

Condiciones Costeras en Puerto Rico

Guía para Nautas



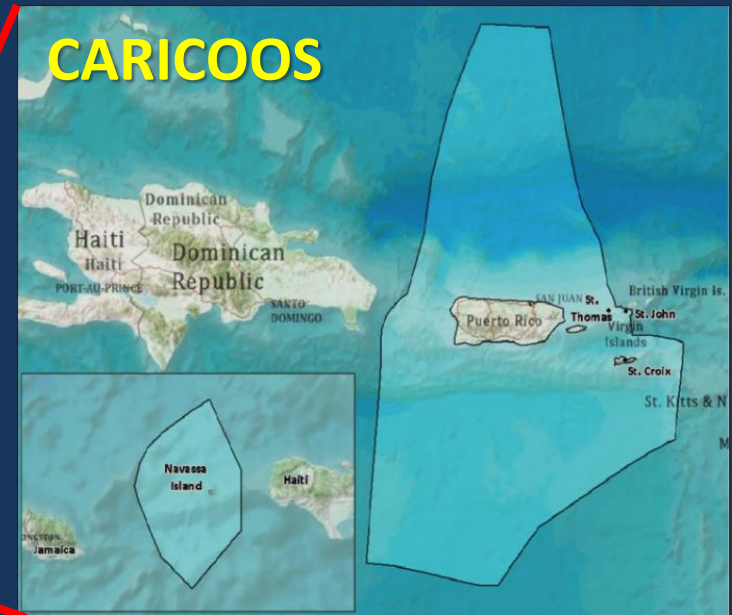
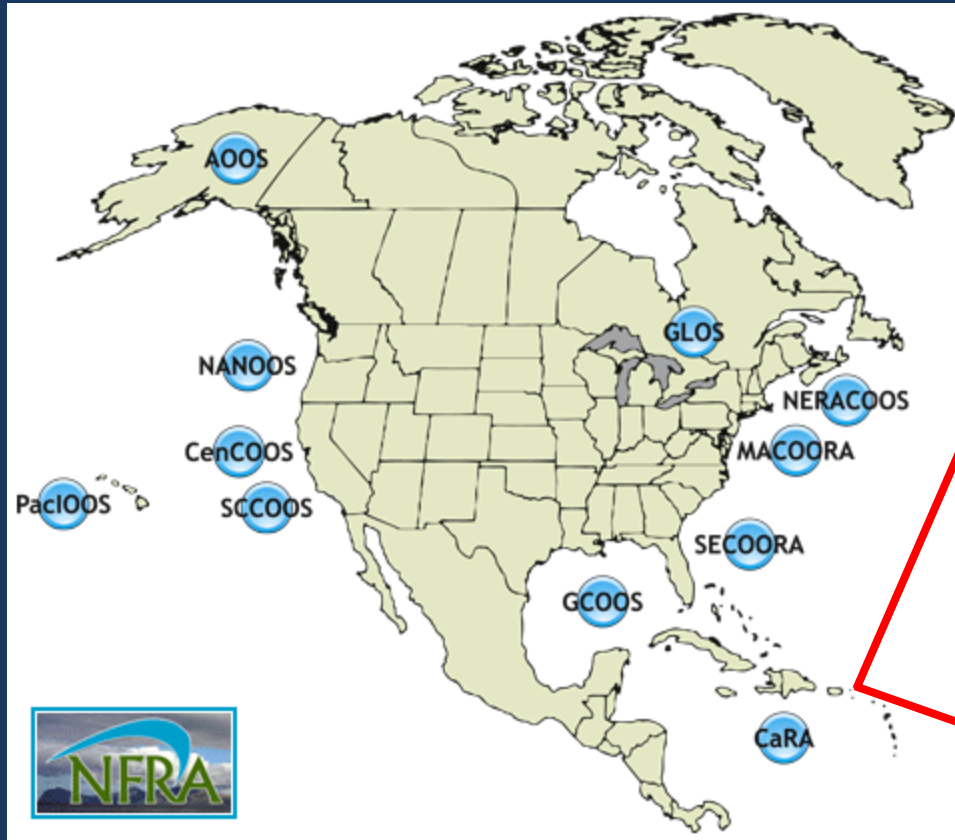
Sistema Caribeño de Observación Costera Oceánica



CARICOOS



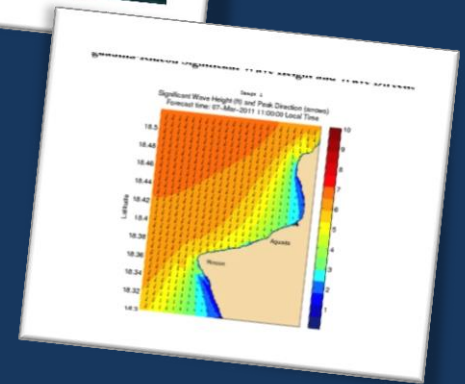
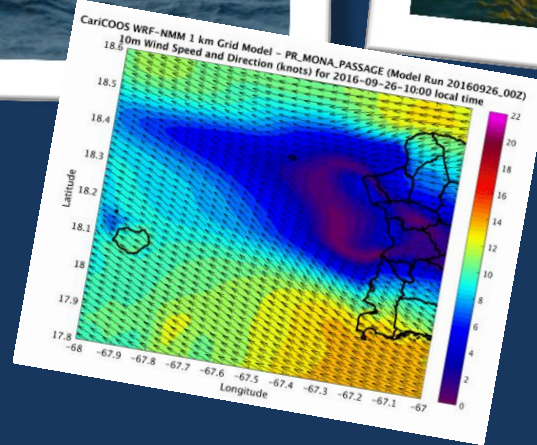
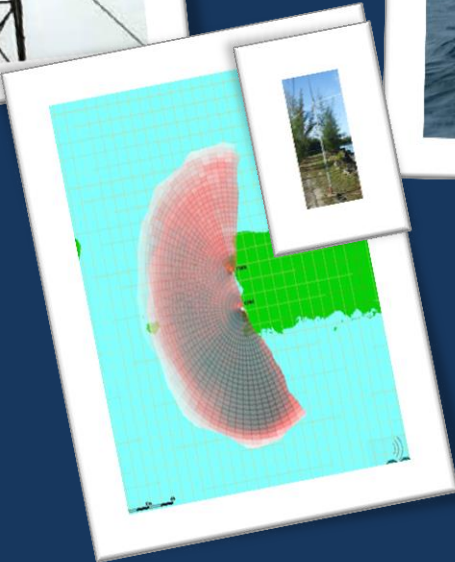
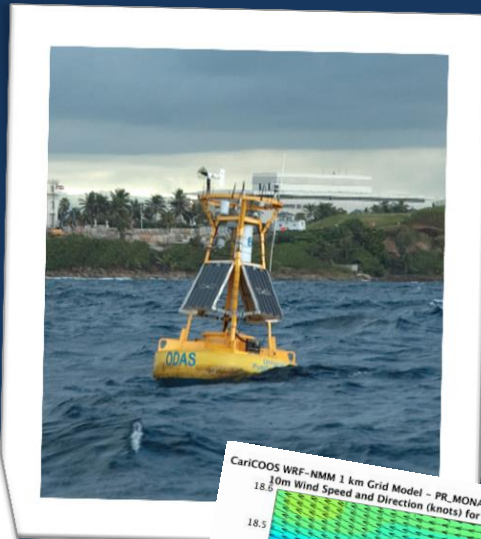
Sistemas de Observación Costeros



