

## National Climate Outlook Forum (NCOF) IX

# 2019 Wet Season

&

# Hurricane Seasons Outlook

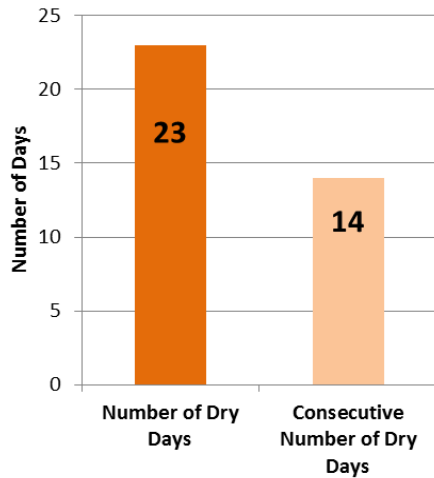
**Presenter:**

**Climatologist Kenneth Kerr**

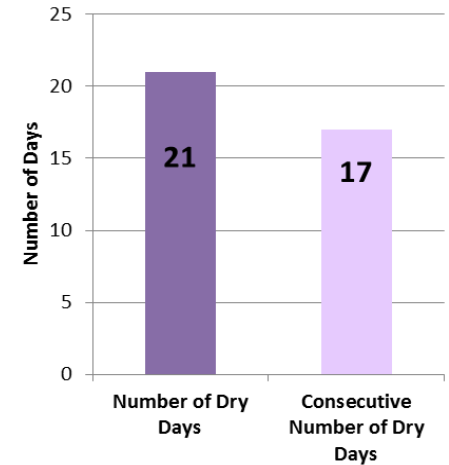
# Snapshot of 2019 Dry Season

## Number of Dry Days & Consecutive Dry Days

### January 2019



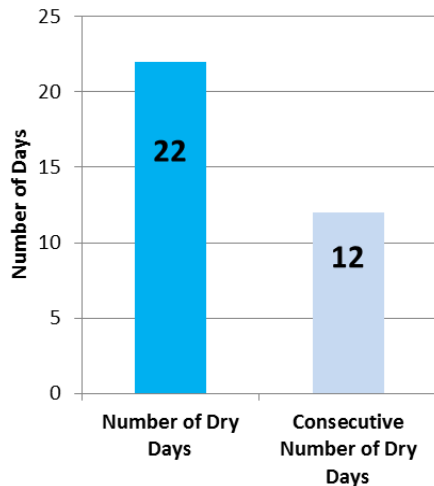
### February 2019



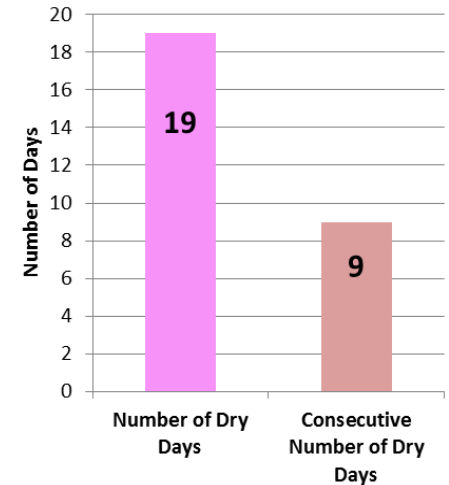
**Piarco**

**May 2019 Rainfall  
=  
31.2 mm  
or  
25% of Average**

