

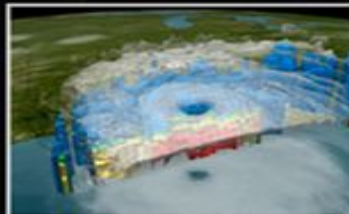
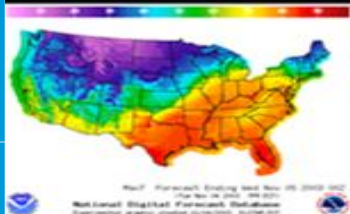
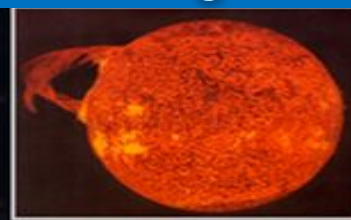
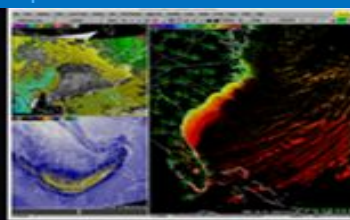
NOAA

National
Weather
Service

National Weather Service

Weather Ready Marine Ambassador

Darren Wright
National Marine Program Manager

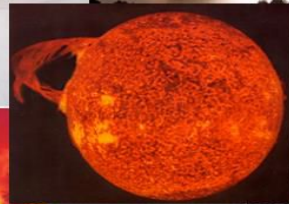




NWS National Service Programs

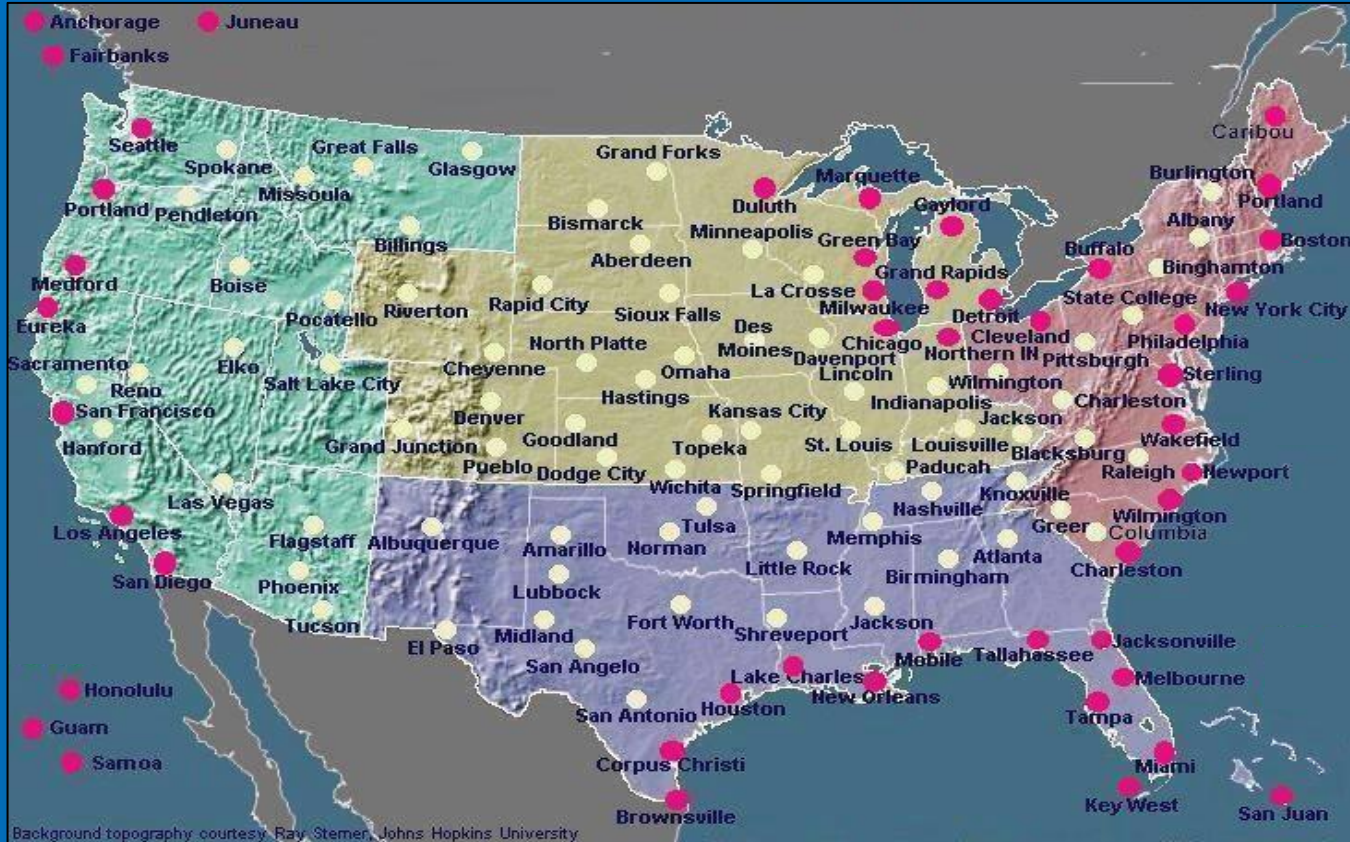


- Aviation Weather
- Climate
- Fire Weather
- Hydrology/Water Resources
- **Marine and Coastal**
- Public Weather
- Severe Weather
- Space Weather
- Tropical Weather
- Tsunami
- Winter Weather