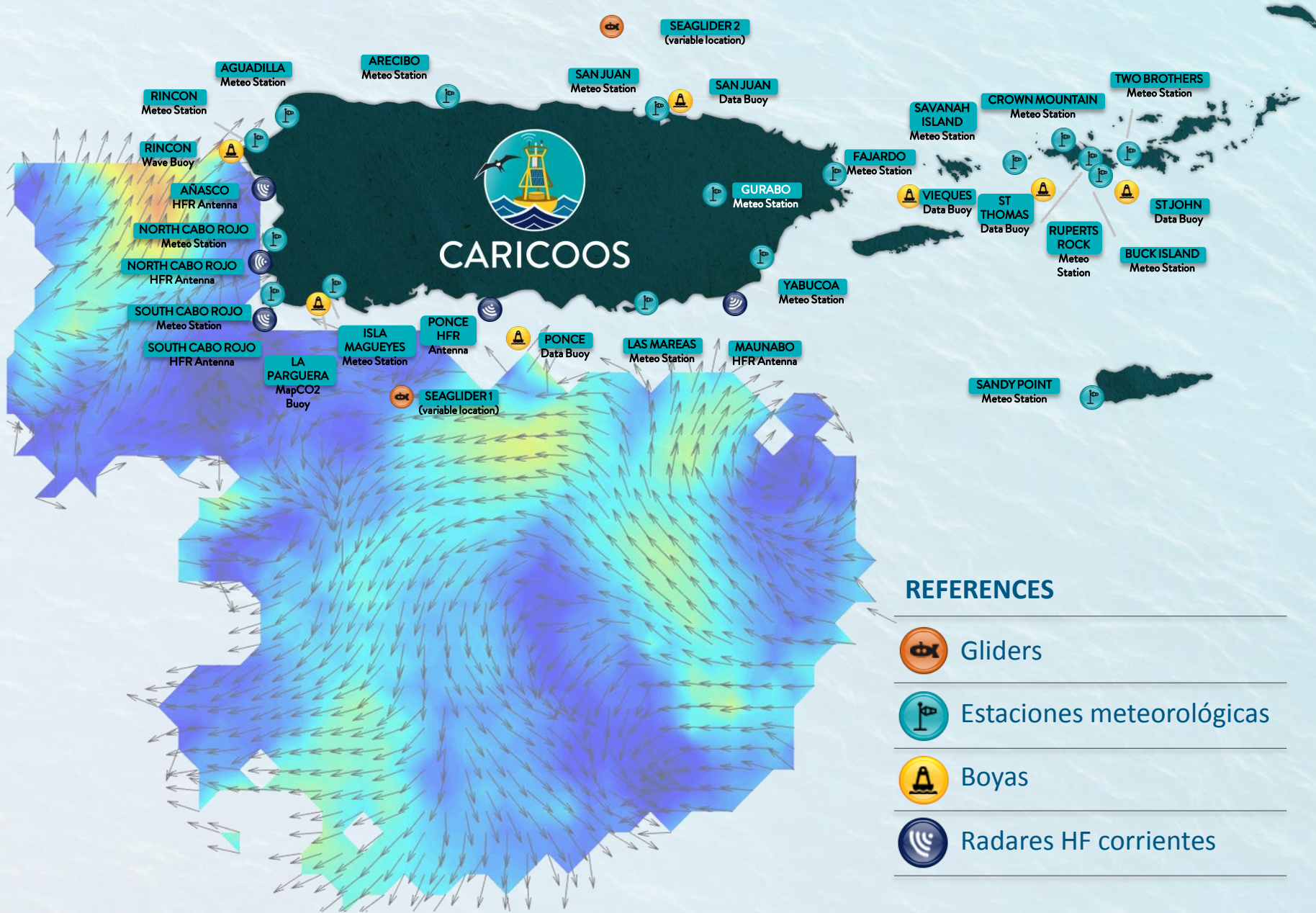
Red de 11 sistemas para satisfacer las necesidades regionales de información costera

Qué es CARICOOS?

Red de instrumentos (boyas, estaciones meteorológicas, radares, satélites) e infraestructura de comunicación para hacer observaciones y apoyar pronósticos de las condiciones costeras en Puerto Rico e Islas Vírgenes estadounidenses (St. Thomas, St. Croix, St. John).

