



NOAA

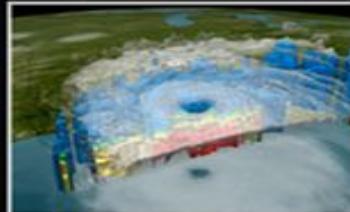
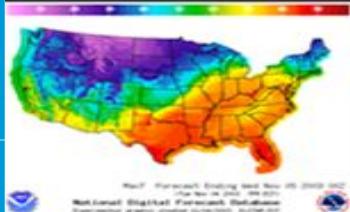
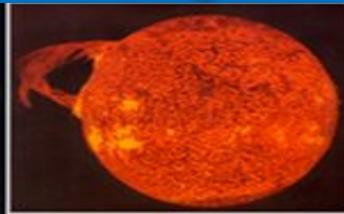
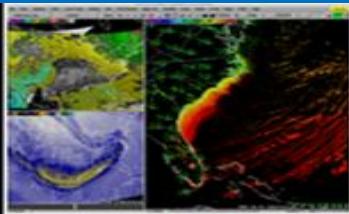
National
Weather
Service



National Weather Service

Weather Ready Marine Ambassador

Darren Wright
National Marine Program Manager





NWS National Service Programs

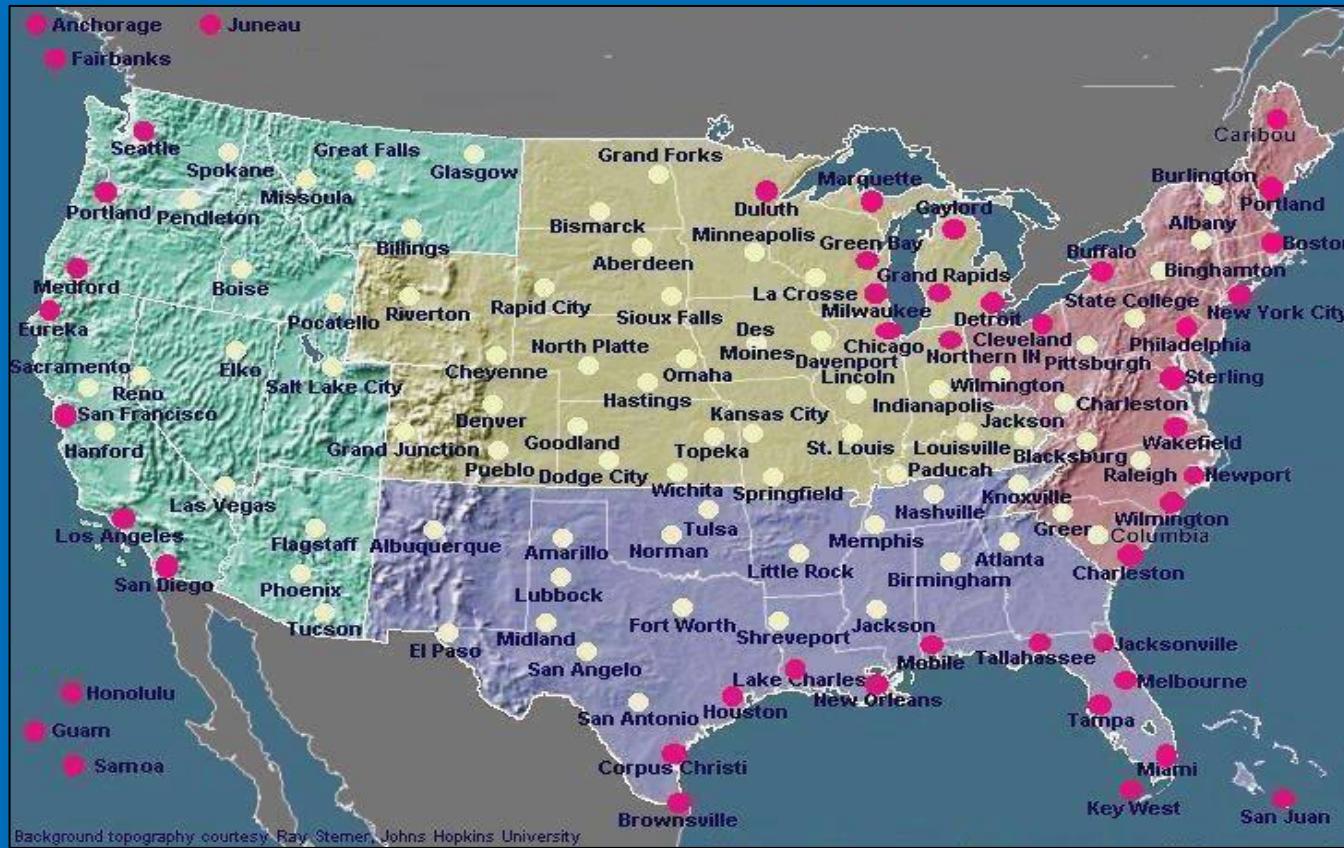


- Aviation Weather
- Climate
- Fire Weather
- Hydrology/Water Resources
- Marine and Coastal
- Public Weather
- Severe Weather
- Space Weather
- Tropical Weather
- Tsunami
- Winter Weather



