



# Instituto Nicaraguense de Estudios Territoriales

## Report of Sea Level Station Operations in NICARAGUA

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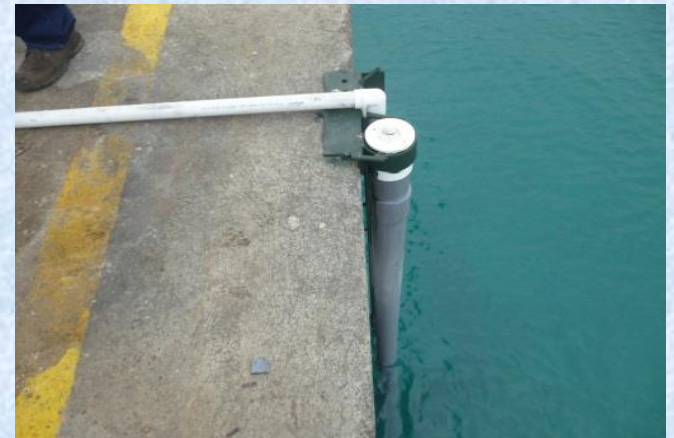
Mexico , March 01, 2018

# Tide gauge network of Nicaragua

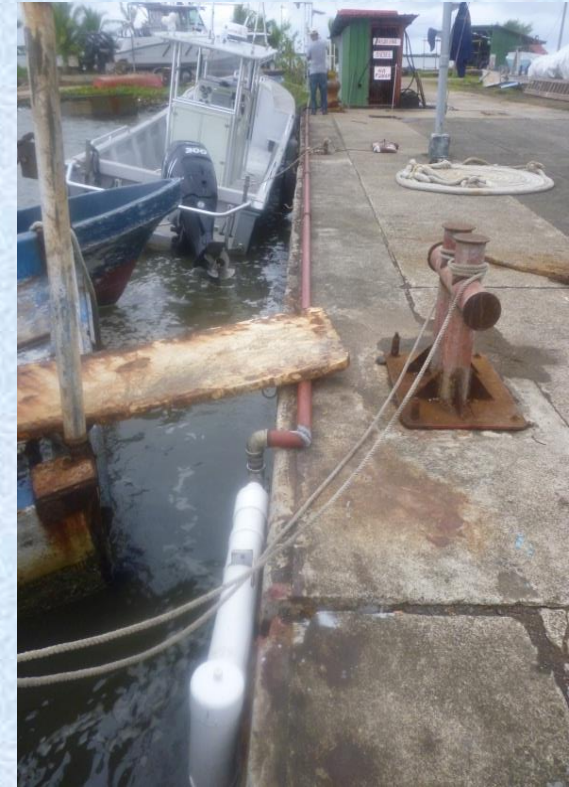
3 online  
Corinto, Pto Sandino y Corn Island.  
2 stations offline:  
El Bluff and San Juan del Sur.



