



# **ANNUAL MEETING OF THE CMO DIRECTORS OF METEOROLOGICAL SERVICES**



## **Report on the Weather and Its Impacts: Cooperative Republic of Guyana (2020)**

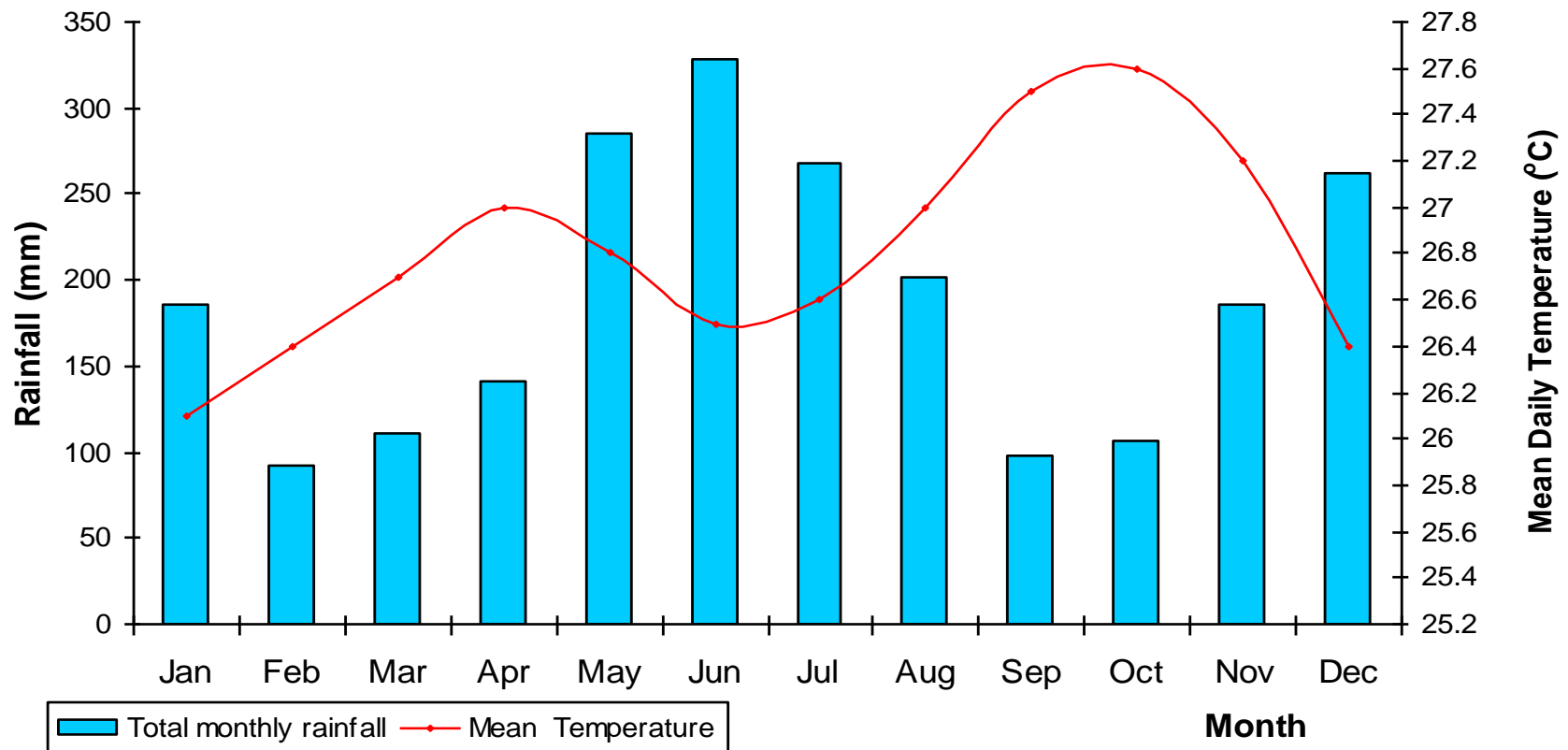
Virtual Meeting  
November 18, 2020



# Guyana's Climatology



Most of Guyana has two (2) peak rainfall and dry seasons:



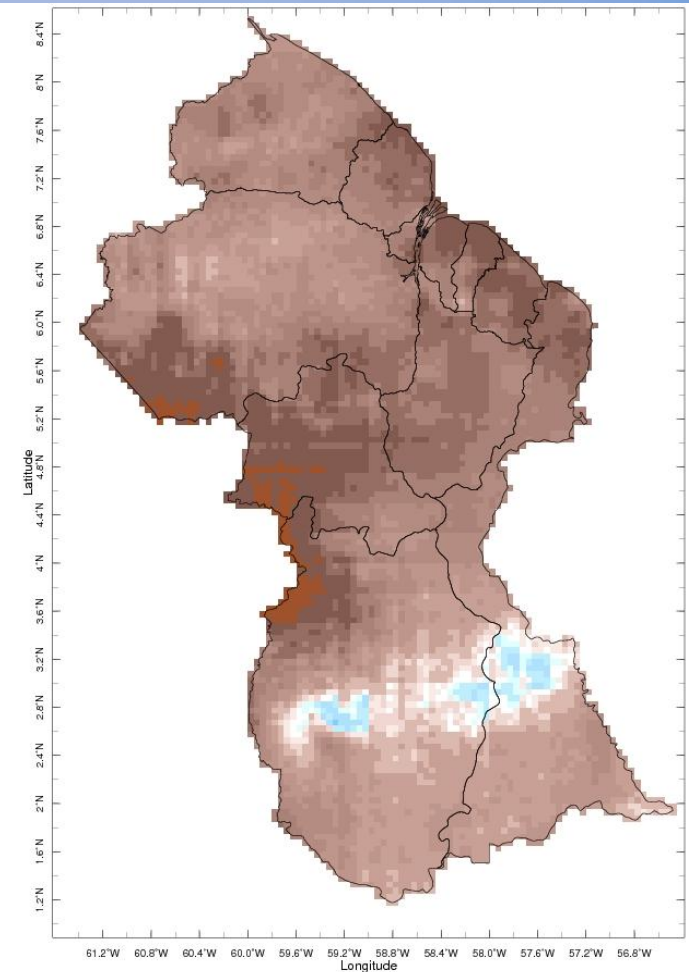
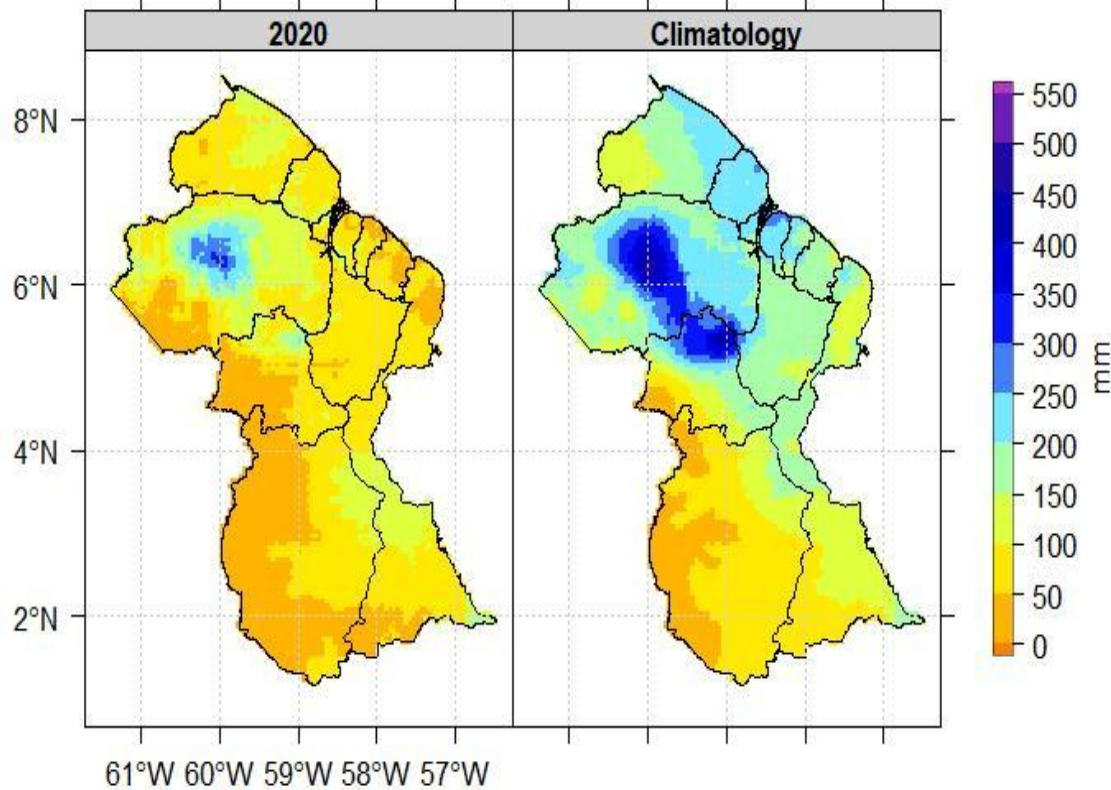


