



## MONTHLY CLIMATE ASSESSMENT AND OUTLOOK

### OVERVIEW

El Niño Southern Oscillation (ENSO)-neutral condition continues to persist across the tropical Pacific Ocean. Majority of the climate models predict ENSO-neutral will likely to prevail until the second quarter of 2020.

### Assessment in November 2019

## WEATHER SYSTEMS THAT AFFECTED THE COUNTRY

SW

### SOUTHWEST MONSOON (HABAGAT)

Warm moist winds from the southwest causing rains over the western portion of the country from May to September



### LOW PRESSURE AREA (LPA)

Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form

NE

### NORTHEAST MONSOON (AMIHAN)

Cold winds from the northeast that bring rains over the eastern side of the country.



### LOCALIZED THUNDERSTORM

Isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rain.



### INTERTROPICAL CONVERGENCE ZONE (ITCZ)

Series of low pressure areas brought about by converging northeast (NE) and southeast (SE) winds that cause thunderstorms and rainshowers



### 4 TROPICAL CYCLONES

Typhoon (TY) "Quiel" (November 5-8)  
Typhoon (TY) "Ramon" (November 12-20)  
Severe Tropical Storm (STS) "Sarah" (Nov 19-22)  
Typhoon (TY) "Tisoy" (Nov 30 – Dec 5)

## RAINFALL CONDITION



### WAY BELOW NORMAL

Greater than 60% reduction from the normal\*

Remaining parts of Luzon, Visayas and Mindanao



### BELOW NORMAL

20%-60% reduction from the normal



### NEAR NORMAL

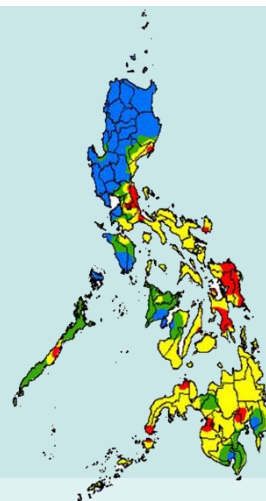
+20% or -20% from the normal

Most parts of northern and central Luzon, MIMAROPA, Batangas, Cavite, Metro Manila, Panay Island, South Cotabato and most parts of Davao Region



### ABOVE NORMAL

120% greater than the normal



## TEMPERATURE



Mountainous Luzon  
12.8°C – 25.4°C



Metro Manila  
20.1°C – 33.0°C



Mountainous Mindanao  
17.8°C – 32.5°C



Lowlands Luzon  
17.8°C – 35.0°C



Visayas  
22.3°C – 35.0°C



Lowlands Mindanao  
20.8°C – 35.7°C



## MONTHLY CLIMATE ASSESSMENT AND OUTLOOK

### Outlook in December 2019

#### EXPECTED WEATHER SYSTEMS



##### INTERTROPICAL CONVERGENCE ZONE (ITCZ)

Series of low pressure areas brought about by converging northeast (NE) and southeast (SE) winds that cause thunderstorms and rainshowers



##### LOCALIZED THUNDERSTORM

Isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rain.



##### 1 or 2 TROPICAL CYCLONES

"Bagyo"; may refer to tropical depression, tropical storm, severe tropical storm, typhoon, or super typhoon.



##### TAIL-END OF THE COLD FRONT

Extended zone of converging winds From east to northeast that often brings thunderstorms and rainshowers



##### LOW PRESSURE AREA (LPA)

Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form



##### NORTHEAST MONSOON (AMIHAN)

Cold winds from the northeast that bring rains over the eastern side of the country.



##### EASTERLIES

Warm winds blowing from the east that may bring cloudiness over the eastern part of the country

#### RAINFALL CONDITION



##### NEAR NORMAL

+20% or -20% from the normal

Cagayan Region, Southern Luzon and most parts of Visayas and Mindanao



##### BELOW NORMAL

20%-60% reduction from the normal

Rest of the country



#### TEMPERATURE



Mountainous Luzon  
9.3 °C – 27.0°C



Metro Manila  
17.2°C – 34.5°C



Mountainous Mindanao  
14.8°C – 33.5°C



Lowlands Luzon  
16.8 °C – 36.0°C



Visayas  
18.2 °C – 33.5°C



Lowlands Mindanao  
18.8°C – 33.5°C