### March 2019



### April 2019



**Bush fires have  
elevated flood  
risk for flood  
prone areas**

# 2019 Wet Season & Hurricane Season Forecasts

**“Be Weather Ready”**

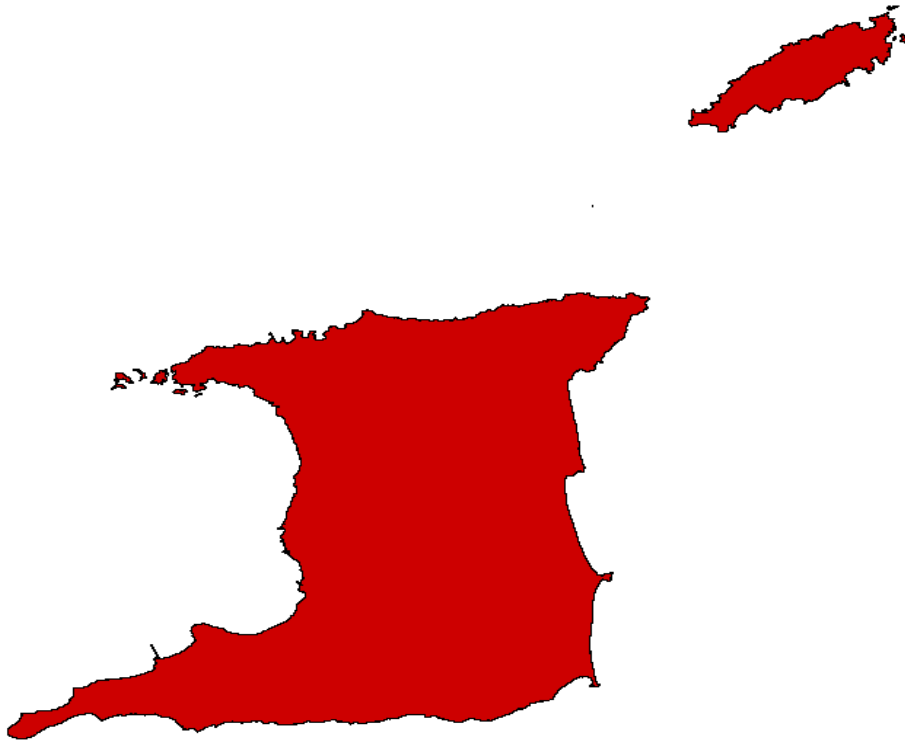
**&**

**“Climate Smart”**

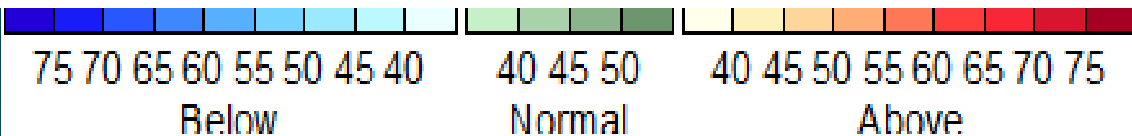
**“Use Met Service Forecasts”**

# Wet Season 2019 Temperature Forecast

## Maximum & Minimum Air Temperature



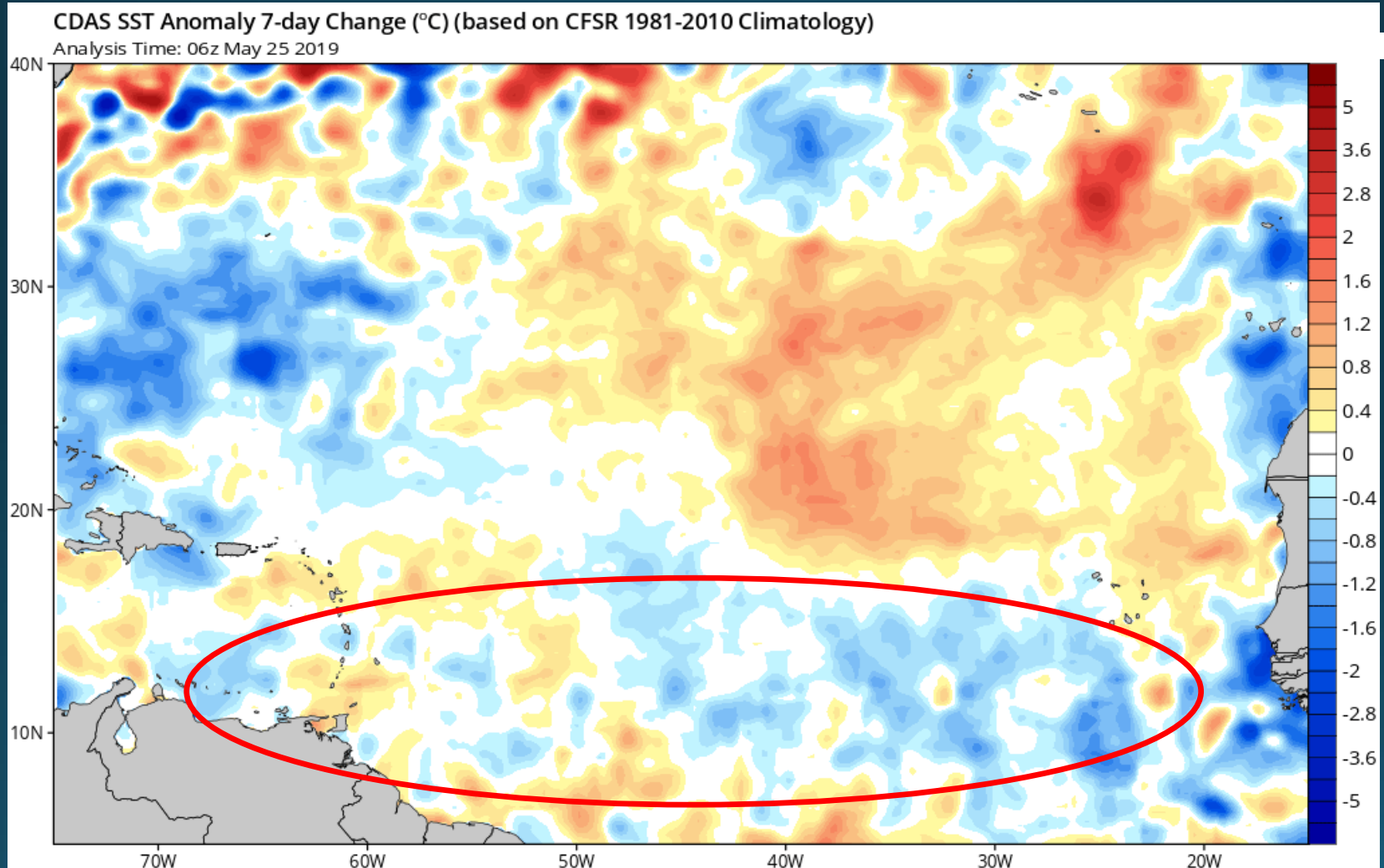
Chance of Below Normal, Normal or Above Normal