# Rainfall: January, 2020

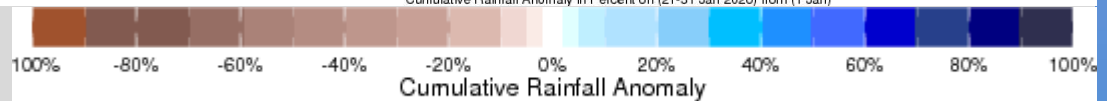


January

61°W 60°W 59°W 58°W 57°W



Cumulative Rainfall Anomaly in Percent on (21-31 Jan 2020) from (1 Jan)



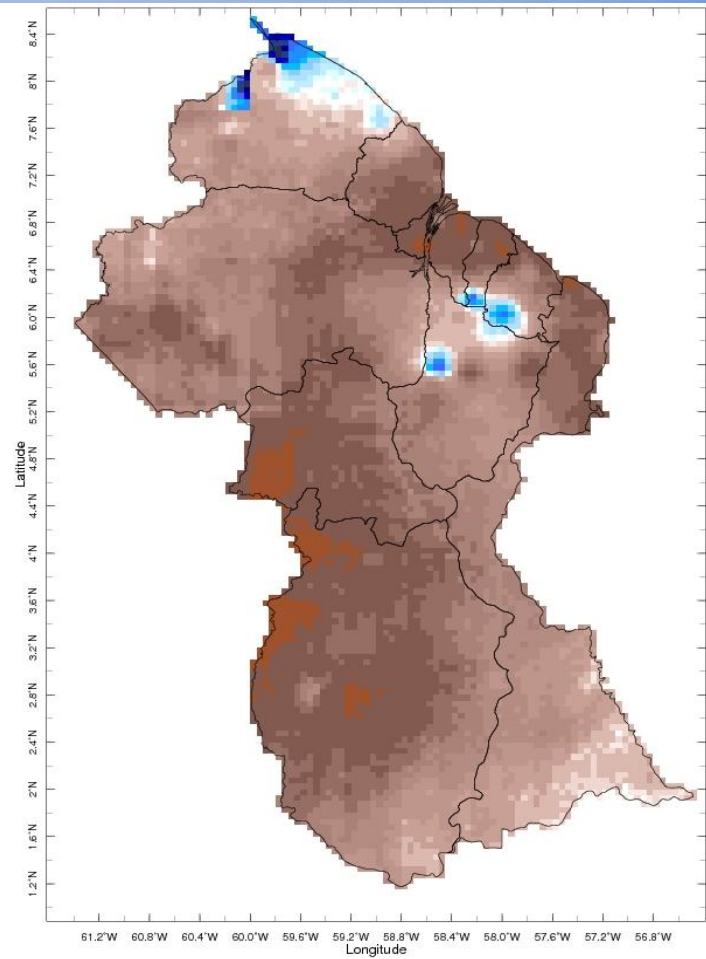
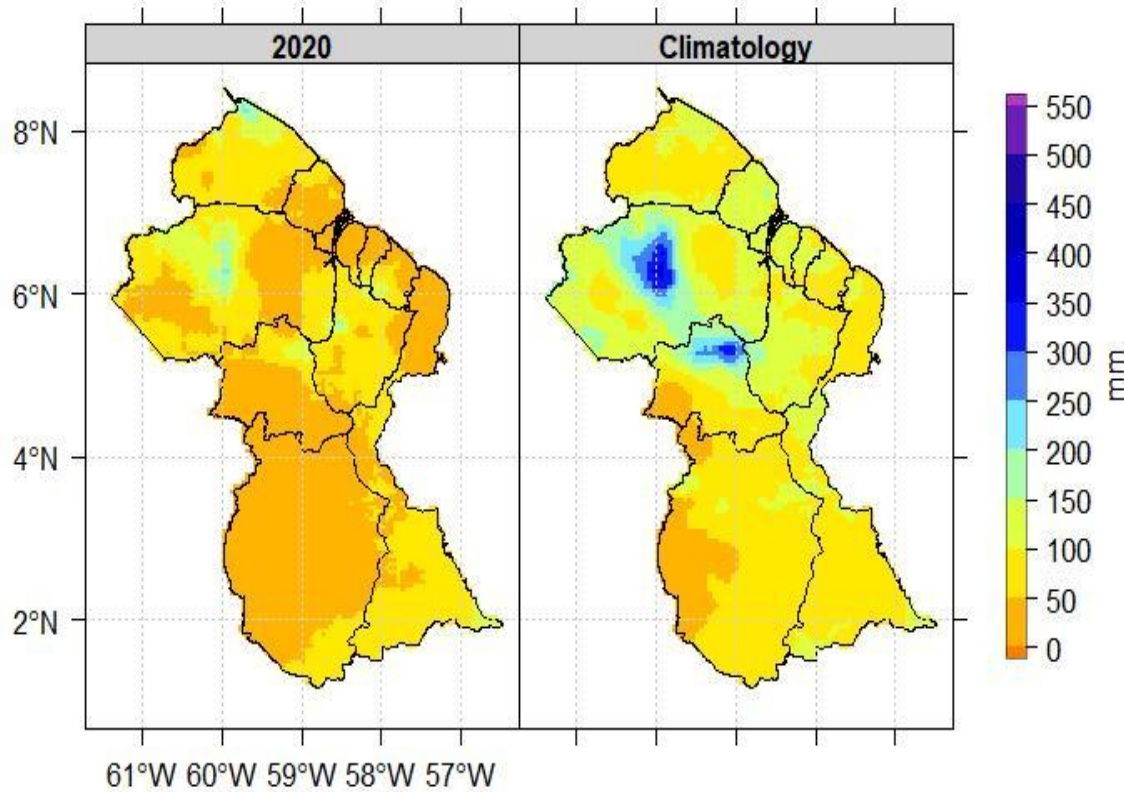


