



# Caribbean Climate Data Workshop

*“Enhancing Caribbean climate data collection and processing capabilities and the calculation and dissemination of derived global climate change information for the region”*

**Department of Physics  
University of the West Indies  
Mona, Jamaica  
January 8-12, 2001**

# Outline



## ■ Who?

- Sponsors
- Participants

## ■ Why?

- Rationale and Aims

## ■ How?

- Achieving the Aims

## ■ What?

- Results

# Sponsors

- National Oceanic and Atmospheric Administration - Office of Global Programs (NOAA/OGP via NASA grant)
- World Meteorological Organization
- University of the West Indies (Mona)



Who?



# Participants

- **18 Met Service Representatives**

Anguilla, Antigua, Bahamas, Barbados, Belize, Cayman, Cuba, Dominica, Dominican Republic, Haiti, Jamaica, Montserrat, Netherland Antilles, St. Lucia, St. Kitts, St. Vincent and the Grenadines, Trinidad

- **Regional climate interests**

UWI Climate Studies Group (CSGM), CIMH, CPACC, CAREC, Sugar Research Industry (Jamaica), Institute of Meteorology (Cuba)

- **Invited Speakers and experts**

NCDC, NOAA, KNMI, Hadley Centre, Australian BOM



Who?

# Two Ideas

## Climate Studies Group Mona (UWI)

Research constraints -  
unavailability of good quality climate  
data (station and daily) for validating  
models, theories.

## WMO

- Climate indices as proxy for data
- Working Group on Climate Change  
Detection proposed regional  
workshops similar to APN  
model.



Why?

# Aims

1. Assessing the data reservoirs.
2. Training in quality checking and homogeneity techniques.
3. Dissemination of software
4. Adoption of a set of relevant indices
5. Producing a small dataset for research purposes.



Why?

# Context

- **Caribbean climate variability**
  - **Dr. A. Giannini** (NCAR)
- **Atlantic hurricanes in the 21st century**
  - **Dr. H. Willoughby** (Hurricane Research Division AOML/NOAA)
- **Model projections in the Caribbean basin** - **Dr. B. Santer** (Lawrence Livermore National Laboratory)

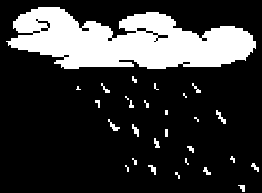


How?

# The Data



- ❖ *Discussion of issues of importance, value, uses.*
- ❖ *Report on current data collection capabilities*
- ❖ *Discussion on Quality Checking*
- ❖ *Discussion on Homogeneity*
- ❖ *Discussion on Climate Indices*



How?

# Getting down to Business



- Participants brought data
- **Three days in lab working on Climdex Version 1**
- Climdex -

Developed at NCDC

Quality checking,  
homogeneity, indices.

Excel



How?

# Results

- Improving institutional links
- Importance of the daily data
- Training
- Software dissemination
- Paper
- Database



What?