

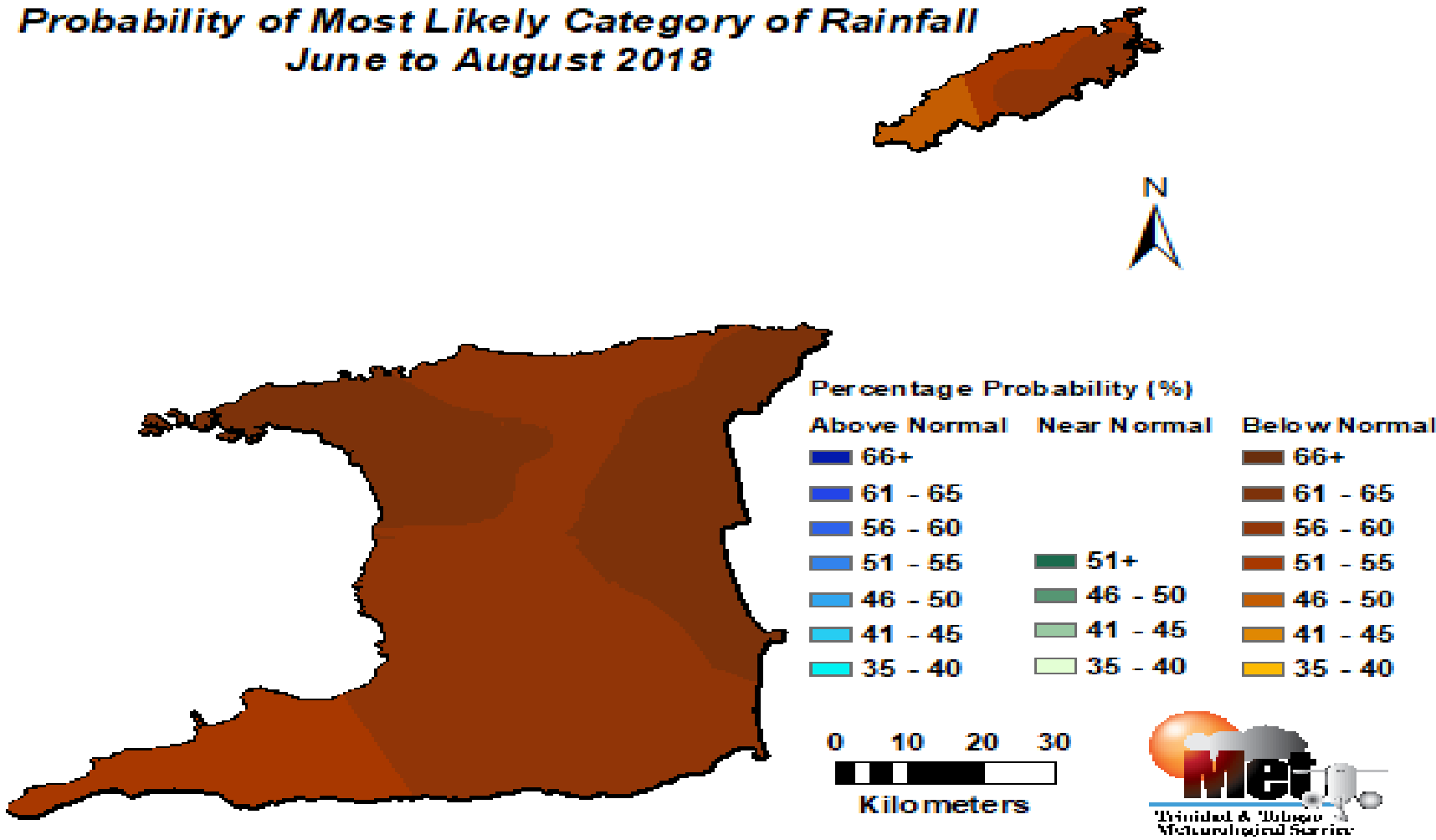
Verification of TTMS Seasonal Climate Outlooks



Presented by: Kenneth Kerr Climatologist

Erratic 2018 Wet Season Ahead

*Probability of Most Likely Category of Rainfall
June to August 2018*



Early Wet Season (June to August)

