NANOOS Visualization System (NVS) Boaters App

Using Networked Ocean Observing Data to Plan a Safe Trip

Rachel Wold NANOOS Education and Outreach



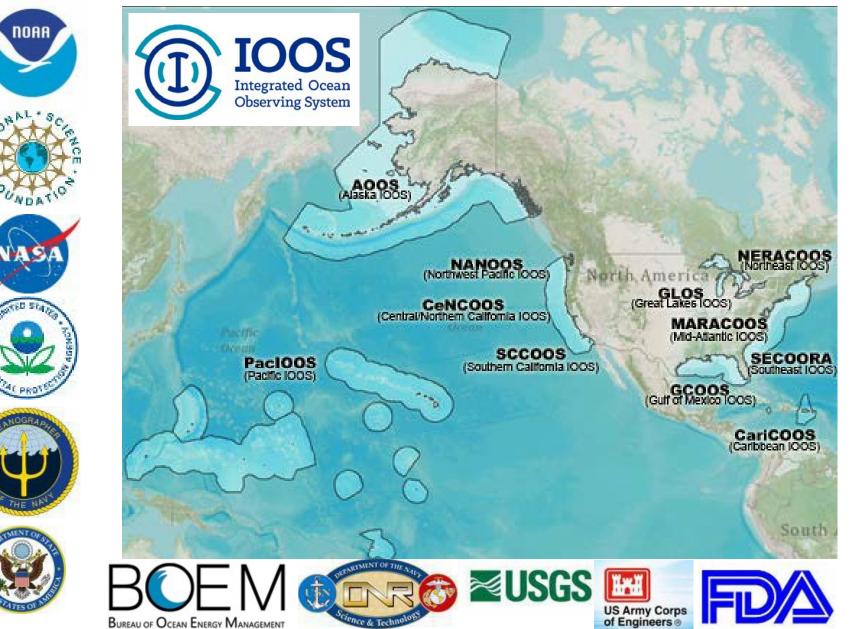


Coastal IOOS:

17 Federal Agencies; 11 Regional Associations

CSREES

E USDA



Northwest Association of Networked Ocean Observing **Systems** (NANOOS)

Started by defining the region, the users, their needs:

Coastal ocean:

Northern extent of California Current Winds, topography, freshwater input, ENSO & other climate cycles

Major inland basins:

Puget Sound-Georgia Basin, Columbia River Urban centers, nearshore development, climate variation

Coastal estuaries:

Willapa Bay, Grays Harbor, Yaquina Bay, Coos Bay, +20 Resource extraction, development, climate

Shorelines:

Rocky to sandy, dynamic: storms, erosion Winds, development, climate

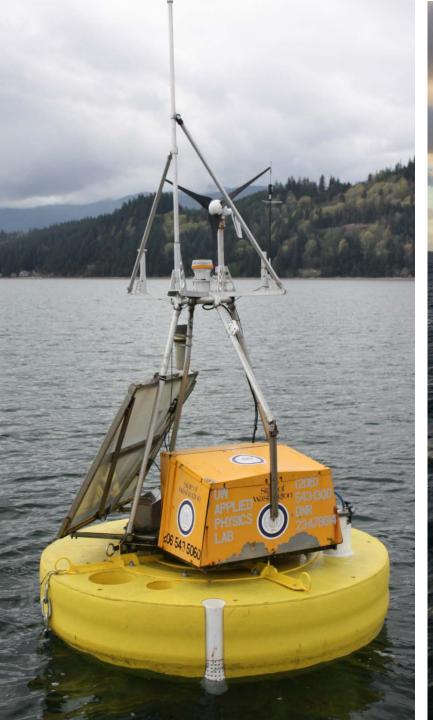
Major rivers:

Columbia River (~75% FW input to Pacific from US WC) many rivers (e.g., Fraser, Skagit) via Strait Juan de Fuca Dredging, water regulation, climate change

NANOOS Region User Groups:

Maritime: shipping, oil transport/spill remediation Fisheries: salmon, shellfish, crab, groundfish, aquaculture Environmental management: HABs, hypoxia Shoreline: erosion, inundation Hazards: Search and rescue, national security Educators: formal, informal, research Marine recreation: boating, surfing, diving







(D) IOOS | Integrated Ocean Observing System

Newsletter

- NANOOS-

Welcome to NANOOS, the Northwest Association of Networked Ocean Observing Systems. NANOOS is part of IOOS and provides information and products related to meather and ocean data.

NANOOS Visualization System

NVS provides easy access to observations, forecasts, data, and visualizations.

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Boating Season is Here!

Plan your next trip using the NVS Boaters App, which offers features like current sea and weather conditions, tide and currents forecasts, and marina information to keep you informed before you go out. Use the new routing capability over NOAA nautical charts to safely plot your course, then log in to save your routes for another time.

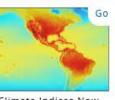
Demo

Check out the following article from Three Sheets Northwest which highlights some of these features.

Visit the NVS Boaters App

Three Sheets Northwest Article

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Climate Indices Now Available on NVS



Boating Season is Here!



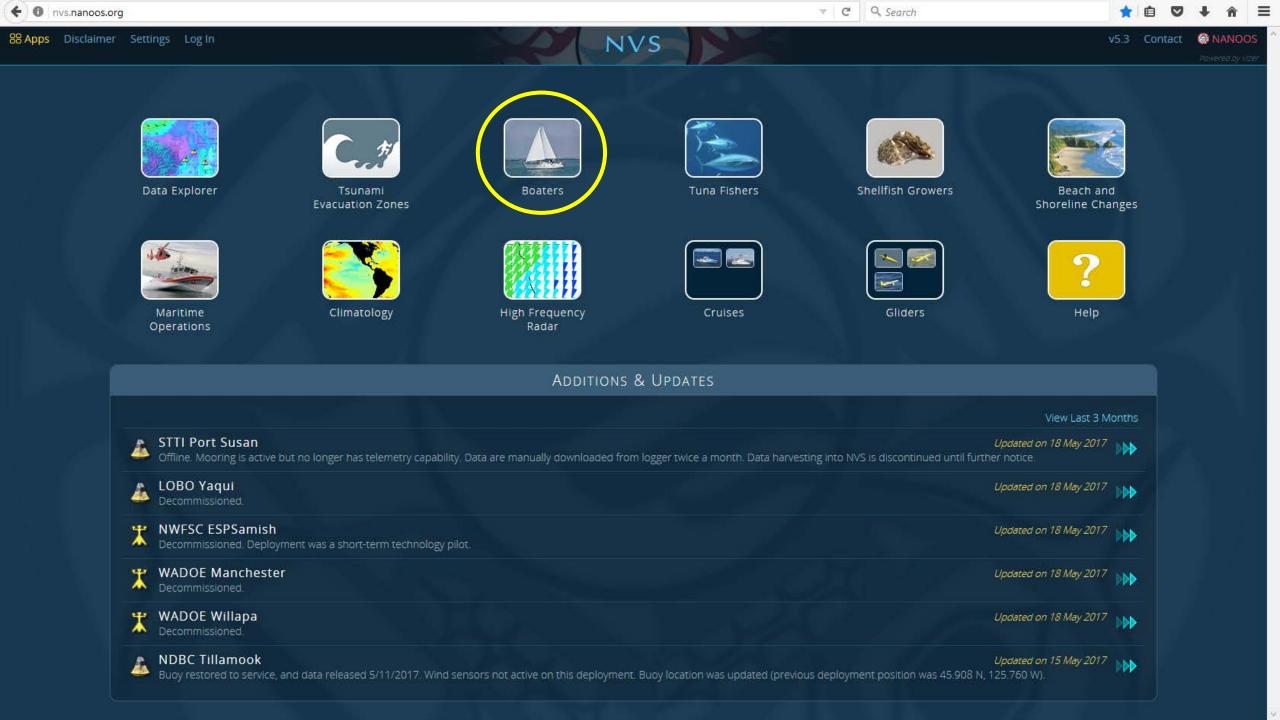
How Typical are Current Conditions?

