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## Sea Level Stations in Madagascar



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## Introduction

- 17 Sea level rise stations have been installed in Madagascar since 1888 (Pouvreau, 2008).
- None of them is operational to date
- The collected historical data is not available
- 2 stations are operational since 2014 (Toliara and Fort Dauphin)



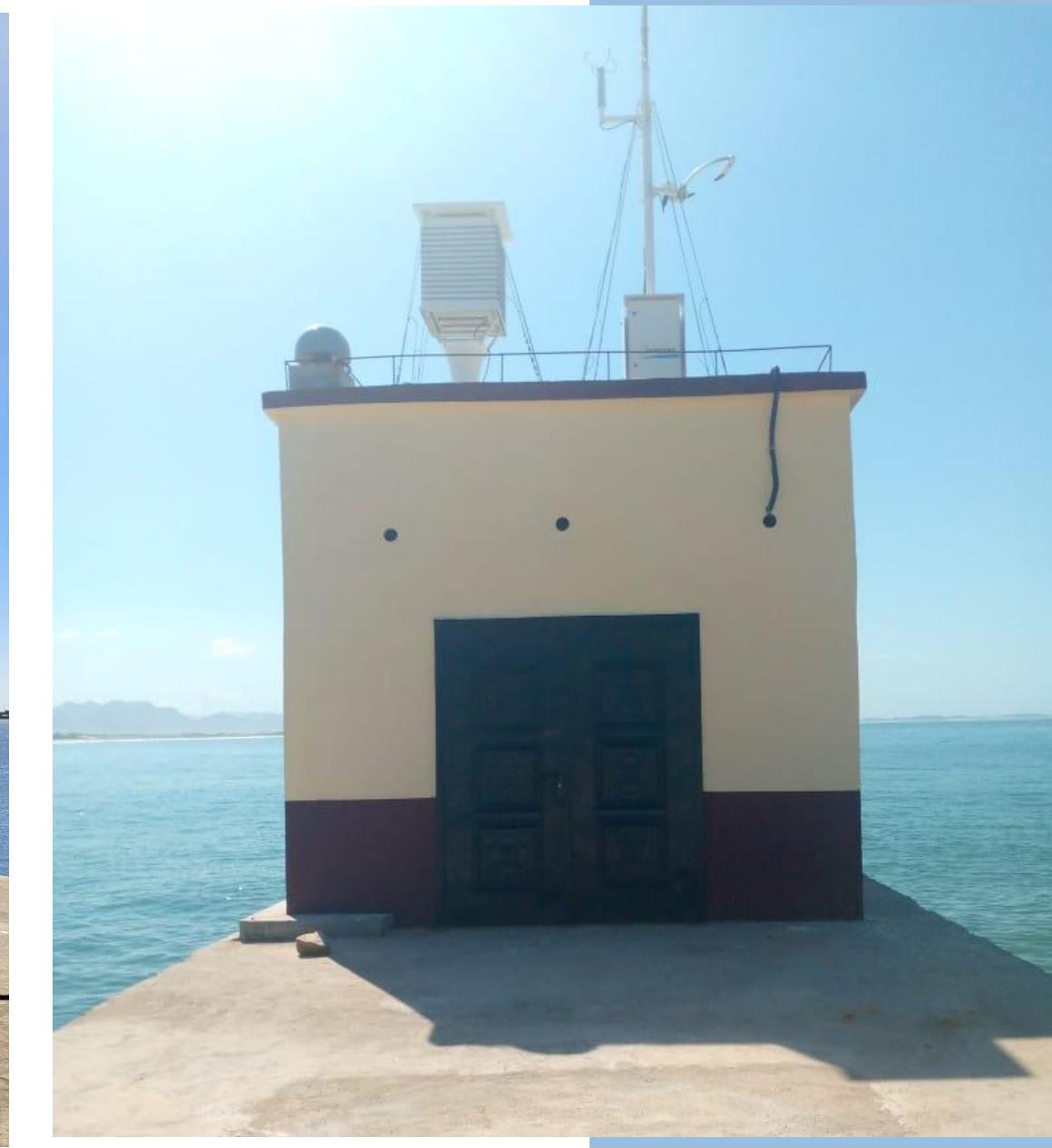
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## Stations Monitoring





