THE PUERTO RICO NETWORK (PR)

GLOSS - XVIII

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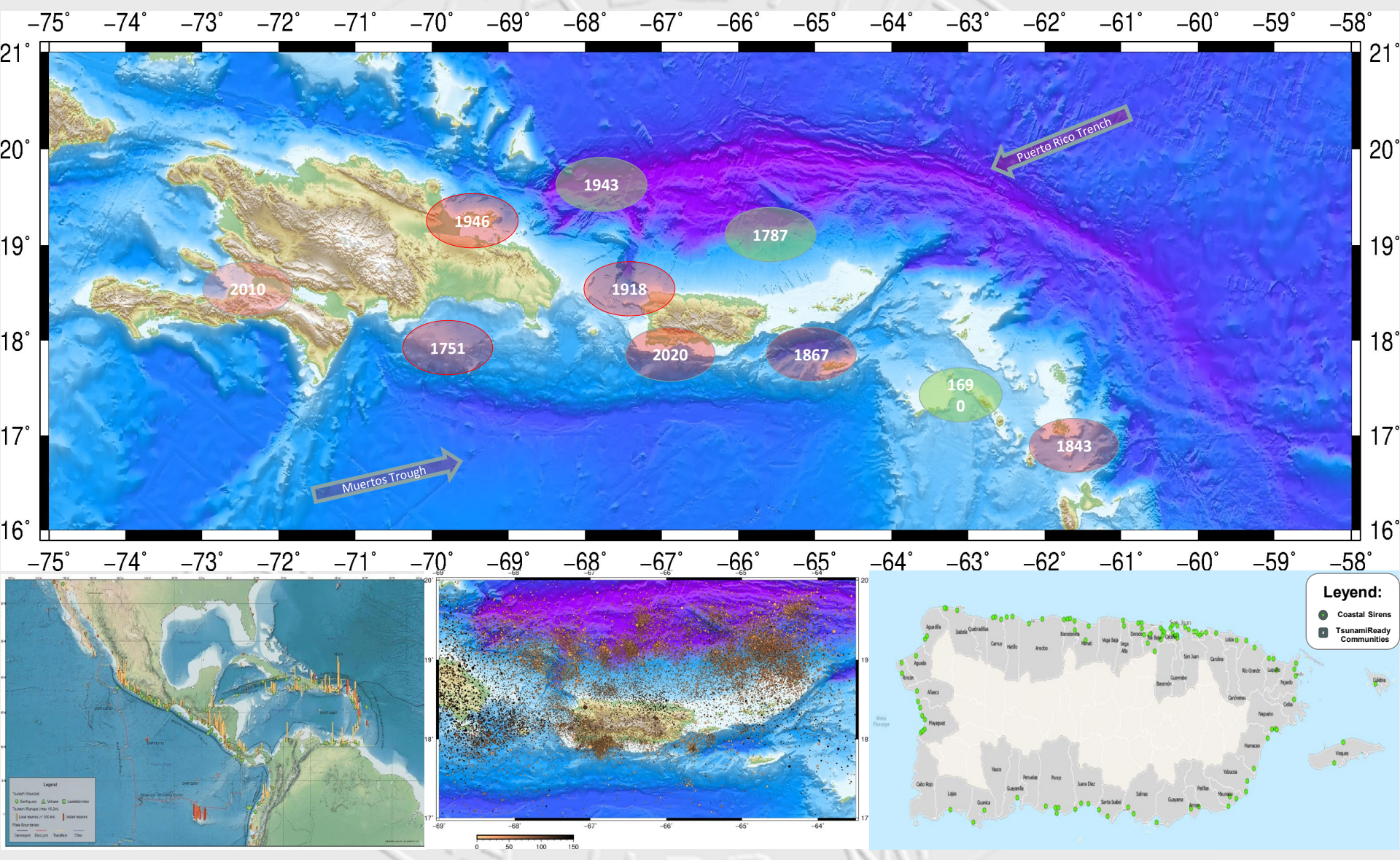
GEOLOGY DEPARTMENT