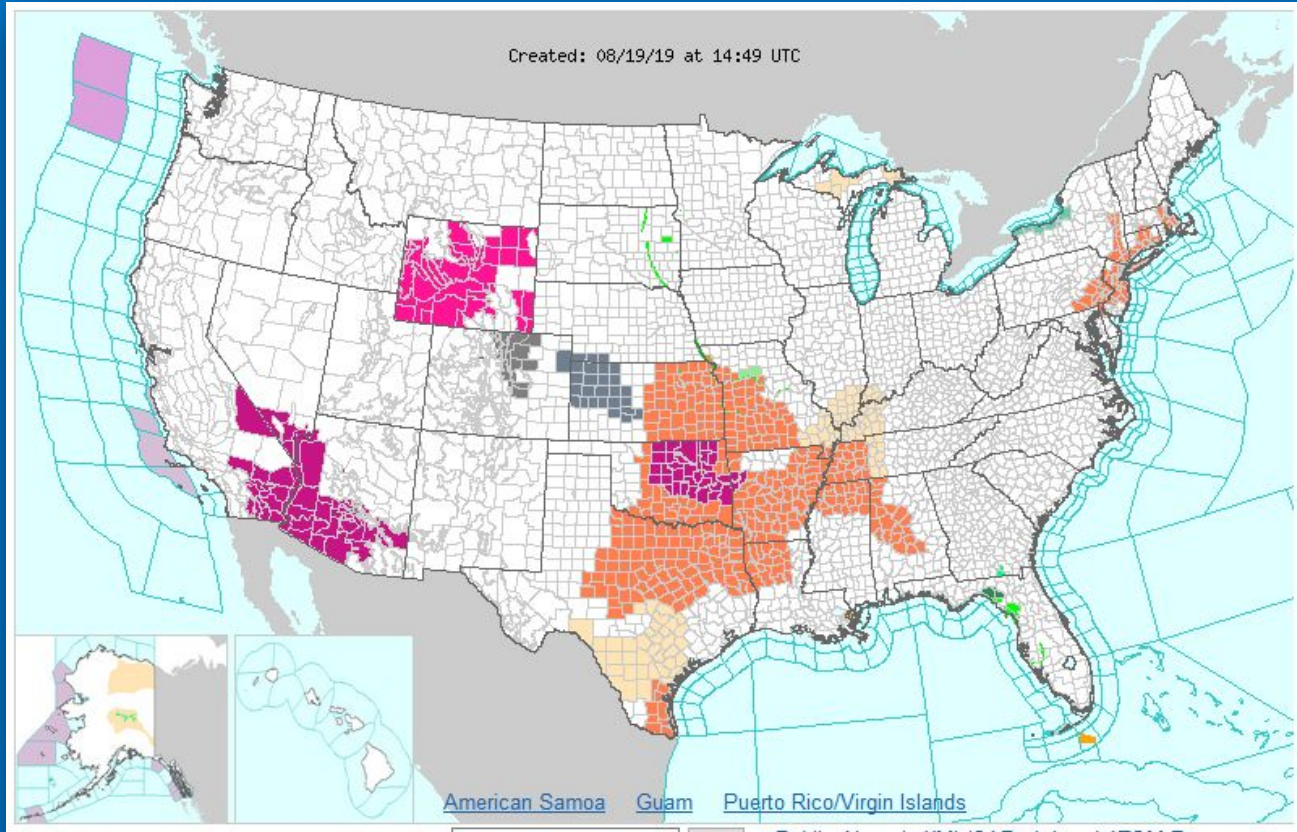


NWS Weather Forecast Offices



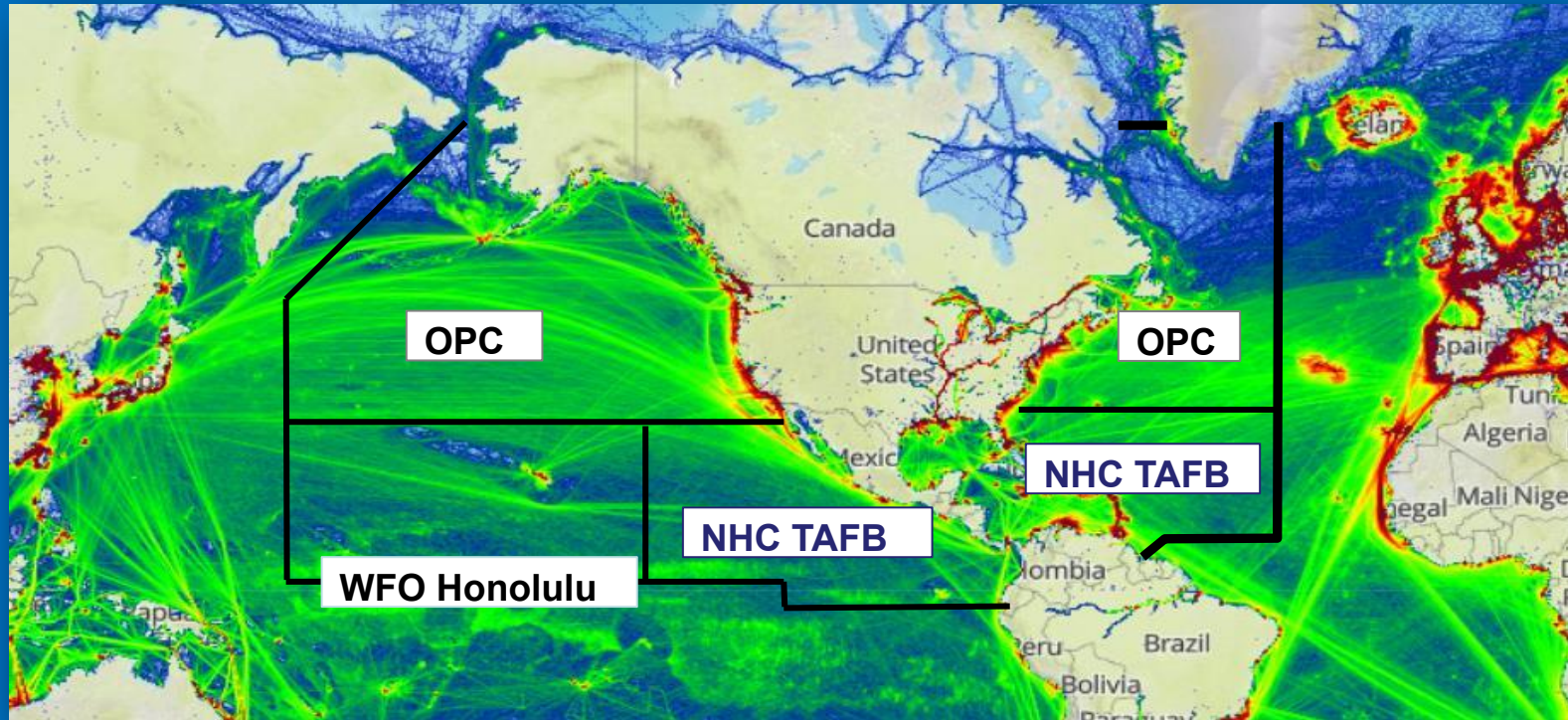


Coastal and Offshore areas



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

Small Craft Advisory

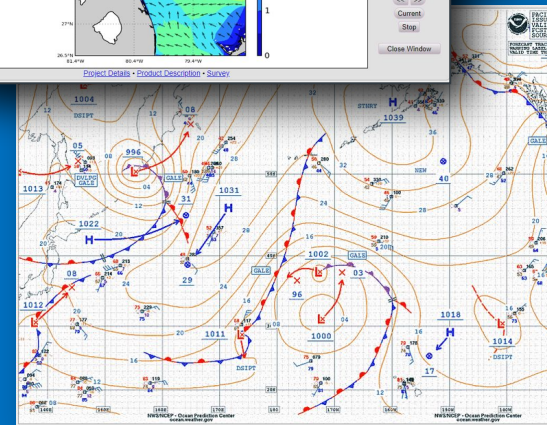
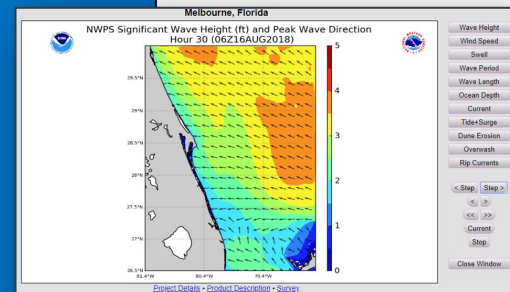
URGENT - MARINE WEATHER MESSAGE
National Weather Service Charleston SC
309 PM EST Tue Mar 2 2021

AMZ352-030415-
/O.CON.KCHS.SC.Y.0021.00000T0000Z-210304T0000Z/
Waters From Edisto Beach SC to Savannah GA out 20 NM-
309 PM EST Tue Mar 2 2021

...SMALL CRAFT ADVISORY REMAINS IN EFFECT UNTIL 7 PM EST WEDNESDAY...