# Corn Island Station in the Caribbean



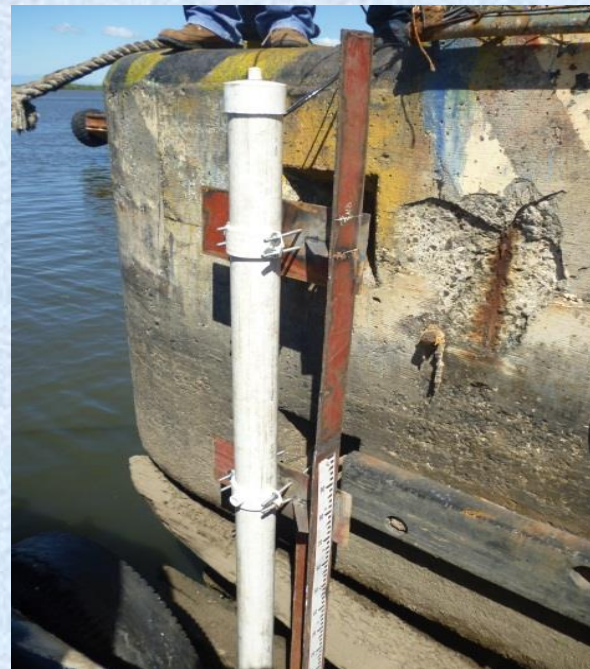
## Bluefield Station in the Caribbean



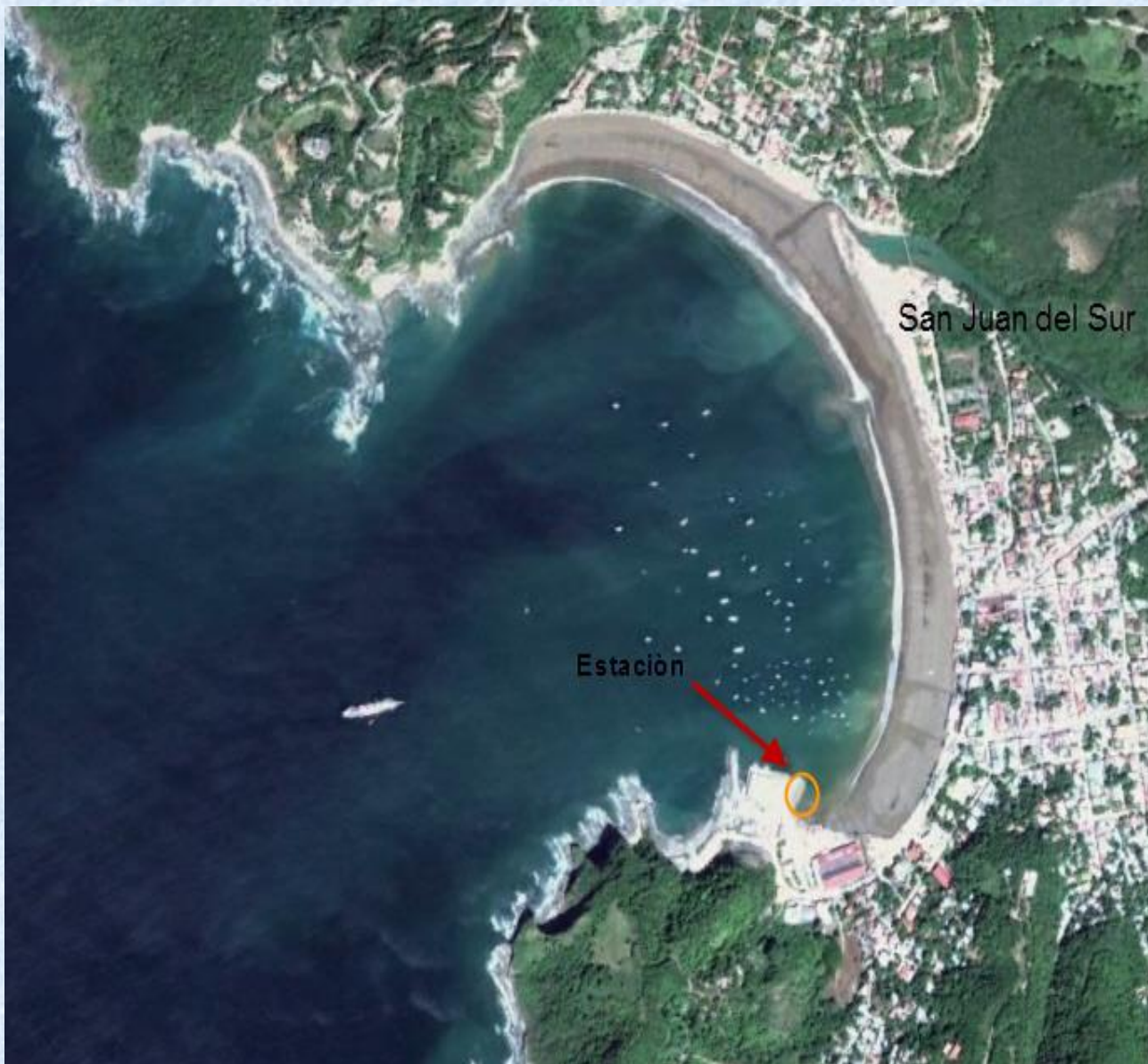
## Corinto Station in the Pacific Coast



## Puerto Sandino Station in the pacific coast



## San Juan