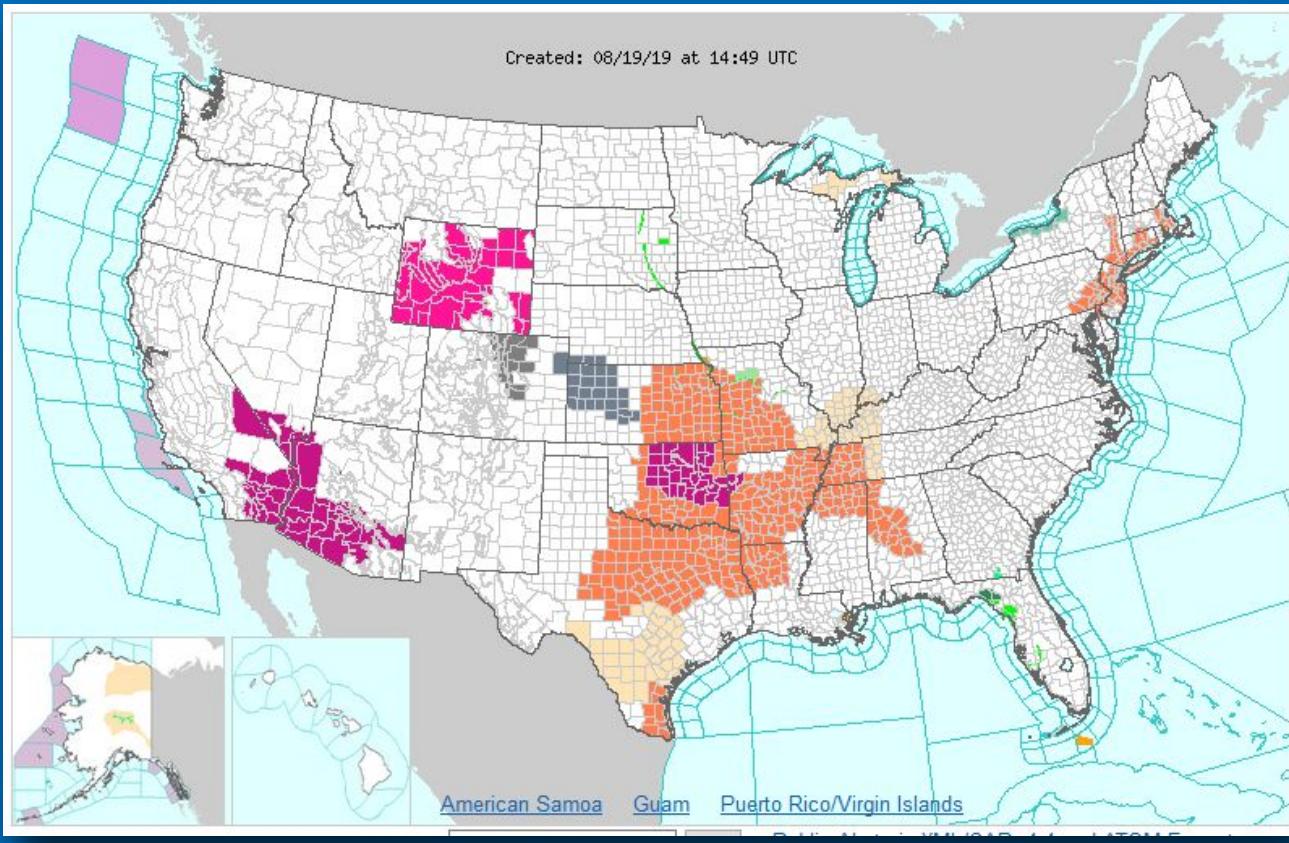


NWS Weather Forecast Offices



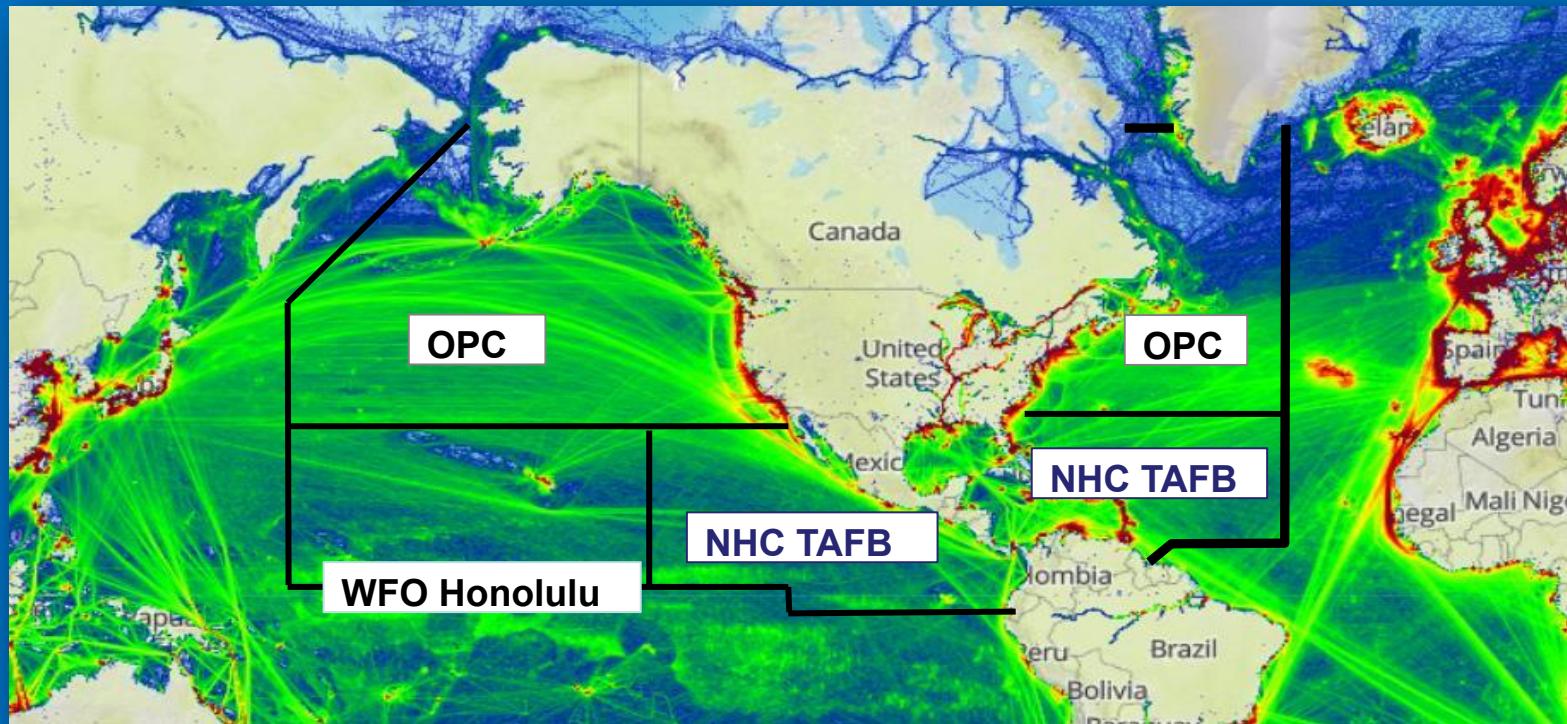


Coastal and Offshore areas



NWS High Seas Marine Zones

Shipping lanes in green:



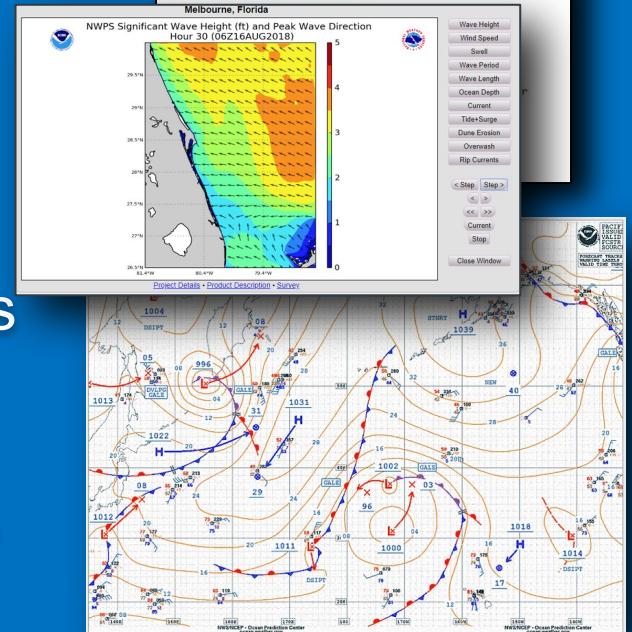
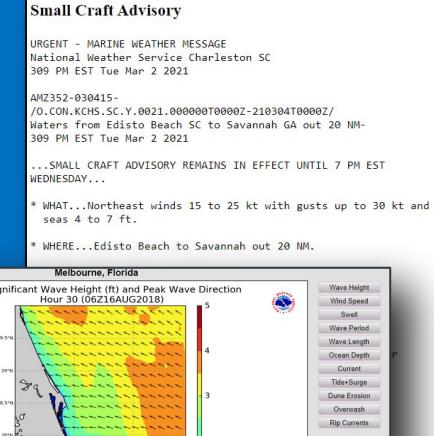
Source of 2013 total ship tracks and background:
marinetraffic.com





NWS Marine Products

- Marine Text Forecasts and Products
- Marine Graphic Forecasts and Products
- Ice Analysis, Forecasts and Iceberg Reports
- Coastal and Marine Watches/Warnings
- Impact-Based Decision Support Services (IDSS)
- Computer Generated Model Guidance
- Safety Messaging and Response





Dissemination Methods



NOAA Weather Radio - Reliable weather broadcasts out to 25nm from shore

HF radio - Long distance broadcast range with coastal and offshore weather information

VHF radio - Marine radio on channels 16 and 22A. Primarily broadcasts for coastal areas

NAVTEX - Medium Frequency weather broadcasts on 518 khz with a range up to 200 nm. Low cost and automated

InMarsat C SafetyNET - Satellite transmission of high seas forecasts and warnings.