* WHAT...Northeast winds 15 to 25 kt with gusts up to 30 kt and seas 4 to 7 ft.

* WHERE...Edisto Beach to Savannah out 20 NM.





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)



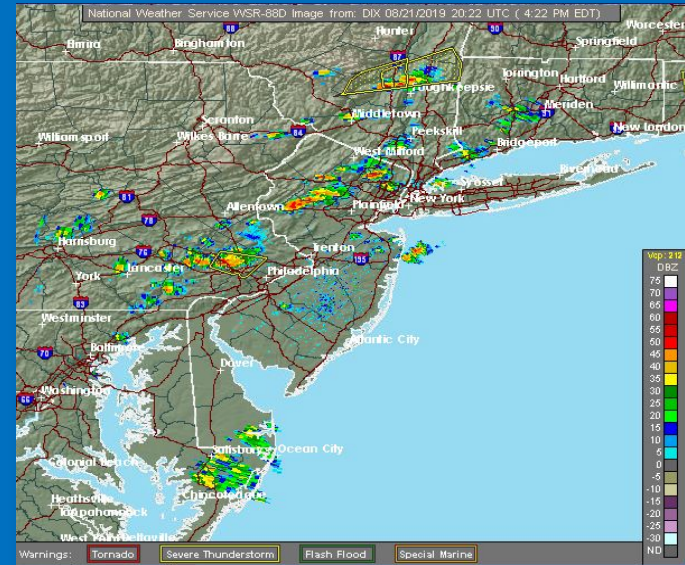
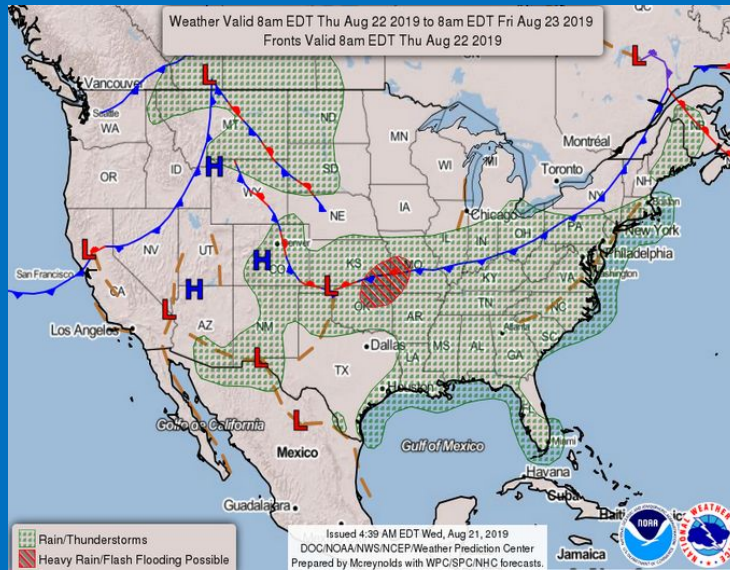
FTP Mail - User can request and receive NWS text and graphic products via email using ftp commands. Low bandwidth.

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





Know Before You Go!



Know Before You Go! - Check the Forecast

The screenshot shows the National Weather Service website. At the top, there is a navigation menu with links for HOME, FORECAST, PAST WEATHER, SAFETY, INFORMATION, EDUCATION, NEWS, SEARCH, and ABOUT. Below the menu, there is a local forecast section with a search box for "City, ST" or ZIP code and a "Go" button. A news article titled "Flooding Lingers Across the Northeast; Fire Weather Concerns Continue Out West" is displayed, with a "Read More" link. A sidebar on the left is titled "Customize Your Weather.gov" and contains a search box for "City, ST", a "Remember Me" checkbox, and a "Get Weather" button. A red circle highlights this sidebar, and a red arrow points to the search box. The main content area features a map of the United States with various weather alerts indicated by colored overlays (pink, green, yellow). The map is titled "Created: 06/15/18 at 11:45 UTC". At the bottom of the map, there are links for "American Samoa", "Guam", and "Puerto Rico/Virgin Islands", and a "Warnings By State" dropdown menu.