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# Stations Monitoring

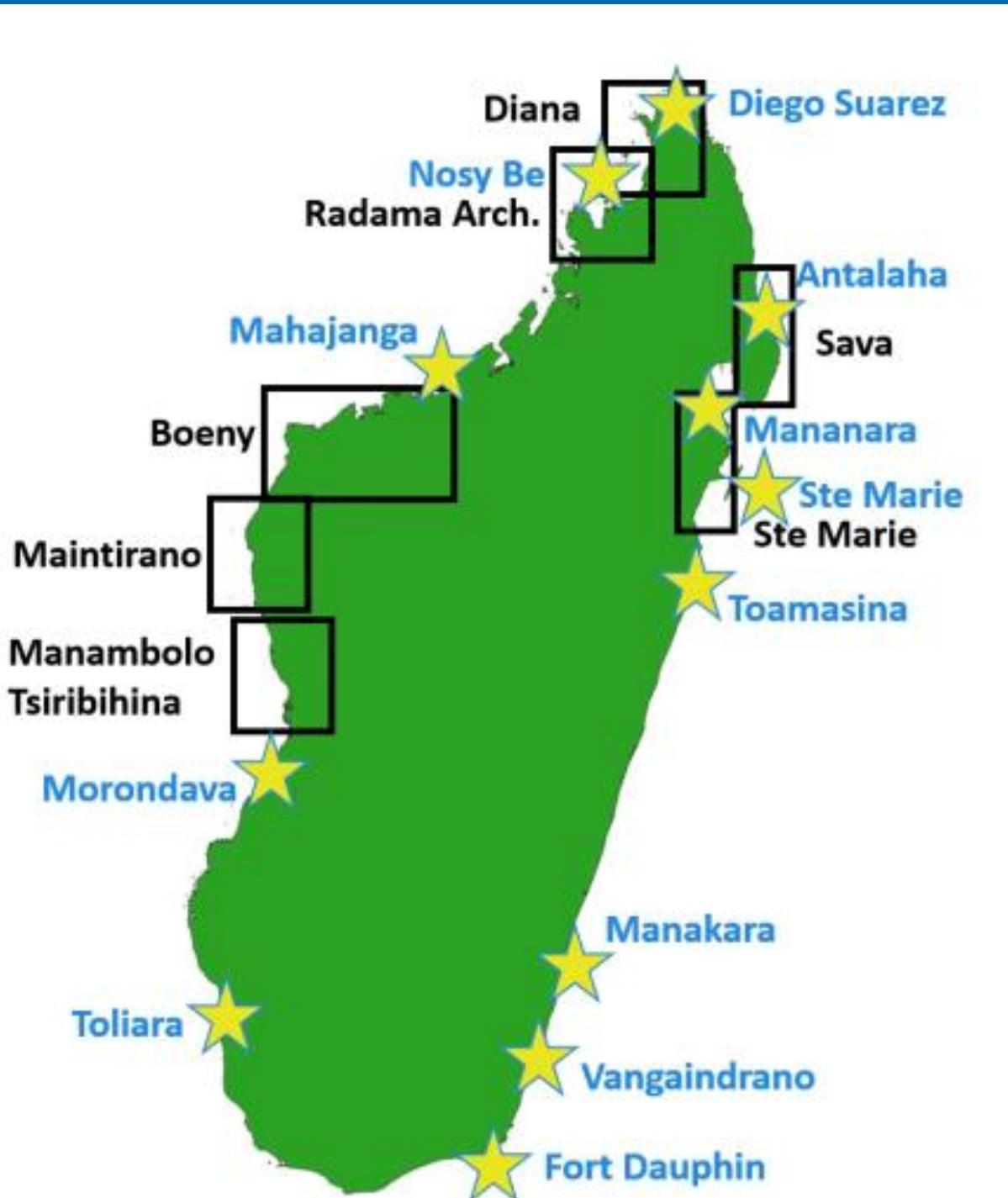
## EQUIPMENT

- Floating gauge
- Pressure gauge
- GNSS
- Oceanographic sensors: Temperature, Salinity
- Meteorological sensors: Precipitation, Atmospheric visibility, Atmospheric pressure, Atmospheric temperature and humidity



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# Potential locations for new stations – pros and cons



Locations of the regional areas (black boxes) and specific sites (stars) for which sea level data was required (PASS-SWIO Project)

