



# SAINT LUCIA

NOAA/WMO CAPACITY BUILDING WORKSHOP  
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NAME: THOMAS AUGUSTE  
COUNTRY: SAINT LUCIA



# INTRODUCTION ABOUT COUNTRY

- THE ISLAND OF SAINT LUCIA IS LOCATED NEAR 14 N, 61 W IN THE SOUTH EASTERN CARIBBEAN.
- IT IS OF VOLCANIC ORIGIN AND AS A RESULT TOPOGRAPHY IS RUGGED WITH MANY PEAKS AND STEEP GORGES.
- AREA: 238 SQ MI OR 619 SQ KM POP: 174,000 (2010)
- HISTORICAL CULTURAL INFLUENCES ARE AFRICAN AND EUROPEAN (FRENCH & BRITISH). ENGLISH IS THE OFFICIAL LANGUAGE BUT A FRENCH BASED PATOIS IS SPOKEN BY MOST NATIVES.
- DISTINGUISHING PHYSICAL FEATURES ARE A DRIVE IN VOLCANO AND TWIN PITONS LOCATED AT SOUFRIERE.

# CLIMATE DATA COLLECTED

- TWO MANNED WEATHER STATIONS:
  1. GFL CHARLES AIRPORT...GPS N 14 01 21.0  
W 60 59 70.0
  2. HEWANORRA AIRPORT...GPS N 13 44 20.0  
W 60 57 07.0
- TWENTY (20) AUTOMATIC WEATHER STATIONS REPORTING IN REAL TIME.
- GFL CHARLES FROM 1967...
- HEWANORRA FROM 1973...

# CLIMATE VARIABLES COLLECTED

- TEMP (DRY, WET, MAX, MIN, WATER, SOIL).
- DEW POINT, RH, VAPOUR PRESSURE.
- WIND (SPEED, DIRECTION, WINDRUN AT HEWANORRA)
- EVAPORATION (HEW)
- SUNSHINE (HEW)
- RADIATION (2 AWS)
- PRECIPITATION
- ATMOSPHERIC PRESSURE
- *SENSORY DATA(CLOUD COVER, VIS, ETC).*

# CHALLENGES ENCOUNTERED

- GAPS IN AWS DATASET.
- QUALITY CHECKING OF AWS DATA.
- INADEQUATE BACKUP OF AWS DATA.
- DIGITIZING OF PAPER ARCHIVES FROM MANNED STATIONS ONGOING.

# ANY ADDITIONAL INFORMATION

- APPROX. 8 ADDITIONAL AWS TO BE INSTALLED INCLUDING MARINE STATIONS.