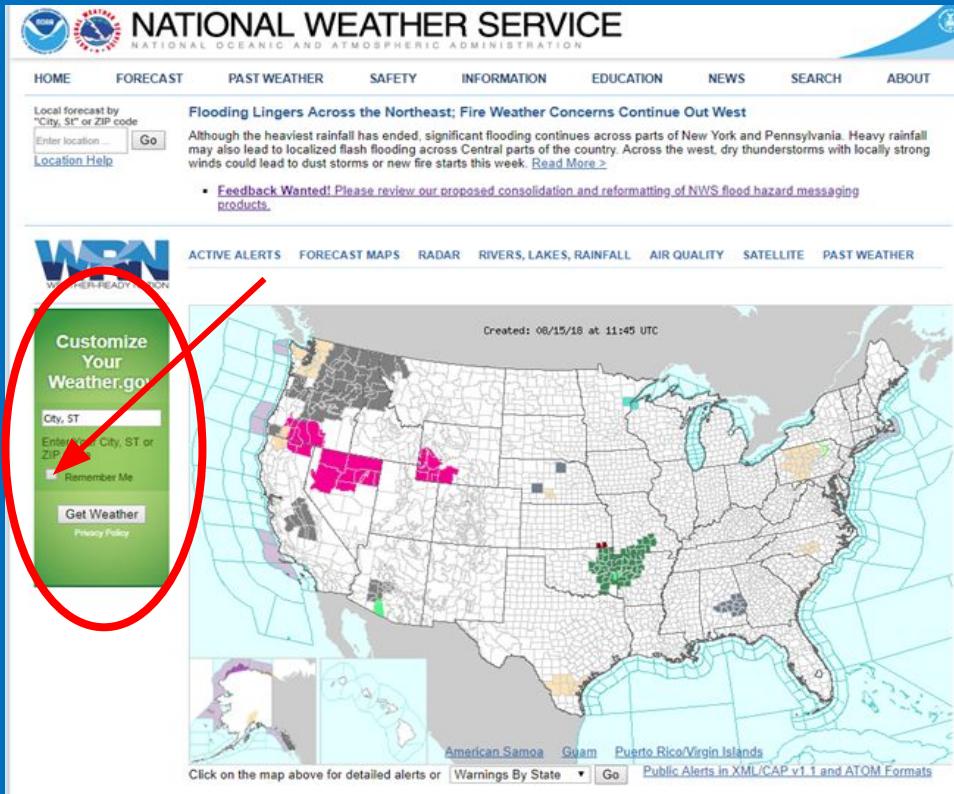
Iridium SafetyCast - Near future satellite transmission of high seas forecasts and warnings (Platform operational in December 2020)

FTP Mail - User can request and receive NWS text and graphic products via email using ftp commands. Low bandwidth.

For more information: <https://weather.gov/marine> (Dissemination menu)



Know Before You Go! - Check the Forecast



http://weather.gov
Point and Click



Marine Program Website

http://weather.gov/marine

The screenshot shows the homepage of the National Weather Service's Marine Weather Services. The top navigation bar includes links for HOME, FORECAST, PAST WEATHER, SAFETY, INFORMATION, EDUCATION, NEWS, SEARCH, and ABOUT. A search bar for "Local forecast by 'City, St' or ZIP code" is present. A banner at the top right announces a new look for the website, mentioning marine weather information and a link to "Read More". The main content area is titled "NWS Marine Weather Services" and "Marine, Tropical and Tsunami Services Branch". It features a map of the United States and surrounding oceans with various weather service centers marked, including Fairbanks, Anchorage, Juneau, Seattle, Portland, Medford, Eureka, San Francisco, Los Angeles, San Diego, American Samoa, Central Pacific Hurricane Center, Guam, Hawaii, Corpus Christi, Brownsville, Houston, Lake Charles, New Orleans, Tallahassee, Jacksonville, Mobile, New York, Boston, Philadelphia, Cleveland, Indiana, Chicago, Milwaukee, Grand Rapids, Gaylord, Michigan, Buffalo, Sterling, Watertown, Newport, Rhode Island, Washington, Charleston, W. Virginia, and the Ocean Prediction Center. The map also shows the Great Lakes and the Caribbean Sea.



