



PAYONG PAGASA

EL NIÑO ADVISORY NO. 2

CLIMPS-10 Rev.0/06-01-22

Issued: 03 August 2023

OVERVIEW

The warmer than average sea surface temperature anomalies across most of the central and eastern equatorial Pacific signified that a weak El Niño is present and may strengthen into moderate to strong towards the latter part of the year. Most climate models predict that this El Niño will likely persist until at least the first quarter of 2024.



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 July 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

RIDGE OF HIGH PRESSURE AREA (HPA)

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



INTERTROPICAL CONVERGENCE ZONE (ITCZ)

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

6

3 TROPICAL CYCLONE

Tropical Storm (TS) "DODONG", (July 13-15)
Super Typhoon (STY) "EGAY", (July 21-27)
Typhoon (TY) "FALCON", (July 29-August 1)

RAINFALL CONDITION



BELOW NORMAL

20%-60% reduction from the normal

Nueva Viscaya and Quirino



ABOVE NORMAL

120% greater than the normal

Guimaras, Davao del Norte, Agusan del Sur, Dinagat Islands and Surigao del Sur



NEAR NORMAL

+20% or -20% from the normal



ABOVE NORMAL

120% greater than the normal

most parts of Luzon



BELOW NORMAL

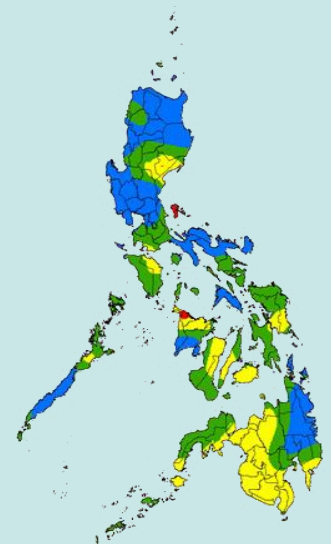
20%-60% reduction from the normal



NEAR NORMAL

+20% or -20% from the normal

Most parts of Visayas and Mindanao



*rainfall assessment over the past four months indicated that **eleven (11) provinces** have experienced **meteorological dry condition** (2 consecutive months of below normal rainfall condition). These were as follows: **Aklan, Capiz, Zamboanga Del Sur, Davao Del Sur, Davao Occidental, South Cotabato, Cotabato, Sarangani, Sultan Kudarat, Basilan and Maguindanao.**

TEMPERATURE

Generally, mean surface air temperatures observed throughout the country were near-average to above-average.



Mountainous Luzon
14.8°C – 27.0°C



Lowlands Luzon
21.8°C – 38.0°C



Metro Manila
23.0°C – 37.0°C



Visayas
23.0°C – 36.5°C



Mountainous Mindanao
19.0°C – 33.5°C



Lowlands Mindanao
21.8°C – 36.3°C



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Outlook in August 2023

EXPECTED WEATHER SYSTEMS



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.



INTERTROPICAL CONVERGENCE ZONE (ITCZ)

Series of low pressure areas brought about by converging Northeast (NE) and Southeast (SE) winds that cause 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 3 TROPICAL CYCLONE

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

RAINFALL CONDITION



ABOVE NORMAL

120% greater than the normal

western part of Luzon



NEAR NORMAL

+20% or -20% from the normal

most parts of the country



ABOVE NORMAL

120% greater than the normal

High probabilities in Luzon



NEAR NORMAL

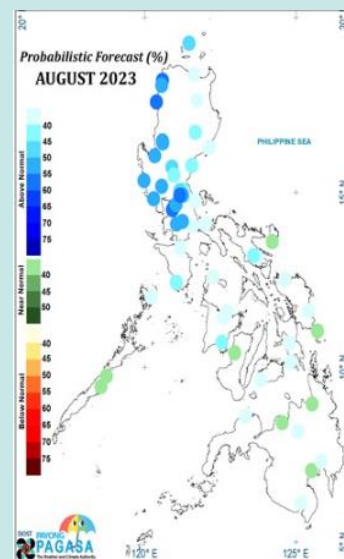
+20% or -20% from the normal



ABOVE NORMAL

120% greater than the normal

High probabilities in Visayas and Mindanao



TEMPERATURE



Mountainous Luzon
14.5°C to 26.5°C



Metro Manila
23.0°C to 36.5°C



Mountainous Mindanao
15.5°C to 33.5°C



Lowlands Luzon
18.0°C to 38.0°C



Visayas
20.5°C to 36.5°C



Lowlands Mindanao
21.0°C to 37.0°C