Slower than usual onset

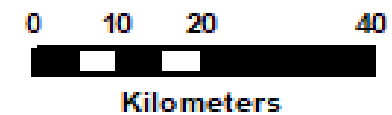
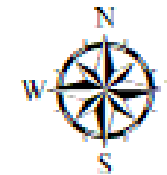
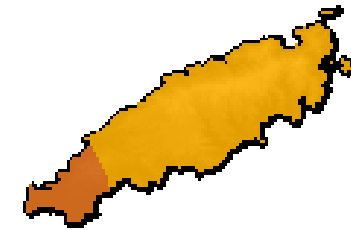
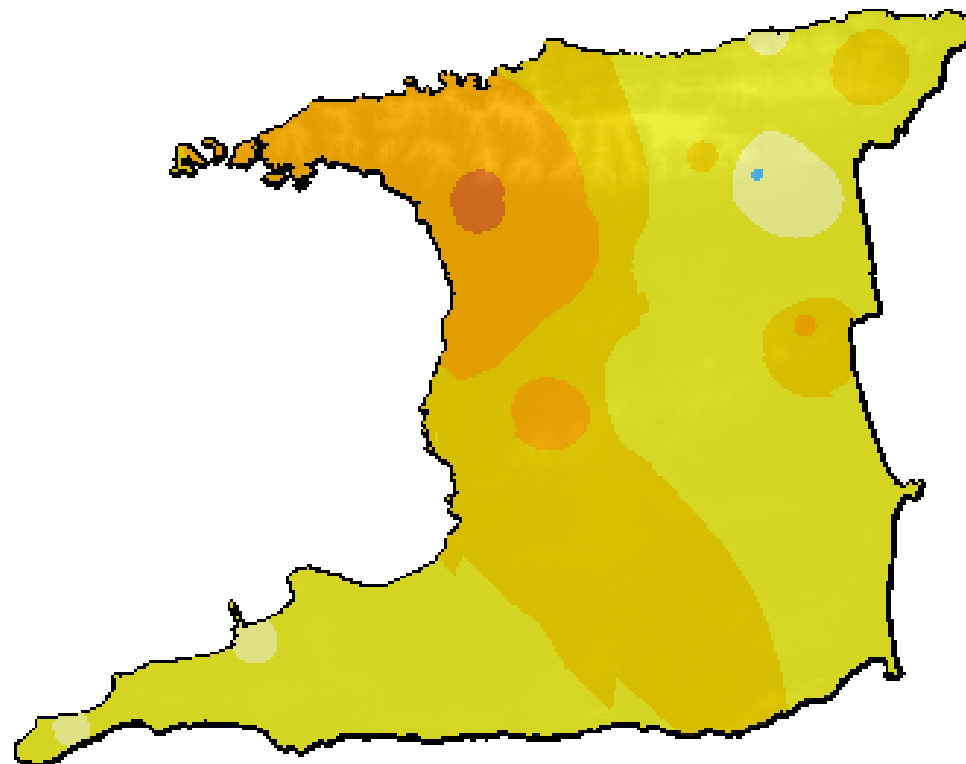
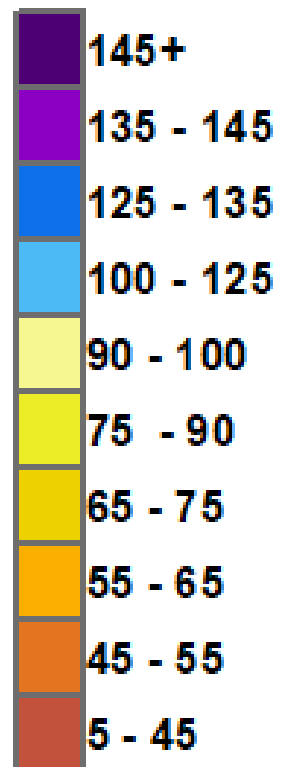
Drier than usual start

Below normal rainfall (less than 75 % of the average) has the highest chance of occurring during June to August

Snapshot Of June 2018

Rainfall Departure Maps June 2018

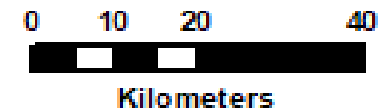
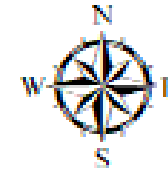
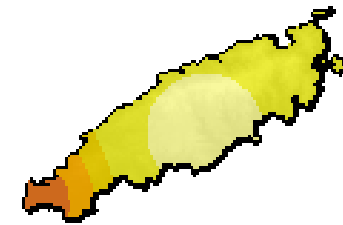
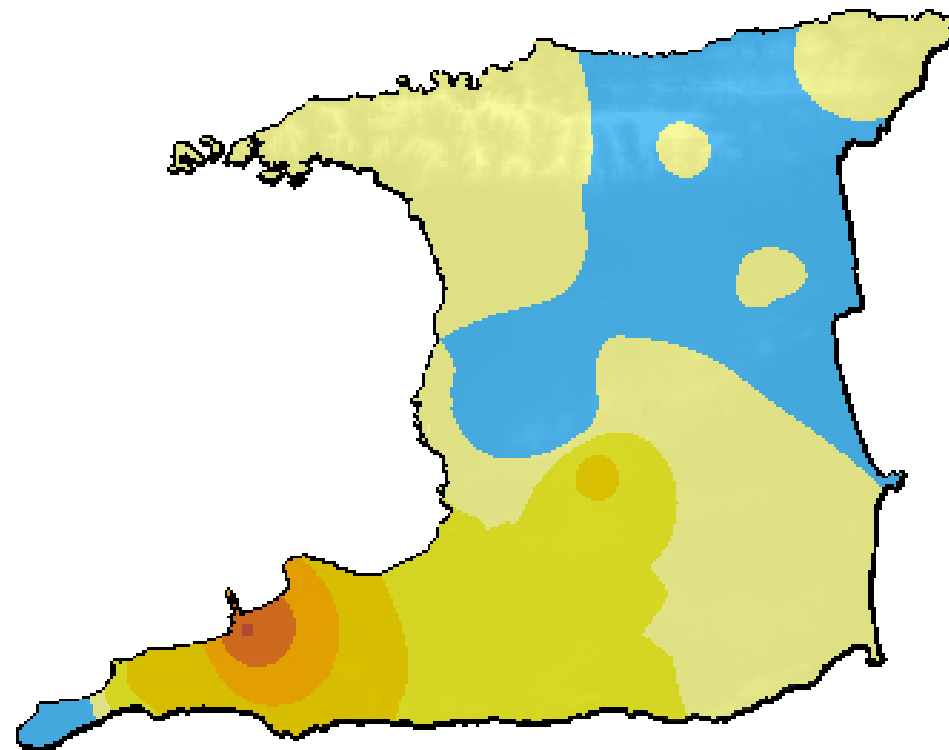
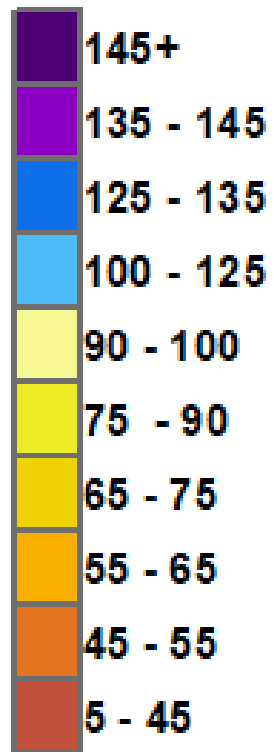
% Of Average