Marine Website Features



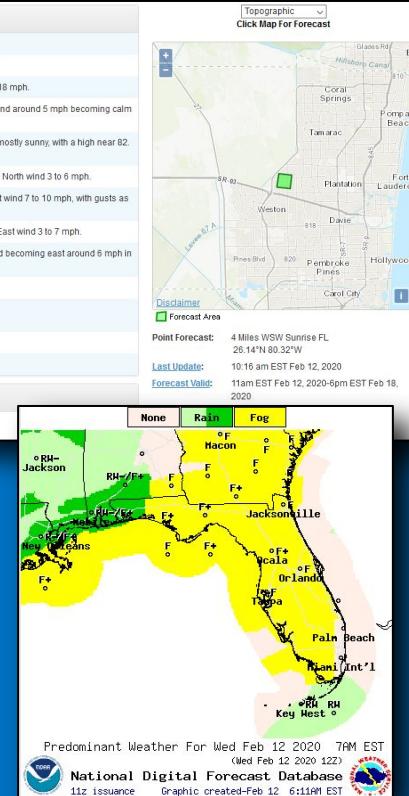
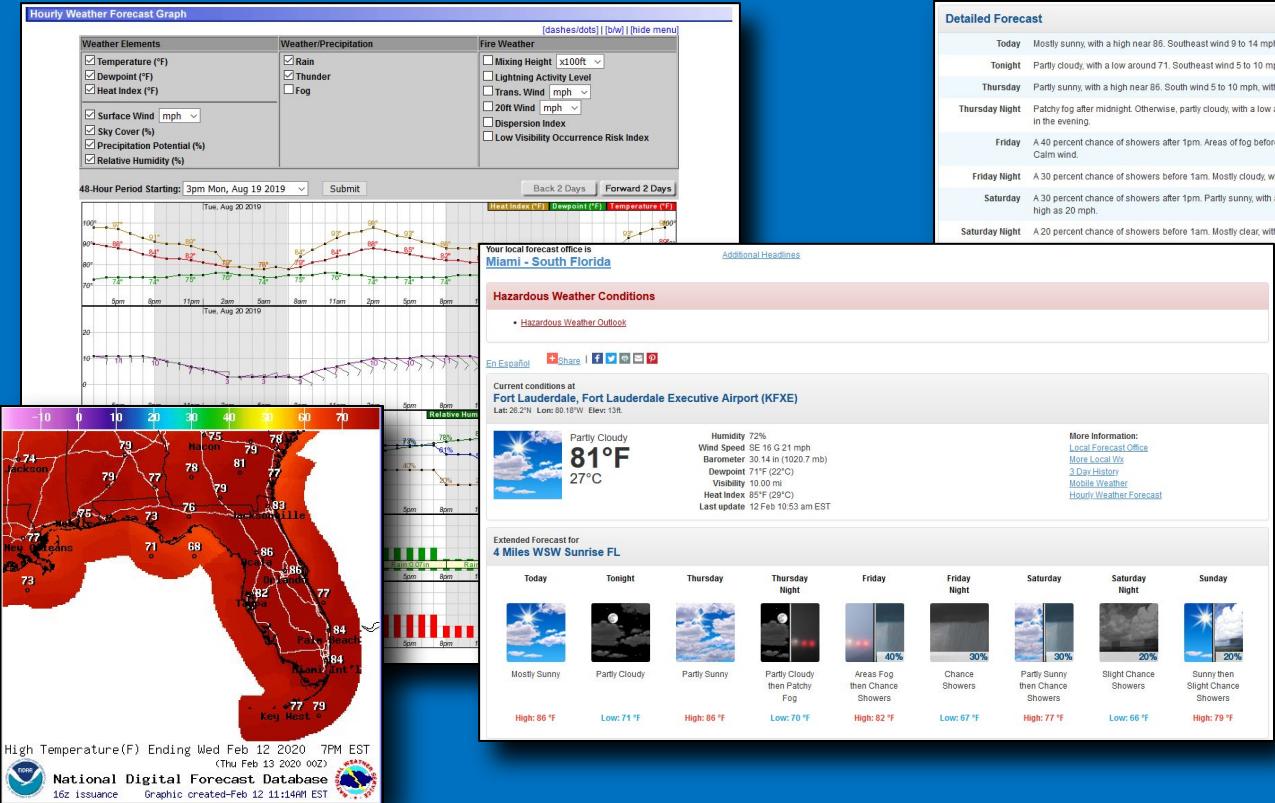
Marine “Point and Click” Spot Forecast Replace “Miami” with local forecast office