**Main points to consider:**

- Safety
- Resources of the hosting institution
- People



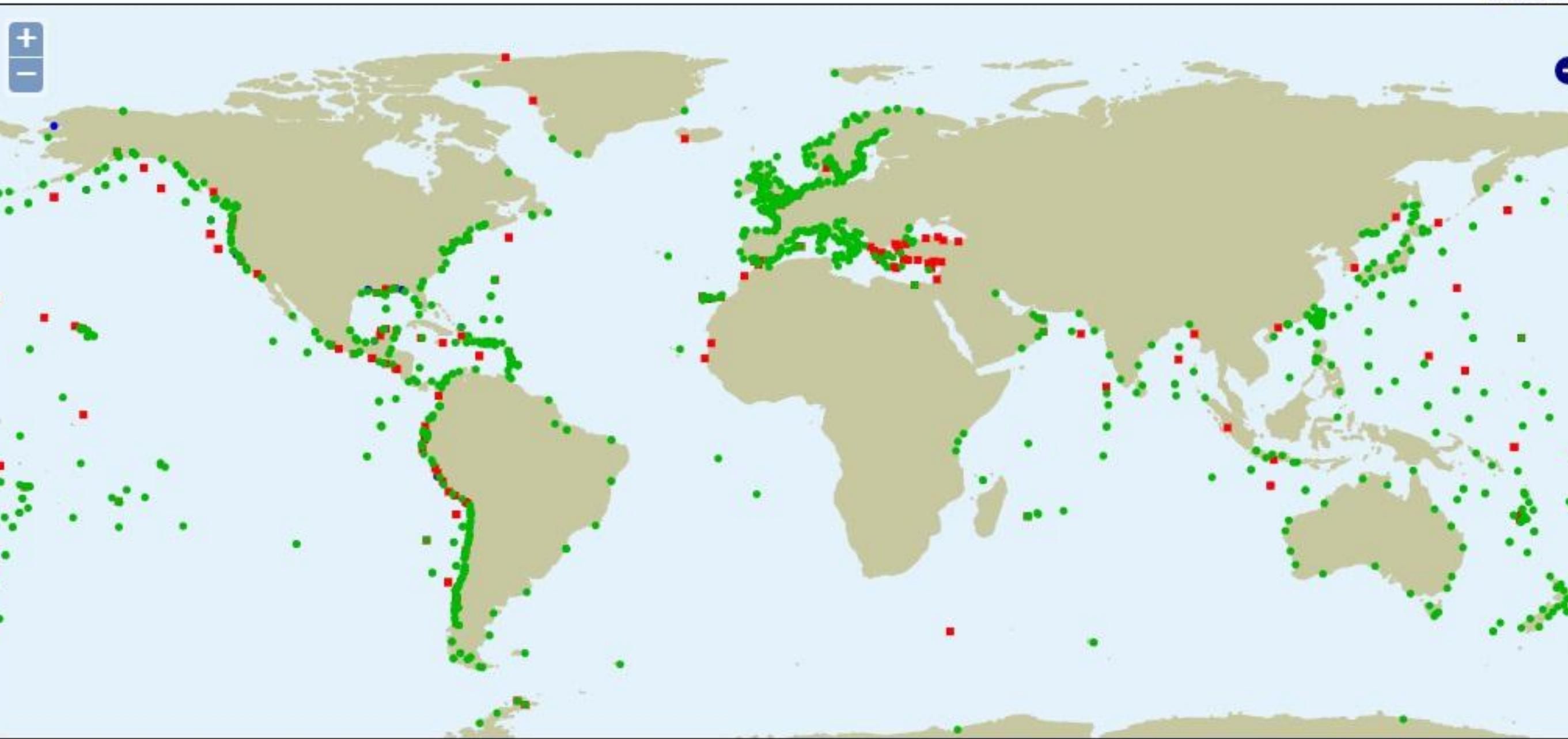
# SEA LEVEL STATION MONITORING FACILITY

[Intro](#) [Map](#) [Station lists](#) [Station details](#) [Services & FAQ](#) [GLOSS](#) [Catalog](#)

## Sealevel stations

Status at 2024-02-25 14:19 GMT

### Disclaimer



Plot [Active stations](#)

Show [Status](#)

#### Legend:

- Station is offline, or data is outdated
- Station is online
- Station is not available at this site

Offline = No data received since 3 times the transmit interval.

The quality of the transmitted data is not checked.

- To obtain more details about a station - move mouse over station and click.
- To zoom in - hold down the Shift-key while holding down the mouse button and drawing a rectangle or use the Scroll mouse button, or use the control buttons in upper left part of map.
- To pan - drag the map, or use the control buttons in upper left part of map.
- Or use the [KML file](#).



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# Thank You