Snapshot Of July 2018

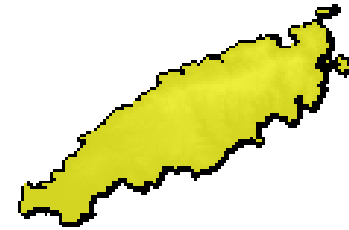
Rainfall Departure Maps July 2018

% Of Average

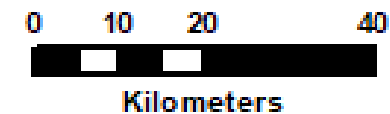
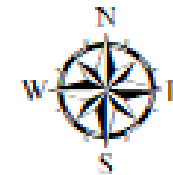
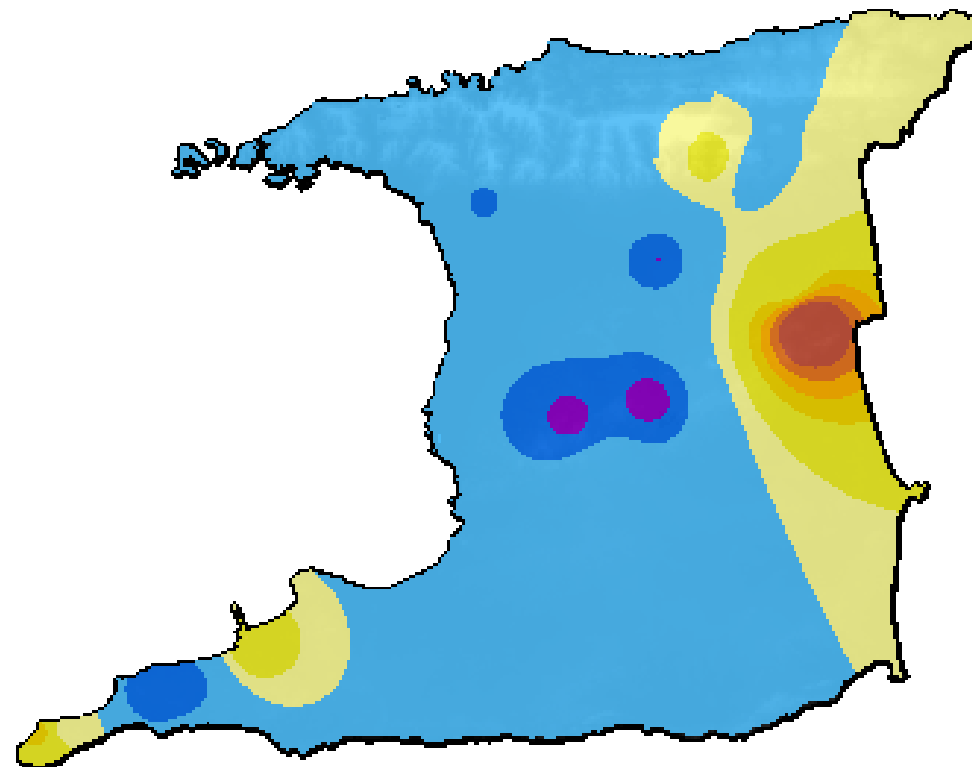
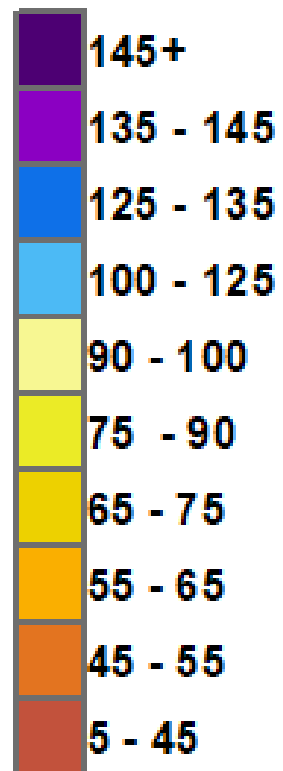