# Rainfall: February, 2020

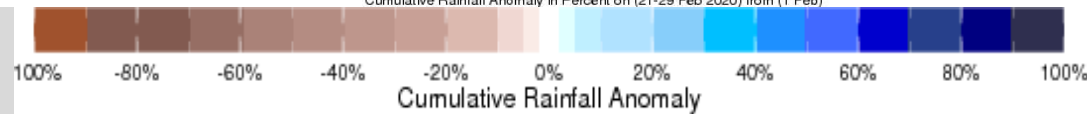


February

61°W 60°W 59°W 58°W 57°W



Cumulative Rainfall Anomaly in Percent on (21-29 Feb 2020) from (1 Feb)



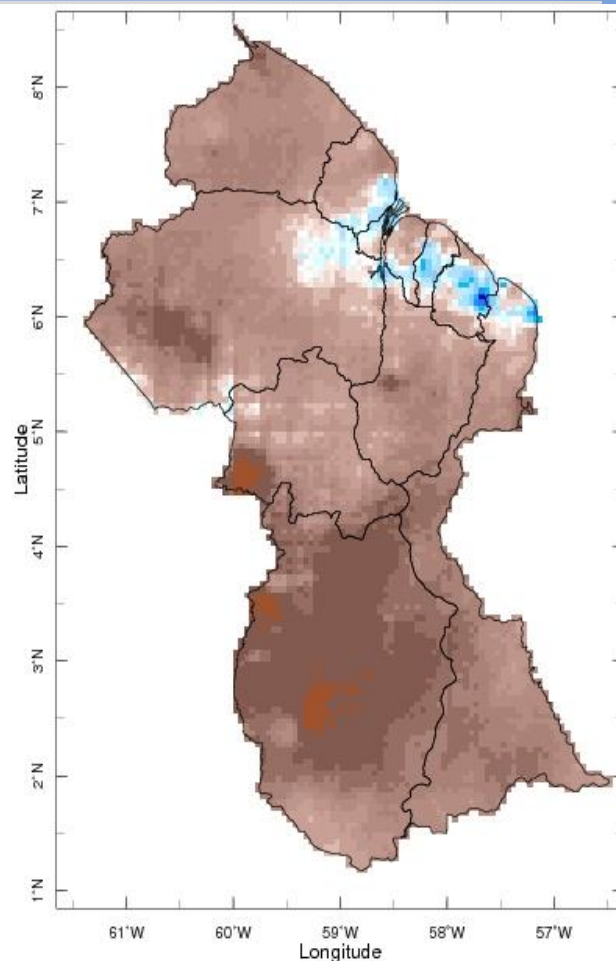
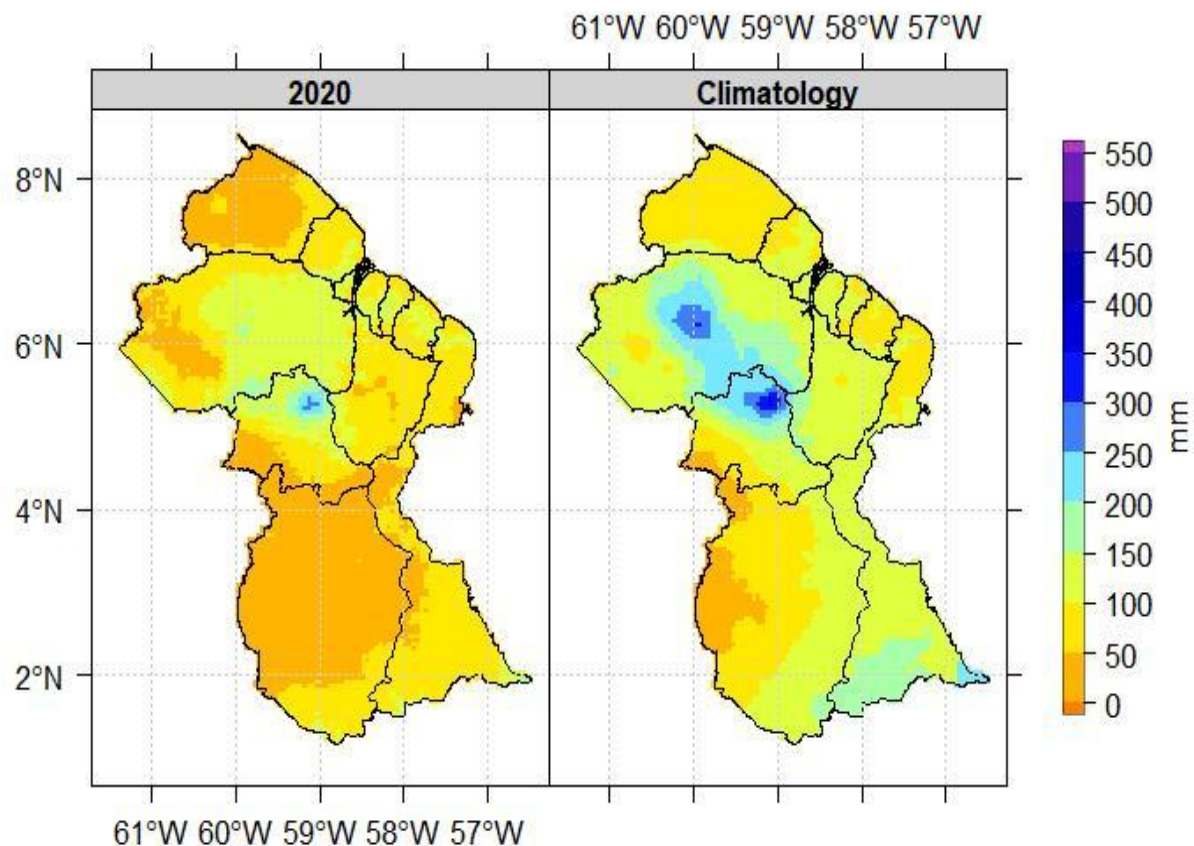