Panama
2025

PR MISSION

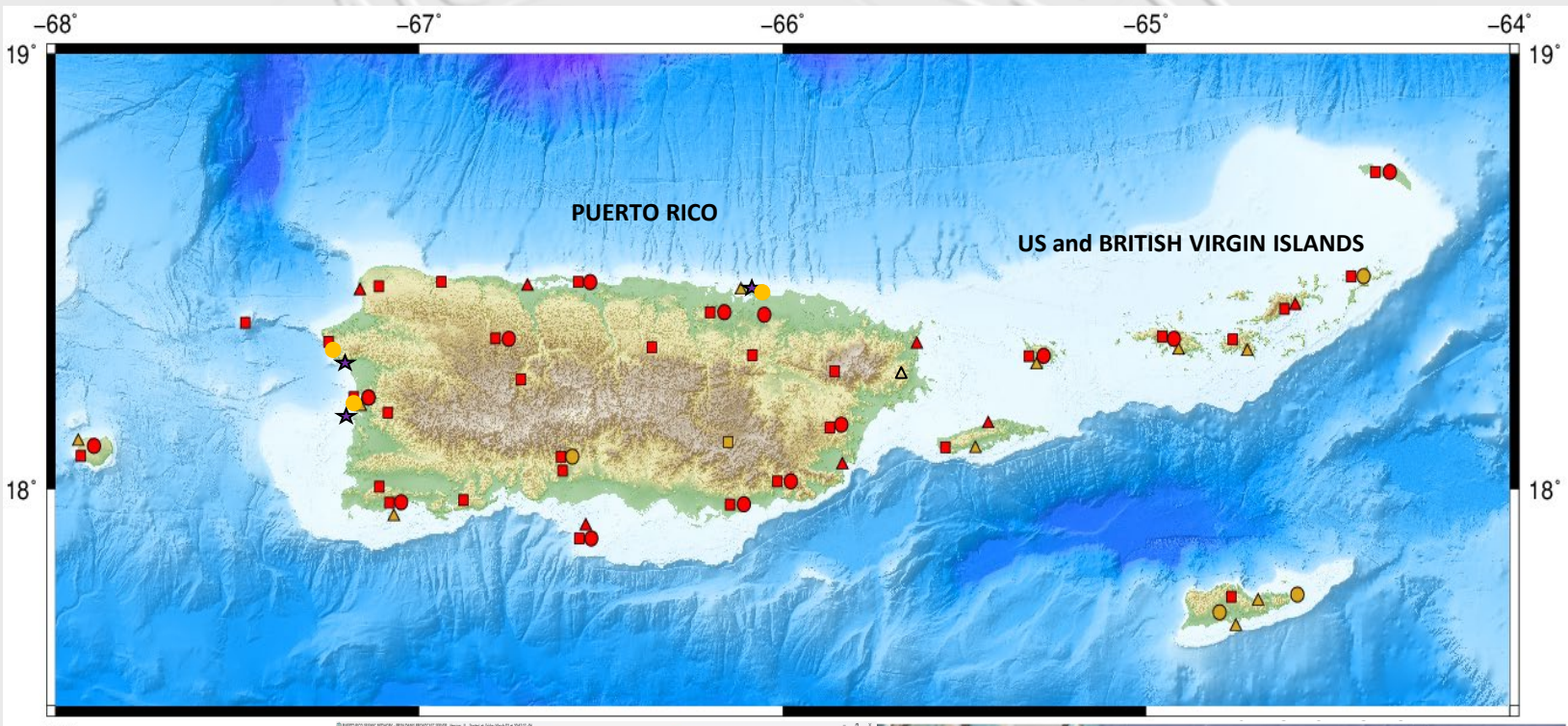
The mission of the Puerto Rico Network (PR) is to monitor and rapidly determine the location and size of all earthquakes and support the Tsunami Service Provider (TSP/PTWC) to determine the Tsunami alert level in the PRSN Area of Responsibility (AOR) and to immediately disseminate this information to concerned agencies, scientists, and the general public. The PRSN compiles and maintains an extensive seismic database of earthquake parameters, continuous waveforms (earthquakes, GPS and sea level) and their effects which serve as a solid foundation for basic and applied earth science/oceanography research in Puerto Rico and the Caribbean. The PRSN also promote the education and preparedness of our population to mitigate the effects of a significant earthquake or tsunami.

