



PAYONG PAGASA

EL NIÑO ADVISORY NO. 1

CLIMPS-10 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

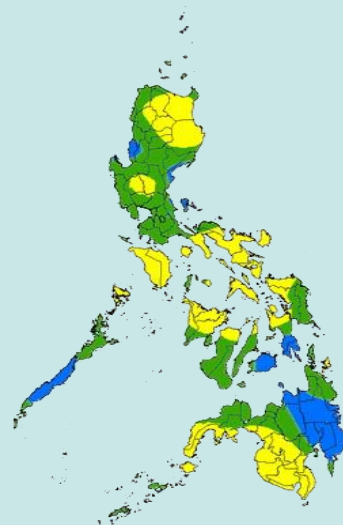


ABOVE NORMAL

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



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

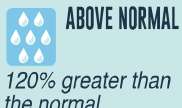
"Bagyo"; may refer to a tropical depression, tropical storm, severe tropical storm, typhoon, or super typhoon.

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

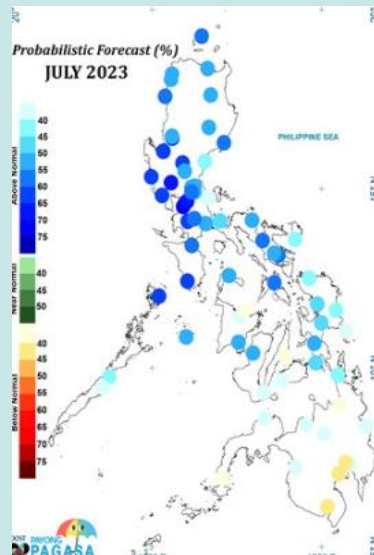
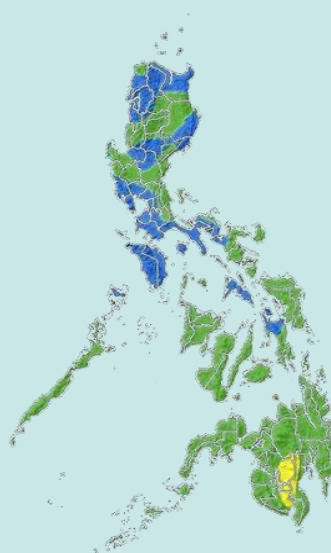
Most parts of Mindanao



BELOW NORMAL

20%-60% reduction from the normal

Davao del Sur



TEMPERATURE

Generally, near average to above average surface air temperatures are predicted in most parts of Luzon and Mindanao while most parts of Visayas will likely have near to below average 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