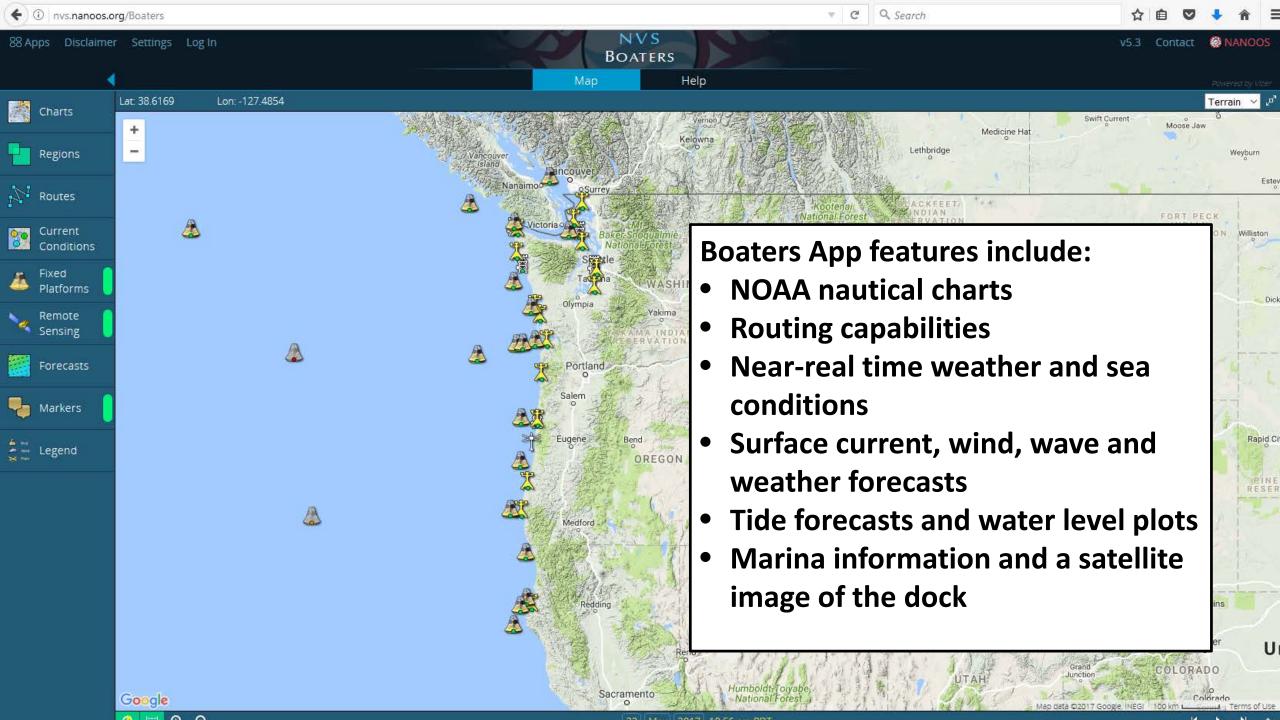


NANOOS Participates in NOAA Hydrographic Services Review Panel



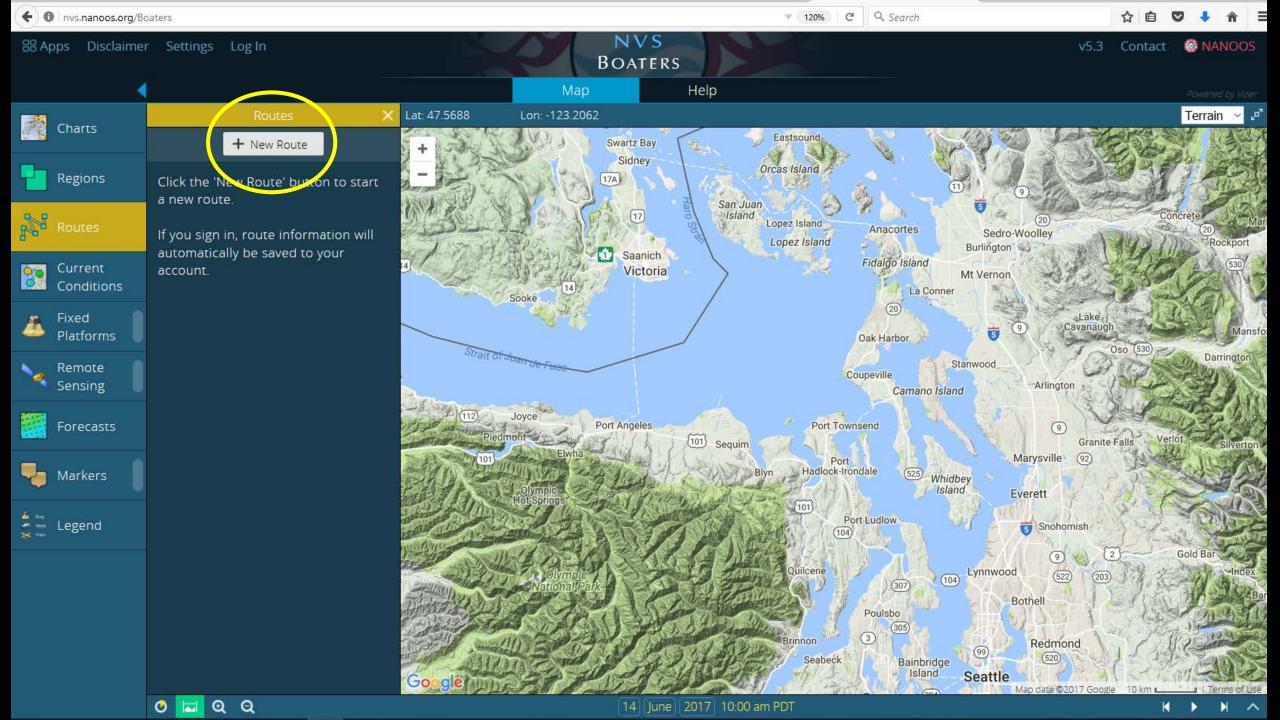
New Publications Feature NANOOS PIs, Data, and Information