Background


Puerto Rico Trench
Muertos Trough
1943
1946
1787
2010
1918
1751
2020
1867
169
0
1843

Leyend:
Coastal Sirens
TsunamiReady Communities

PR Instrumentation

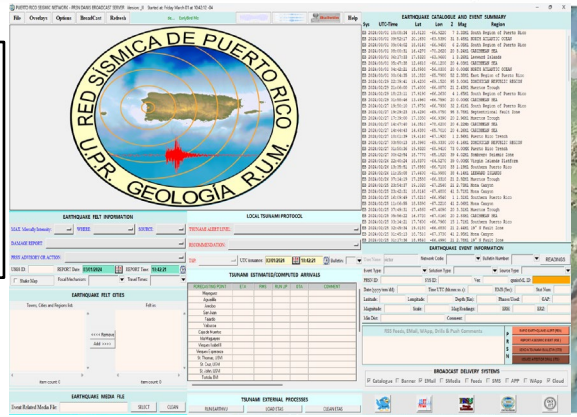


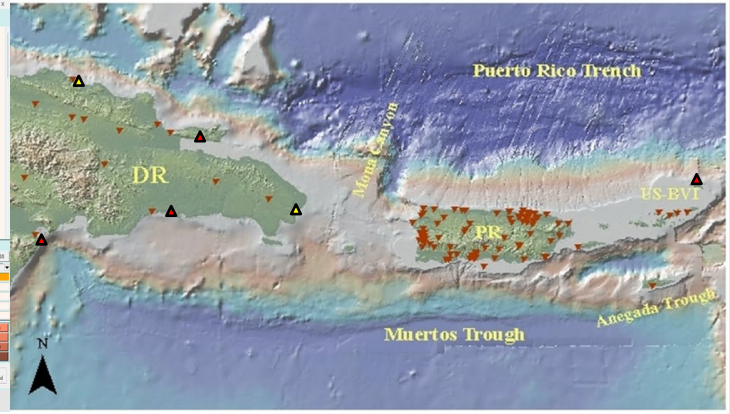
PR Network

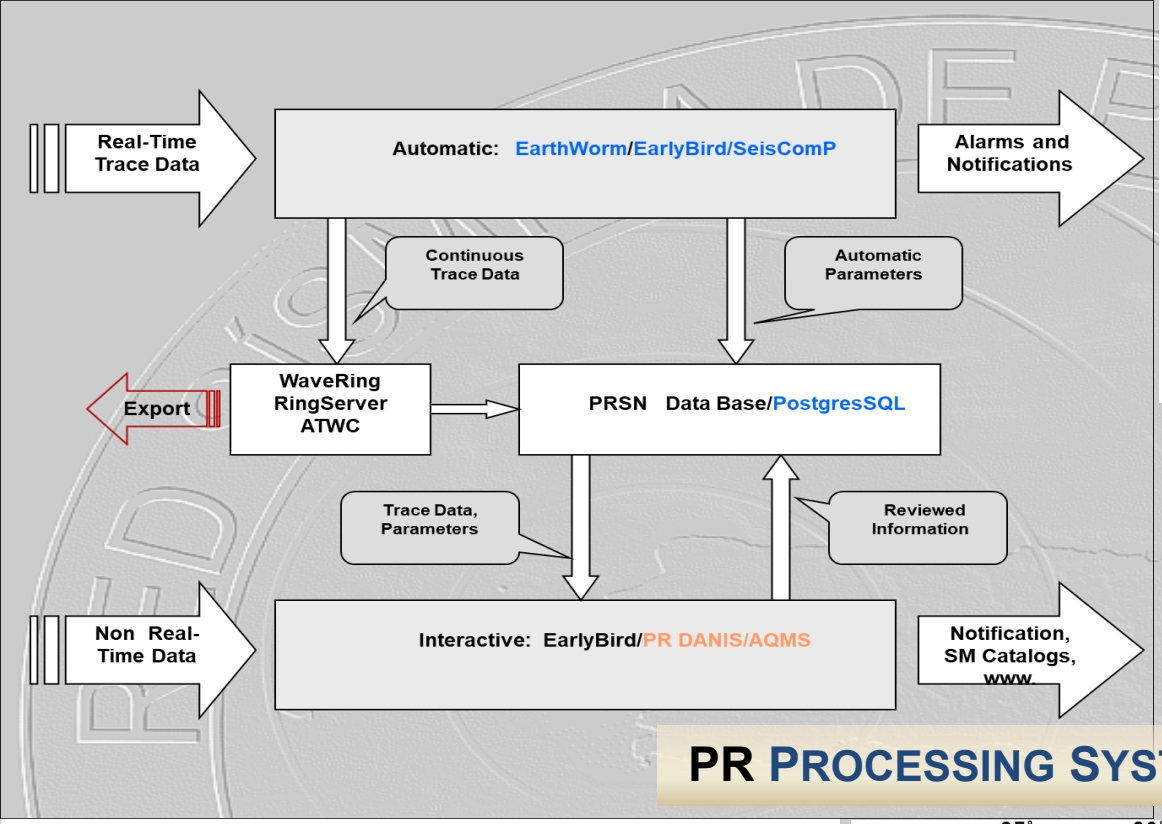
- Seismic Stations: Backbone
- High-Rate GPS: RTX
- Tsunami Ready Tide Gauges: 1m