- ☐ Warmer than usual days and nights are likely to persist
- ☐ 72% chance for above average max & min temperatures
- ☐ Concerns for short-duration hot spells & hot days is heightened for August to October

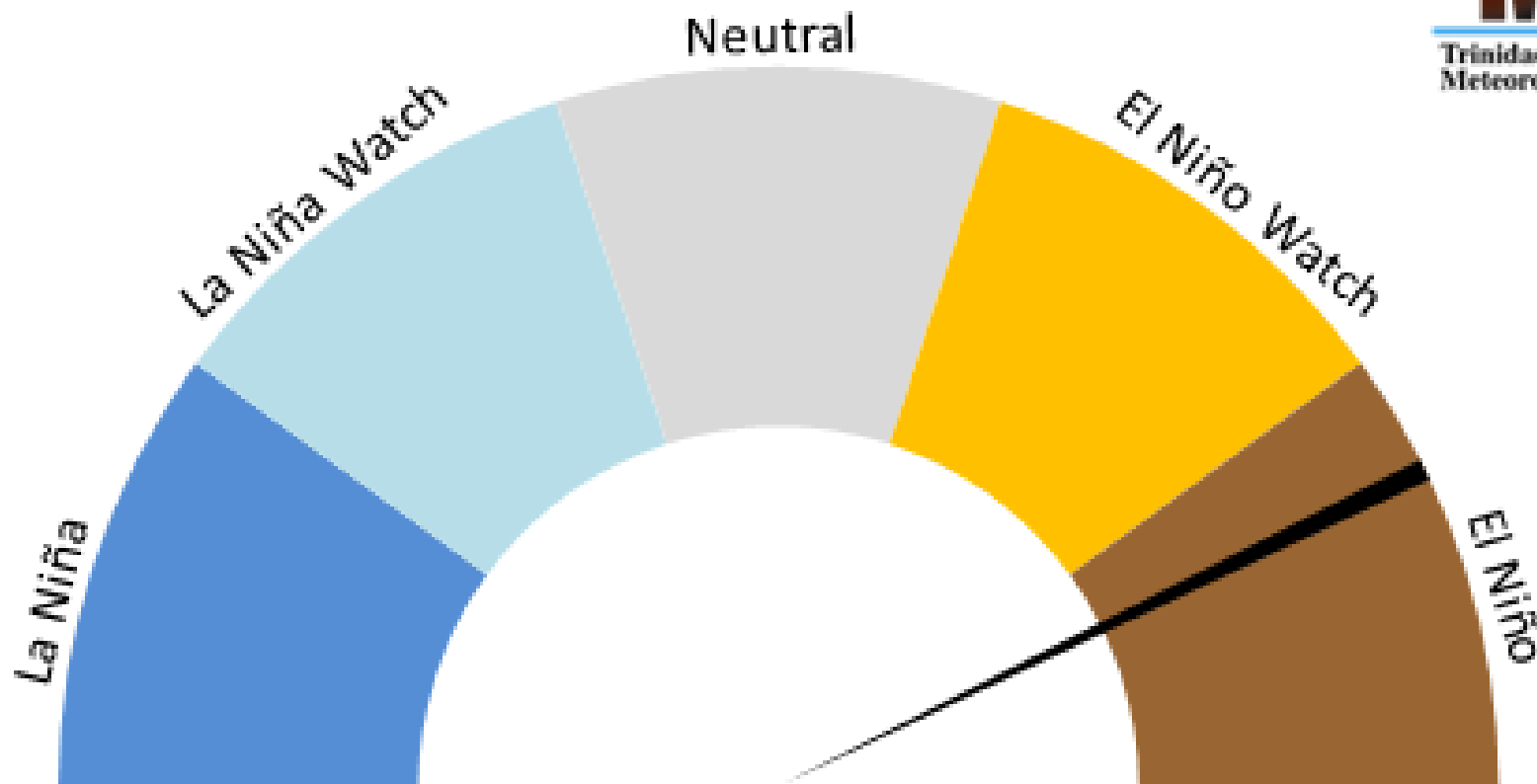
# So What Is Driving Our Climate Right Now?