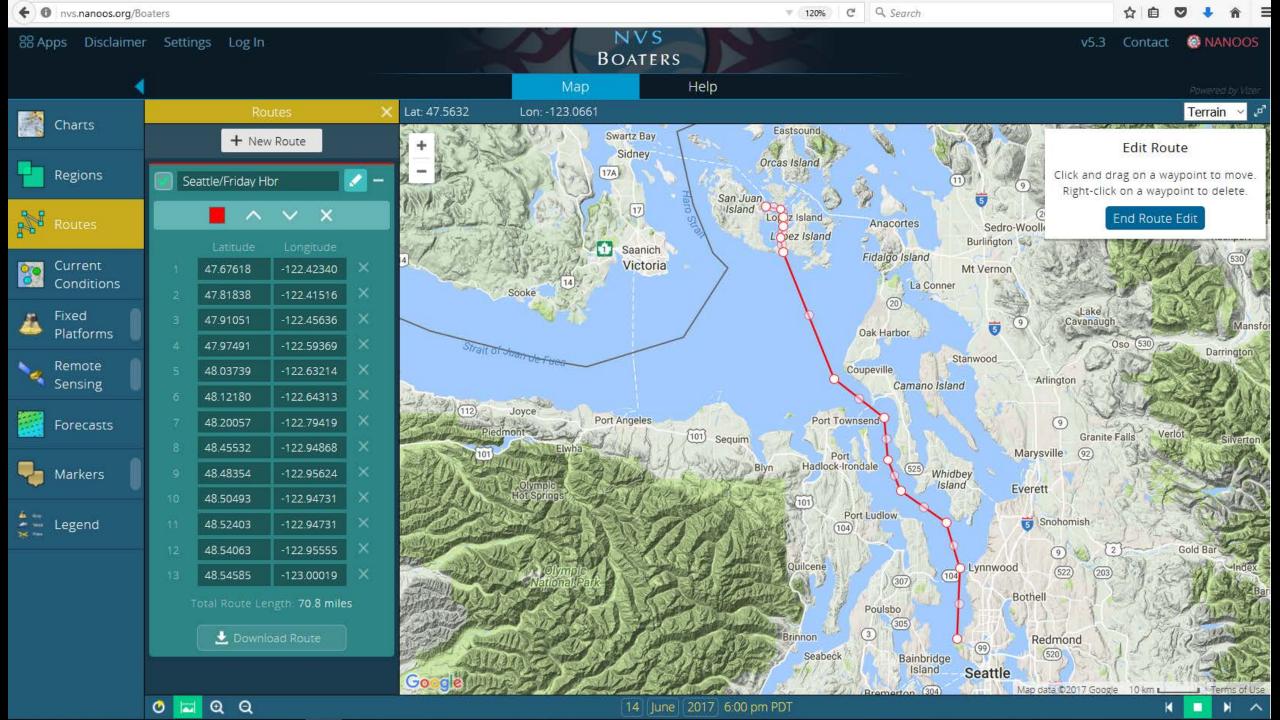


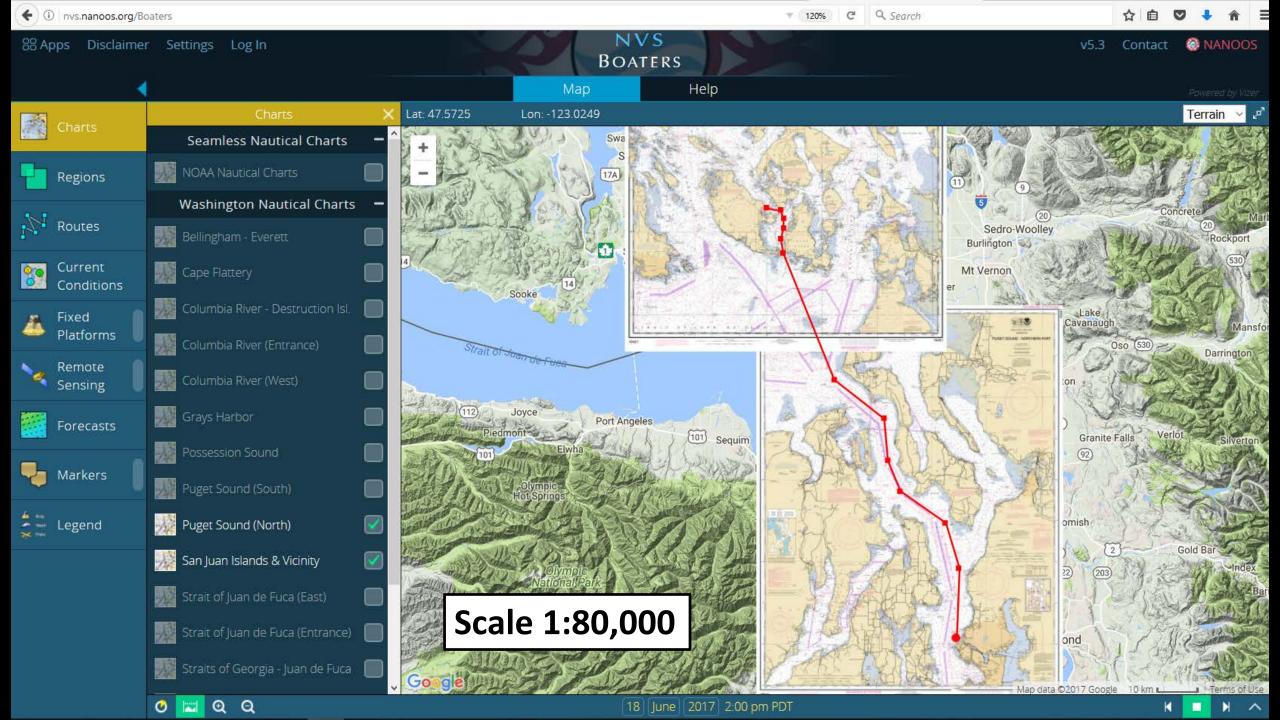


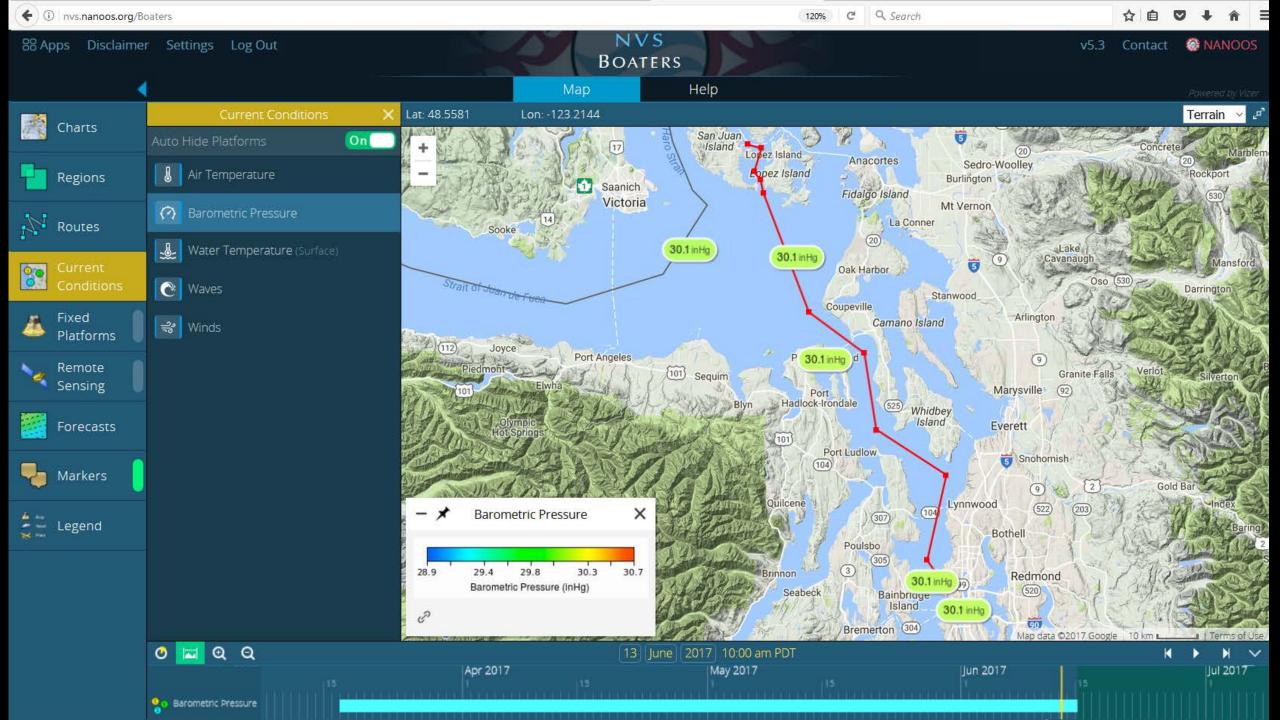
Let's plan a trip!