<http://weather.gov>
Point and Click



Marine Program Website

<http://weather.gov/marine>

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local forecast by "City, St" or ZIP code
Enter location: Go
[Location Help](#)

A New Day Has Dawned for NWS Marine Weather Services
The NWS Marine Weather Services website has a new look, is easier to navigate and contains important marine weather information you need. [Read More](#)

NWS Marine Weather Services Marine, Tropical and Tsunami Services Branch
[Weather.gov](#) > Marine, Tropical and Tsunami Services Branch

Marine Text Forecasts Radiofax Charts Observations Dissemination Graphic Products Get Products via Email Items of Interest FAQ

The National Weather Service (NWS) Marine Weather Services Program offers a broad range of forecast and warning products. This website provides marine forecast and warning products in graphical and text formats.

Links to text products can be found under the Marine Text Forecasts menu and graphical products can be found under the Radiofax Charts and Graphic Products menus. Clicking on the the map below will take you to the marine service pages of NWS Weather Forecast Offices (WFOs) which provide forecasts and warning services for the coastal waters along the mainland of the continental U.S. and for the waters of the Great Lakes.

If you are interested in receiving NWS marine products via email, mouse over the Get Products via Email menu item and click on the link that pops up. If you have questions about this site or the NWS marine, tropical or tsunami programs, please contact us at marine_weather@noaa.gov

NWS Marine Weather Forecasts



Marine Website Features

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local forecast by City, ST or ZIP code

[Location Help](#)

News Headlines
 • Discontinuation of output from the NWS's Lake Michigan Operational Forecast System and Lake Huron Operational Forecast System on NOAA nowcast map services. Effective July 23, 2019
 • Converting Legacy Ocean Prediction Center (OPC) HTML Webpages to .php Format Effective July 9, 2019
 • Help file for using FTMaps
[Additional Headlines](#)

New Menu drop down options

NWS Marine Weather Services Marine, Tropical and Tsunami Services Branch
[Weather App](#) / [Marine, Tropical and Tsunami Services Branch](#)

[Marine Text Forecasts](#) [Radiofax Charts](#) [Observations](#) [Dissemination](#) [Graphic Products](#) [Get Products via Email](#) [Items of Interest](#) [FAQ](#)

The National Weather Service (NWS) Marine, Tropical and Tsunami Services Branch provides a broad range of forecast and warning products. This website provides marine forecast and warning products in graphical and text formats.

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NWS Marine Weather Forecasts

Clickable Map to regional marine pages.

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

FORECAST PAST WEATHER SAFETY

Marine Text Forecast and Product
 Marine, Tropical and Tsunami Services Branch > NWS Marine Text Forecasts

[Marine Text Forecasts](#) [Radiofax Charts](#) [Observations](#) [Dissemination](#)

Sea Surface Forecasts
 • [Tropical Forecasts](#)
 • [TEX Forecasts](#)
 • [Alaskan Waters Forecasts](#)
 • [Great Lakes Coastal Waters Forecasts](#)
 • [Great Lakes Zone Forecasts](#)
 • [Great Lakes Seasonal Forecasts](#)
 • [Great Lakes Weather Statement](#)
 • [Great Lakes Marine Warning](#)
 • [Great Lakes Weather Message](#)
 • [Great Lakes 15 Day Term Forecast](#)
 • [Great Lakes Hazardous Weather Outlook](#)
 • [Great Lakes Weather Watch Clearance Notification](#)
 • [Great Lakes Weather Discussion Marine Forecast](#)
 • [Great Lakes Forecast \(experimental\)](#)

Great Lakes

- Great Lake Forecasts
- Other Great Lakes Forecasts
- Great Lakes Forecasts
- Great Lake Statement
- Great Lake Forecast
- Great Lake Outlook
- Great Lake Clearance
- Great Lake Warning/Statement

Alaskan Waters Forecasts
 • [Alaskan Waters Sea Surface Temperature](#)
 • [Alaska Sea Ice](#)

Great Lakes Forecasts
 • [Great Lakes Ice](#)

Alaskan Waters Forecasts
 • [Alaskan Waters Sea Surface Temperature](#)
 • [Alaska Sea Ice](#)

Great Lakes Forecasts
 • [Great Lakes Ice](#)

NEW Seasonal Information Section

Tropical conditions

[Central Pacific Tropical Cyclones](#) [Eastern Pacific Tropical Cyclones](#) [Atlantic Cyclones](#)

Sea Surface Temperature and Ice Conditions

[Alaskan Waters Sea Surface Temperature](#) [Alaska Sea Ice](#) [Great Lakes Ice](#)

Additional links including safety messaging, publications and other resources for marine weather.