**Mixture of cooler / warmer than average waters around T&T**



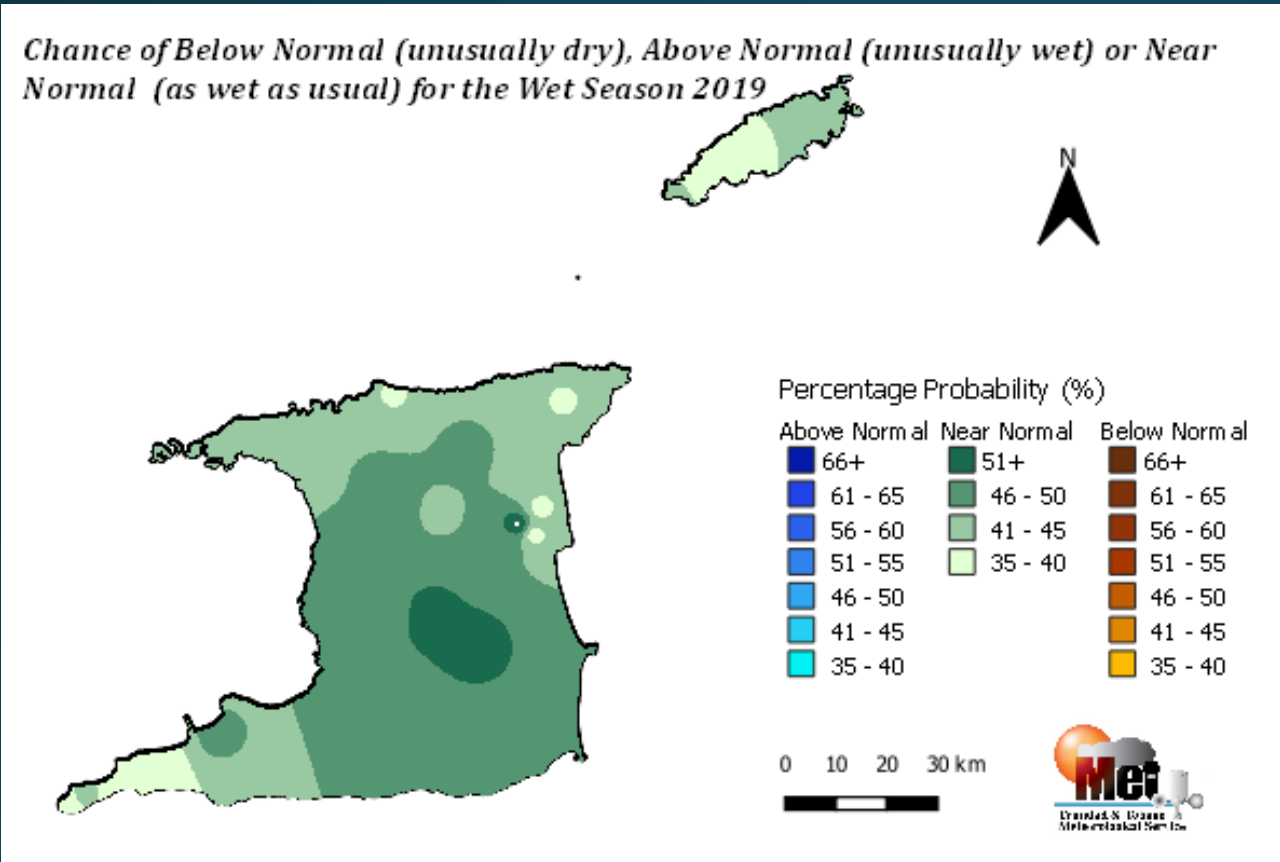
# Also Much Warmer Than Usual Waters (El Niño) in Central & Eastern Pacific Ocean