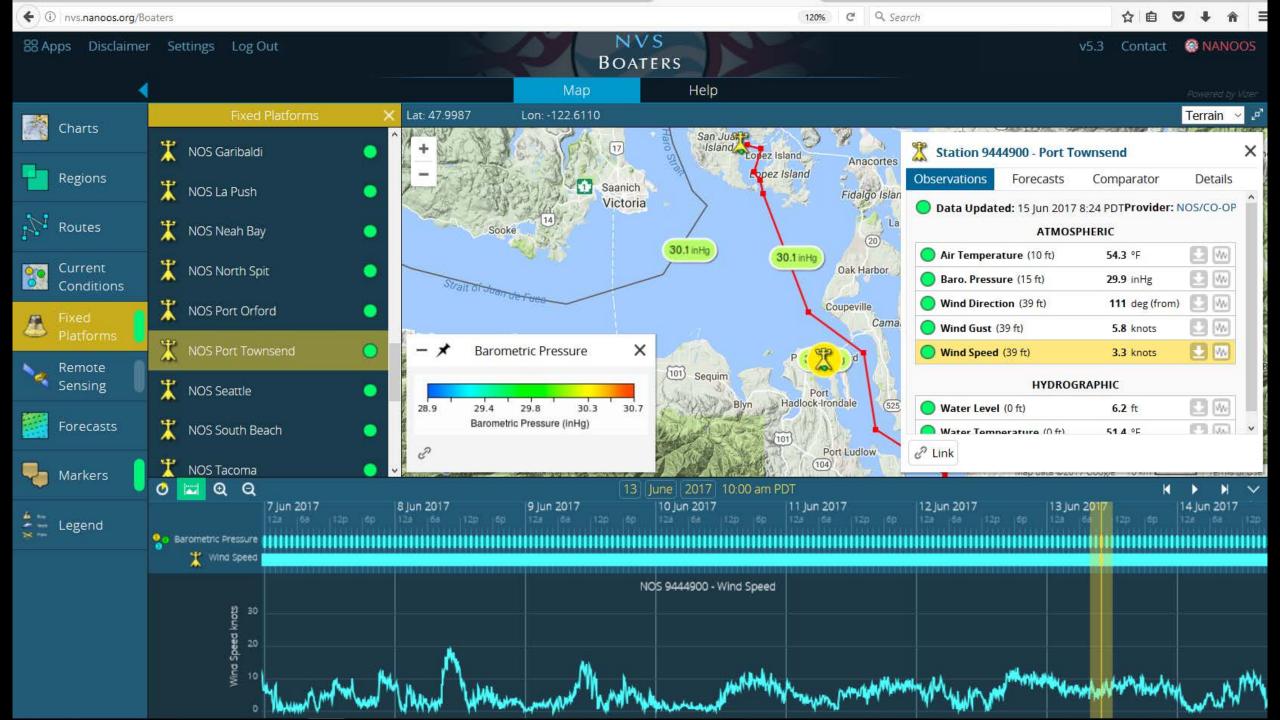


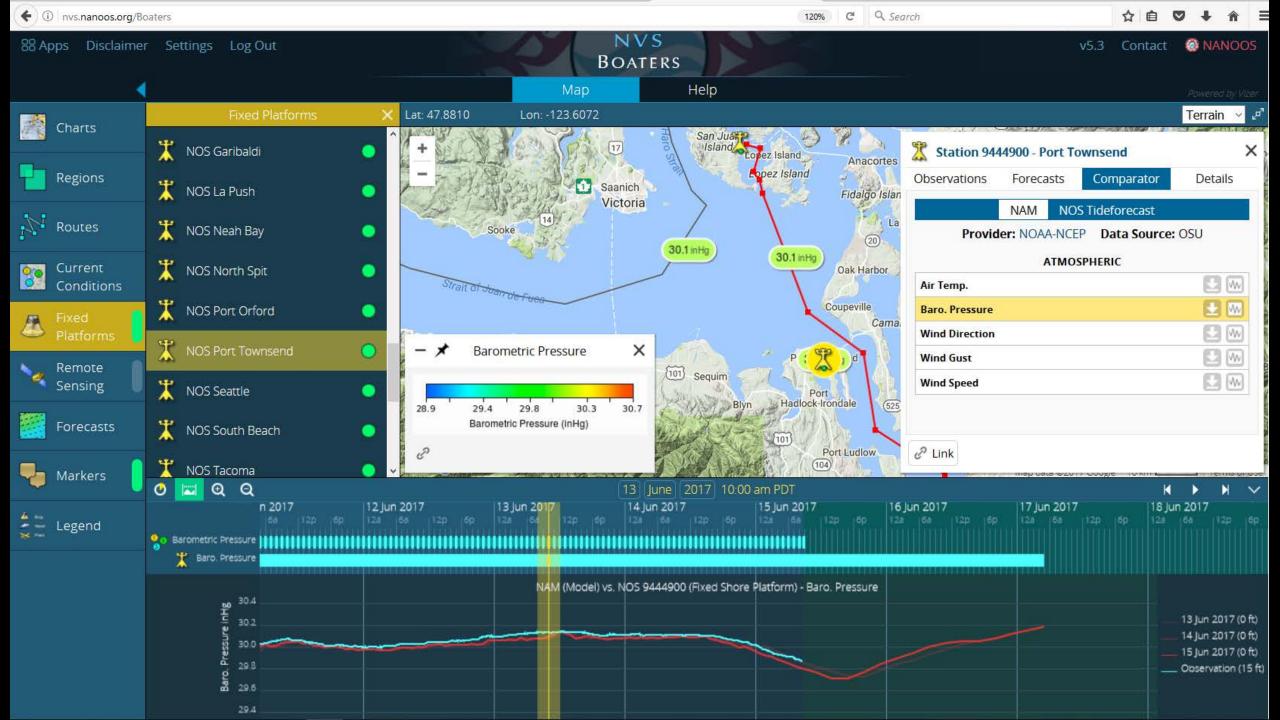


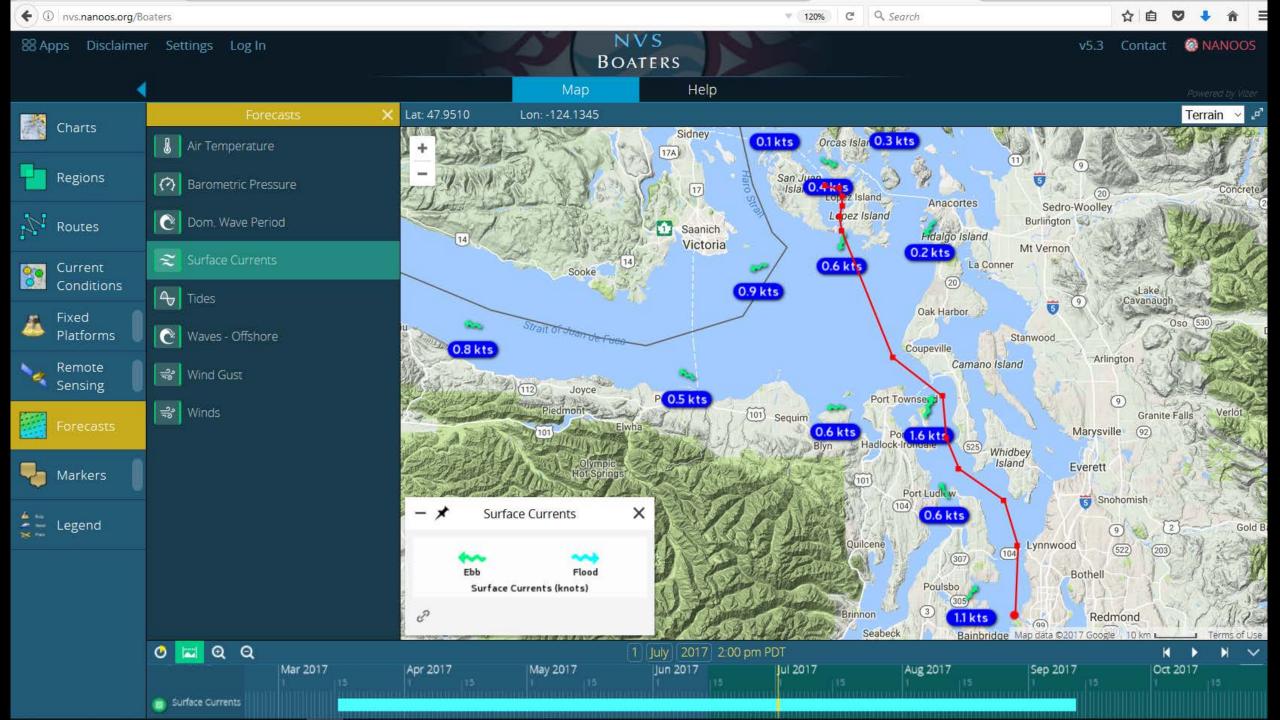


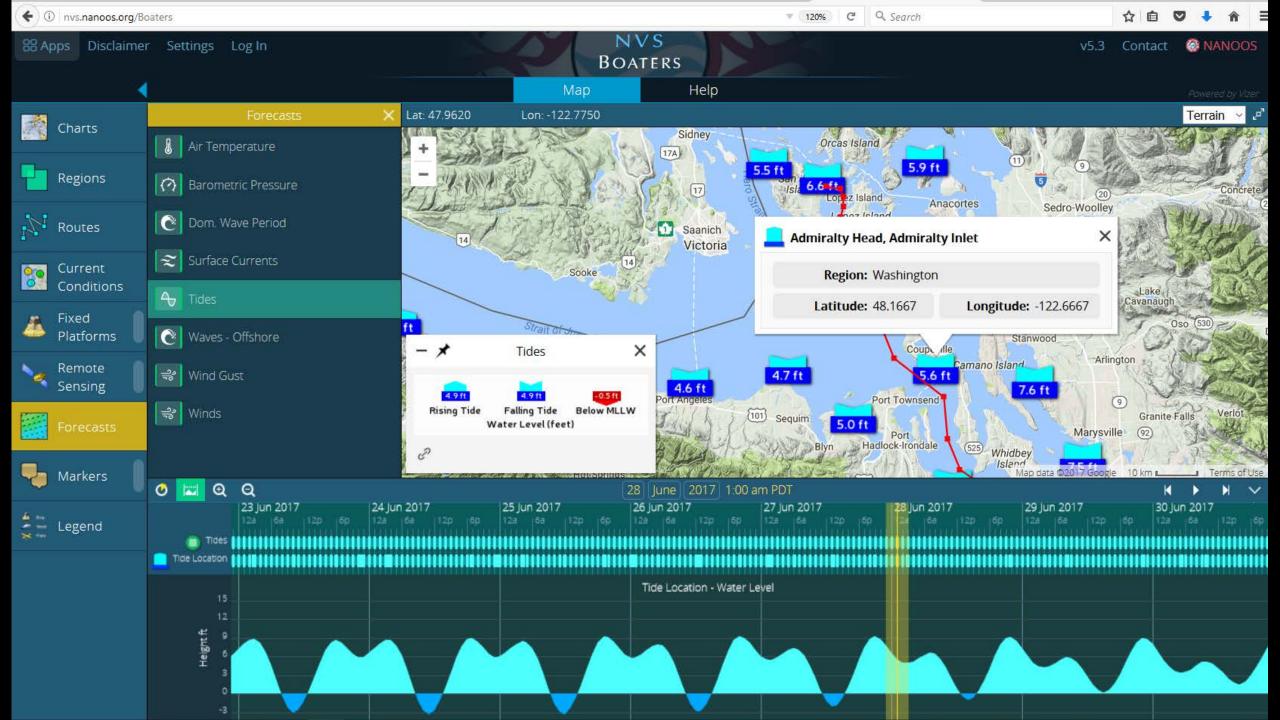


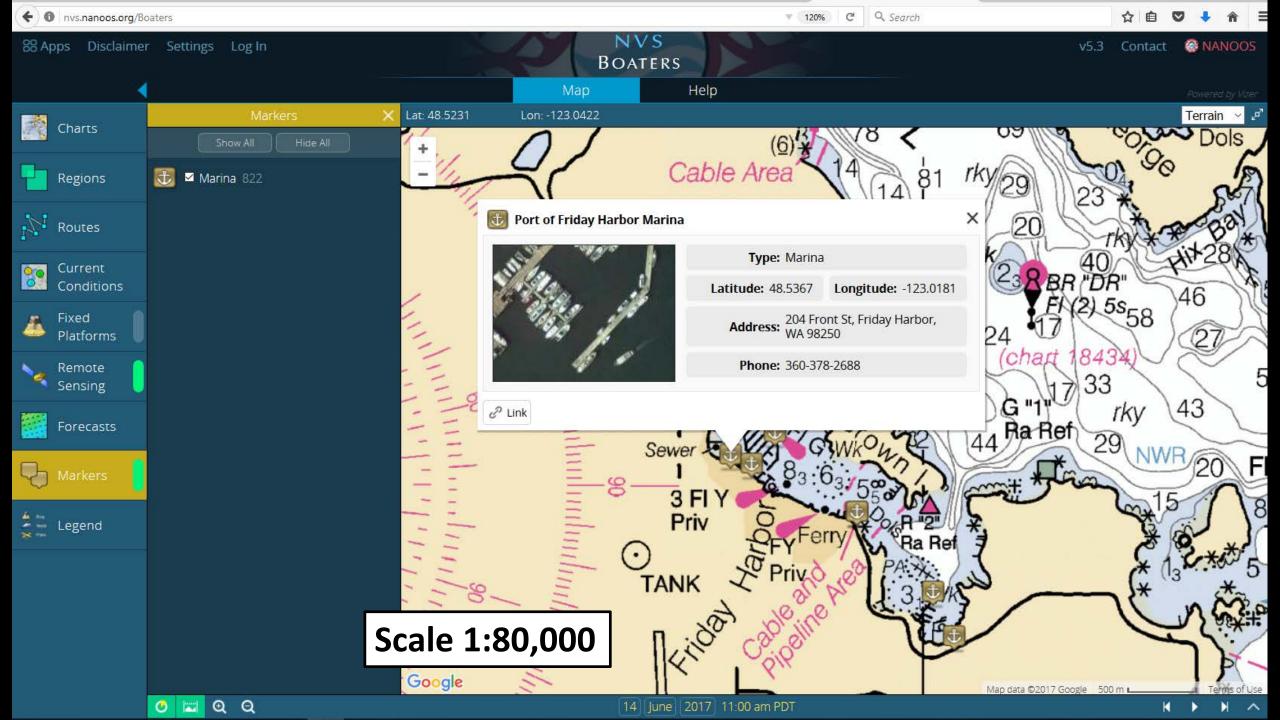








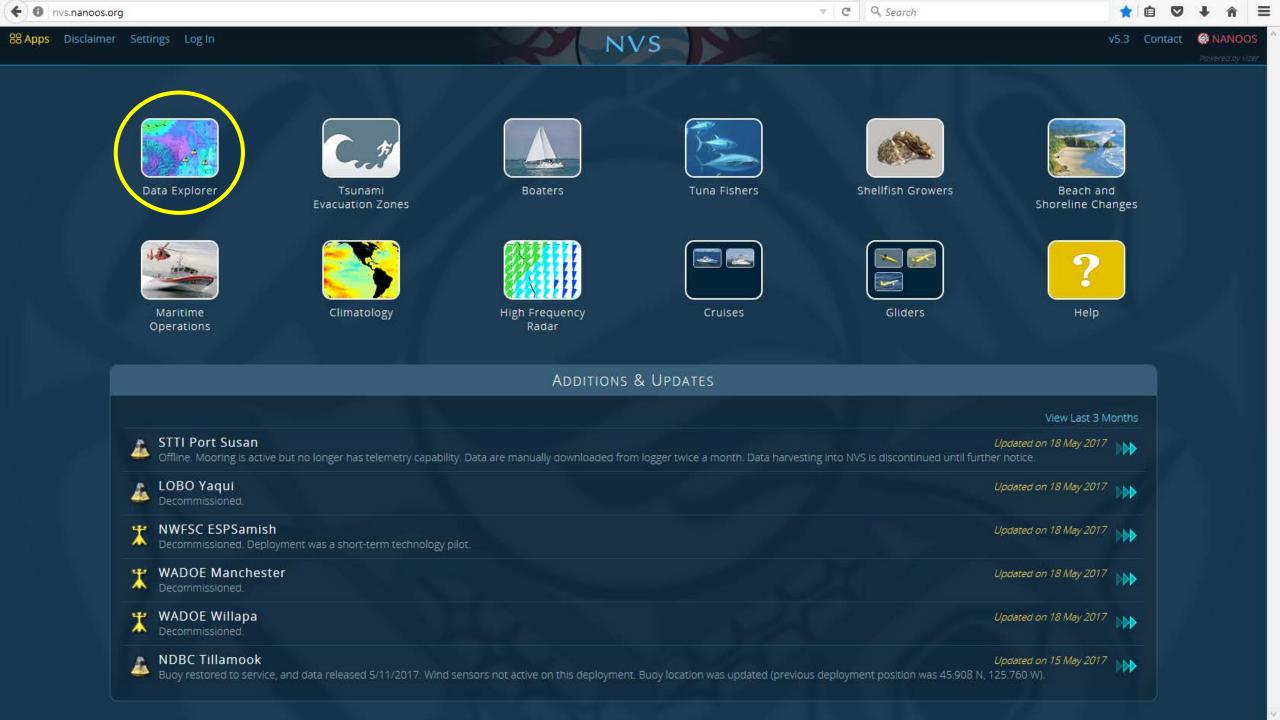


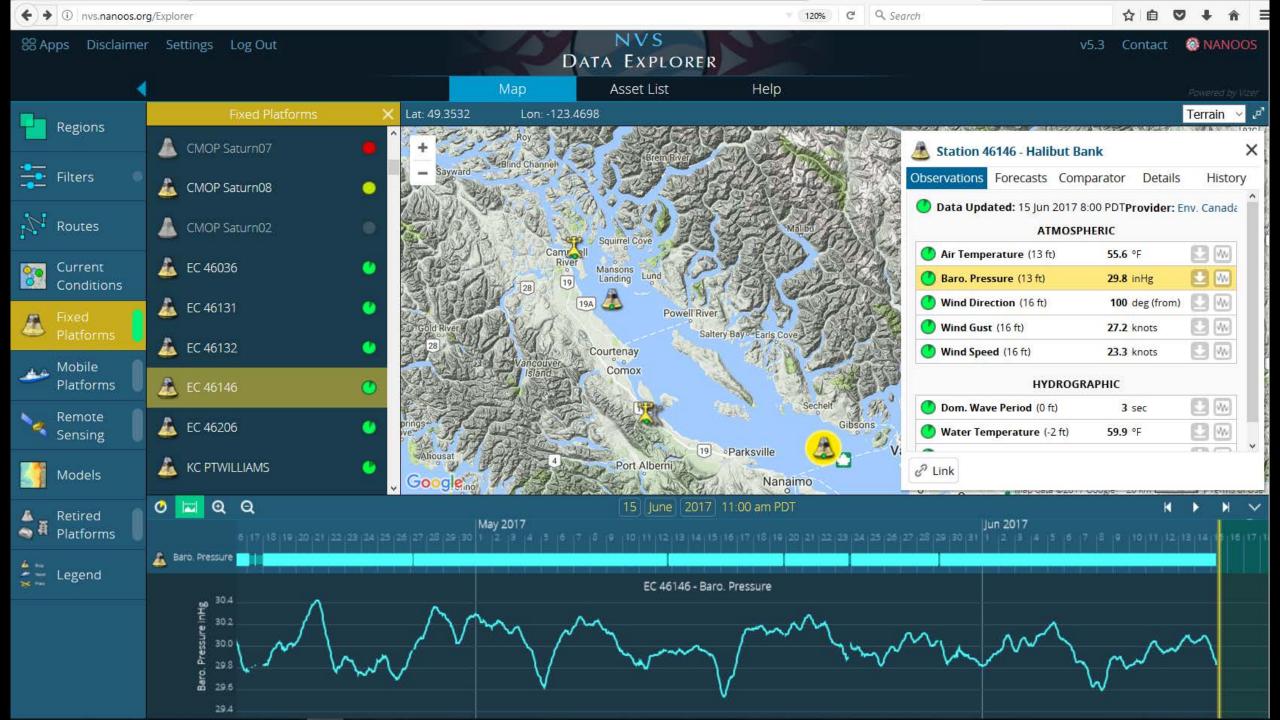


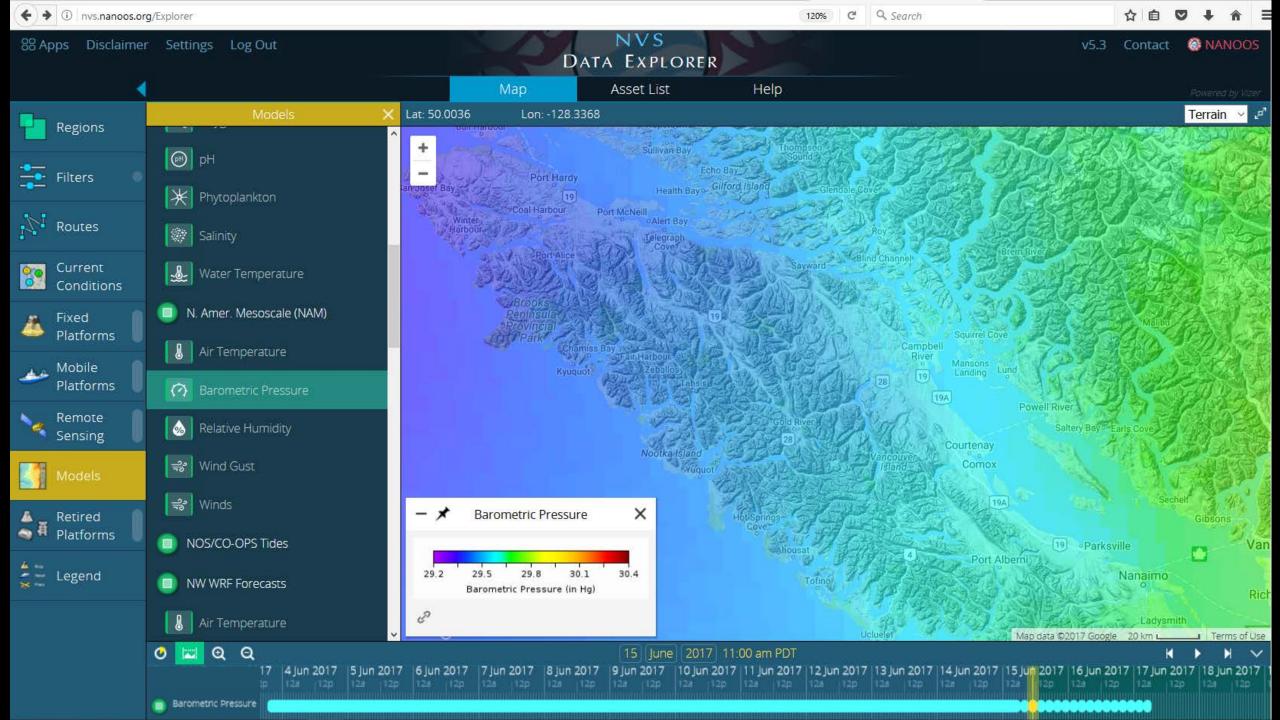