- [Weather Safety Tips](#) including Hurricanes, Lightning, Rip Currents and other Dangerous Waves, etc.
- [Cold Water Safety Tips](#)
- [Publications](#)
- [Additional Links](#)
- [NWS Marine, Tropical and Tsunami Branch](#)
- [NWS Nationwide Weather Home Page](#)

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

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

The screenshot shows the National Weather Service website for the Miami - South Florida office. The page includes a navigation menu, news headlines, and a forecast section. A red arrow points to the 'Local forecast by' section, and a red circle highlights the 'Miami FL' text.

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

HOME FORECAST PAST WEATHER SAFETY INFORMATION EDUCATION NEWS SEARCH ABOUT

Local forecast by "City, ST* or ZIP code"
Enter location: Go

News Headlines
• [SKYWARN \(TM\) Classes for 2020 Posted Here. Check Back for Updates!](#)
• [Tropical Winds Newsletter Winter 2019-2020 Edition](#)

NWS Forecast Office Miami - South Florida
Miami - South Florida
Weather Forecast Office

Current Hazards Current Conditions Radar Forecasts Rivers and Lakes Climate and Past Weather
Local Programs

Today's High Temps Tonight's Low Temps

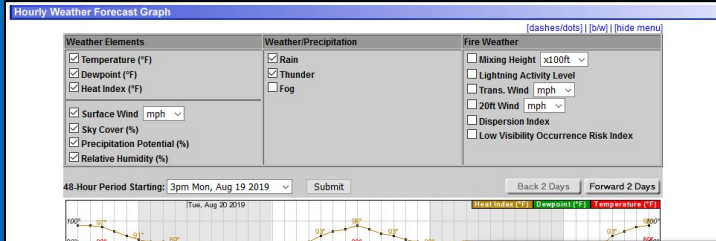
Today's South Florida Temperatures
Weather Forecast Office Miami/South Florida
Valid Wednesday Issued Feb 12, 2020 4:06 AM EST

Location	Temperature
Sarasota	84°
Sebring	86°
Okaloosa	86°
Stuart	83°
Fort Pierce	84°
Port St. John	87°
Fort Myers	85°
Lee Belle	85°
Belle Glad	85°
West Palm Beach	83°
Immokalee	83°
Naples	83°
Everglades City	84°
Fort Lauderdale	85°
Miami	85°
Homestead	85°
Key Largo	85°

Highs today will be in the 80s

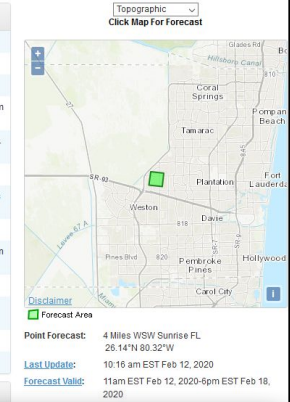


Forecast Products



Detailed Forecast

Today	Mostly sunny, with a high near 86. Southeast wind 9 to 14 mph.
Tonight	Partly cloudy, with a low around 71. Southeast wind 5 to 10 mph becoming light
Thursday	Partly sunny, with a high near 86. South wind 5 to 10 mph, with gusts as high as 18 mph.
Thursday Night	Patchy fog after midnight. Otherwise, partly cloudy, with a low around 70. South wind around 5 mph becoming calm in the evening.
Friday	A 40 percent chance of showers after 1pm. Areas of fog before 8am. Otherwise, mostly sunny, with a high near 82. Calm wind.
Friday Night	A 30 percent chance of showers before 1am. Mostly cloudy, with a low around 67. North wind 3 to 6 mph.
Saturday	A 30 percent chance of showers after 1pm. Partly sunny, with a high near 77. East wind 7 to 10 mph, with gusts as high as 20 mph.
Saturday Night	A 20 percent chance of showers before 1am. Mostly clear, with a low around 66. East wind 3 to 7 mph.



Your local forecast office is **Miami - South Florida**

Hazardous Weather Conditions

- Hazardous Weather Outlook

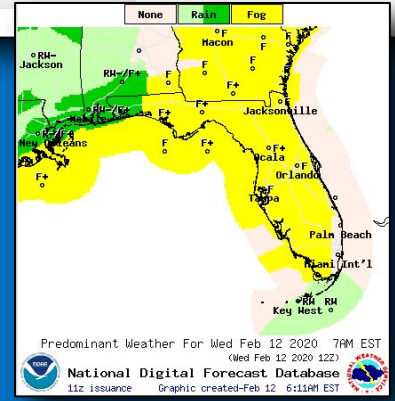
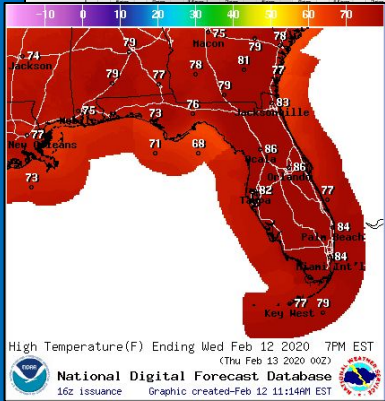
Current conditions at **Fort Lauderdale, Fort Lauderdale Executive Airport (KFXE)**
 Lat: 26.27°N, Lon: 80.18°W, Elev: 13ft