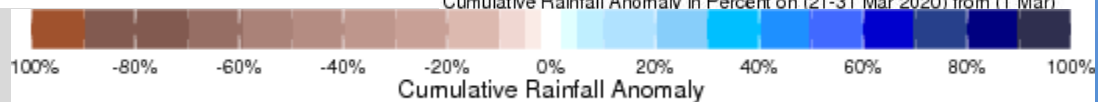
# Rainfall: March, 2020



March



Cumulative Rainfall Anomaly in Percent on (21-31 Mar 2020) from (1 Mar)

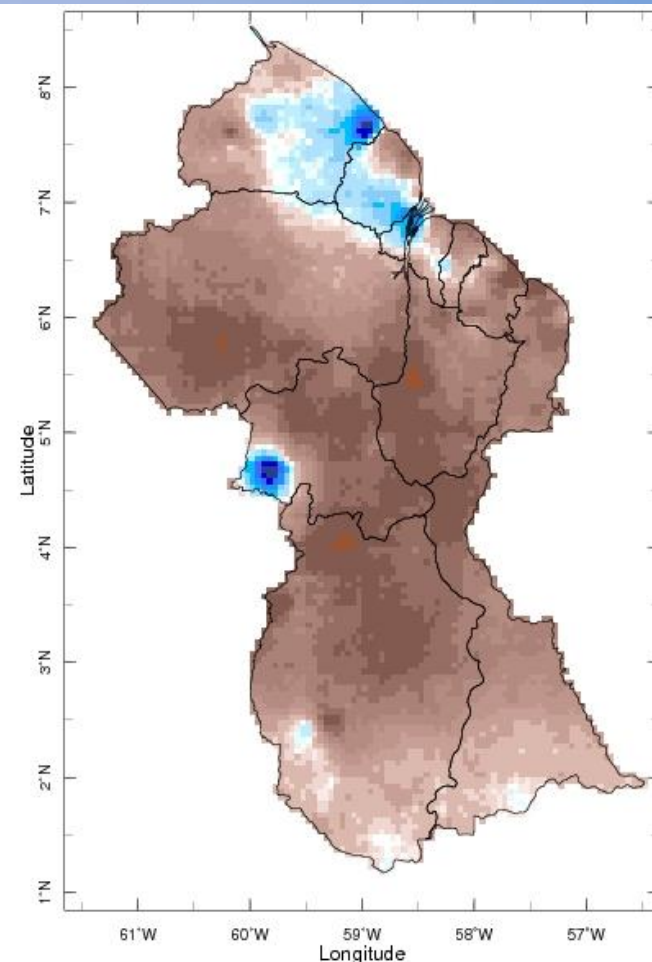
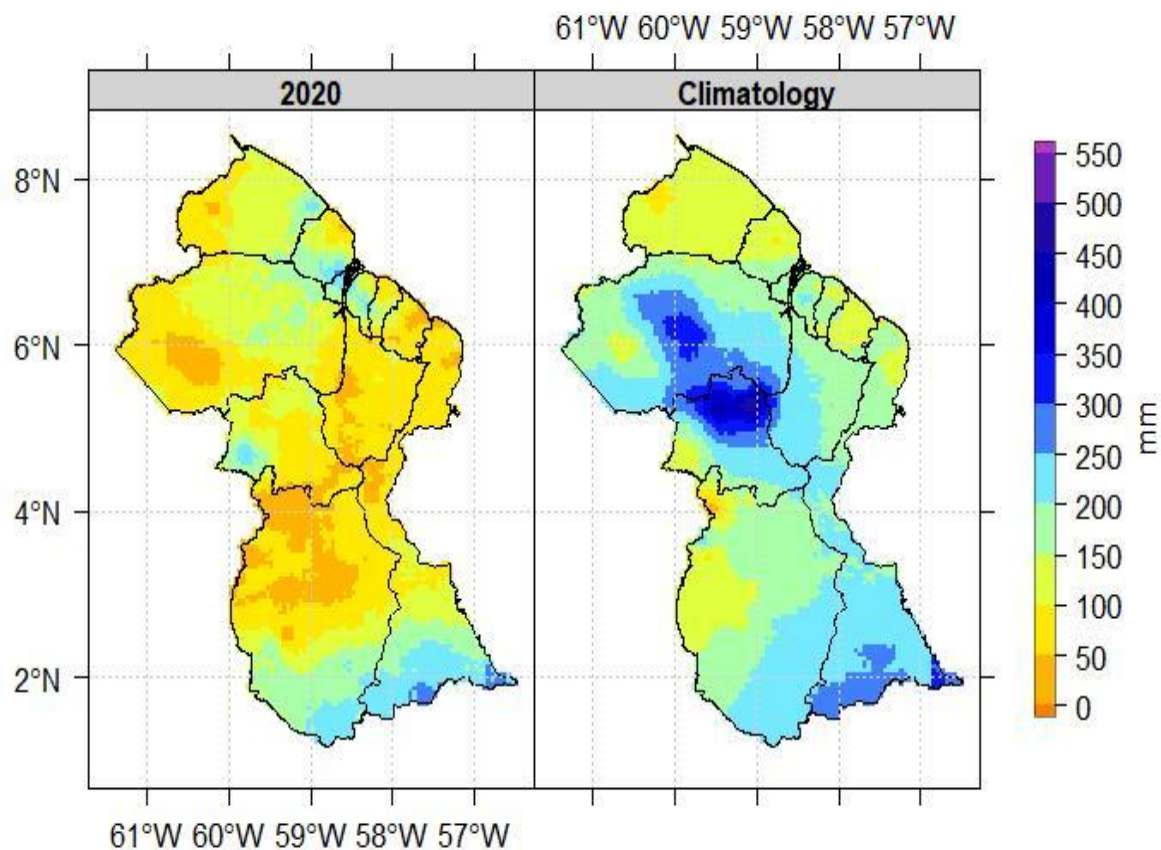




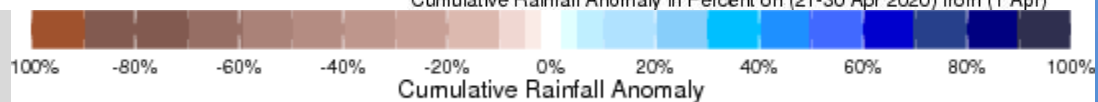
# Rainfall: April, 2020



April



Cumulative Rainfall Anomaly in Percent on (21-30 Apr 2020) from (1 Apr)





# Rainfall: May, 2020



U.S. Embassy in Guyana

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## Weather Alert: Flood Warning Issued Due to Heavy Rainfall Between May 11-May 14, 2020

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**Location:** Guyana

**Event:** A flood warning is issued for flood-prone areas over the next few hours due to ongoing rainfall that is expected to continue until Thursday, May 14, 2020. The Hydro meteorological Department of the Ministry of Agriculture has issued flash flood warnings for flood-prone areas along the coast while hilly areas may experience landslides. The Civil Defence Commission is advising residents in high-risk communities to remain alert and exercise the following precautionary measures as the department continues to monitor the weather.