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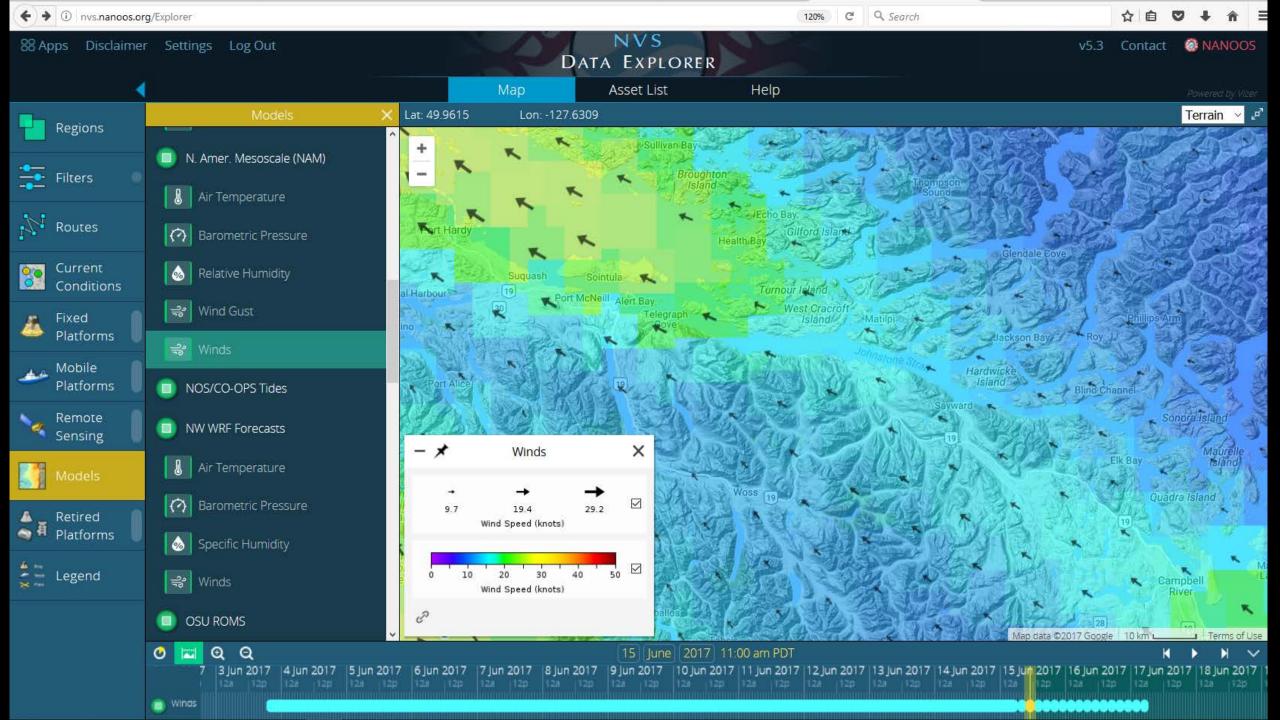
Continue up the Inside Passage



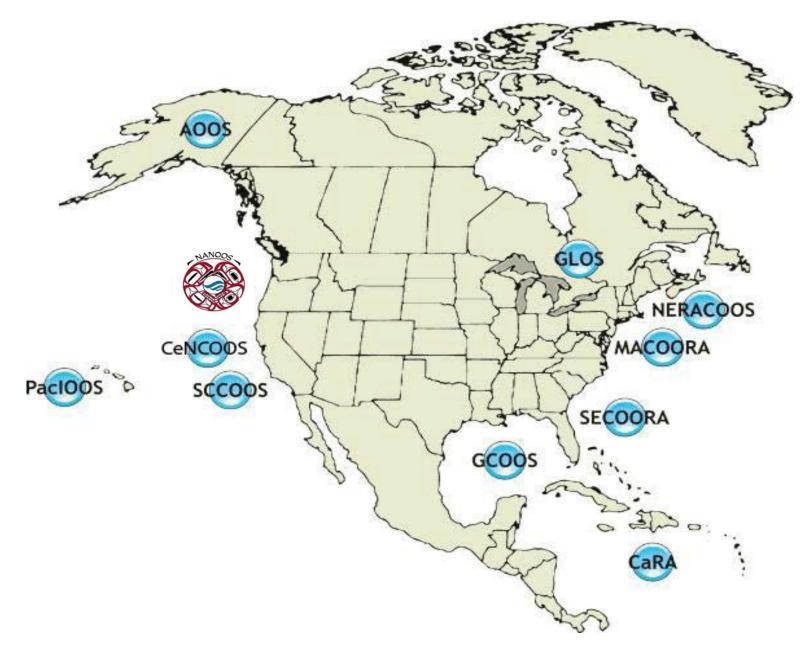








IOOS Regional Associations



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8 a X

Vo real-time data

AOOS Ccean Data Search for data Q X

+

Q

Catalog 🔍 Portal 🥝 1 layers 👻 Settings 🌣 🚱

Currently streaming: Air Temperature (°F) () Last update: Jun 14 10:43:25 AM PST

ensor filter to change streaming variable.

Filter stations

Sensors All sensors

Sources All sources

Platforms All platforms Cluster data Auto

-

Visualize real time sensor data collected within the past 4 hours. Use

* Sensor not available for streaming, click station for data

9 Turning off clustering can lead to poor map performance

62.2950.-151.6379

1929 stations / 448 stations in view 3

Legend

Real-time sensors .II

Alaska Ocean Observing System (AOOS) www.aoos.org

✓ II Sensor streaming statistical overview for on screen stations Air Temperature 48,851 measurements at 160 stations