Partly Cloudy
81°F
 27°C

Humidity 72%
 Wind Speed SE 16 G 21 mph
 Barometer 30.14 in (1020.7 mb)
 Dewpoint 71°F (22°C)
 Visibility 10.00 mi
 Heat Index 85°F (29°C)
 Last update 12 Feb 10:53 am EST

Extended Forecast for **4 Miles WSW Sunrise FL**

Today	Tonight	Thursday	Thursday Night	Friday	Friday Night	Saturday	Saturday Night	Sunday
Mostly Sunny	Partly Cloudy	Partly Sunny	Partly Cloudy then Patchy Fog	Area Fog then Chance Showers	Chance Showers	Partly Sunny then Chance Showers	Slight Chance Showers	Sunny then Slight Chance Showers
High: 86°F	Low: 71°F	High: 86°F	Low: 70°F	High: 82°F	Low: 67°F	High: 77°F	Low: 66°F	High: 79°F






Special Marine Warning - Auto-tweet


Special Marine Warning

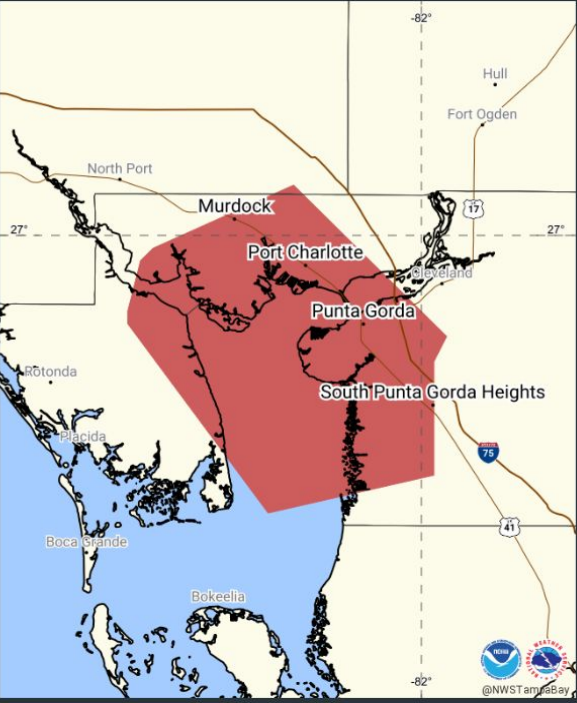

Valid Until
3:45 PM EDT Friday
June 5, 2020



Threat Information

-  **WIND**
Greater than 34KTS
-  **HAIL**
No Hail
Expected
-  **WATERSPOUT**
Not expected

Safety Information

-  **Steep Waves**
Seek safe harbor
Take protective actions



 
@NWSTampaBay



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/>

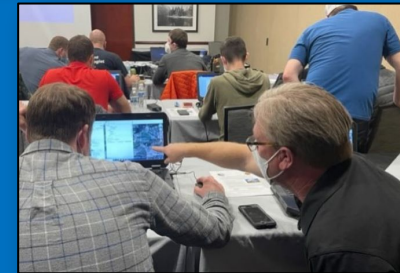




Weather-Ready Nation Ambassador



- 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



The screenshot shows the National Weather Service (NWS) website for the Weather-Ready Nation (WRN) Marine Ambassador program. The page is titled "WRN Marine Ambassador" and includes a navigation menu with links for Weather Hazards, Safety Campaigns, Ambassador, Education, Collaboration, News & Events, International, and About. The main content area is divided into several sections: "Welcome to the Weather-Ready N product changes, discover opporti marine organizations to become helping to build a 'Marine-Weather'", "Event Calendar" (listing "Mariners Decision Makers" and "National Safe Boating Week"), "Marine Ambassador Toolkit" (with a red box around the "Marine" link), "Forecasts" (with "National Weather Service (NWS) Atlantic Analysis" and "NWS Pacific Analysis"), and "Virtual Training Modules" (listing "General Marine Weather Products and Services", "General Marine Weather Uncertainty and Observations", "Tropical Cyclone Products", and "Tropical Cyclone Uncertainty"). There is also a "Success Stories" section and a "Comprehensive Documents" section with a "QPC Product Guide" link.

