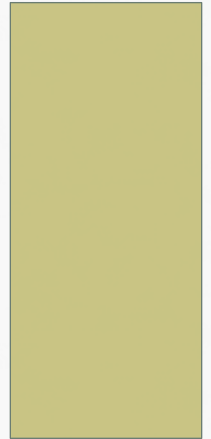




TOPIC

NAME: ROSALIND BLENMAN
COUNTRY: BARBADOS



INTRODUCTION TO COUNTRY



INTRODUCTION TO COUNTRY

- Barbados is the most easterly of the Eastern Caribbean Islands. It has an area of 430 sq km (166 sq mls) and a population of over 260,000 people – which is quite high considering its size. Flat Land mass compared to other islands.
- The highest point is Mount Hillaby (1,115ft, 343m) in the north central area. The island surrounded by 97km (60 mls) of coastline hence it has much to offer its visitors in terms of water sports and beach activities.
- Barbados has a wet and a dry season. Dry season extends from Dec-May, while wet season is from June to Nov.

CULTURE

- Bajans: Friendly, fun-loving , spiritual and religious conscious people(95% of the populace identify as christians).
- Language: English (official lang), or Bajan Dialect
- Music : Calypso, Reggae, spouge,jazz, R&B and tuk
- Festivals: Crop Over (late May- August) climax with Grand Kadooment, B'dos host Jazz Festival (Jan), Holetown (mid Feb) Oistin's Fish Festival (Easter)
- National Dish is cou-cou and flying fish . However the popular pudding and souse is sought after on Saturdays by most bajans.

CLIMATE DATA COLLECTED

STATIONS	PARISH	MARCH	MONTH TOTAL	RAINDAY S
BANATYNE GARDENS	CHRIST CHURCH	2012	82.6	5
BAWDEN	ST ANDREW	2012	61.0	6
BELLEVILLE	ST MICHAEL	2012	19.8	1
BRIGHTON PLTN	ST.GEORGE	2012	37.9	8
BWA BOWMANSTON	ST JOHN	2012	42.4	6
C.M.H.I	ST JAMES	2012	45.5	7
CAMBRIDGE	ST JOSEPH	2012	52.9	5
CANEFIELD PLANTATION	ST THOMAS	2012	73.9	11
COLLETON PLANTATION	ST JOHN	2012	61.0	10
DRAXHALL PLANTATION	ST GEORGE	2012	48.4	10
GRANTLEY ADAMS AIRPORT	CHRIST CHURCH	2012	38.3	5
GREENLAND	ST ANDREW	2012	51.6	5
HAGGATTS	ST ANDREW	2012	50.8	5
JOES RIVER	ST JOSEPH	2012	54.2	7
LEARS PLANTATION	ST MICHAEL	2012	74.9	10
MOUNT ALL	ST ANDREW	2012	62.7	6
RAWINSONDE STATION	CHRIST CHURCH	2012	40.0	7
RETREAT	ST LUCY	2012	53.6	4
SEDGEPOUND PLANTATION	ST ANDREW	2012	56.3	5
SPRINGVALE	ST ANDREW	2012	75.4	10
UNION HALL	ST PHILIP	2012	20.3	6
WALKERS TERRACE	ST GEORGE	2012	52.8	10

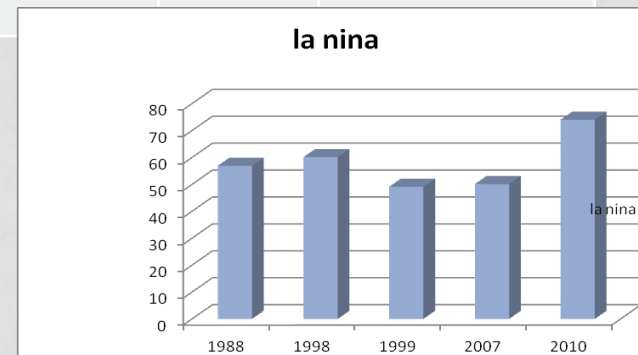
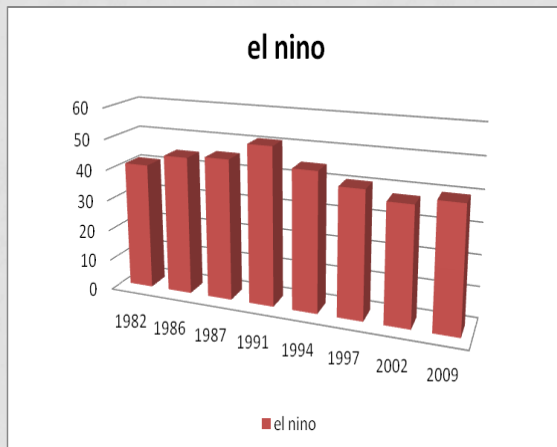
CLIMATE VARIABLES COLLECTED

- Dry Bulb Temp
- Wet Bulb Temp
- Relative Humidity
- Windspeed and Direction
- Cloud Cover
- Visibility
- Sunshine
- Vapor Pressure
- Mean Sea Level Pressure
- Station Level Pressure

Max and Min Temp

BASE ON THE BELOW DATA WE CONCLUDED THAT OUR RAINFALL PATTERN IS INFLUENCED TO A LARGE EXTENT BY THE PRESENCE OF EL NINO/LA NINA EVENTS WITH WELL ABOVE NORMAL RAINFALL OCCURRING DURING LA NINA EPISODES AND NORMAL OR BELOW NORMAL RAINFALL RESULTING DURING AN EL NINO EVENT.

YEAR	Rainfall Total (in)	YEAR	Rainfall Total (in)	YEAR	Rainfall Total (in)
1981	68.47	1991	51.04	2001	47.95
1982	41.00	1992	52.77	2002	37.98
1983	38.22	1993	41.87	2003	38.56
1984	53.50	1994	44.81	2004	63.92
1985	53.90	1995	50.47	2005	66.34
1986	44.82	1996	48.76	2006	45.17
1987	45.69	1997	40.80	2007	50.13
1988	56.83	1998	60.14	2008	58.19
1989	40.82	1999	49.13	2009	39.92
1990	49.44	2000	50.37	2010	74.20
TOTAL	492.69		490.16		522.36
10-Year Average	49.26		49.01		52.23



N.B: 30-year average rainfall total (1981-2010) at G.A.I.A is 46.41 inches

CHALLENGES ENCOUNTERED

- No major challenges with regards to collection of data at GAIA over the years, however last year the AWS malfunctioned due to lightning strike (Sept 9th) – obtained variables manually. Data is collected, quality checked, and archived daily.
- Reliability of data from some of the other stations – due to incorrect exposure.
- Consistency of readings- rainfall may be allowed to accumulate for more than twenty-four hours.
- Rainfall data is normally posted and is not received in a timely manner.

ADDITIONAL INFORMATION & PLANNED INFRASTRUCTURAL CHANGES

- Presently there is no established Climatological Department at GAIA. However we are looking at the possibility of establishing one in the near future.
- Building (Met Office) will be relocated in the near future. Plans for a synoptic site close to the station. However the aeronautical site will remain on GAIA compound.
- A new AWS was installed at the Rawinsonde station (upper air station) to be used as a back-up in the event that the main AWS goes out of commission.

THANK YOU