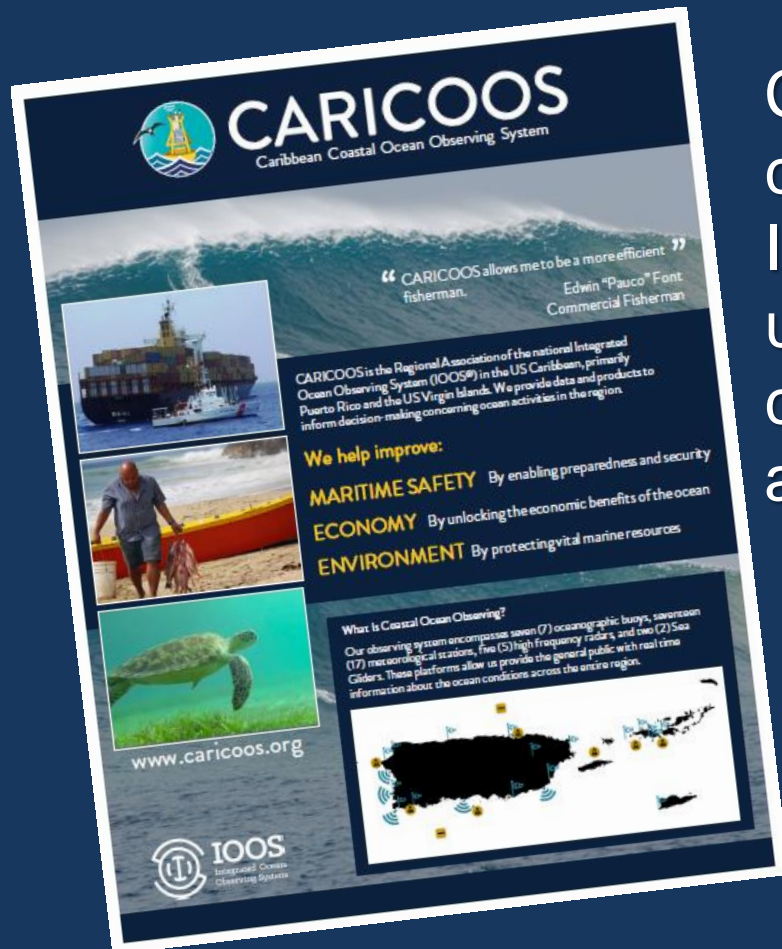


OBSERVACIONES



CARICOOS...

Apoyando la seguridad en la navegación



CARICOOS
Caribbean Coastal Ocean Observing System

“ CARICOOS allows me to be a more efficient ”
fisherman. Edwin “Pauco” Font
Commercial Fisherman

CARICOOS is the Regional Association of the national Integrated Ocean Observing System (IOOS®) in the US Caribbean, primarily Puerto Rico and the US Virgin Islands. We provide data and products to inform decision-making concerning ocean activities in the region.

We help improve:

- MARITIME SAFETY** By enabling preparedness and security
- ECONOMY** By unlocking the economic benefits of the ocean
- ENVIRONMENT** By protecting vital marine resources

What is Coastal Ocean Observing?
Our observing system encompasses seven (7) oceanographic buoys, seven (17) meteorological stations, five (5) high frequency radar, and two (2) Sea Gliders. These platforms allow us provide the general public with real time information about the ocean conditions across the entire region.

www.caricoos.org

IOOS
Integrated Ocean Observing System

Capacitación de usuarios de la costa en la región de Puerto Rico e Islas Vírgenes para interpretar y utilizar la información de clima costero disponible de manera apropiada.

Usuarios de CARICOOS



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Que debo hacer antes de salir a navegar?

Visitar la pagina www.CARICOOS.org

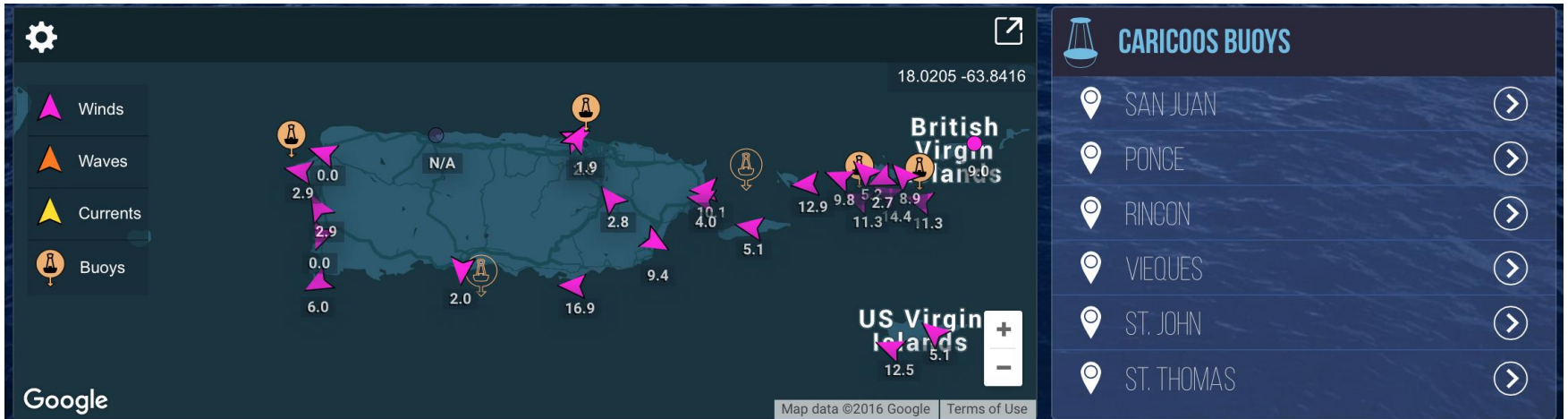


- 1** Consultar el pronóstico marítimo costero del Servicio Nacional de Meteorología (información oficial) para la región de interés.
- 2** Utilizando el mapa de condiciones de vientos de CARICOOS, obtener la información actualizada de velocidad y dirección de viento a tiempo real así como pronósticos.
- 3** Utilizando el mapa de olas de CARICOOS, evaluar los datos de altura y dirección de olas a tiempo real así como pronósticos del modelo y puntuales.