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





Weather-Ready Nation **Marine** Ambassador



- About WRN Ambassadors
- Become an Ambassador
- Ambassadors of Excellence
- People of WRN
- FAQS
- Tell Your Success Story
- Success Stories
- Tri-fold
- Aviation
- Marine**
- Current Ambassadors
- Brochure
- En Español

NATIONAL WEATHER SERVICE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

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

Welcome to the Weather-Ready Nation product changes, discover opportunities for maritime organizations to become helping to build a "Marine-Weather-Ready Nation".

- For more information, view the [Marine Ambassador Handbook](#)
- Email: wrn.feedback@noaa.gov
- Twitter: [@WRNambassadors](#)
- [Marine Forecast Areas](#)

Event Calendar

- Mariners Decision Makers**
Mar 15-17, 2022
[Register](#)
- National Safe Boating Week**
May 17-21, 2022

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
- NOAA Precision Marine Navigation

Comprehensive Documents

- OPC Product Guide

<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



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 website. 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: [@WRNambassadors](#)
- [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



MIDDLE SECTION

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



The screenshot shows the 'WRN Marine Ambassador' webpage. At the top, it features the NOAA logo and the text 'NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'. Below this is a navigation menu with links for 'Weather Hazards', 'Safety Campaigns', 'Ambassador', 'Education', 'Collaboration', 'News & Events', 'International', and 'About'. A red arrow points to the 'Event Calendar' section, which lists two events: 'Mariners Decision Makers' Workshop' (Mar 15-17, 2022) and 'National Safe Boating Week' (May 17-27, 2022). Other sections include 'Marine Ambassador Toolkit', 'Forecasts' (with maps for Atlantic and Pacific), 'Virtual Training Modules', 'Additional Data and Resources', and 'Comprehensive Documents'.

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



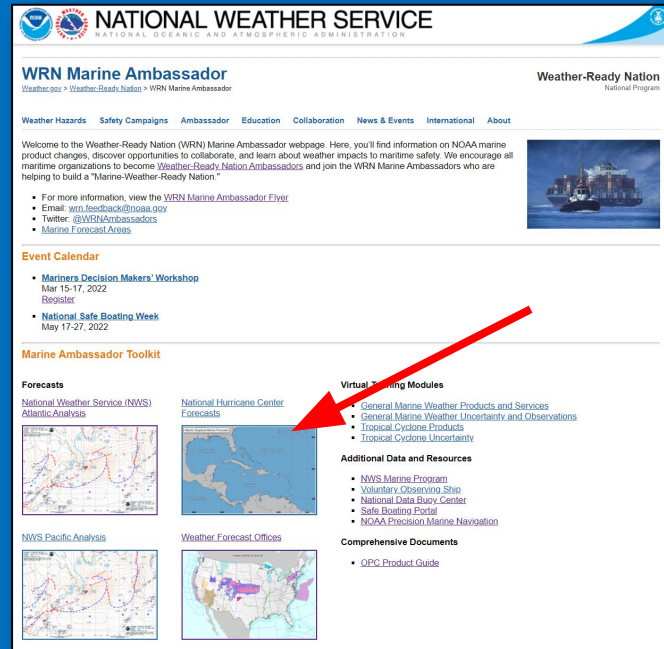


Weather-Ready Nation **Marine** Ambassador



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



<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>

The screenshot shows the 'WRN Marine Ambassador' webpage. The page header includes the National Weather Service logo and the text 'NATIONAL WEATHER SERVICE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION'. Below the header, there is a navigation menu with links for 'Weather Hazards', 'Safety Campaigns', 'Ambassador', 'Education', 'Collaboration', 'News & Events', 'International', and 'About'. The main content area features a welcome message, a list of contact information (including a feedback email, Twitter handle, and Marine Forecast Areas), an 'Event Calendar' with upcoming events like 'Mariners Decision Makers' Workshop' and 'National Safe Boating Week', and a 'Marine Ambassador Toolkit'. The 'Forecasts' section includes links to 'National Weather Service (NWS) Atlantic Analysis', 'National Hurricane Center Forecasts', 'NWS Pacific Analysis', and 'Weather Forecast Offices'. The 'Virtual Training Modules' section lists 'General Marine Weather Products and Services', 'General Marine Weather Uncertainty and Observations', 'Tropical Cyclone Products', and 'Tropical Cyclone Uncertainty'. The 'Additional Data and Resources' section, highlighted by a red arrow, includes 'NWS Marine Program', 'Voluntary Observing Ship', 'National Data Buoy Center', 'Safe Boating Portal', and 'NOAA Precision Marine Navigation'. The 'Comprehensive Documents' section lists the 'OPC Product Guide'. A small image of a ship is visible in the top right corner of the webpage.

Thank you! Questions?



Darren Wright
National Marine Program Manager

darren.wright@noaa.gov

(202) 936-5993