### Actions to take:

- Avoid flooded and low-lying coastal and riverine areas.
- Do not drive through large areas of standing or moving water.
- Monitor local media for updates.
- Place sandbags where needed.

### Filter

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- ☐ Speeches
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#### Month/Year



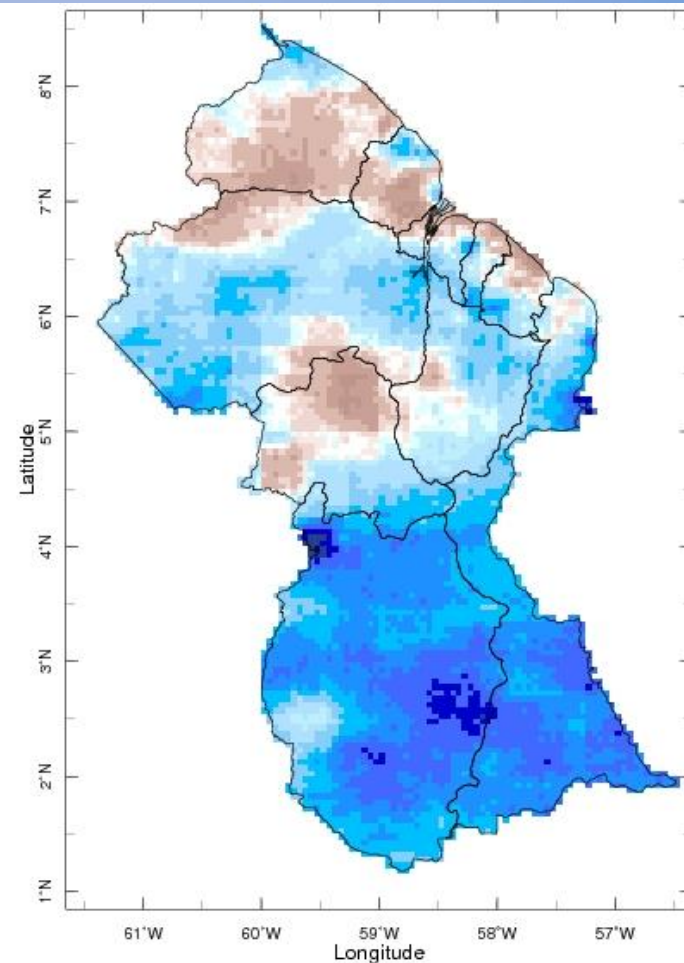
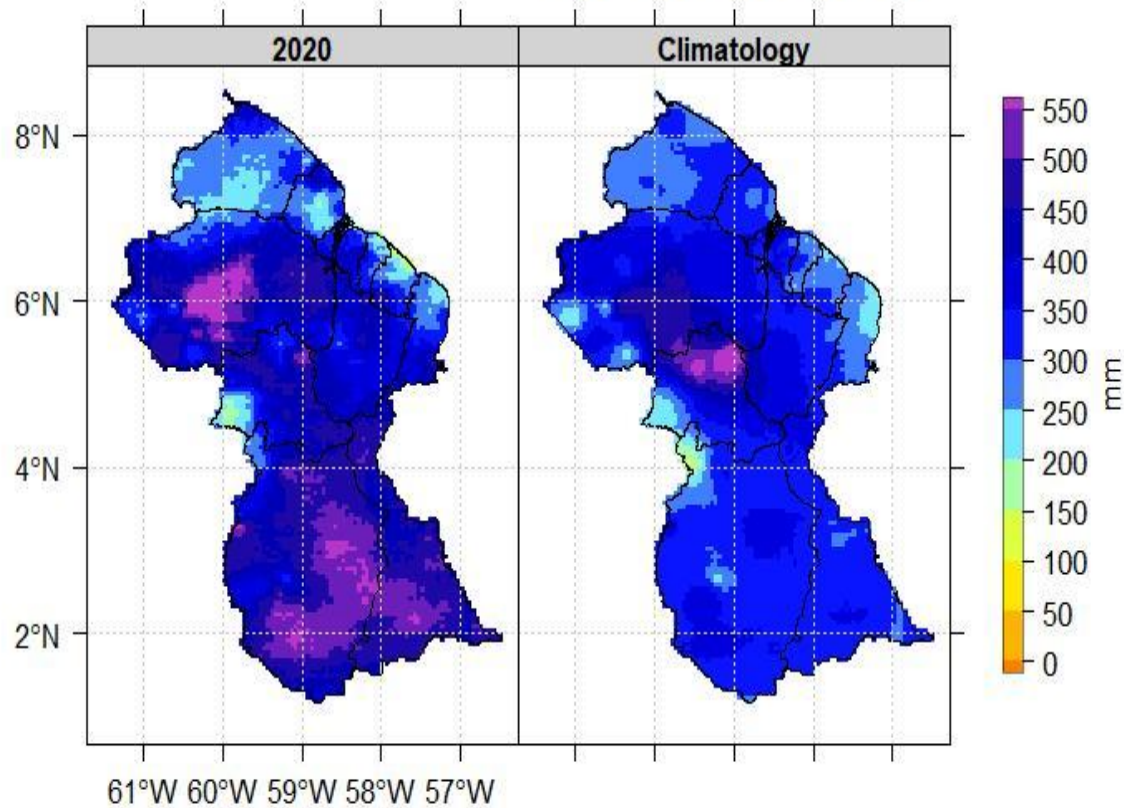