del Sur Station, Pacific Coast



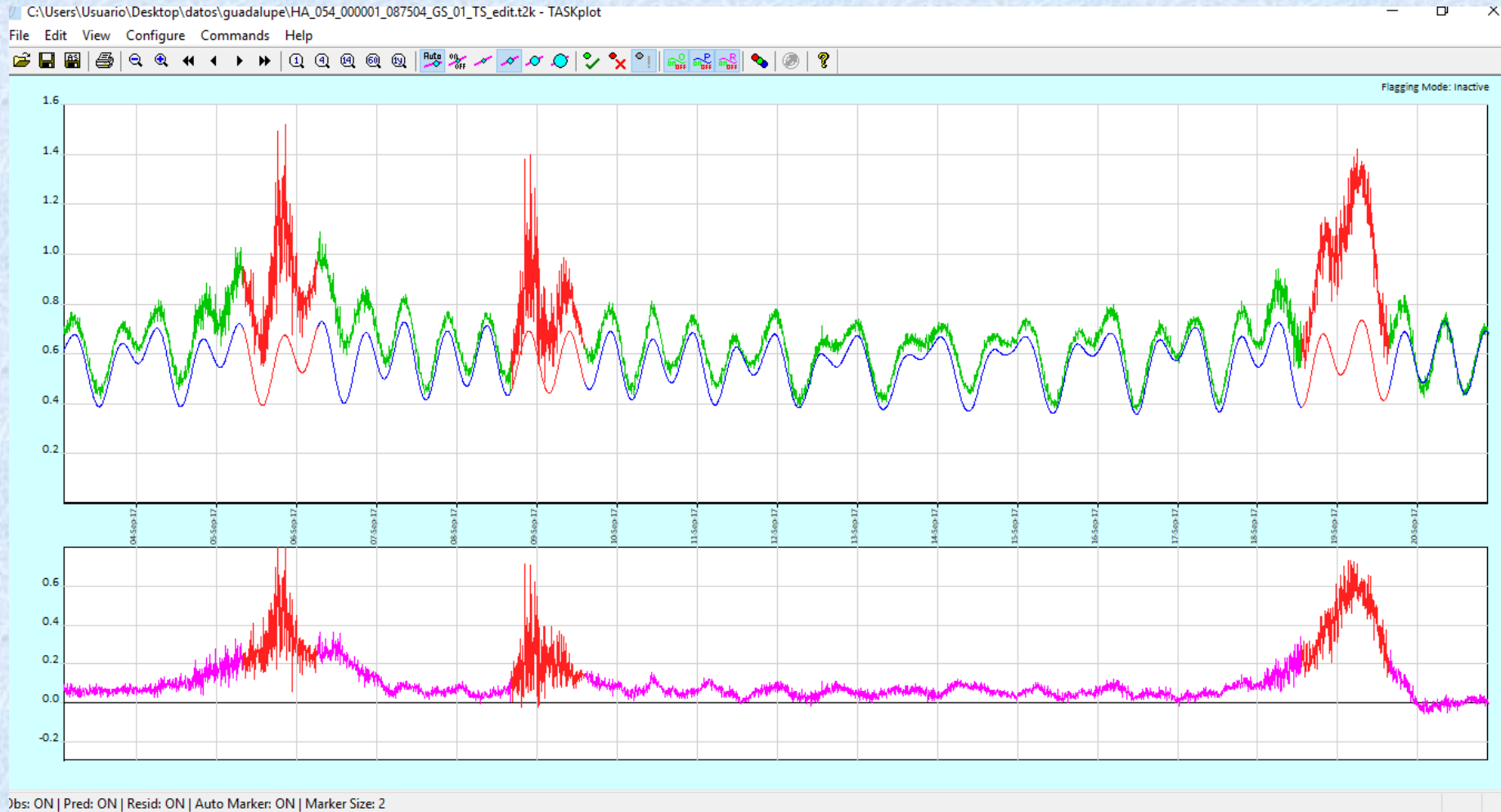
# Analysis and quality control

- Guadalupe station
- Date downloaded 12 months of data from IOC Sea Level Monitoring Facility from 1<sup>st</sup> March 2017 to 6<sup>th</sup> February 2018.