CARICOOS

1 SELECCIONE MARINE OPERATIONS



OBSERVATION & FORECASTS



WINDS



WAVES



TIDES & CURRENTS



OCEAN COLOR & SST

DECISIONAL SUPPORT TOOLS



MARINE OPERATIONS



COASTAL HAZARDS



CLIMATE VARIABILITY



ECOSYSTEMS & WATER QUALITY



CARICOOS

1 SELECCIONA MARINE OPERATIONS: PRONOSTICO MARINO

The screenshot shows the CARICOOS website interface. At the top, there's a navigation bar with links to 'Most Visited', 'Please Login - Panthe...', 'Gmail', 'Yahoo - login', 'Google Maps', 'University of Puerto Ri...', 'Caricoos Webmail :: ...', and 'YouTube'. Below this is the CARICOOS logo and the title 'MARINE OPERATIONS'. A sub-header reads: 'Explore the map below to find navigational tools for your region. You can also go to each of these products independently by navigating the side menu.' A welcome message says: 'Welcome to the new caricoos.org! For the previous version of the site use legacy.caricoos.org.'

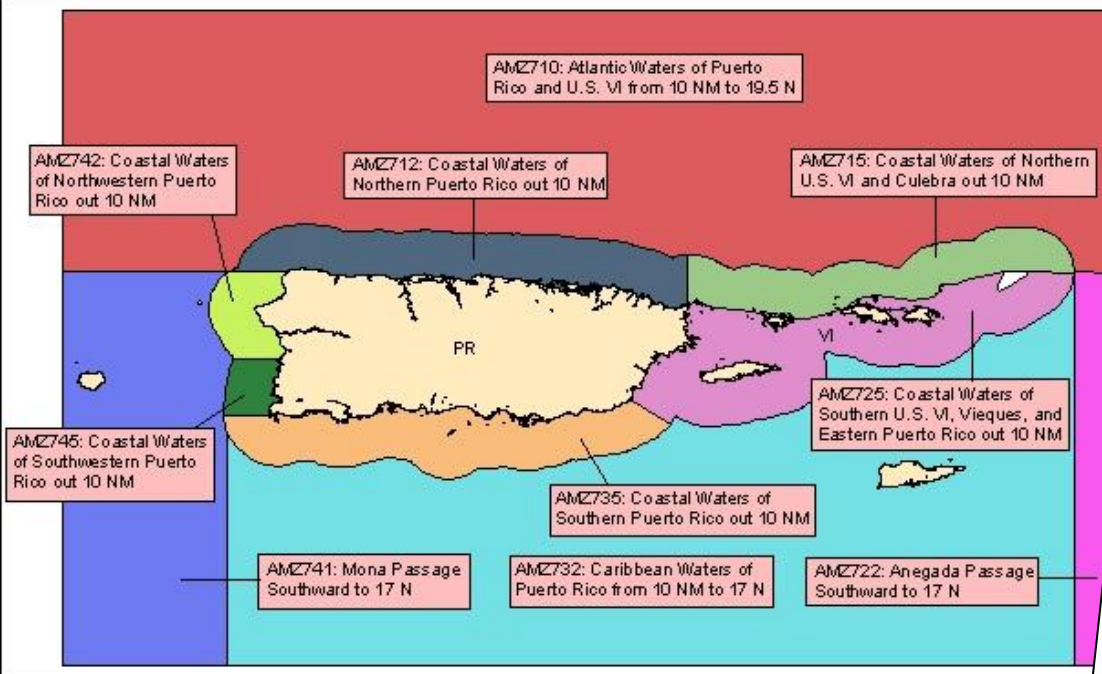
The main content area features a map of the Caribbean region with various data points. A sidebar menu on the left includes a 'LEGEND' section with icons for 'Tides', 'Buoys', 'Ports', 'Navigation', and 'Offshore'. A sidebar menu on the right, titled 'DECISIONA', lists several options: 'CARICOOS WAVE MO...', 'CARICOOS WAVE MODEL: C...', 'NWS MARINE FORECAST', 'CARICOOS 3 DAY WIND FORECAST (1KM RESOLUTION)', 'CARICOOS 5 DAY WIND FORECAST (2KM RESOLUTION)', 'CARICOOS HF RADAR SURFACE CURRENTS', 'YABUCOA PORT', 'SHIP TRACKER', 'AEROSOLS', and 'BUOYS'. A yellow callout bubble with the text 'Pronóstico Marítimo' points to the 'NWS MARINE FORECAST' option.

At the bottom of the page, there's a footer with the IOOS logo and text: 'IOOS | Integrated Ocean Observing System', '© 2016 CARICOOS', 'Regional Coastal Observing Systems', 'Disclaimer', 'facebook.com/CariCOOS', 'twitter.com/CariCOOS', 'Contact Us', and 'Join our newsletter!'.

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Pronóstico Marítimo (SNM-San Juan)

Información Oficial



The screenshot shows the NWS Marine Forecast page for AMZ700-240315-1021 AM AST MON JUL 23 2012. The page includes a synopsis for Puerto Rico and the U.S. Virgin Islands waters, a warning for small craft to exercise caution, and detailed forecasts for the rest of the day, tonight, Tuesday, Tuesday night, and Wednesday.

National Weather Service
NWS Marine Forecast

Local weather forecast by "City, St" or zip code City, St Go
Cell Phone Weather/Marine Page (wap) URL: cell.weather.gov
PDA Weather/Marine Page URL: mobile.weather.gov

AMZ700-240315-
1021 AM AST MON JUL 23 2012

.SYNOPSIS FOR PUERTO RICO AND THE U.S. VIRGIN ISLANDS WATERS...
SURFACE HIGH PRESSURE NORTH OF THE AREA WILL CONTINUE TO PRODUCE
FRESH TRADE WINDS THROUGH THURSDAY.