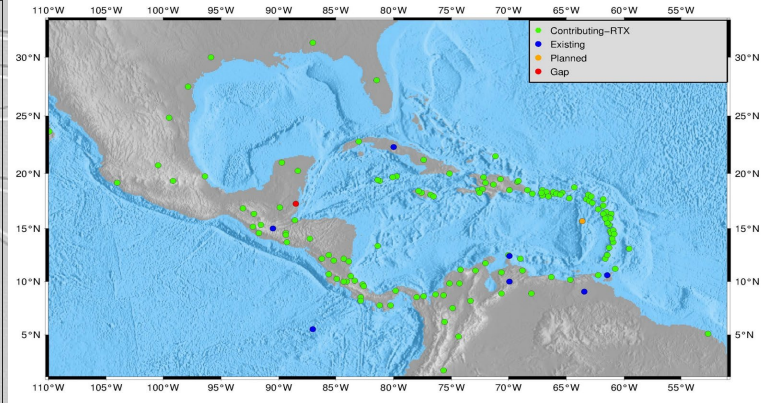
US Partnership

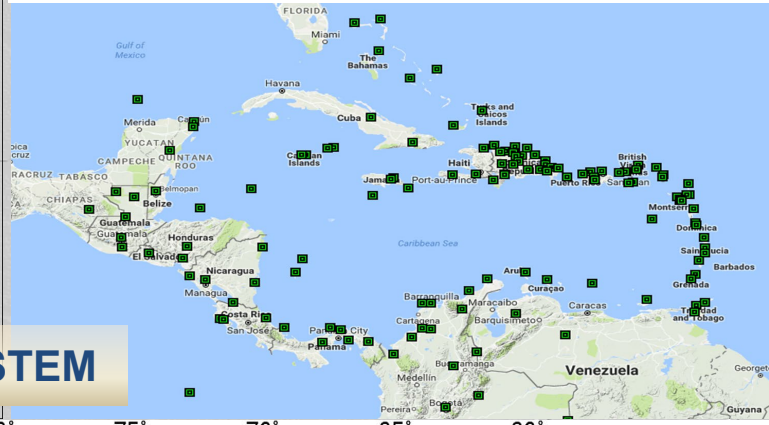
- Seismic Stations
- High-Rate GPS
- Tsunami Ready Tide Gauges