Snapshot Of August 2018

*Rainfall Departure Maps
August 2018*

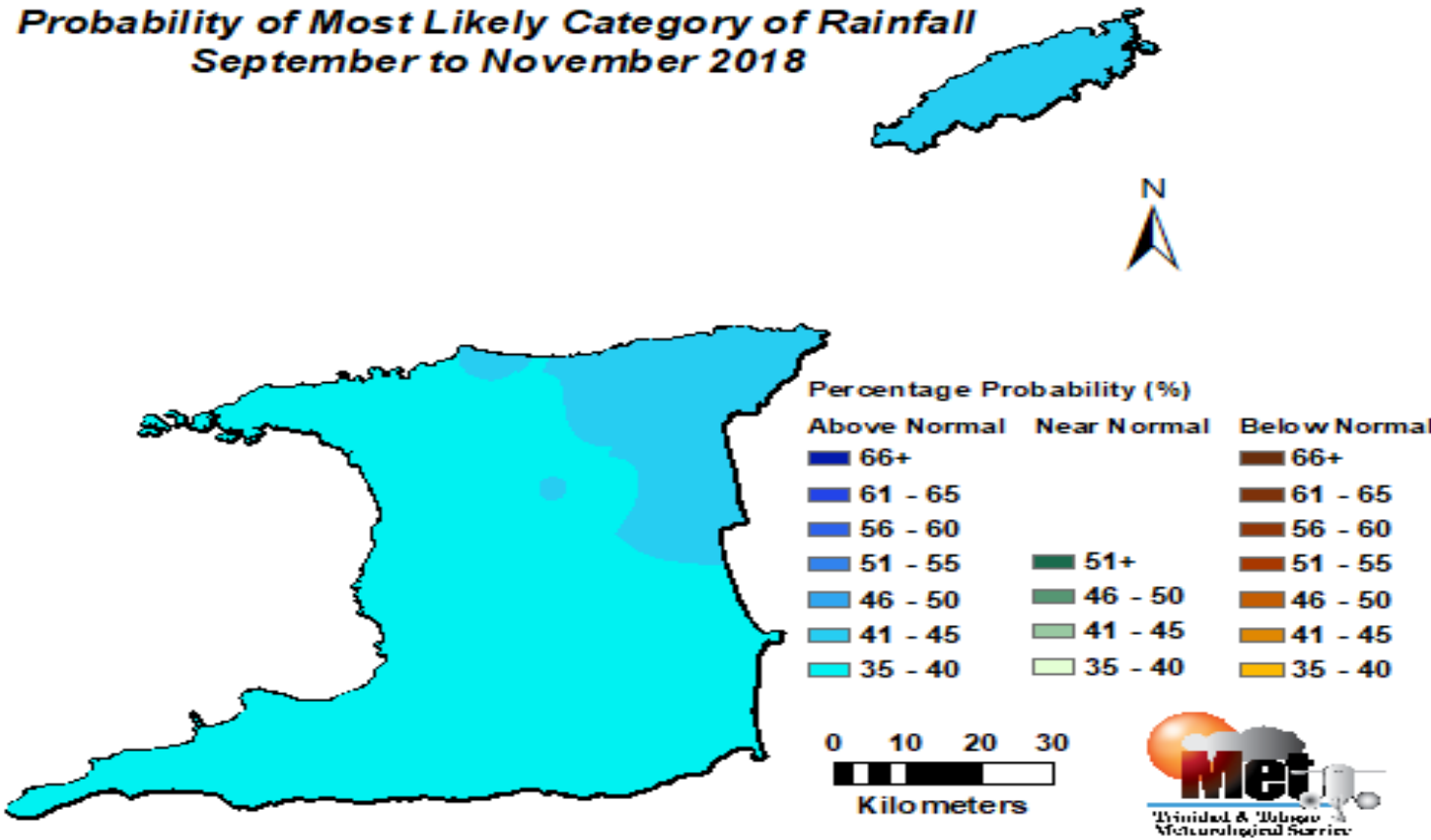


% Of Average



Late Wet Season (September to November)

*Probability of Most Likely Category of Rainfall
September to November 2018*



Wetter than usual conditions favoured

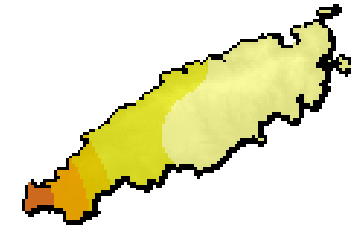
Risk of flood events similar to last October 2017 remains very high

Above normal rainfall totals has highest chance of occurring (totals greater than 125% of average) during September to November