<https://www.weather.gov/mfl/>



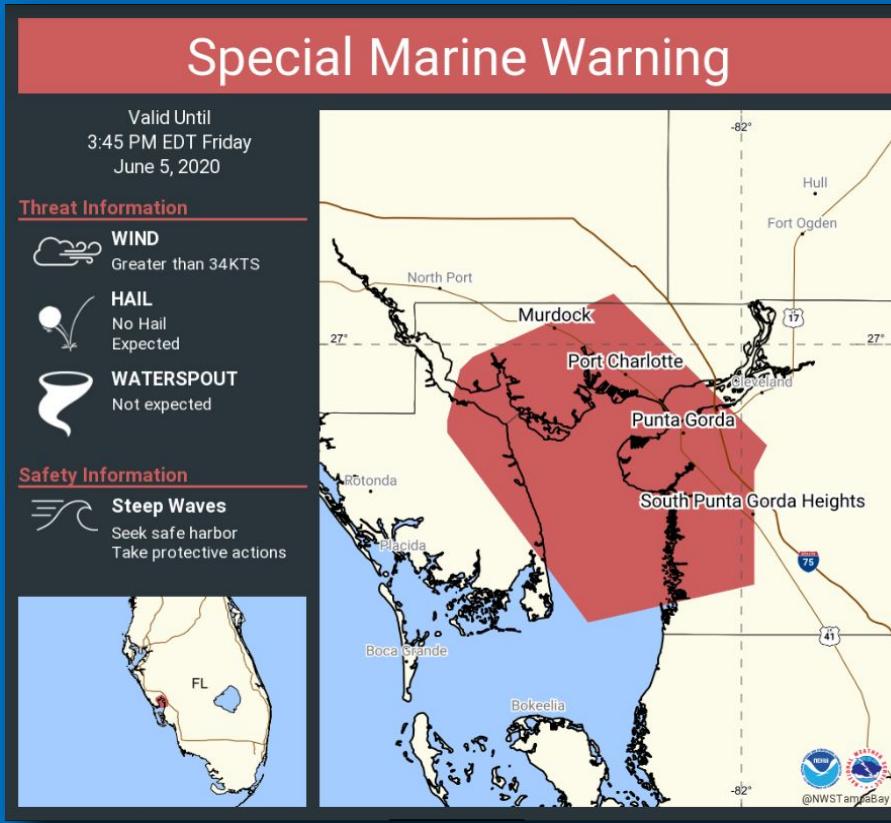


Forecast Products





Special Marine Warning - Auto-tweet





Weather-Ready Nation Ambassador



- From People to Ports to Communities, we are working to build a Weather-Ready Nation
 - Ready, Responsive and Resilient to extreme weather and other hazards



<https://www.weather.gov/wrn/>





Weather-Ready Nation Ambassador

- The Ambassador campaign aims to magnify those efforts through partnerships with key businesses and organizations



<https://www.weather.gov/wrn/>

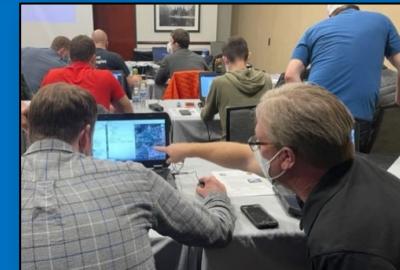




Weather-Ready Nation Ambassador

- Who can be a Weather-Ready Nation Ambassador?
 - All levels of government
 - Academia
 - Businesses & non-profits
 - Weather-dependent sectors of economy

<https://www.weather.gov/wrn/>





Weather-Ready Nation Marine Ambassador



Weather-Ready Nation Marine Ambassador Network

- Comprehensive toolkit including **virtual marine weather hazard training**
- Promotes **weather safety messaging** to their stakeholders
- Engages with NOAA personnel on potential **collaboration opportunities**
- Sharing **Success Stories** of Preparedness and Resiliency
- Virtual **WRN recognition** and share the **WRN logo** for your use
- Direct line of feedback for NWS product improvements
- Receive a **quarterly newsletter** from the NWS about marine weather

<https://www.weather.gov/wrn/wrna-marine>

NATIONAL WEATHER SERVICE
NOAA/National Oceanic and Atmospheric Administration

WRN Marine Ambassador

Welcome to the Weather-Ready Nation Marine Ambassador webpage. Here, you'll find information on NOAA marine weather impacts to maritime safety. We encourage all marine organizations to become an "Marine-Weather Ready" Ambassador and join the WRN Marine Ambassadors who are already involved.

For more information, view the [WRN Ambassador Flyer](#).

Marine Ambassador Toolkit

Forecasts

National Weather Service (NWS) Atlantic Analysis

NWS Pacific Analysis

Weather Forecast Offices

Virtual Training Modules

- General Marine Weather Products and Services
- General Marine Weather Uncertainty and Observations
- Tropical Cyclone Products
- Tropical Cyclone Uncertainty

Additional Data and Resources

- NWS Marine Program
- Voluntary Observing Ship
- National Data Buoy Center
- Safe Boating Portal
- NWSA Precision Marine Navigation

Comprehensive Documents

- OPC Product Guide



Weather-Ready Nation Marine Ambassador



The page features a header with the National Weather Service logo and the text "WRN Marine Ambassador". A red arrow points to the "Ambassador Tab" in the top right corner. The main content area includes:

- WRN Marine Ambassador** (sub-headings: Weather Hazards, Campaigns, Ambassador, Collaboration, News & Events, International, About)
- Marine Ambassador Toolkit** (sub-headings: Forecasts, Current Ambassadors, Brochure, En Español)
- Virtual Training Modules** (sub-headings: General Marine Weather Products and Services, General Marine Weather Uncertainty and Observations, Tropical Cyclone Products, Tropical Cyclone Uncertainty)
- Additional Data and Resources** (sub-headings: NWS Marine Program, Voluntary Observing Ship, National Data Buoy Center, Safe Boating Portal, NOAA Precision Marine Navigation)
- Comprehensive Documents** (sub-headings: OPC Product Guide)

On the right, there is a sidebar with a "Marine Ambassador Flyer" image showing a ship at sea.

