Training Course on the General Principles of Installation and Maintenance of Sea Level Stations and the Use of the Data

Bridgetown, Barbados, 17–21 November 2025

Sea Level Station Operations in Saint Lucia

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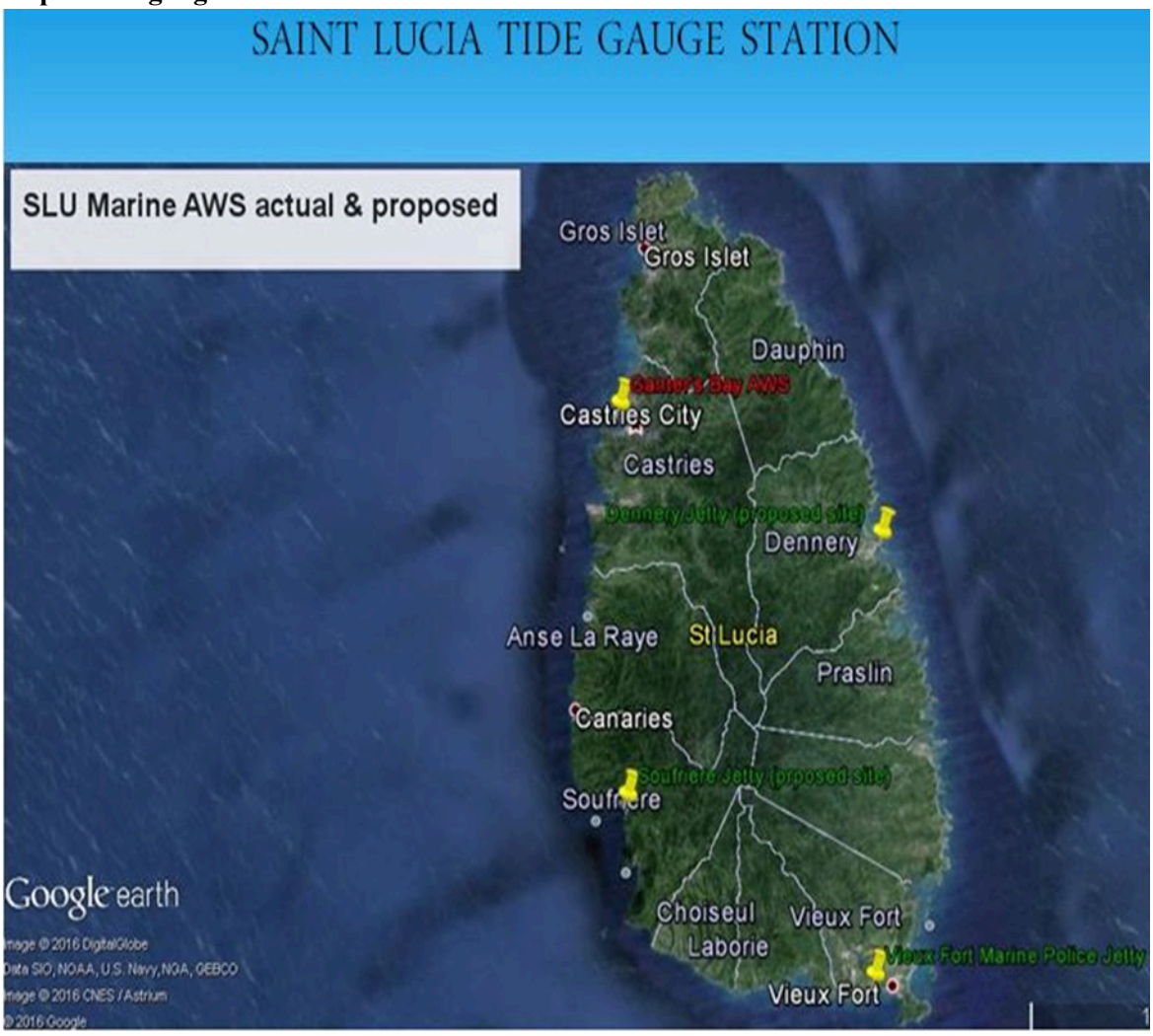
2. **Map of tide gauge network in Saint Lucia**



3. **Tide gauge stations:**

Name:	**Ganter's Bay**
Station Code:	stlu
Lat:	14.016428
Lon:	-60.997351
Date Installed:	October 2016
Status:	Operational
Operating Organisation:	Saint Lucia Meteorological Office

Name:	**Dennery**
Station Code:	stlu2
Lat:	13.9114
Lon:	-60.8865
Date Installed:	October 2021
Status:	Not Operational
Operating Organisation:	Saint Lucia Meteorological Office

Name:	**Soufriere**
Station Code:	stlu3
Lat:	13.8535
Lon:	-61.0596
Date Installed:	October 2021
Status:	Operational
Operating Organisation:	Saint Lucia Meteorological Office

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Name:	**Vieux Fort**
Station Code:	stlu4
Lat:	13.7209
Lon:	-60.9528
Date Installed:	October 2021
Status:	Operational
Operating Organisation:	Saint Lucia Meteorological Office

6. An overview of the gauge technology employed in the station

	Station Ganter's Bay
Communications	GOES
GOES PID	6B00103C
WMO Header	SOLC10
GOES Channel	211
Transmit Period	5 mins
Sampling Rate	1 min for sensors, 5 mins for battery
GLOSS Station ID	
DCP	WaterLOG Data logger
GPS (timing)	-
GPS (high precision for positioning)	-
Sensor #1	Radar (Nile Radar)
Sensor #2	Pressure Probe (OTT)
Sensor #3	Pressure Probe (OTT)
Met Sensors	none

7. Leveling: No benchmark levelling undertaken at Ganter's Bay Station since initial installed October 2016.

8. **An overview of the data availability**
The data of Ganter's Bay Station is available on the website:
https://ioc-sealevelmonitoring.org/station.php?code=stlu

9. **Person responsible for Maintenance and Repairs**: Technicians at the Met Service with technical support from the National Oceanography Center (NOC) to whom we extend our sincere gratitude.

10. Future Plans:
Repair and recommission the Dennery station.
Strengthen maintenance practices, including regular benchmark levelling.
Develop a structured maintenance schedule and documentation for all sites

11. **Technology issues for which advice is required:**
Pressure sensors are the most frequent point of failure
Recurring issues with antenna systems
Guidance needed on reliable sources and approved suppliers for:
-Replacement pressure sensors
-Antenna components and associated hardware.