



PAYONG PAGASA

EL NIÑO ADVISORY NO. 3

CLIMPS-09 rev.0/08-15-2023
Issued: 05 September 2023

OVERVIEW

An increased positive sea surface temperature anomaly (SSTA) was observed across the tropical Pacific, indicating a moderate El Niño. Most climate models predict El Niño will strengthen further into a strong one later in the year and will likely continue until the second 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 which may adversely impact the different climate-sensitive sectors including the water resources, agriculture, energy, health, public safety, and many more. However, with the ongoing El Niño, enhanced Southwest monsoon season (Habagat) is favored, which may result in above-normal rainfall conditions over the western part of the country.

Assessment in August 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

LOW PRESSURE AREA (LPA)



Areas of lowest pressure characterized by cloudiness and rain showers; 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 causes thunderstorms and rainshowers



PASSAGE OF 2 TROPICAL CYCLONES OR 'BAGYO'

SUPER TYPHOON "GORING" (August 22-30)
TYPHOON "HANNA" (August 30 – September 04)

RAINFALL CONDITION



NEAR NORMAL

+20% or -20% from the normal



ABOVE NORMAL

120% greater than the normal

most parts of Northern Luzon, most of the Visayas, Zamboanga Peninsula, most of Davao Region, Caraga, and BARMM



BELOW NORMAL

20%-60% reduction from the normal

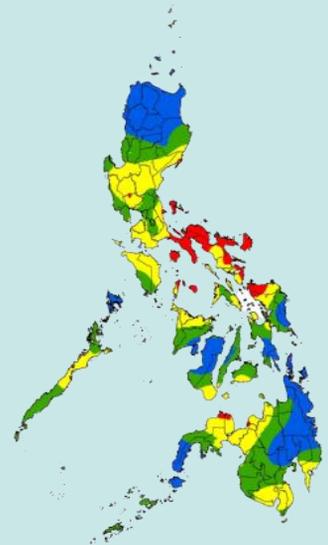


WAY BELOW NORMAL

Greater than 60% reduction from the normal*

most parts of MIMAROPA, CALABARZON, and Bicol Region, some parts of Eastern Visayas, and the rest of Mindanao

*four (4) provinces have experienced meteorological dry conditions (two consecutive months of below-normal rainfall conditions): **Quirino, Lanao del Sur, Lanao del Norte, and Misamis Oriental**. Whereas **Aklan, Capiz, Davao Occidental, South Cotabato, and Sarangani** continue to experience dry spell conditions (three consecutive months of below-normal rainfall conditions). See Drought Assessment Map (<https://bagong.pagasa.dost.gov.ph/climate/el-nino-la-nina/advisories>)



TEMPERATURE

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



Mountainous Luzon
16.4°C – 24.4°C



Lowlands Luzon
25.2°C – 37.7°C



Metro Manila
24.2°C – 33.9°C



Visayas
24.6°C – 36.8°C



Mountainous Mindanao
18.2°C – 33.4°C



Lowlands Mindanao
24.0°C – 36.4°C



Outlook in September 2023

EXPECTED WEATHER SYSTEMS

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

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INTERTROPICAL CONVERGENCE ZONE (ITCZ)



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6 PASSAGE OF 2 TO 3 TROPICAL CYCLONES OR 'BAGYO'



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

RAINFALL CONDITION

ABOVE NORMAL

120% greater than the normal

portion of Bataan

NEAR NORMAL

+20% or -20% from the normal

most parts of the country



BELOW NORMAL

20%-60% reduction from the normal

portions of the Bicol Region and Surigao Provinces

ABOVE NORMAL

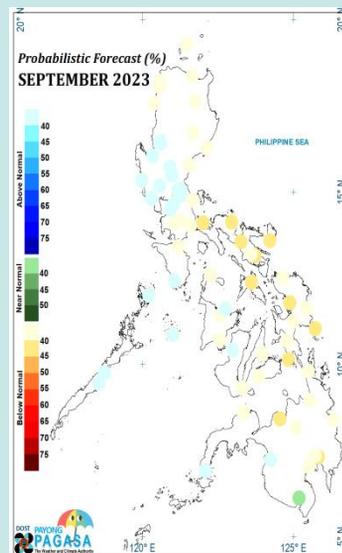
120% greater than the normal

High probabilities in some areas of western Luzon

BELOW NORMAL

20%-60% reduction from the normal

High probabilities in most parts of Visayas and Mindanao and in the eastern and northern parts of Luzon

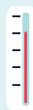


TEMPERATURE

Generally, near-average to above-average surface air temperatures are predicted in most parts of the country except for cooler-than-average air temperatures in some areas of Central Visayas and in the western areas of Southern Luzon.



Mountainous Luzon
14.0°C to 26.5°C



Metro Manila
23.0°C to 35.5°C



Mountainous Mindanao
16.5°C to 33.5°C



Lowlands Luzon
18.0°C to 36.5°C



Visayas
21.0°C to 36.0°C



Lowlands Mindanao
21.0°C to 37.0°C