\$\$

AMZ735-240315-
COASTAL WATERS OF SOUTHERN PUERTO RICO OUT 10 NM-
1021 AM AST MON JUL 23 2012

SMALL CRAFT SHOULD EXERCISE CAUTION

REST OF TODAY
EAST WINDS 14 TO 19 KNOTS. SEAS 4 TO 5 FEET.
ISOLATED SHOWERS.

TONIGHT
EAST NORTHEAST WINDS 15 TO 20 KNOTS. SEAS 4 TO 5 FEET.
ISOLATED SHOWERS THROUGH THE NIGHT.

TUESDAY
EAST WINDS 15 TO 20 KNOTS. SEAS 4 TO 5 FEET. ISOLATED
SHOWERS IN THE MORNING...THEN ISOLATED THUNDERSTORMS IN THE
AFTERNOON.

TUESDAY NIGHT
EAST NORTHEAST WINDS 11 TO 16 KNOTS. SEAS 3 TO
4 FEET. ISOLATED THUNDERSTORMS IN THE EVENING...THEN ISOLATED
SHOWERS AFTER MIDNIGHT.

WEDNESDAY

Evaluar el pronóstico gráfico (Pronóstico Marítimo) del SNM (San Juan) para obtener la información oficial para tu región de interés. Pronóstico disponible para 10 regiones.

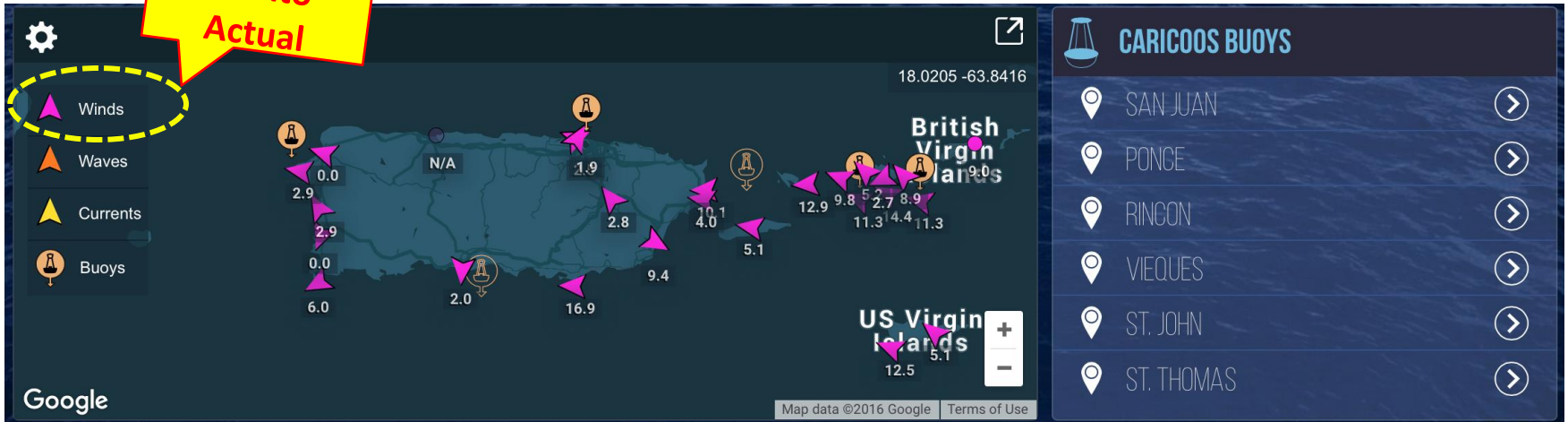


CARICOOS

2

VIENTO

Viento Actual



- ### CARICOOS BUOYS
- SAN JUAN
 - PONCE
 - RINGON
 - VIEQUES
 - ST. JOHN
 - ST. THOMAS

Pronóstico

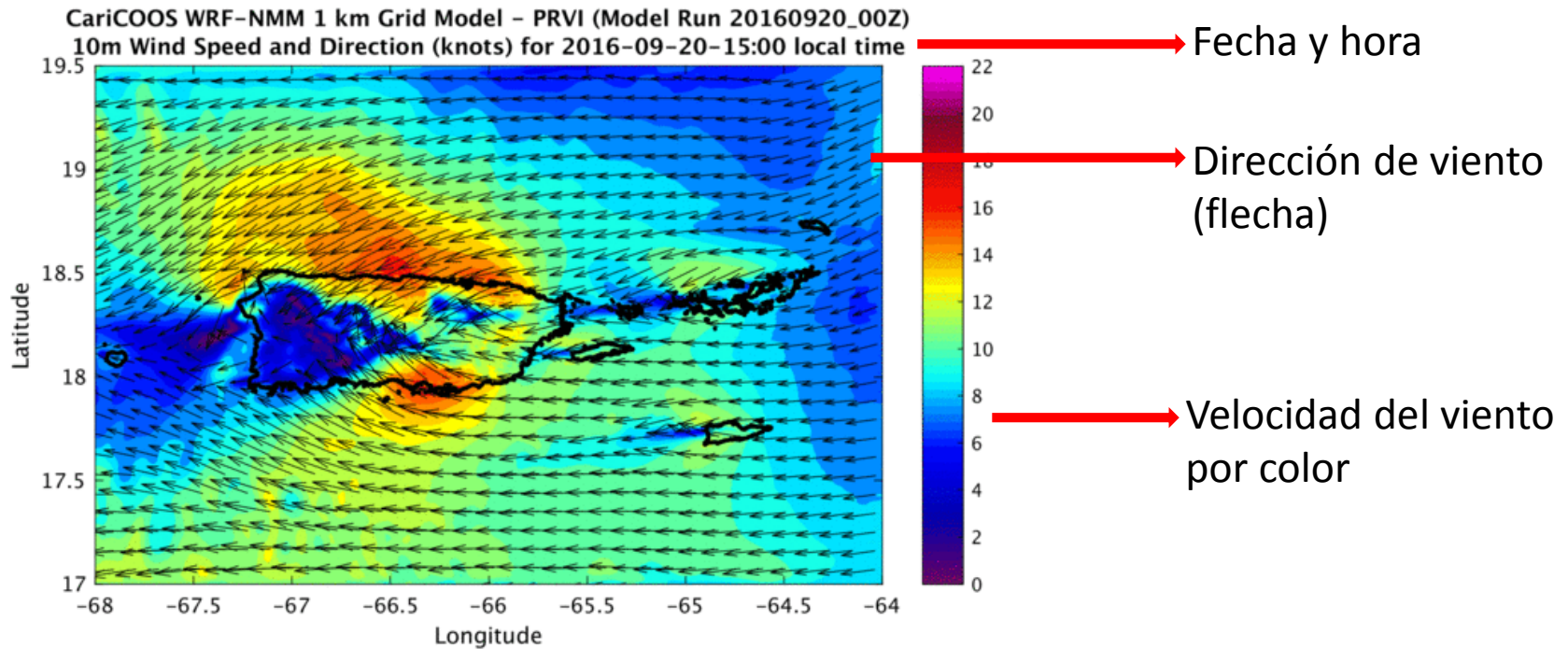
OBSERVATION & FORECAST		DECISIONAL SUPPORT TOOLS	
WINDS	WAVES	MARINE OPERATIONS	COASTAL HAZARDS
TIDES & CURRENTS	OCEAN COLOR & SST	CLIMATE VARIABILITY	ECOSYSTEMS & WATER QUALITY