## ENSO OUTLOOK



# Overall Wet Season Rainfall Outlook

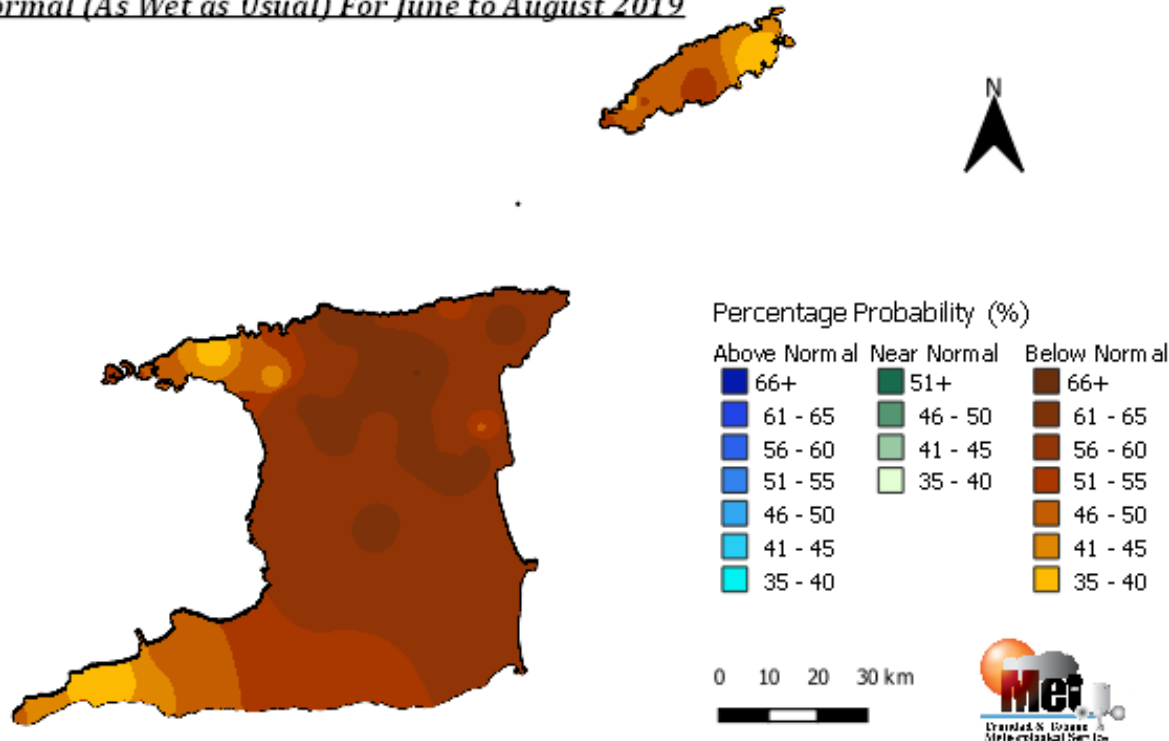
- ❑ **Near average rainfall has highest chance of occurring**
- ❑ **National wet season average = 1643 mm T/dad = 1408 mm T/go**
- ❑ **Usual number of extreme wet spells expected**



**Green Colours = As Wet As Usual (near average)**

# Early Wet Season (June to August)

Chance of Below Normal (Unusually Dry), Above Normal (Unusually Wet) Or Near Normal (As Wet as Usual) For June to August 2019



Below average rainfall (less wet than usual) has the highest chance for June to August 2019

