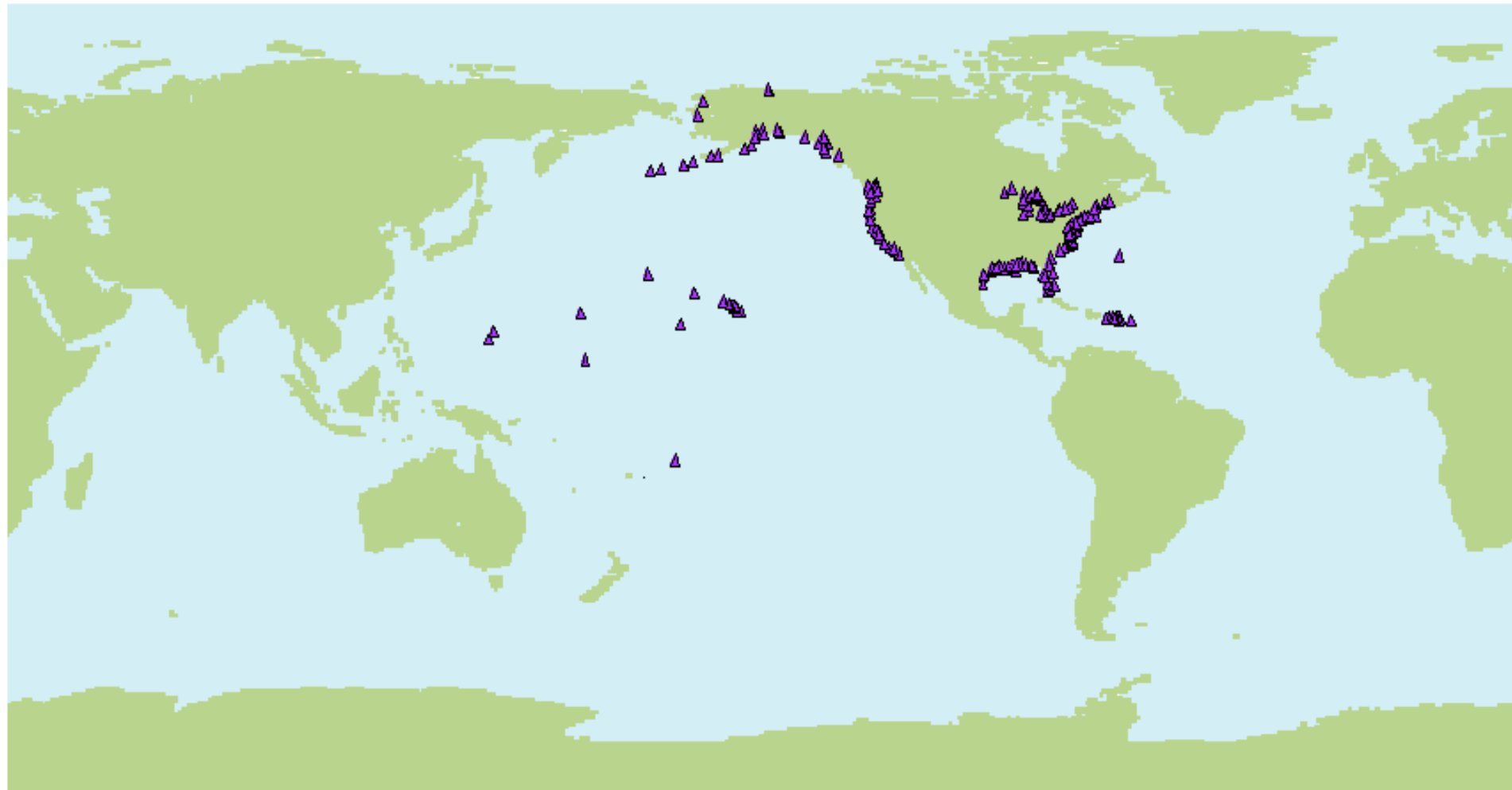


U.S. Observations Tide Gauge Contribution for 2011

Date: 01-Oct-2010 00:00:00 to 27-Sep-2011 23:59:59

Platforms: **259**

Observations: **11409825**





Wall

Hidden Posts



Info



Friend Activity (1+)



Photos



About NDBC



TAO PROGRAM

EDIT

About

[Edit](#)

NDBC's mission is to provide marine meteorological, oceanographic and geoph...