CARICOOS

2

PRONOSTICOS DE VIENTO: CARICOOS WRF





CARICOOS

3 OLAS

The screenshot displays the CARICOOS website interface. At the top, there is a navigation bar with the CARICOOS logo and a hamburger menu icon. Below the navigation bar, a teal banner contains the text: "Sep 20 (Puerto Rico) Welcome to the new caricoos.org beta version! For the previous version of the site use legacy.caricoos.org".

The main content area is divided into several sections:

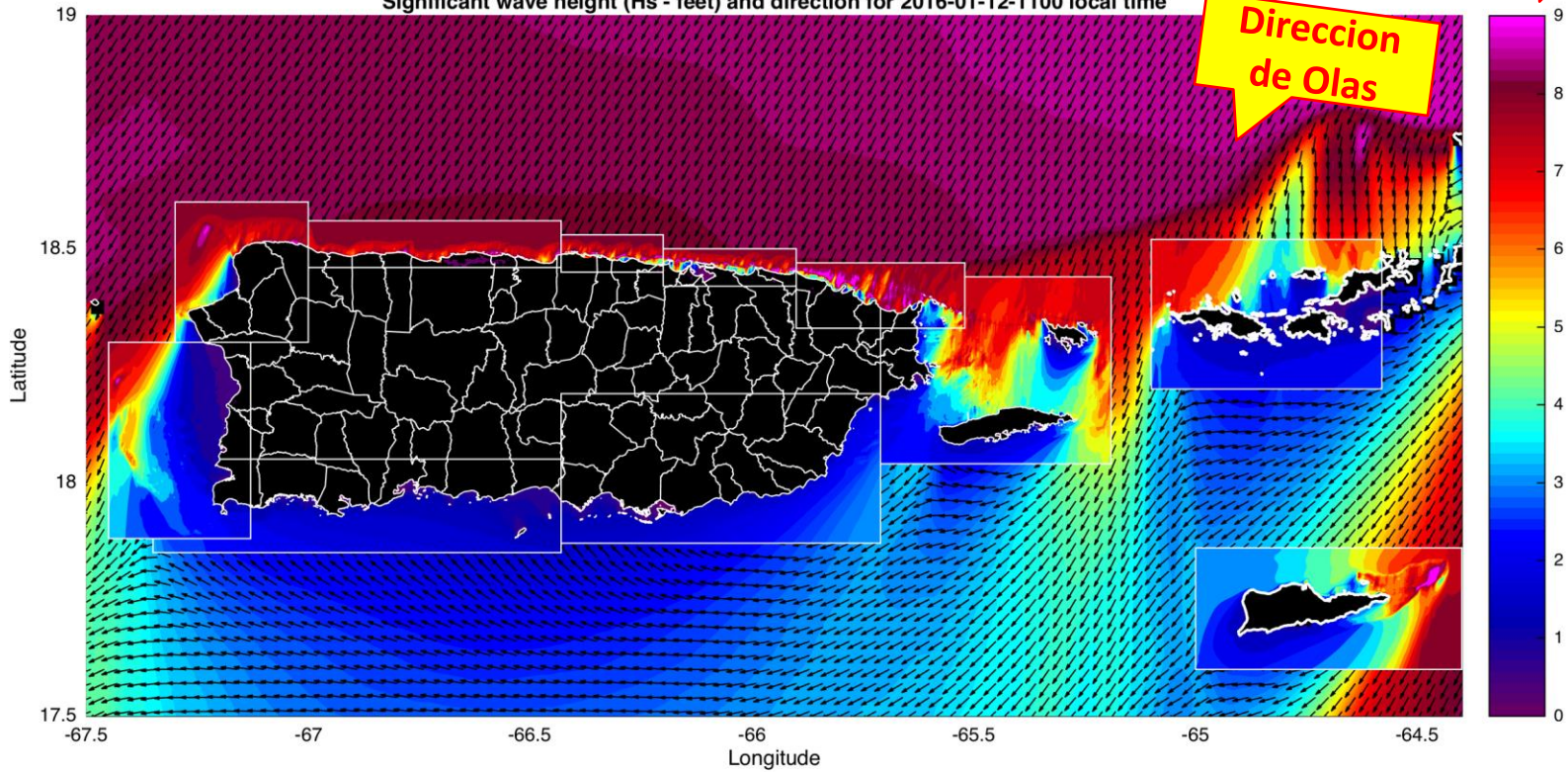
- Map:** A map of the Caribbean region showing wave data points. A yellow callout bubble labeled "Olas" points to the "Waves" marker in the legend on the left. The map shows wave heights of 3.0, 3.0, 2.6, and 2.3. The "British Virgin Islands" and "US Virgin Islands" are labeled on the map.
- HURRICANE SEASON:** A dark blue panel with a white hurricane icon and the text "HURRICANE SEASON".
- CARICOOS BUOYS:** A dark blue panel with a white buoy icon and the text "CARICOOS BUOYS". Below this are five location entries: SAN JUAN, PONCE, RINCON, VIEQUES, and ST. JOHN, each with a location pin icon and a right-pointing arrow.
- Navigation Menu:** A dark blue panel at the bottom with the text "OBSERVATION & FORECASTS" and "PORT TOOLS". It contains eight categories: WINDS, WAVES (circled in yellow with a callout bubble labeled "Pronóstico"), TIDES & CURRENTS, OCEAN COLOR & SST, MARINE OPERATIONS, CLIMATE VARIABILITY, COASTAL HAZARDS, and ECOSYSTEMS & WATER QUALITY.