Gradual increase in rainfall expected

Below average JJA could still be a large amount of rainfall

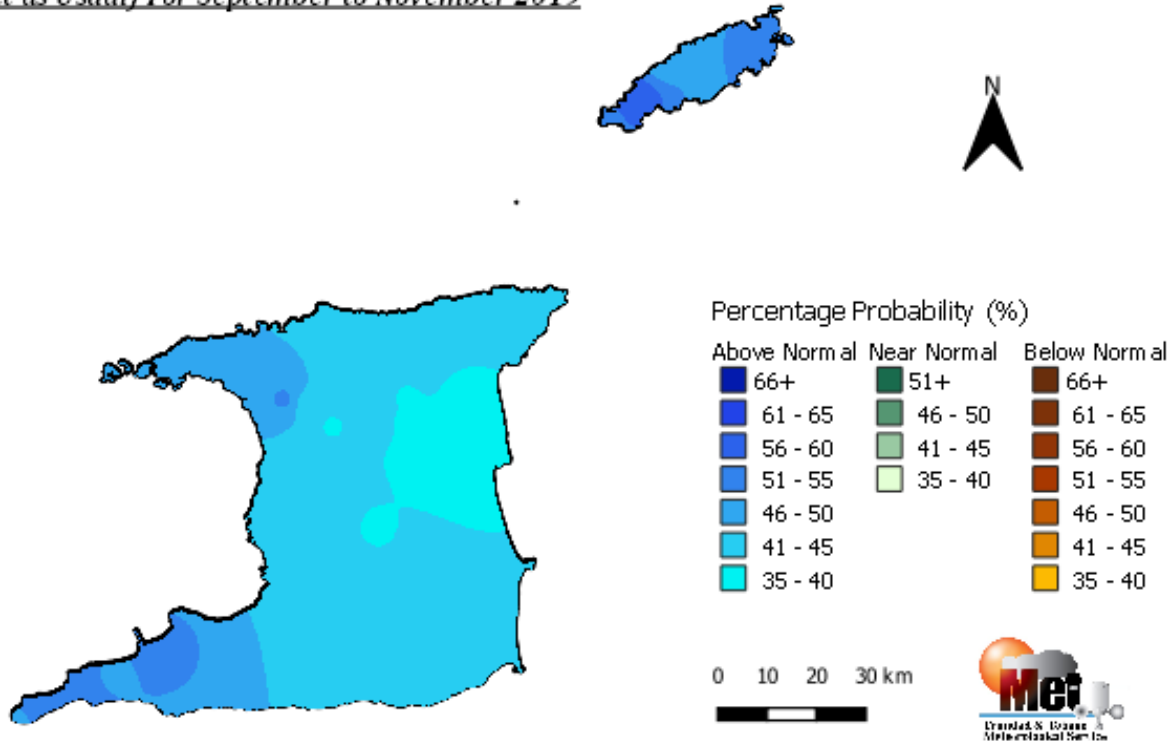
Concerns for flash flooding still exist

**Brown Colours =  
Less Wet Than Usual (below average)**



# Late Wet Season (September to November)

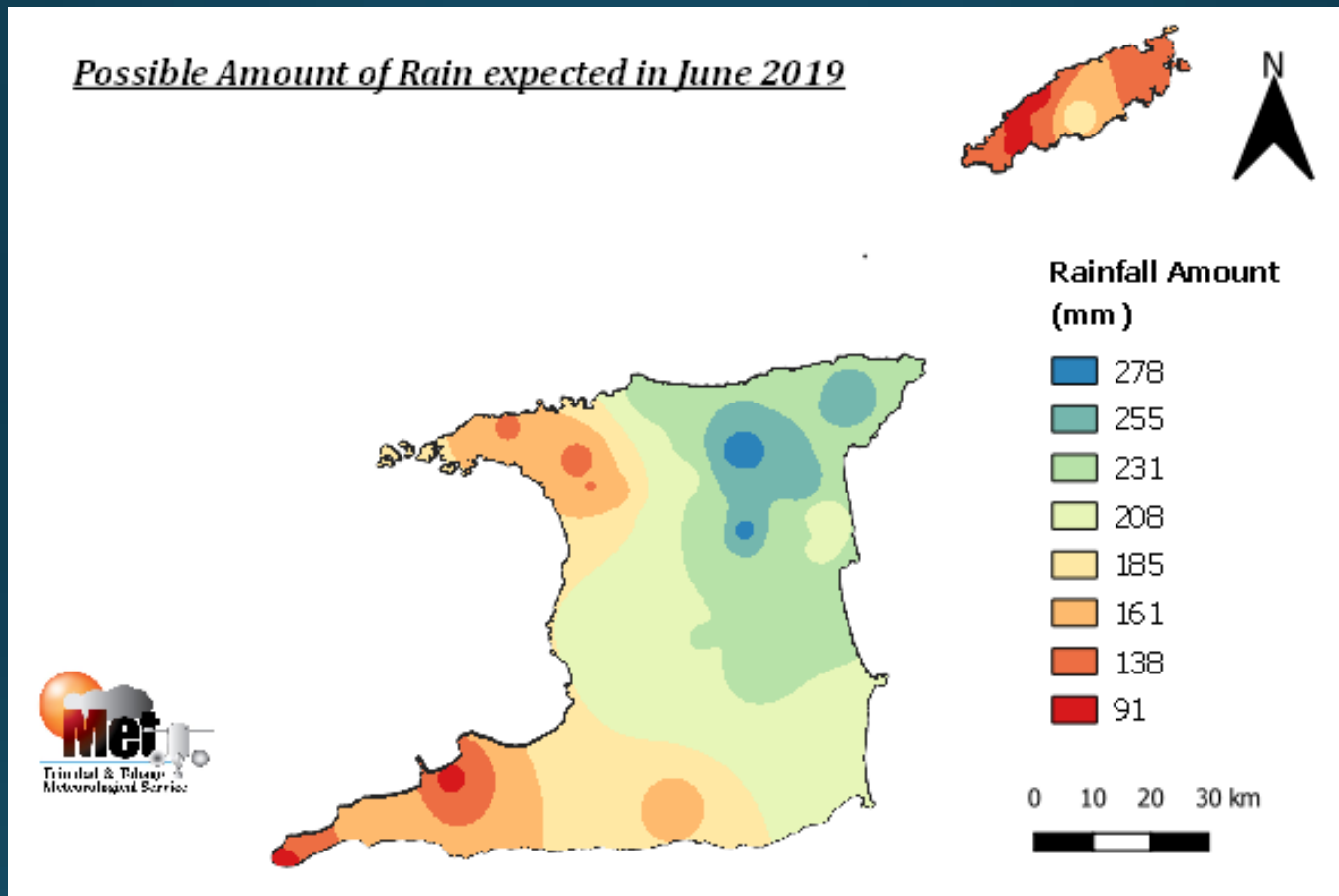
Chance of Below Normal (Unusually Dry), Above Normal (Unusually Wet) Or Near Normal (As Wet as Usual) For September to November 2019