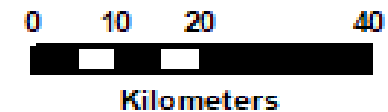
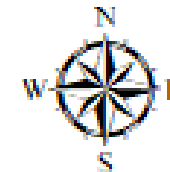
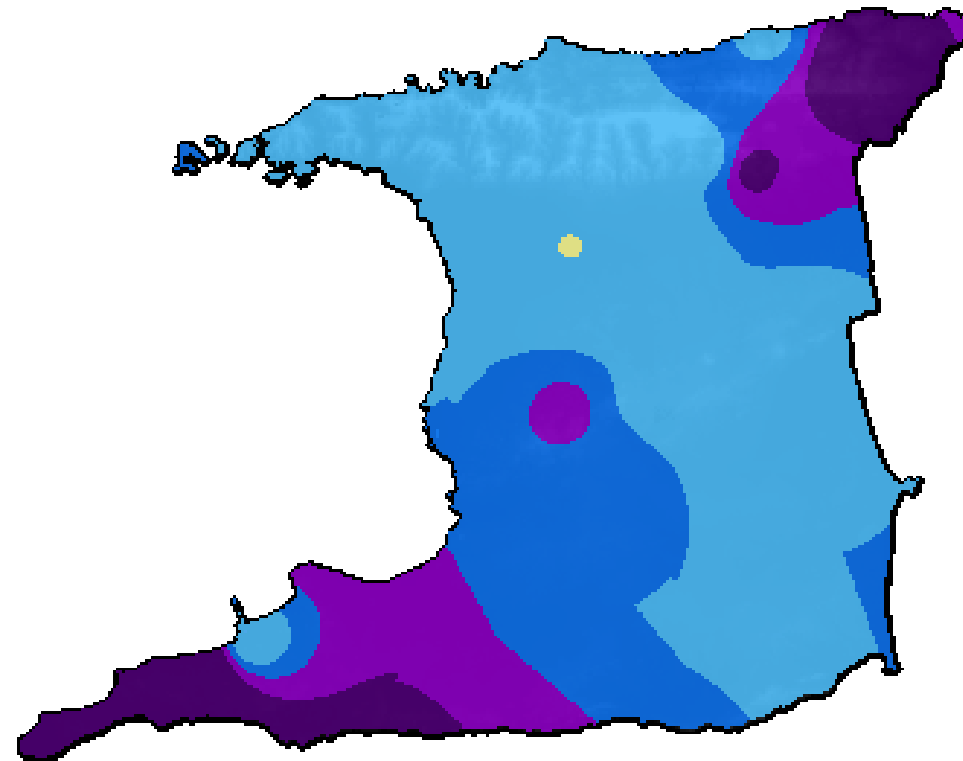
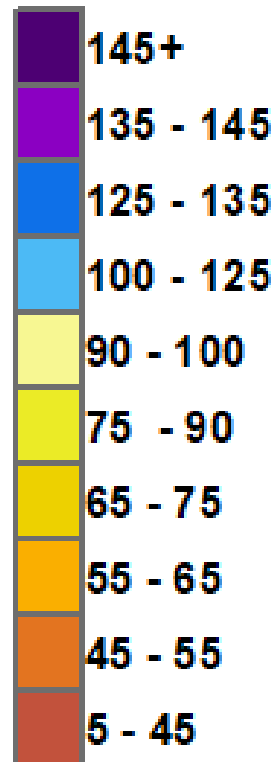
Risk of a re-occurrence of flooding similar to last October still high