<https://www.weather.gov/wrn/wrna-marine>



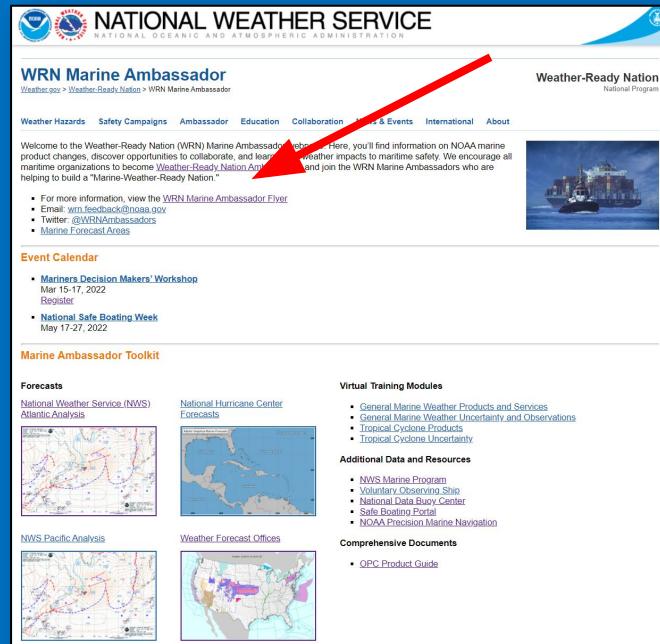


Weather-Ready Nation Marine Ambassador



TOP SECTION

- Intro to WRN Marine Ambassador
- Link to the Flyer
- Contact information
- Social Media link
- Link to NWS Marine Forecast areas



The screenshot shows the WRN Marine Ambassador page on the National Weather Service website. The page features a header with the National Weather Service logo and the text 'WRN Marine Ambassador'. Below the header, there is a main content area with a heading 'Learn' and a sub-section 'Marine Forecast Areas'. A red arrow points to this 'Learn' section. The page also includes a 'Event Calendar' with two entries, a 'Marine Ambassador Toolkit' section with links to 'Forecasts' (National Weather Service (NWS) Atlantic Analysis, National Hurricane Center Forecasts, NWS Pacific Analysis, Weather Forecast Offices), 'Virtual Training Modules' (General Marine Weather Products and Services, General Marine Weather Uncertainty and Observations, Tropical Cyclone Products, Tropical Cyclone Uncertainty), 'Additional Data and Resources' (NWS Marine Program, Voluntary Observing Ship, National Data Buoy Center, Safe Boating Portal, NOAA Precision Marine Navigation), and a 'Comprehensive Documents' section with a link to the 'OPC Product Guide'.

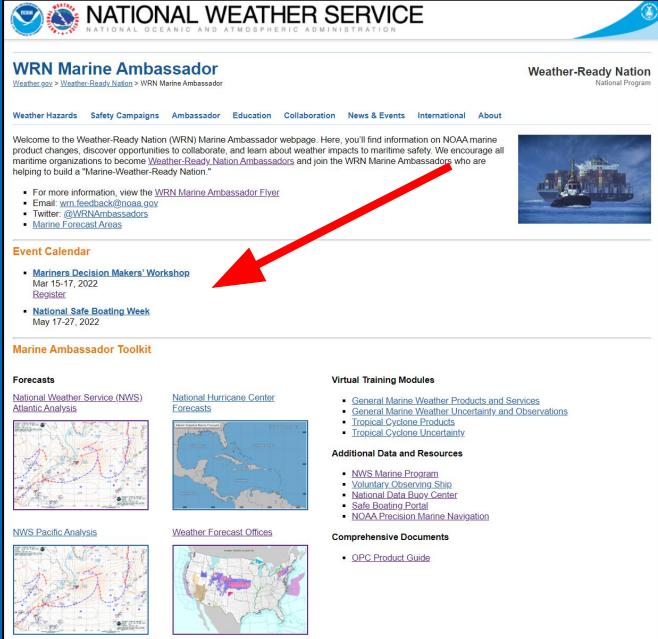
<https://www.weather.gov/wrn/wrna-marine>



Weather-Ready Nation **Marine Ambassador**

MIDDLE SECTION

- Event Calendar
 - Marine related Conferences
 - Marine related awareness weeks
 - Other marine related activities



NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

WRN Marine Ambassador

Weather.gov > Weather-Ready Nation > WRN Marine Ambassador

Weather Hazards Safety Campaigns Ambassador Education Collaboration News & Events International About

Welcome to the Weather-Ready Nation (WRN) Marine Ambassador webpage. Here, you'll find information on NOAA marine product changes, discover opportunities to collaborate, and learn about weather impacts to maritime safety. We encourage all maritime organizations to become Weather-Ready Nation Ambassadors and join the WRN Marine Ambassadors who are helping to build a "Marine-Weather-Ready Nation."