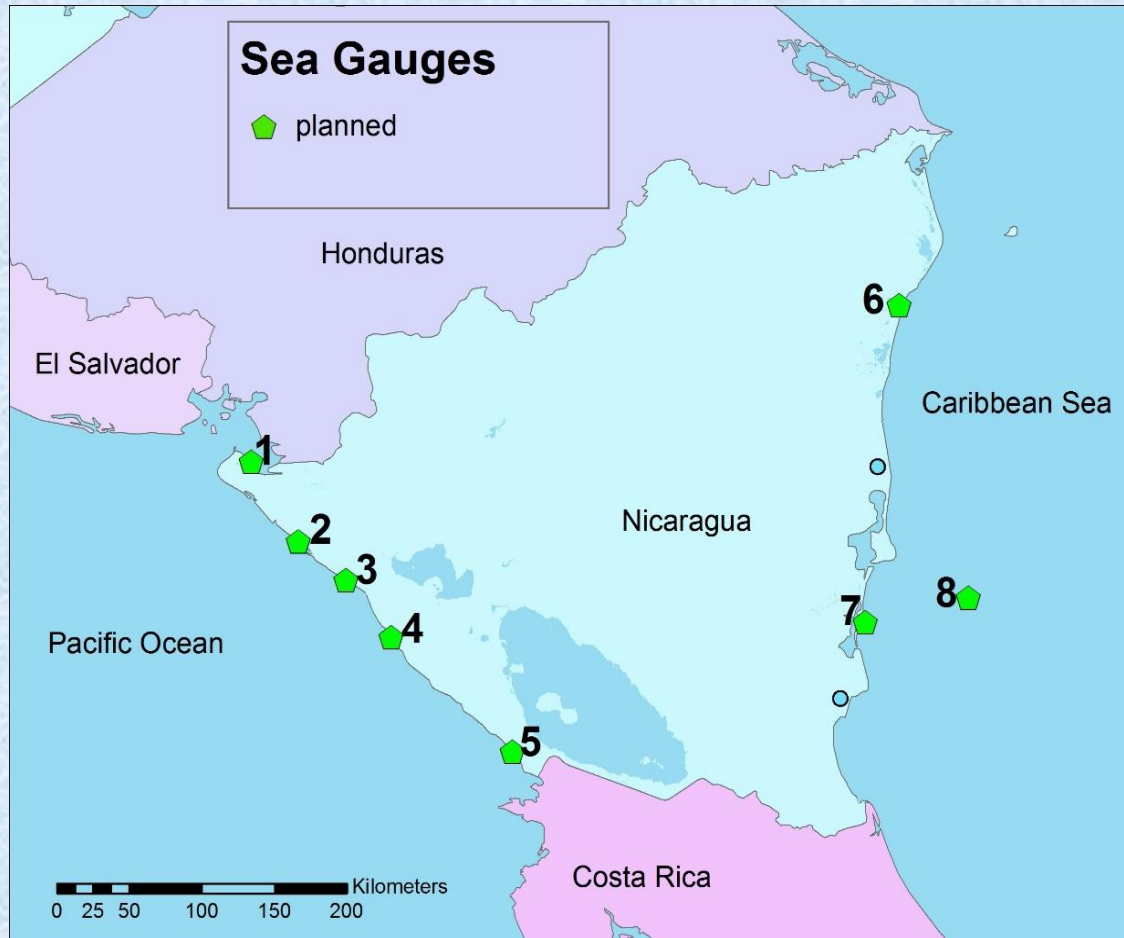


The figure shows spikes in the record due to Hurricane.



## Future Plans

- **The hydrology unit** has project to install new sea level station to increase the network and obtain more data..



## The Geophysical Direction

- Install 8 tide gauge station in the Pacific and Atlantic coast in Nicaragua in order to monitoring the tsunamis.
- Data Transmission : real time
- Communication via 3G / RF

**Gracias**