- Wetter than usual conditions (much more rainfall than usual) has highest chance of occurring during SON
- Above average rainfall expected
- Elevated concerns for flooding

**Blue Colours =  
Wetter Than Usual (above average)**

# Possible Rainfall Totals For June 2019



**Likely rainfall totals for June range from 91 mm to 278 mm**

**June average rainfall ranges between 150 mm and 360 mm**

# Hurricane Season Prediction For Area of Interest To Trinidad & Tobago

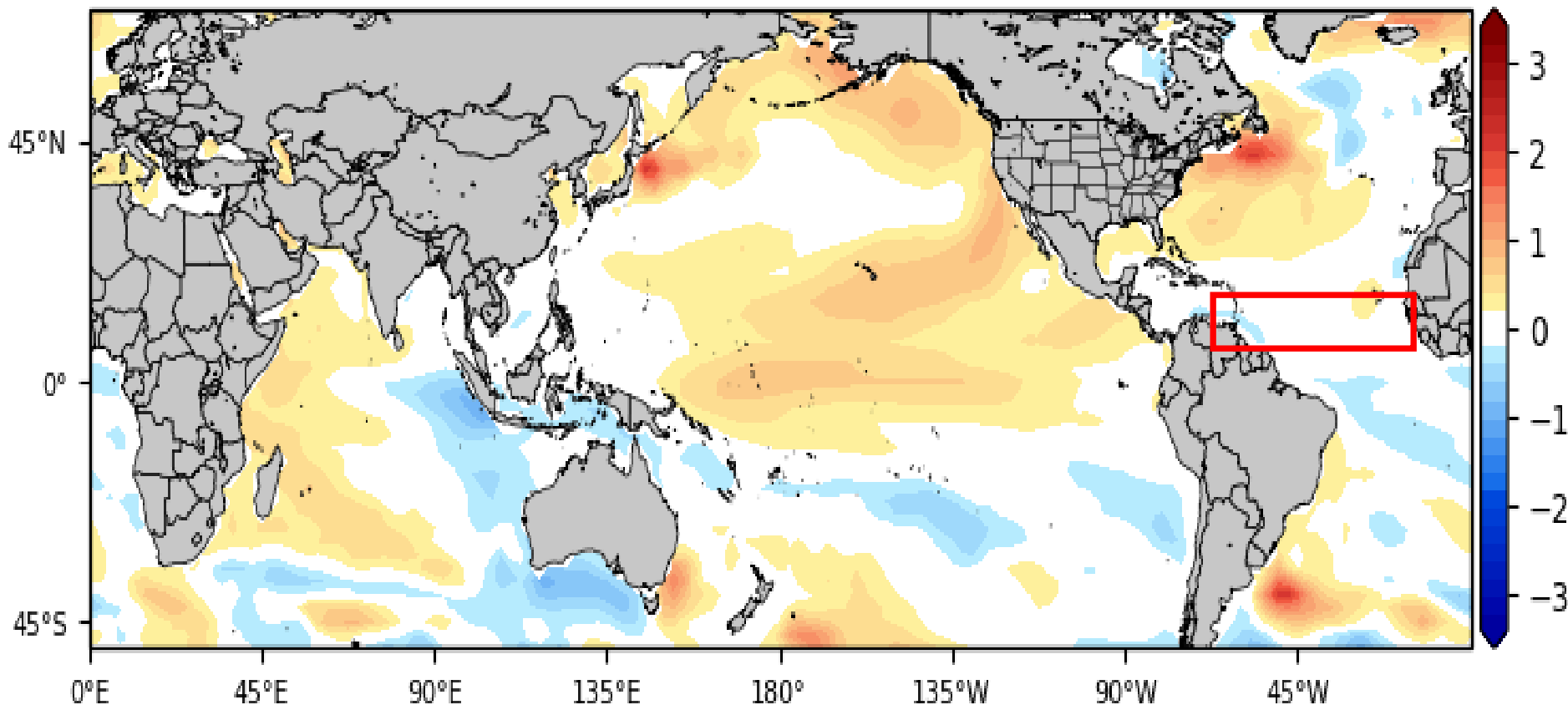


# Hurricane Season Prediction For Area of Interest To Trinidad & Tobago



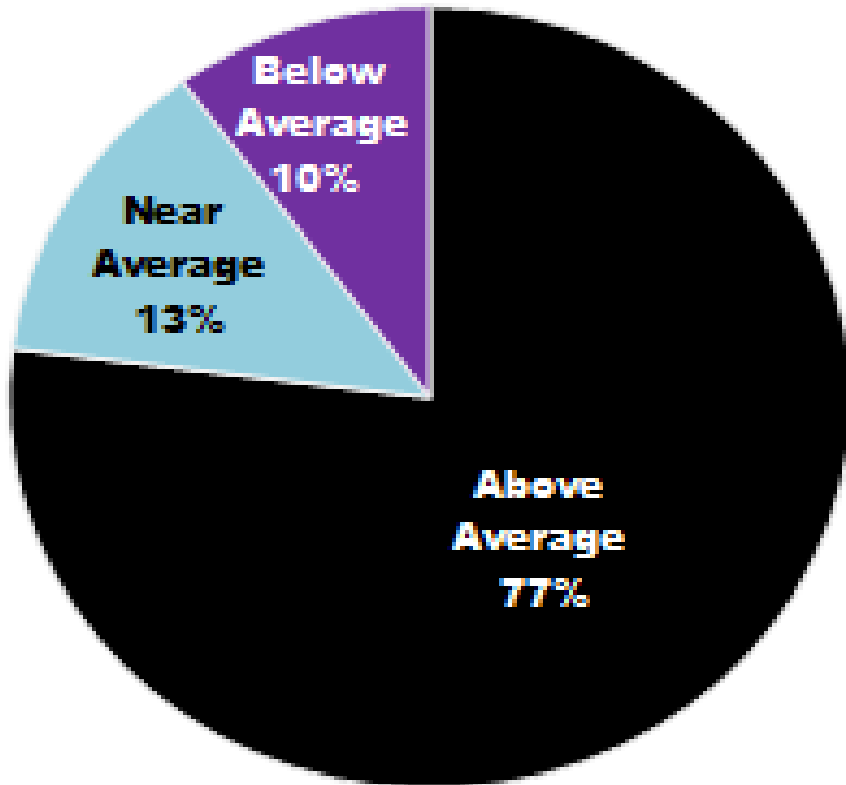
# Near to Below Average Waters Forecasted For Waters East Of T&T

NMME SST Anomaly ( $^{\circ}\text{C}$ ) August-September-October 2019 (Init: 00Z 08 May 2019)





# Area of Interest for Trinidad and Tobago



- Above-Average
- Near-Average
- Below-Average

Range of Predicted Named Storms	3-6
Most Likely Number	4
Range of Predicted Hurricanes	1-2
Most Likely Number	1

### MSD 2019 Forecasts :

**77% chance for an Above-Average Season**

**13% chance for a Near-Average Season**

**10% chance of a Below-Normal Season**

# Key Messages



**Below-average rainfall likely during JJA**



**Above-average rainfall likely during SON**



**Warmer than average day and night temperatures likely**



**Flash flood potential is still high**



**Above-average tropical cyclone activity is likely in the area of interest for Trinidad and Tobago**

# Key Messages

**Dangerous and severe weather are always possible, no matter the forecast**

**Disasters don't plan ahead!**

**You can!**

**Take early action now !**

**Prepare to reduce impacts!**

**Takes only :**

- **One major flood**
- **One tropical cyclone**

**To make the season an active one**

**Stay connected to the Met Office to be weather ready and climate smart**





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# Thank You

### METEOROLOGICAL SERVICES DIVISION

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