- For more information, view the [WRN Marine Ambassador Flyer](#)
- Email: wrn_feedback@noaa.gov
- Twitter: [@WRN_Ambassadors](#)
- Marine Forecast Areas

Event Calendar

- [Mariners Decision Makers' Workshop](#)
Mar 15-17, 2022
Register
- [National Safe Boating Week](#)
May 17-27, 2022

Marine Ambassador Toolkit

Forecasts

National Weather Service (NWS) Atlantic Analysis

National Hurricane Center Forecasts

NWS Pacific Analysis

Weather Forecast Offices

Virtual Training Modules

- General Marine Weather Products and Services
- General Marine Weather Uncertainty and Observations
- Tropical Cyclone Products
- Tropical Cyclone Uncertainty

Additional Data and Resources

- NWS Marine Program
- Voluntary Observing Ship
- National Data Buoy Center
- Safe Boating Portal
- NOAA Precision Marine Navigation

Comprehensive Documents

- OPC Product Guide

<https://www.weather.gov/wrn/wrna-marine>





Weather-Ready Nation **Marine Ambassador**



BOTTOM LEFT SECTION

- Forecast Resources
 - NWS Atlantic Analysis
 - NWS Pacific Analysis
 - NWS Alaska/Arctic Analysis
 - National Hurricane Center Forecasts
 - Weather Forecast Offices
 - U.S. National Ice Center



The screenshot shows the WRN Marine Ambassador webpage under the National Weather Service. The page includes a header with the National Oceanic and Atmospheric Administration logo, a navigation bar with links like Weather Hazards, Safety Campaigns, Ambassador, Education, Collaboration, News & Events, International, and About, and a sub-navigation bar for Weather-Ready Nation. The main content area features a welcome message, an event calendar with a workshop and National Safe Boating Week, a Marine Ambassador Toolkit, and a 'Virtual Learning Modules' section. The 'Virtual Learning Modules' section is highlighted with a red arrow and contains links to General Marine Weather Products and Services, General Marine Weather Uncertainty and Observations, Tropical Cyclone Products, and Tropical Cyclone Uncertainty. The page also includes sections for Forecasts (National Weather Service (NWS) Atlantic Analysis, National Hurricane Center Forecasts, NWS Pacific Analysis, and Weather Forecast Offices), Additional Data and Resources, and Comprehensive Documents.

<https://www.weather.gov/wrn/wrna-marine>





Weather-Ready Nation **Marine Ambassador**

BOTTOM RIGHT SECTION

- Virtual Training Modules
 - Marine and Tropical
- Additional Data and Resources
 - NWS Marine Program, VOS, NDBC, et.
- Comprehensive Documents
 - OPC Product Guide
- Marine Service Change Notices
 - Example: recent zone changes

<https://www.weather.gov/wrn/wrna-marine>

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

WRN Marine Ambassador

Welcome to the Weather-Ready Nation (WRN) Marine Ambassador webpage. Here, you'll find information on NOAA marine product changes, discover opportunities to collaborate, and learn about weather impacts to maritime safety. We encourage all maritime organizations to become Weather-Ready Nation Ambassadors and join the WRN Marine Ambassadors who are helping to build a "Marine-Weather-Ready Nation."

For more information, view the [WRN Marine Ambassador Flyer](#)
Email: wrn_feedback@noaa.gov
Twitter: [@WRN_Ambassadors](#)
Marine Forecast Areas

Event Calendar

- Mariners Decision Makers' Workshop
Mar 15-17, 2022
Register
- National Safe Boating Week
May 17-27, 2022

Marine Ambassador Toolkit

Forecasts

- National Weather Service (NWS) Atlantic Analysis
- National Hurricane Center Forecasts
- NWS Pacific Analysis
- Weather Forecast Offices

Virtual Training Modules

- General Marine Weather Products and Services
- General Marine Weather Uncertainty and Observations
- Tropical Cyclone Products
- Tropical Cyclone Uncertainty

Additional Data and Resources

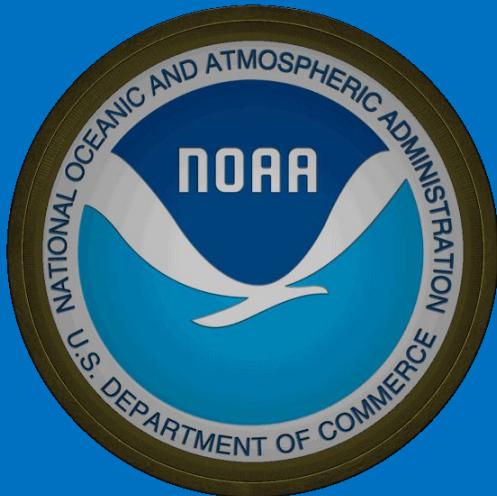
- NWS Marine Program
- Voluntary Observing Ship
- National Data Buoy Center
- Safe Boating Portal
- NOAA Precision Marine Navigation

Comprehensive Documents

- OPC Product Guide



Thank you! Questions?



Darren Wright
National Marine Program Manager

darren.wright@noaa.gov

(202) 936-5993