Snapshot of 2018 September Rainfall

*Rainfall Departure Maps
September 2018*



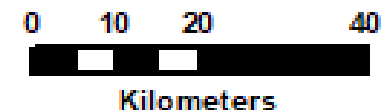
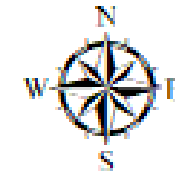
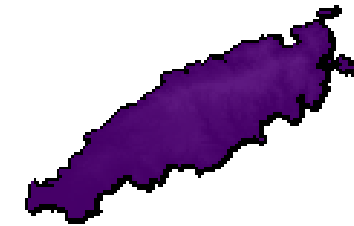
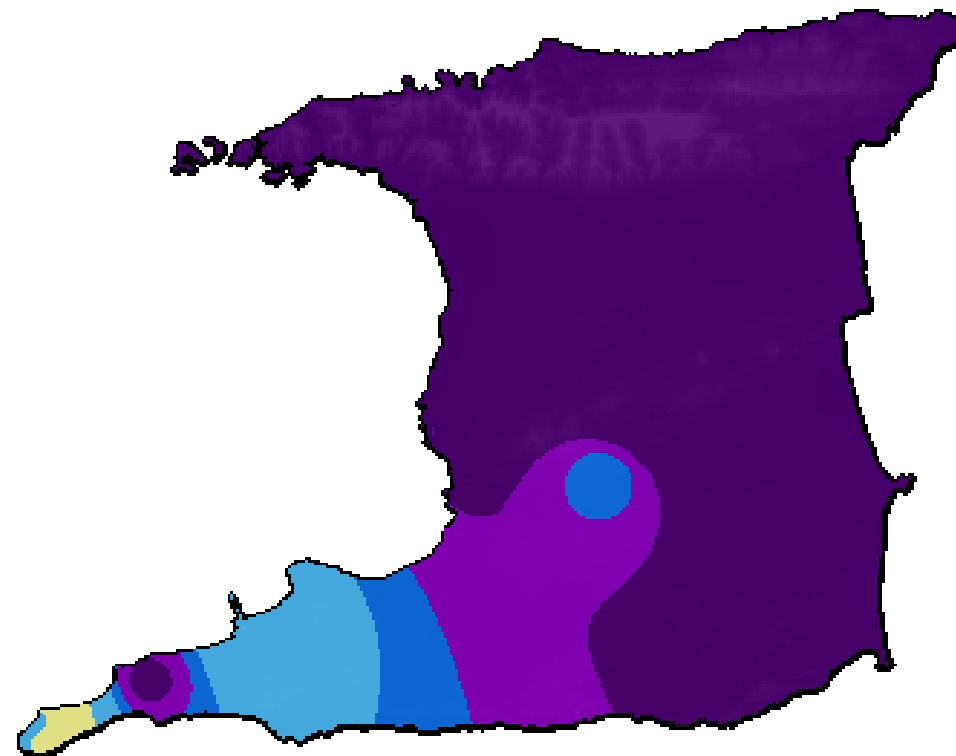
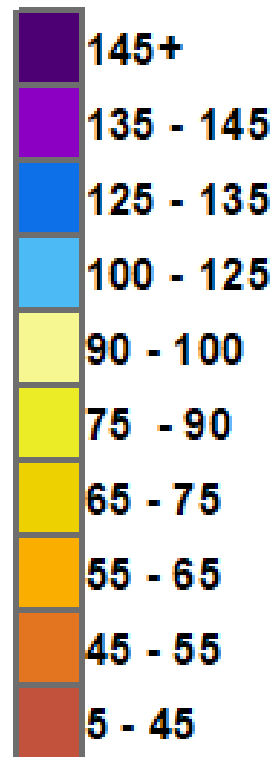
% Of Average