CARICOOS

3 PRONÓSTICOS DE OLAS: CARICOOS-SWAN

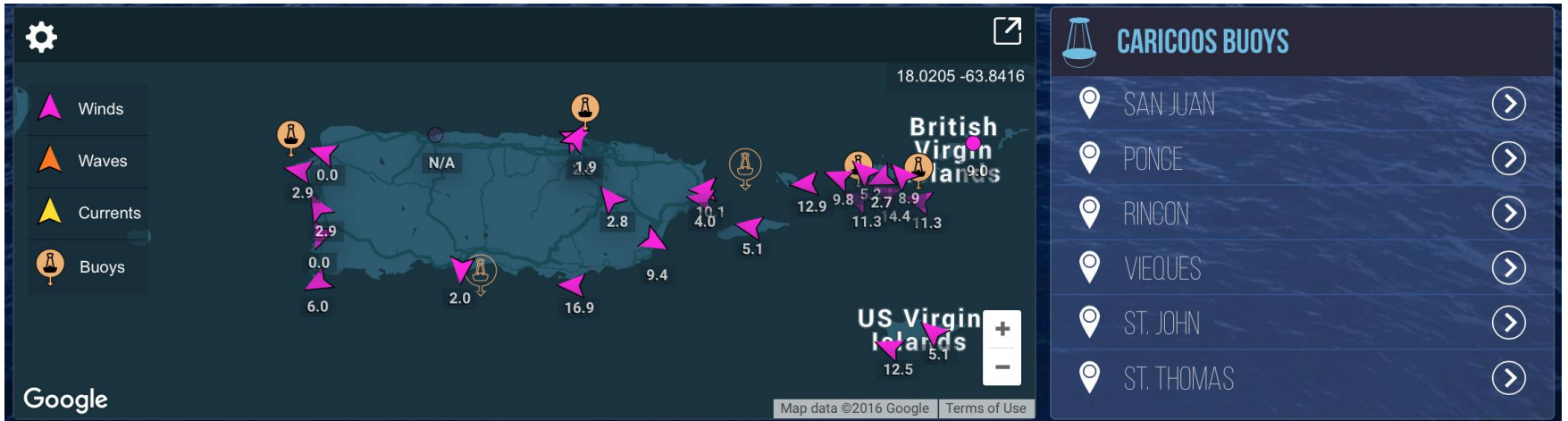
CariCOOS Nearshore Wave Model v7.0 (run: 20160112.1200 machine:swanwrf)
Significant wave height (Hs - feet) and direction for 2016-01-12-1100 local time





