



# PAYONG PAGASA

## EL NIÑO ADVISORY NO. 1

CLIMPS-09 Rev.0/06-01-22

Issued: 04 July 2023

### OVERVIEW

Recent PAGASA's climate monitoring and analyses indicate that the unusual warming of sea surface temperatures along the equatorial Pacific that was established in March 2023 has further developed into a weak El Niño, which show signs of strengthening in the coming months.



El Niño increases the likelihood of below-normal rainfall conditions, which could bring negative impacts (such as dry spells and droughts) in some areas of the country. However, over the western part of the country, above-normal rainfall conditions during the Southwest monsoon season (Habagat) may also be expected.

### Assessment in June 2023

## 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



**LOCALIZED THUNDERSTORM**  
Warm Isolated heavy and dense dark clouds with one or more sudden electric discharges manifested by lightning and thunder often accompanied by showers of rains.

**L** **LOW PRESSURE AREA (LPA)**  
Areas of lowest pressure characterized by cloudiness and rainshowers; areas where a tropical cyclone can form



**INTERTROPICAL CONVERGENCE ZONE (ITCZ)**  
Series of low pressure areas brought about by converging Northeast (NE) and Southeast (SE) winds that cause thunderstorms and rainshowers



**1 TROPICAL CYCLONE**  
Typhoon (TY) "CHEDENG"  
(Jun 06 – Jun 11, 2023)

## RAINFALL CONDITION



**BELOW NORMAL**  
20%-60% reduction from the normal



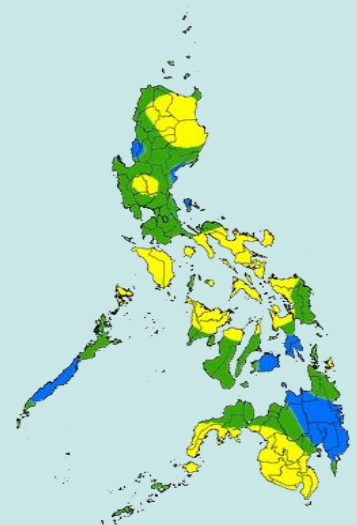
**NEAR NORMAL**  
+20% or -20% from the normal



**ABOVE NORMAL**  
120% greater than the normal

most parts of the country

provinces of La Union, Batanes, southern Palawan, Bohol, Southern Leyte, Camiguin, Agusan del Sur and Davao Region,



\*Rainfall assessment for the past three (3) months signified that **Isabela and Tarlac** have experienced **dry condition (2 consecutive months of below normal rainfall condition)** while **Apayao, Kalinga and Cagayan** have experienced **dry spell (3 consecutive months of below normal rainfall condition)**.

## TEMPERATURE

Generally, near-average to above-average mean surface air temperatures were observed in most parts of the country except in Ilocos Sur, Coron and General Santos where slightly cooler than average air temperatures were experienced.



**Mountainous Luzon**  
16.2°C – 26.2°C



**Metro Manila**  
23.5°C – 36.5°C



**Mountainous Mindanao**  
19.0°C – 33.0°C



**Lowlands Luzon**  
21.8°C – 38.8°C



**Visayas**  
21.5°C – 36.1°C



**Lowlands Mindanao**  
21.8°C – 36.7°C



### Outlook in July 2023

## EXPECTED WEATHER SYSTEMS



#### EASTERLIES

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



#### LOCALIZED THUNDERSTORM

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



#### INTERTROPICAL CONVERGENCE ZONE (ITCZ)

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



#### SOUTHWEST MONSOON (HABAGAT)

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



#### RIDGE OF HIGH PRESSURE AREA (HPA)

An extension of a high pressure area characterized by a very light wind and clear skies



#### SHEAR LINE

Zone of converging winds associated with the extension of a frontal system 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



#### 2 to 4 TROPICAL CYCLONE

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

## RAINFALL CONDITION



**NEAR NORMAL**

+20% or -20% from the normal



**ABOVE NORMAL**

120% greater than the normal

most parts of Luzon and Visayas



**NEAR NORMAL**

+20% or -20% from the normal

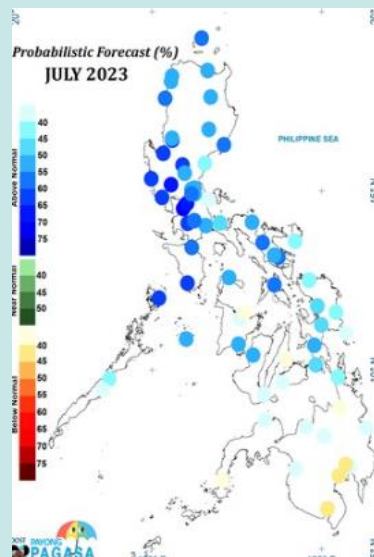
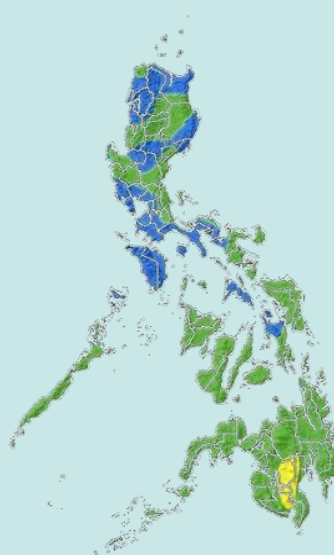
Most parts of Mindanao



**BELOW NORMAL**

20%-60% reduction from the normal

Davao del Sur



## TEMPERATURE



Mountainous Luzon  
13.5°C to 26.7°C



Metro Manila  
22.2°C to 36.4°C



Mountainous Mindanao  
16.0°C to 33.0°C



Lowlands Luzon  
16.9°C to 38.8°C



Visayas  
19.6°C to 36.5°C



Lowlands Mindanao  
20.7°C to 38.4°C