# Rainfall: June, 2020

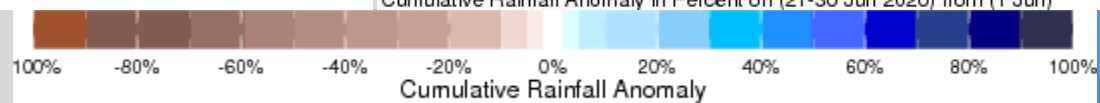


June

61°W 60°W 59°W 58°W 57°W



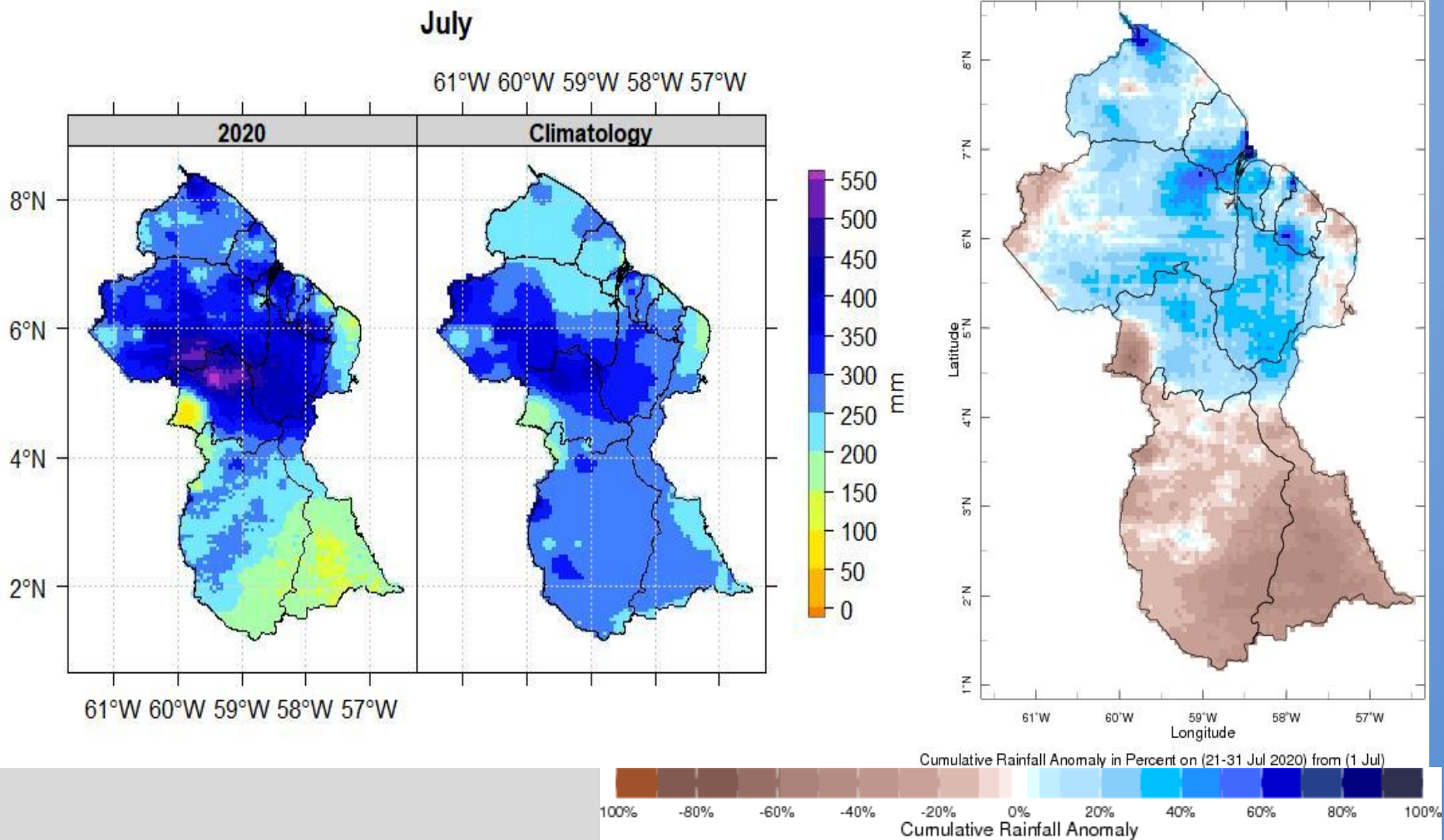
Cumulative Rainfall Anomaly in Percent on (21-30 Jun 2020) from (1 Jun)







# Rainfall: July, 2020



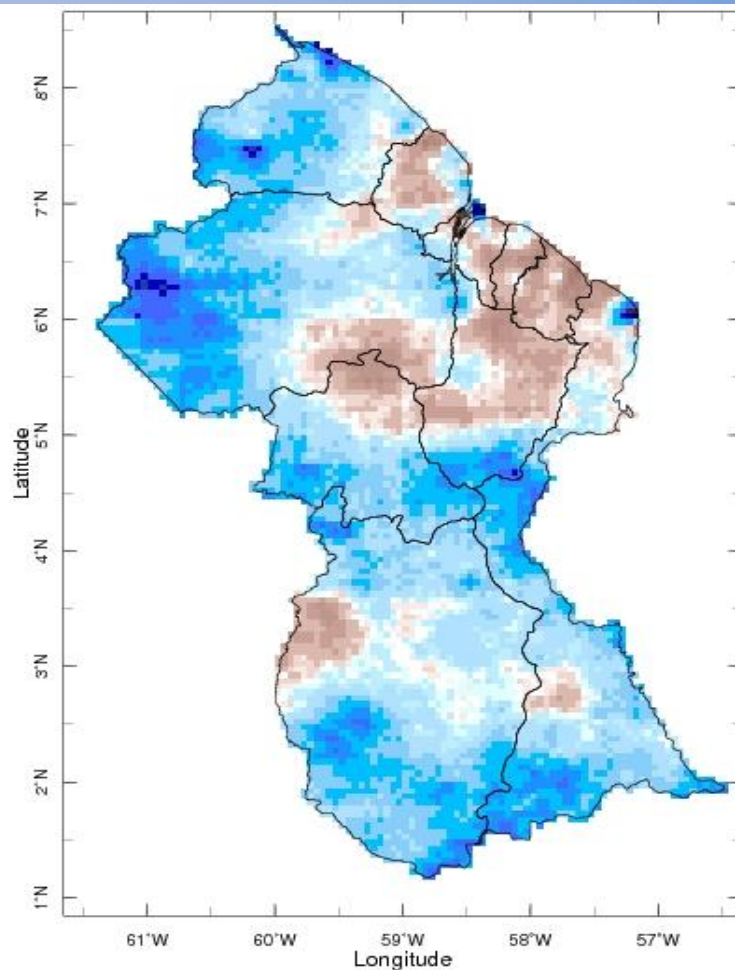
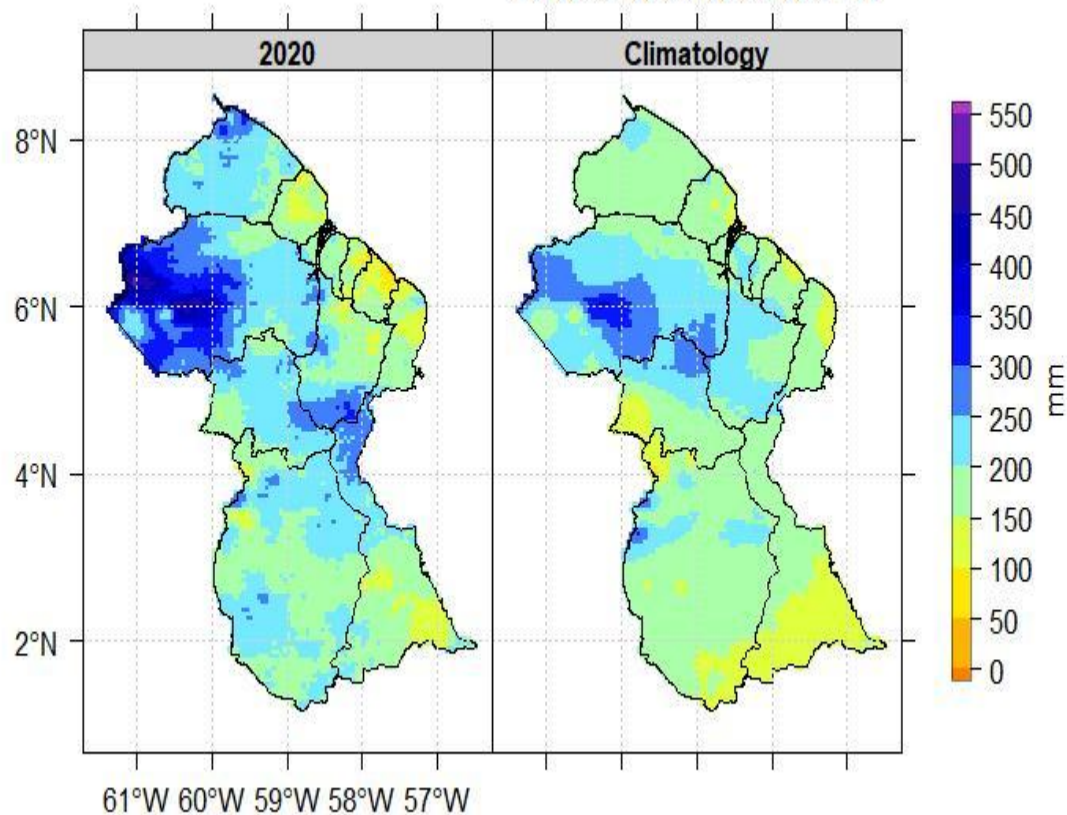