CARICOOS

OPERACIONES MARINAS



OBSERVATION & FORECASTS



WINDS



WAVES



TIDES & CURRENTS



OCEAN COLOR & SST

DECISIONAL SUPPORT TOOLS



MARINE OPERATIONS



COASTAL HAZARDS



CLIMATE VARIABILITY



ECOSYSTEMS & WATER QUALITY



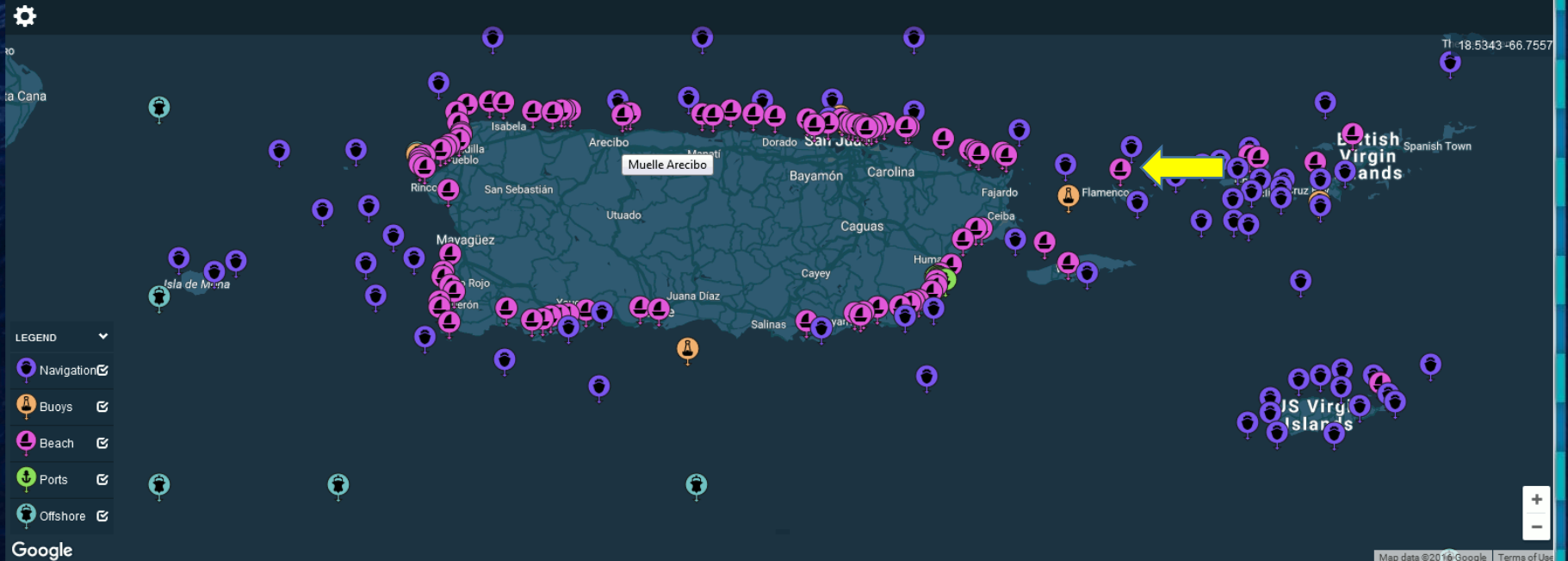
CARICOOS

OPERACIONES MARINAS



CARICOOS WAVE MODEL: SEA STATE POINT FORECASTS

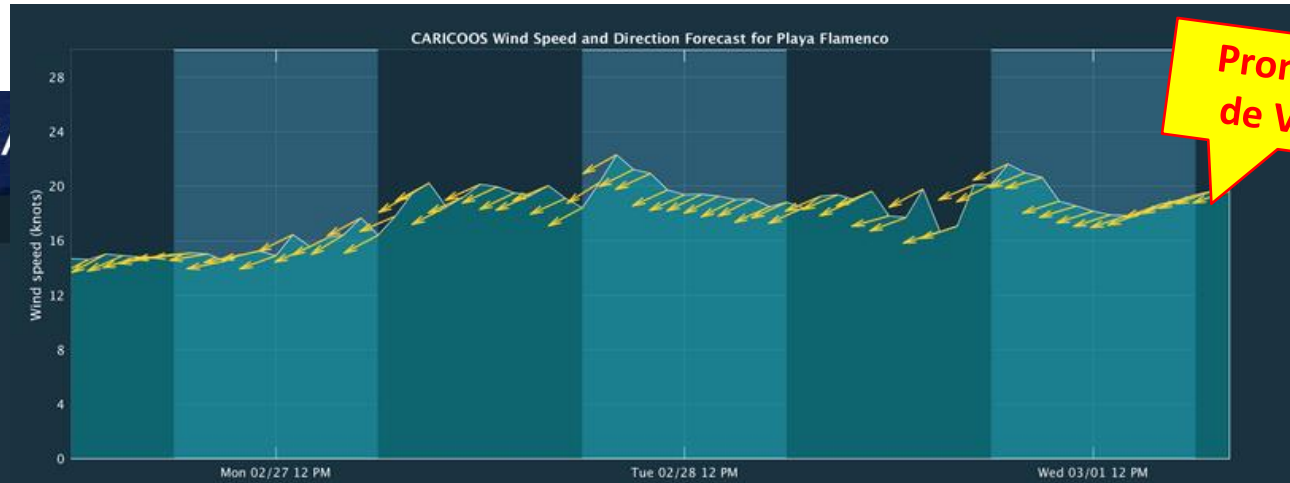
The map below provides site-specific forecasts from the CARICOOS Wave Model and from the NOAA WaveWatch III wave model. This data should be interpreted within the ...



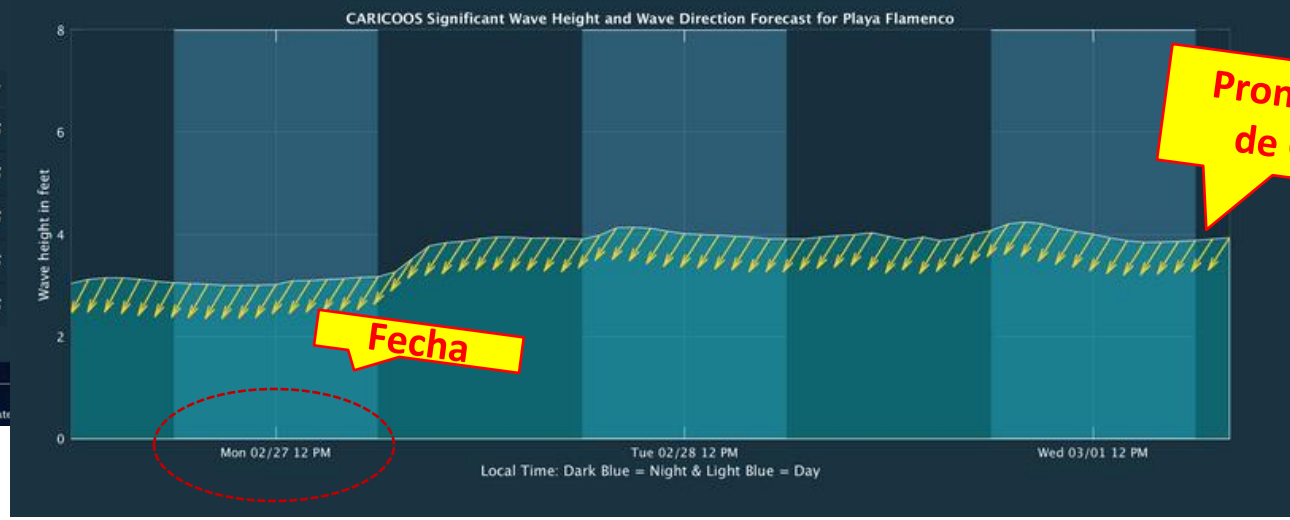


CARICOOS

OPERACIONES MARINAS: PRONÓSTICOS PUNTUALES

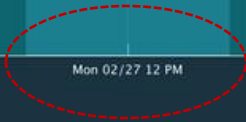


Pronóstico de Viento



Pronóstico de Olas

Fecha



- Settings icon
- Navigation icon
- Buoys icon
- Beach icon
- Ports icon
- Offshore icon
- Google logo
- IOOS logo

British Virgin Islands

Spanish Town

TI -18.5343 -66.7557



CARICOOS

Gracias