CAPACITY BUILDING WORKSHOP ON DATA RESCUE AND CLIMATE CHANGE INDICES
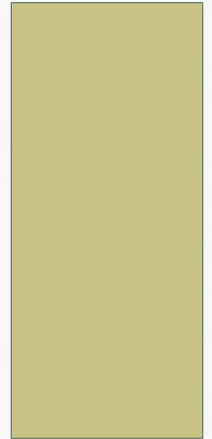
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COUNTRY: ANTIGUA AND BARBUDA

NOAA
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE

WMO

ABOUT ANTIGUA

- Antigua and Barbuda's history dates back to the Siboney followed by Arawaks, on to Christopher Columbus, through English and French settlers, the influence of sugar and the plantations, slavery and the years of colonialism. The island gained independence in 1981.

- Most Antiguan and Barbudan are descendants of the slaves, followed by mixed African and European. There are also Irish, British, Portuguese, and Arabs.

- The official language is English, many of the locals speak a form of Creole English.

- Most Antiguans are Christians.

UNIQUE

- [NELSONS DOCKYARD NATIONAL PARK](#) Lauded as the only working Georgian Dockyard in the Caribbean, Nelson's dockyard and the National Park form the heart of the yachting community in Antigua.

www.paradise-islands.org

CLIMATE DATA COLLECTED

- Caribbean Radio Lighthouse: Location - 17.07N 61.87W, rainfall data starts 1980

- V. C. Bird International Airport: Location - 17.13N 61.78W, rainfall data starts 1960

- Green Castle: Location - 17.1N 61.83W, rainfall data starts 1957

- Cades Bay: Location - 17.03N 61.83W, rainfall data starts 1979

- Christian Valley: Location - 17.05N 61.85W, rainfall data starts 1974

- Bethesda, Antigua: 17.048544°N 61.765412°W

- Codrington, Barbuda: 17.636766N 61.825693W

DATA COLLECTED/CHALLENGES ENCOUNTERED

- Wind direction and speed
- Cloud amount and type
- Temperature
- Rainfall
- Not enough stations for coverage
- Mostly agricultural stations and are for rainfall statistics
- Data not consistent or reliable due to lack of training
- Monthly data

ADDITIONAL INFORMATION

- More stations required, one (1)per ten (10) square mile
- Remote recording station sunder the guidance of the met office
- Improve storage and retrieval capacity using more computers
- Lack of funding, therefore data sharing with other organizations, e.g Environment Division, OECS agricultural project – climate change mitigation project , APUA, NODS, CIMH