



PAYONG PAGASA SEASONAL CLIMATE OUTLOOK



Issued: 07 August 2023

OVERVIEW

The unusual warming of sea surface temperatures along the equatorial Pacific which started in March 2023, had further developed into a weak El Niño. Most climate models predict that this phenomenon will likely strengthen in the coming months from weak to moderate to strong. 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 which may adversely impact the different climate-sensitive sectors such as water resources, agriculture, energy, health, and public safety. However, enhanced Southwest monsoon season (Habagat) is still expected, which may result in above-normal rainfall conditions over the western part of the country.

July to September 2023 Outlook

El Niño has a high probability (more than 95%) to persist during the season. The sea surface temperature anomalies (SSTAs) in the central and eastern equatorial Pacific (CEEP) are forecast to reach moderate El Niño levels.

WEATHER SYSTEMS THAT MAY AFFECT THE COUNTRY

SW MONSOON (HABAGAT)
Warm moist winds from the southwest causing rains over the western portion of the country from May to September



SHEAR LINE
Zone of converging winds associated with the extension of a frontal system that often brings thunderstorms and rainshowers



INTERTROPICAL CONVERGENCE ZONE (ITCZ)



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

FRONTAL SYSTEM



Zone of converging winds that stays in one area for a while which often brings thunderstorms and rainshowers

RIDGE OF HIGH PRESSURE AREA (HPA)



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

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

6 TO 8 TROPICAL CYCLONES



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

RAINFALL CONDITION



NEAR NORMAL

+20% or -20% from the normal

Most parts of the country



ABOVE NORMAL

120% greater than the normal

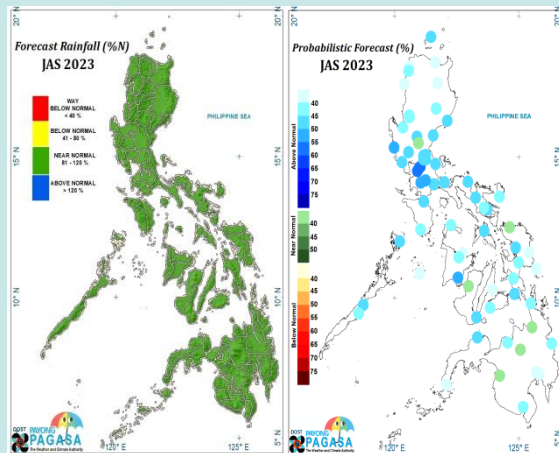
High probability in most parts of the country



ABOVE NORMAL

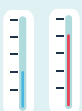
120% greater than the normal

Batanes



Gradual weakening of the SW monsoon is expected in September.

TEMPERATURE



Surface air temperatures are expected to be generally near to above average in most parts of the country except for some areas in Southern Luzon and Visayas which will likely receive below average surface air temperatures.



PAYONG PAGASA SEASONAL CLIMATE OUTLOOK





Issued: 07 August 2023

October to December 2023 Outlook


The ongoing El Niño has high chance of becoming moderate to strong during the season.


WEATHER SYSTEMS THAT MAY AFFECT THE COUNTRY

NORTHEAST MONSOON (AMIHAN)
NE

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


INTERTROPICAL CONVERGENCE ZONE (ITCZ)

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

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

EASTERLIES
E

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

FRONTAL SYSTEM

Zone of converging winds that stays in one area for a while which often brings thunderstorms and rainshowers

4 TO 6 TROPICAL CYCLONES
6
Bagyo may refer to a tropical depression, severe tropical storm, typhoon, or super typhoon

SHEAR LINE

Zone of converging winds associated with the extension of a frontal system that often brings thunderstorms and rainshowers

RIDGE OF HIGH PRESSURE AREA (HPA)
(((H
An extension of a high pressure area characterized by very light wind and clear skies

RAINFALL CONDITION

BELOW NORMAL
20%-60% reduction from the normal

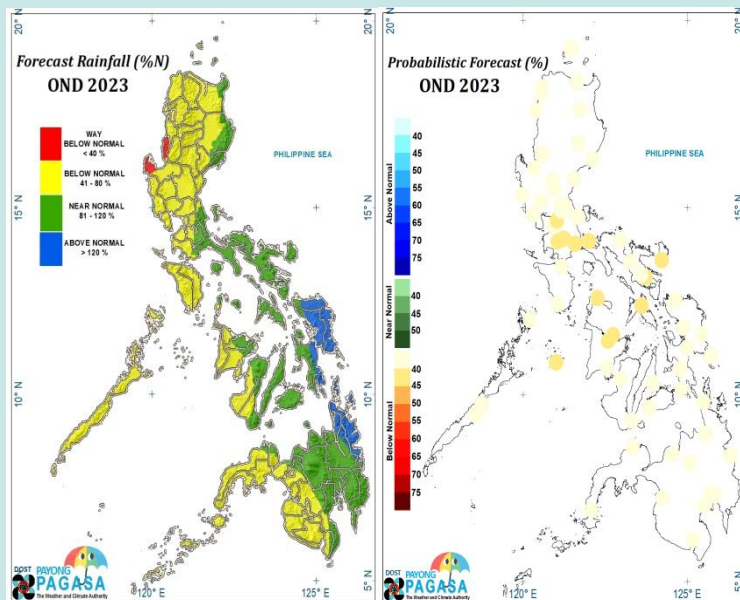
Western and Central parts of Luzon and the Western parts of Visayas and Mindanao

NEAR NORMAL **ABOVE NORMAL**
+20% or -20% from the normal 120% greater than the normal

Eastern sections of the country

BELOW NORMAL
20%-60% reduction from the normal

High probability in most parts of the country



TEMPERATURE



Surface air temperatures are predicted to be generally near to above average in most parts of the country except for Infanta, Daet, Romblon, San Jose, Masbate and Tacloban stations that will likely receive below average temperatures.