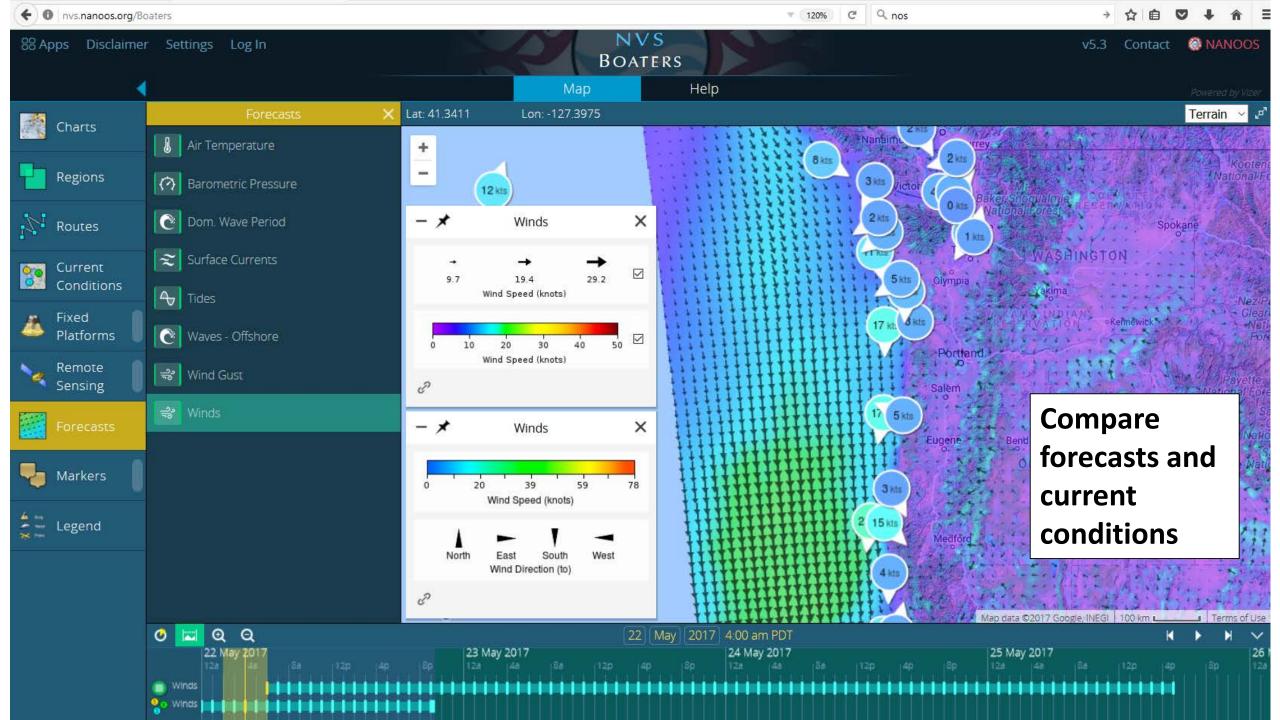
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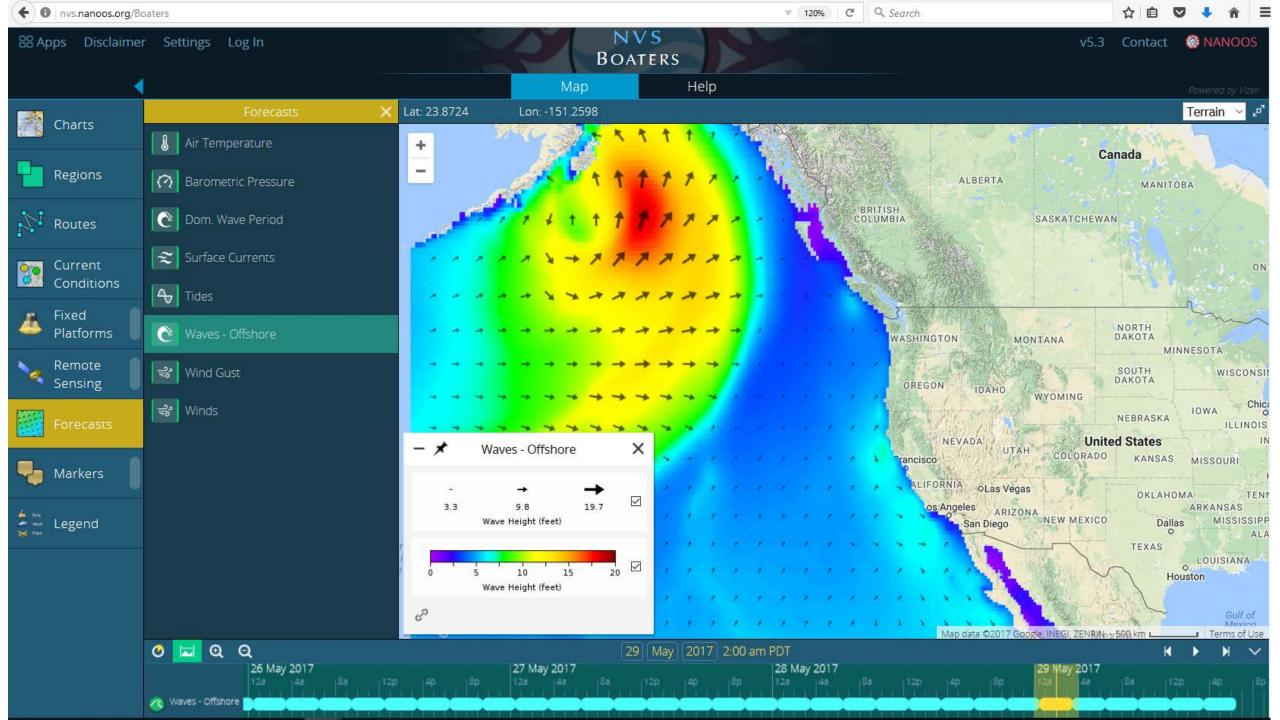
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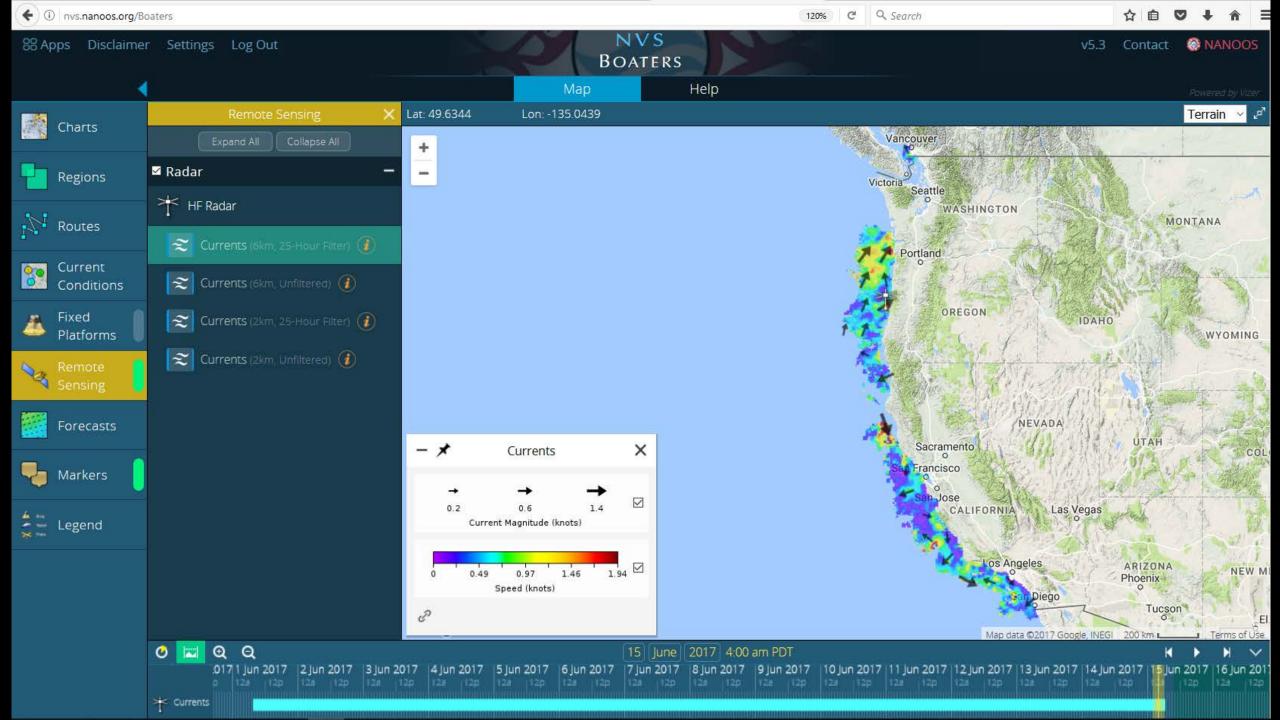
Map data @ Mapbox @ OpenStreetMap Improve this map

And along the coast











Thank you!

We'd love your feedback... please visit us at www.nanoos.org

rwold@uw.edu