Snapshot of 2018 October Rainfall

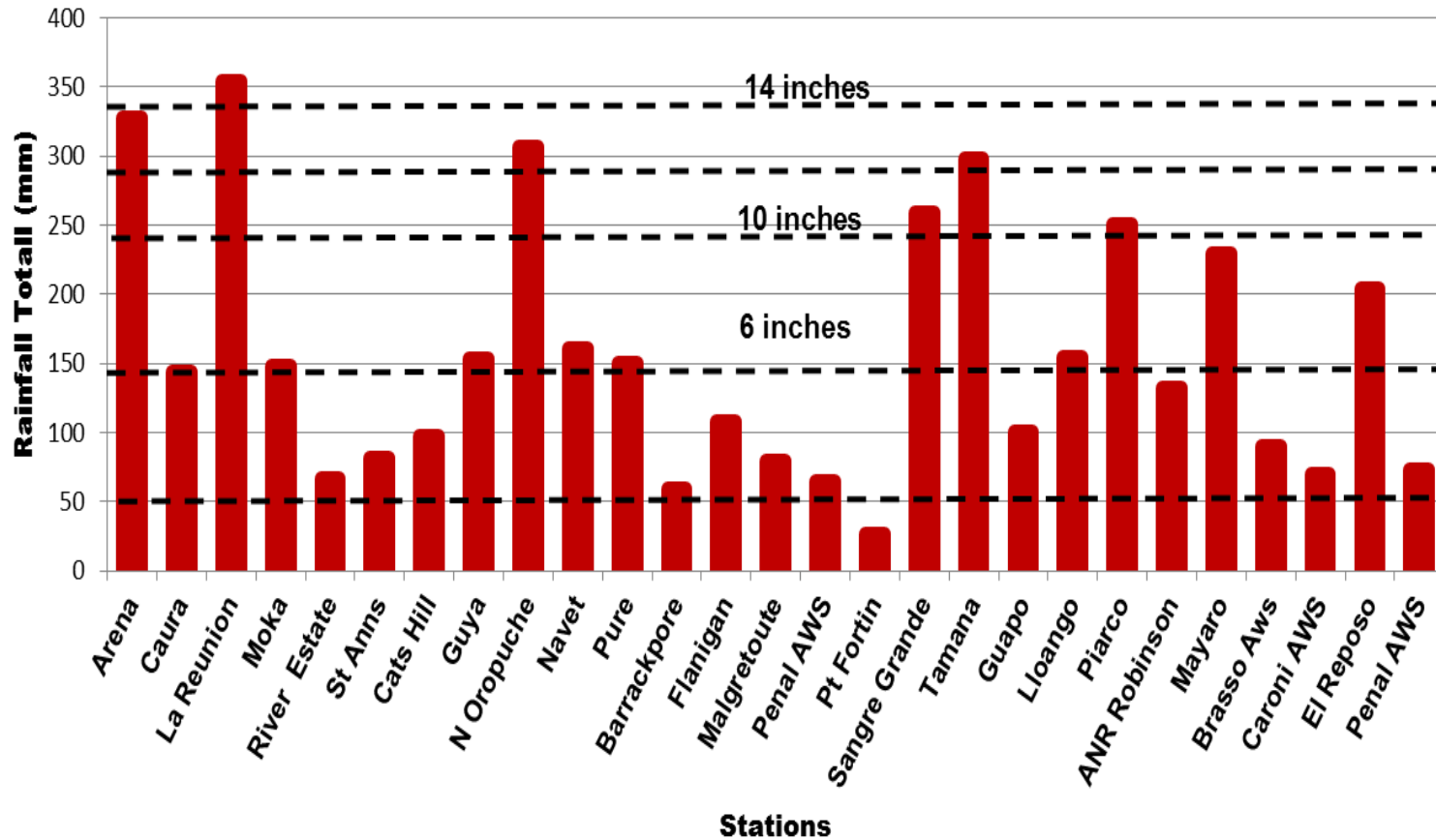
*Rainfall Departure Maps
October 2018*

% Of Average



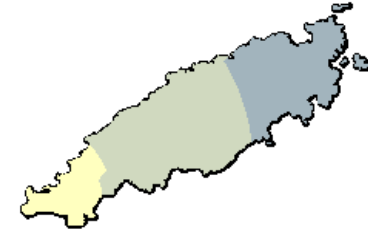
Snapshot of October 2018 Rainfall

**3-Day Rainfall Totals
17-19 Oct 2018**

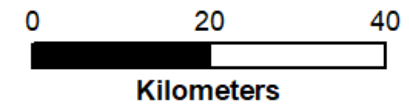
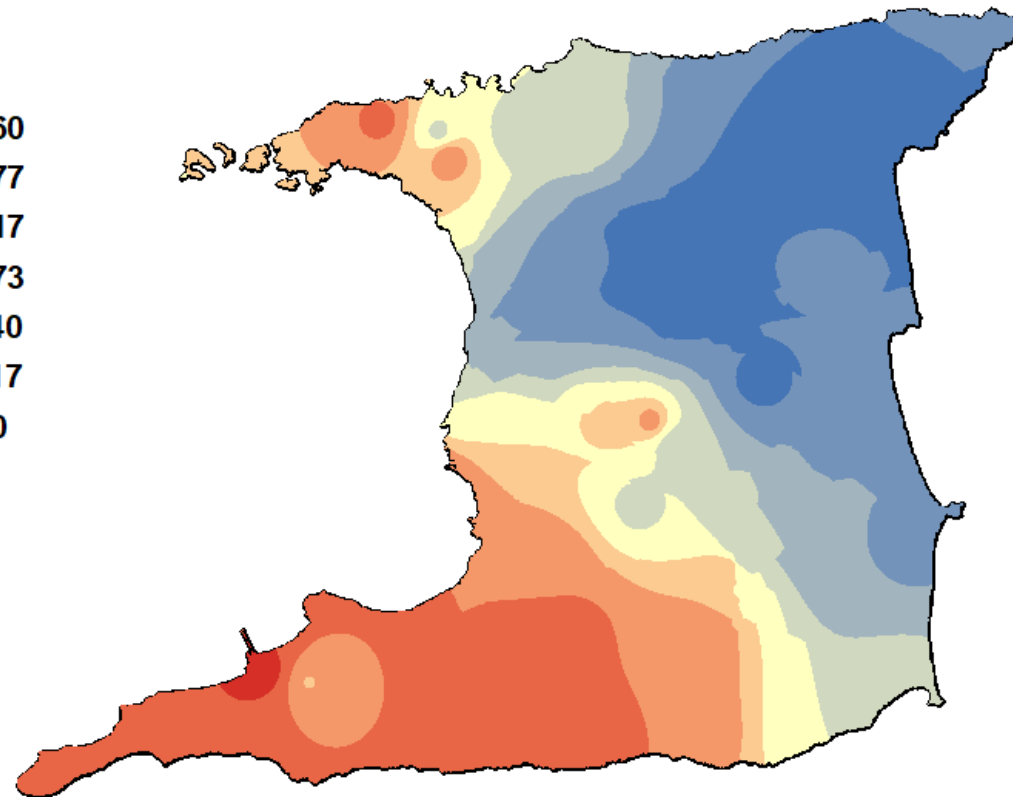
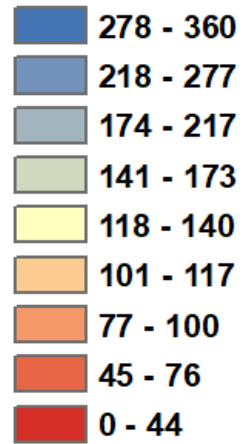


- Unprecedented rainfall and flooding**
- 6 – 14 Inches (150 -356 millimeters) over 60 hours (2 ½ days)**
- Very active complex ITCZ weather system with copious moisture**
- Uncharted extreme weather territory**
- Top end of rainfalls seen in Trinidad and Tobago in the last 50 years**