[More](#)

2,715

like this

Likes

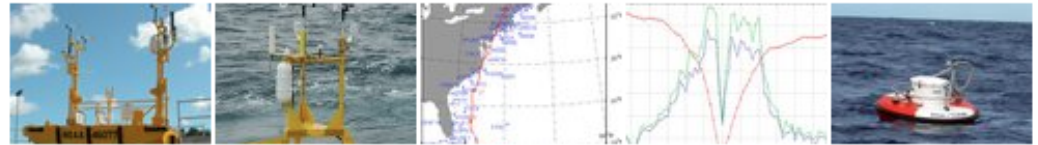
[See All](#)



National Oceanic

National Data Buoy Center

Government Organization · Waveland, Mississippi · [Edit Info](#)



Wall

National Data Buoy Center · [Everyone \(Most Recent\)](#)

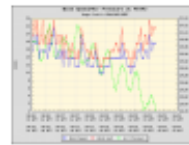
Share: [Status](#) [Photo](#) [Link](#) [Video](#) [Question](#)

Write something...



National Data Buoy Center

NDBC Station 41043 - located 149 miles from Hurricane Ophelia recording decreasing pressure and increasing winds.



NDBC - 5-day plot - Wind Speed, Wind Gust and Atmospheric Pressure at 41043
www.ndbc.noaa.gov

[Like](#) · [Comment](#) · [Share](#) · 2 hours ago

[2 people like this.](#)

Write a comment...



Tom Hainlen

I am attempting to get average wind speeds for Apostle Islands but as a rookie can't figure out how to do so. Is there a simple set of instructions?

[Like](#) · [Comment](#) · 9 hours ago



Chad Cartwright

Hey I'm doing a statistical analysis project for my stats class, and i was wondering if you could provide me with a link to average yearly sea surface temperatures from 1940 from one of your buoys.



**U.S. National
Weather Service**



**The NOAA
Hurricane
Hunters**



U.S. Coast Guard



**NOAA
Commissioned
Officer Corps**

Add to My Page's Favorites

Get Updates via RSS

Unlike

Share



Colin Greene

you guys gonna ever fix 44025 44065 and 44017?

Like · Comment · Tuesday at 7:30am



2 people like this.



Howard Crawford Striper season is almost here, and the busiest area is without any info!! Your tax dollars at work.

Wednesday at 10:45pm · Like · 1 person



Colin Greene new york harbor one of the busiest ports on the coast is without proper weather conditions? come on noaa

Yesterday at 1:04am · Like · 1 person

Write a comment...



Benjamin Rayner

Please get the Montauk buoy up and reporting!!!!

Like · Comment · September 26 at 10:11am



Gail Barkley likes this.

Write a comment...



Nikki Chaffin

Coos Bay 46407...having issues again there?

Like · Comment · September 26 at 10:03am



Joe Gott

just pier fishing.what a tool

Like · Comment · September 25 at 12:52pm



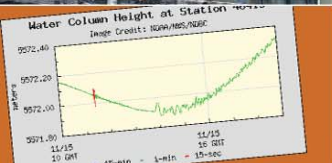
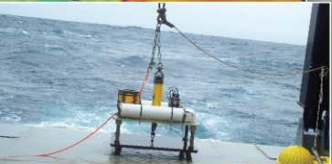
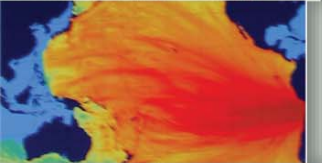
Sailvicarious

Why are all the offshore buoys offline off the coast mass-NY????? We have to offshore tomorrow and need an updates! Been trying to get someone on the phone , but no one is at work today including the operator! I know you're busy, but please help the sailors out here!

Like · Comment · September 24 at 1:24pm



Jim McLaughlin likes this.



Thank you



William H. Burnett
NOAA National Weather Service
National Data Buoy Center
228-688-4766
Bill.Burnett@noaa.gov