# Rainfall: August, 2020

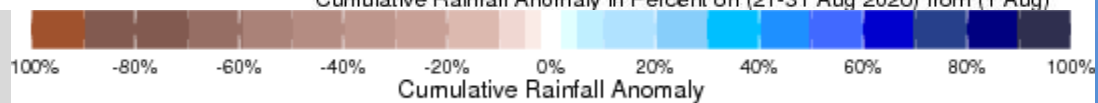


August

61°W 60°W 59°W 58°W 57°W



Cumulative Rainfall Anomaly in Percent on (21-31 Aug 2020) from (1 Aug)



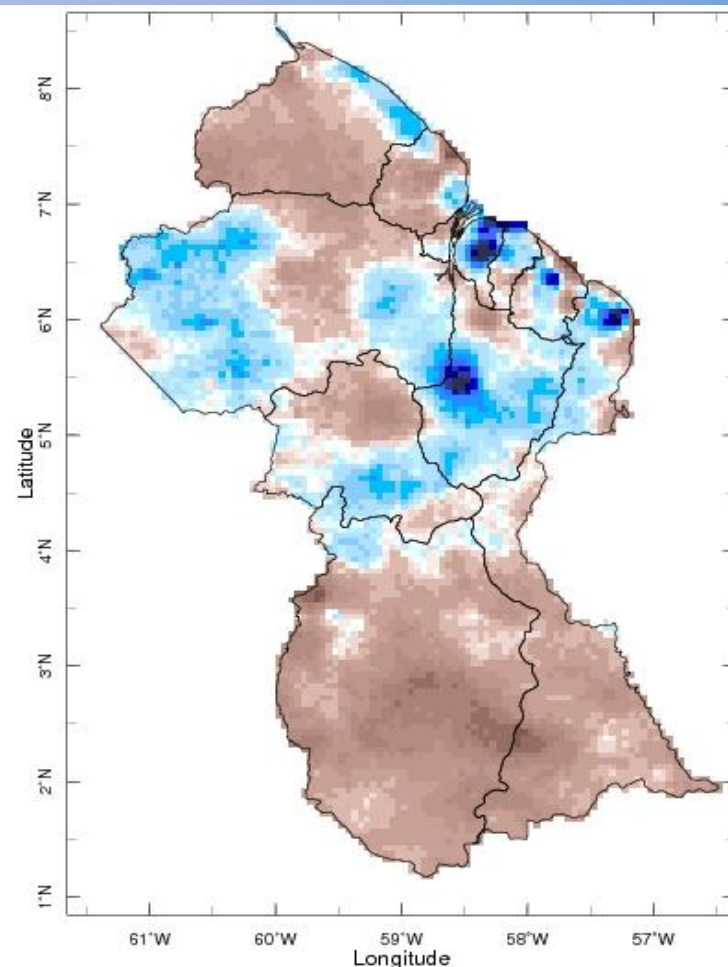
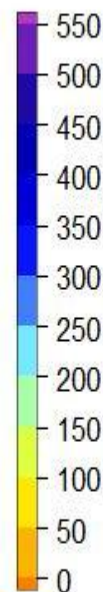
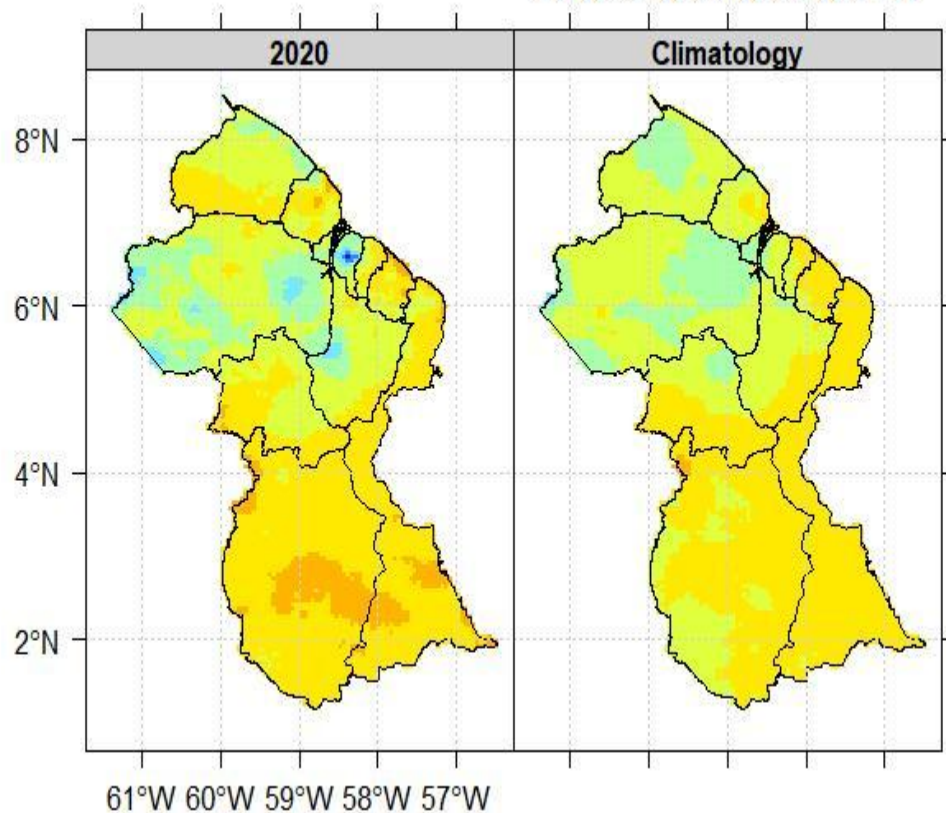