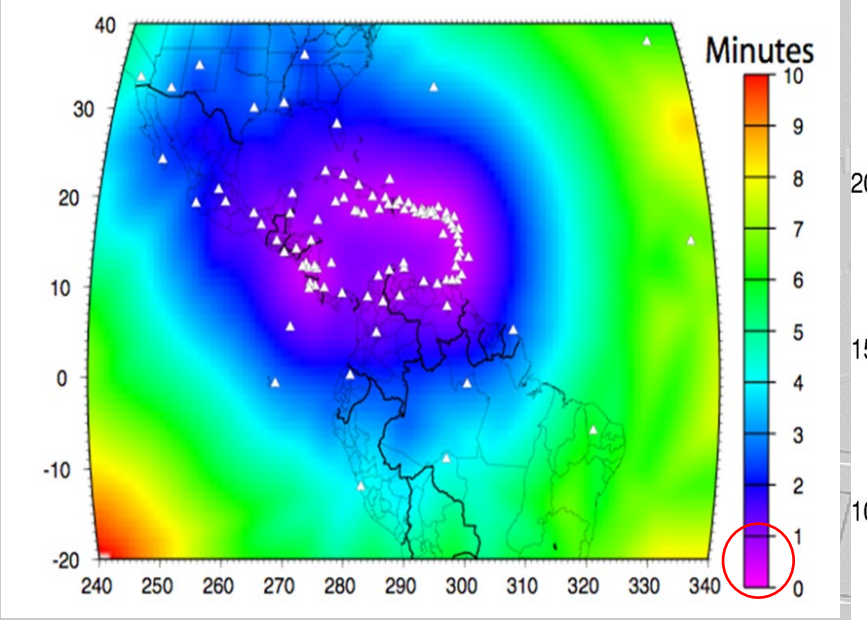


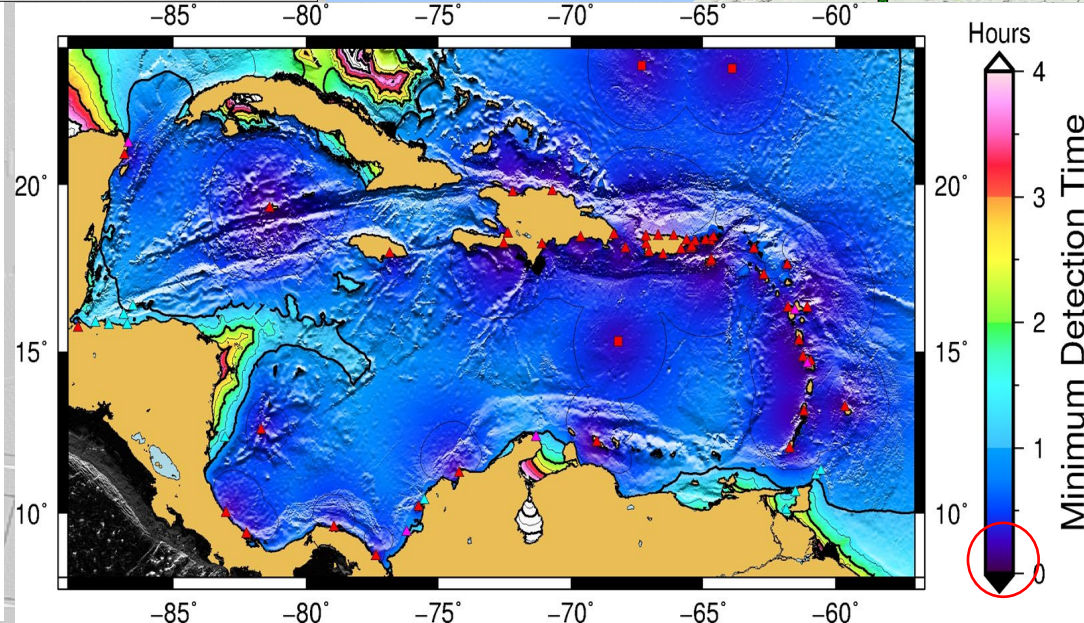






PR PROCESSING SYSTEM

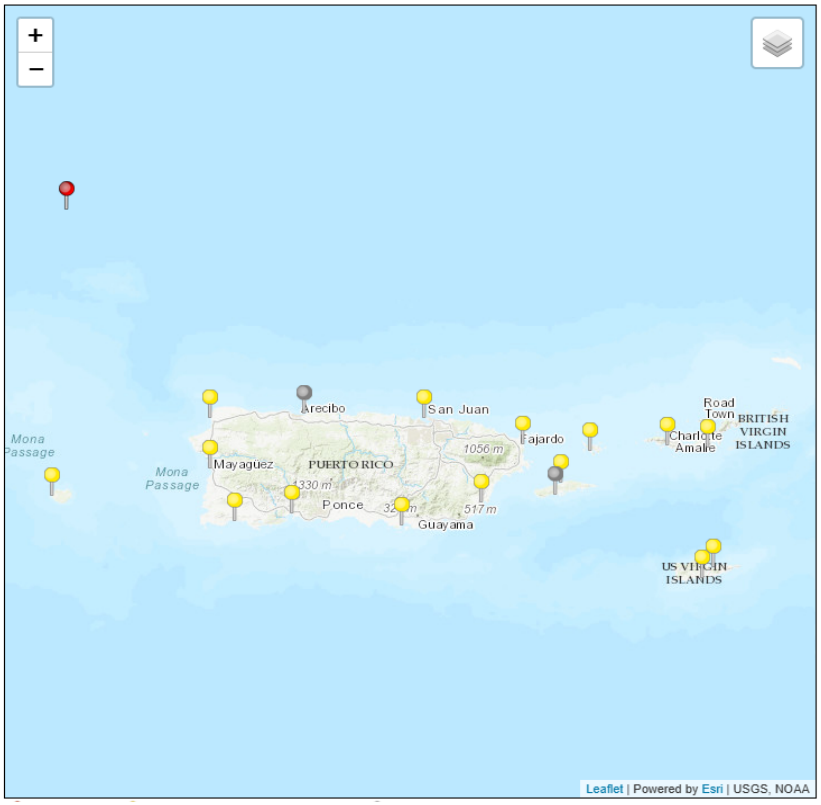




NOS/CO-OPS

Tsunami Capable Tide Stations

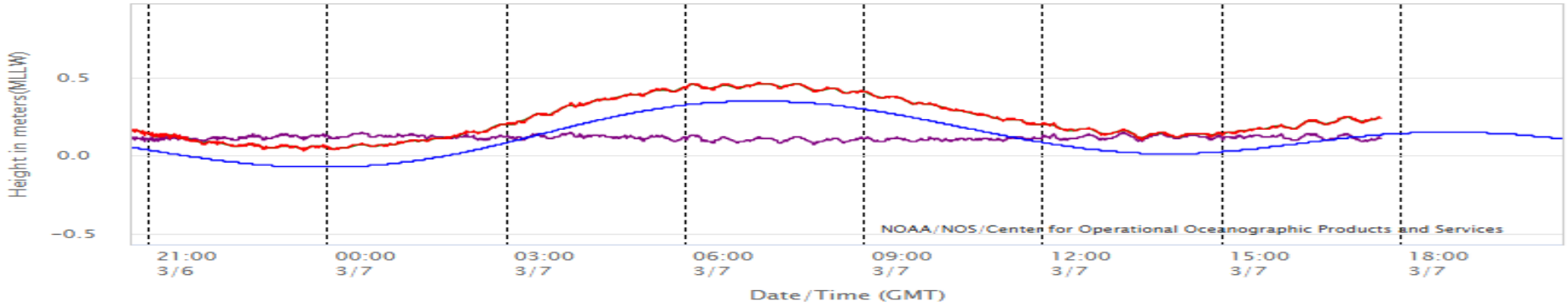
West Coast | Alaska | Pacific | Caribbean | East Coast | Gulf Coast

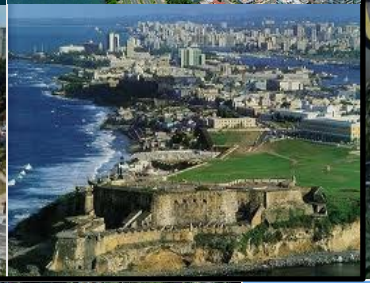


Enter station name and press tab/enter

Name	ID	Plot
Christiansted Harbor, St Croix	9751364	Plot
Lameshur Bay, St John	9751381	Plot
Limetree Bay	9751401	Plot
Charlotte Amalie	9751639	Plot
Culebra	9752235	Plot
Isabel Segunda, Vieques Island	9752621	Plot
Esperanza, Vieques Island	9752695	Plot
Fajardo	9753216	Plot
Yabucoa Harbor	9754229	Plot
San Juan, La Puntilla, San Juan Bay	9755371	Plot
Salinas, Bahia de Jobos	9755968	Plot
Arecibo	9757811	Plot
Guayanilla, Bahia de Guayanilla	9758066	Plot
Magueyes Island	9759110	Plot
Mayaguez	9759394	Plot
Aguadilla, Crashboat Beach	9759413	Plot
Mona Island	9759938	Plot

NOAA/NOS/CO-OPS Tsunami Water Levels at 9759394, Mayaguez, PR
From 03/06/2025 20:42 to 03/07/2025 20:42 GMT



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