**Three Day Accumulation of Rainfall
October 17th to 19th, 2018**



Legend

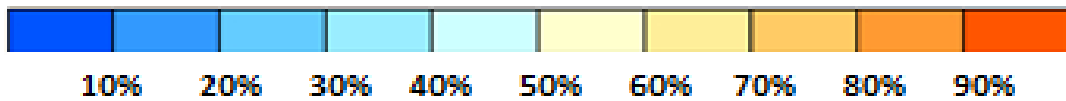


How Good Are Our Seasonal Forecasts: Objectively

Most Important attribute:

- Can it Forecasts Different Seasons When They Occur**

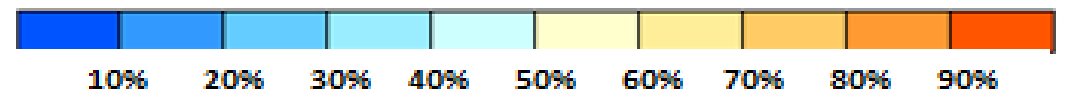
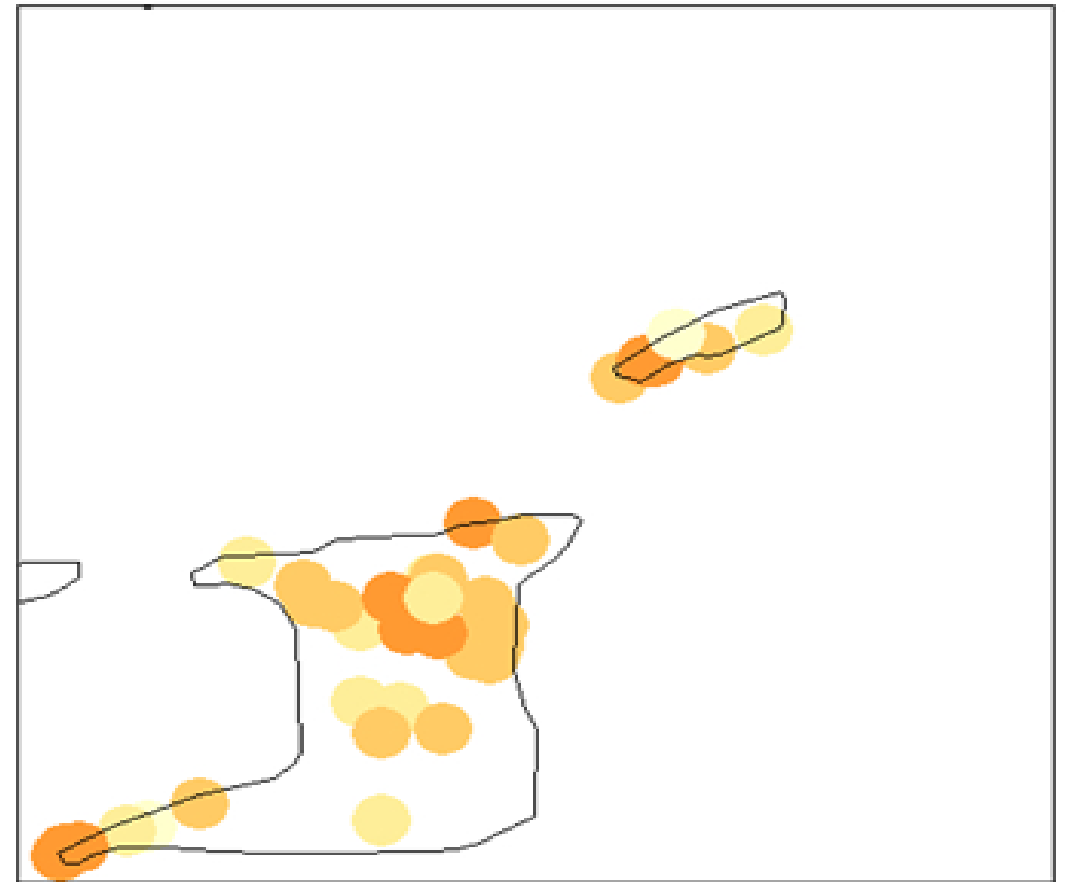
**Forecast Compared With Observed Below-Normal
Rainfall For Dry Seasons 1981-2017**



**Percent of Times Forecasted Below-Normal Rainfall
for Dry Seasons Matched Observed Below-Normal
Dry Seasons 1981-2017**

Model Re-forecast Performance

**Forecast Compared With Observed Above-Normal
Rainfall For Dry Seasons 1981-2017**



**Percent of Times Forecasted Above-Normal Rainfall
for Dry Seasons Matched Observed Above-Normal
Dry Seasons 1981-2017**

Citizens, Decision Makers, Stakeholders:

- ❖ Take the Met Office Seasonal Outlooks Seriously**
- ❖ Use them to make better and more informed decisions**

- They can save lives and property**

- They can aid in reducing loss and damage**

- They can assist with contingency planning**

- They can help your business succeed**



National Climate Outlook Forum (NCOF) 8

Thank You

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