# Rainfall: September, 2020

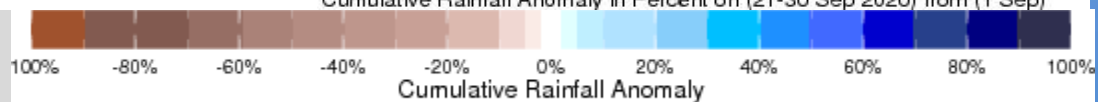


September

61°W 60°W 59°W 58°W 57°W



Cumulative Rainfall Anomaly in Percent on (21-30 Sep 2020) from (1 Sep)





## Spring tide floods Parika – other coastal communities at risk

Kaieteur News: 📅 Oct 17, 2020 📖 News



The main road leading from the Parika Ferry Stelling – Credit: Kevin Somwaru (Deopaul)

Kaieteur News – Parika yesterday suffered flooding as the Spring tide caused water from the river to

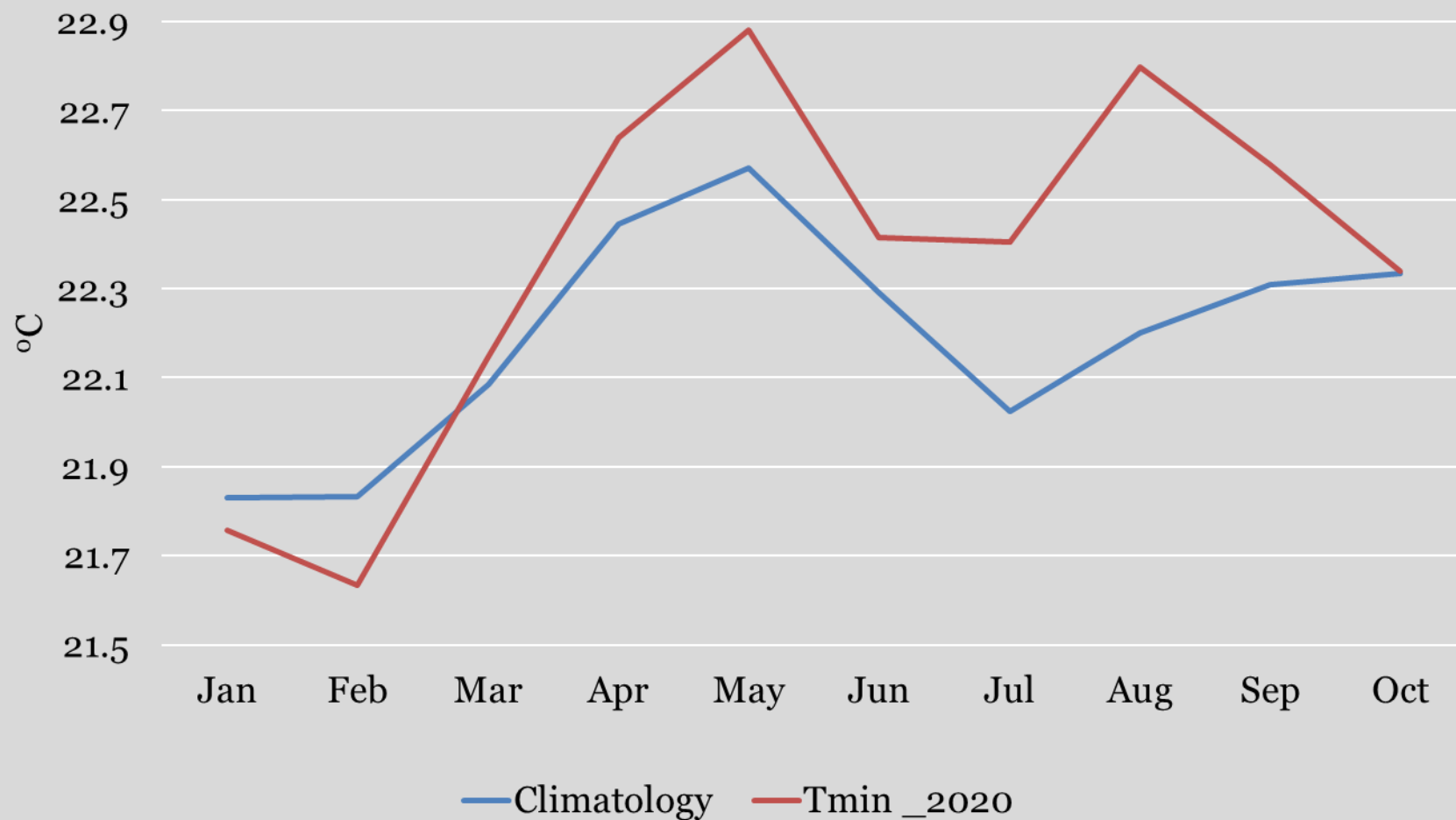




# Min. Temp.: January – October, 2020



T<sub>min</sub> 2020 vs. Climatology





# November, 2020



## KEY DATA UPDATE



- ❖ Approximately 1543 households experienced flood waters in their homes
- ❖ Appx 37 Communities Assessed by the CDC and found most severely impacted 1649 Cleaning Hampers Distributed to Residents and RDC



# Some of the Projects of Interest



1. ***Hydrometeorological Data Rescue Project*** – WWF Grant
  - Equipment & materials procured; 5,000 pieces of data rescued. Thousands of pieces still outstanding.
2. ***Efforts for Semi-autonomous NMHS*** (WWF Grant):
  - Economic Viability Study (Sep, 2019) – recommended model
  - Revised legislation (primary & secondary)
  - Revised structure; HR Manual, etc.
  - To be placed on legislative agenda 2021.
3. ***Development of a National Flood Early Warning System*** – JICA Funding
  - Completion in 2021; Dewetra integration



# Thank You!

