



PAYONG PAGASA

ENSO ADVISORY EL NIÑO ADVISORY NO. 7

CLIMPS-09 rev.0/15-08-2023
Issued: 05 January 2024

OVERVIEW

Strong El Niño is ongoing and is expected to continue through January-February 2024. Majority of global climate models suggest that El Niño will likely persist until the March-April-May 2024 season with a transition to ENSO-neutral in the April-May-June 2024 season.



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 will likely be manifested in the first quarter of the year. This may adversely affect the different climate-sensitive sectors such as water resources, agriculture, energy, health, public safety, and other key sectors of the country.

Assessment in December 2023

WEATHER SYSTEMS THAT AFFECTED THE COUNTRY

NE
NORTHEAST MONSOON (AMIHAN)
Cold and drier winds from the northeast bring rains over the eastern side 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

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

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

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

PASSAGE OF 1 TROPICAL CYCLONE OR 'BAGYO'
Tropical Storm (TS) Kabayan (International name: JELAWAT) December 17 – 18, 2023

RAINFALL CONDITION

WAY BELOW NORMAL
Greater than 60% reduction from the normal
BELOW NORMAL
20%-60% reduction from the normal

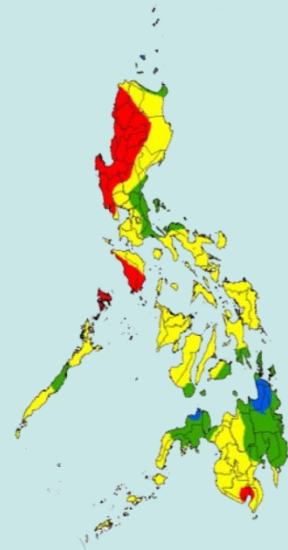
most parts of the country

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

Bulacan, Quezon, Bohol, Siquijor, Southern Leyte, Zamboanga Peninsula, Northern Mindanao, Davao Region, Caraga

ABOVE NORMAL
120% greater than the normal

Batanes and Agusan del Norte



*Over the past five (5) months of rainfall deficits, **Cavite** has experienced **meteorological drought**; **twenty-four (24) provinces** mostly in Luzon area have experienced **dry spell**; while **three (3) provinces** have experienced **dry conditions**. See Drought Assessment Map (<https://bagong.pagasa.dost.gov.ph/climate/el-nino-la-nina/advisories>)

TEMPERATURE

Generally, mean surface air temperatures observed across the country were slightly warmer to warmer than average.

Mountainous Luzon
15.2°C to 26.7°C

Metro Manila
22.9°C to 34.6°C

Mountainous Mindanao
16.8°C to 33.5°C

Lowlands Luzon
15.0°C to 36.6°C

Visayas
22.0°C to 35.0°C

Lowlands Mindanao
21.3°C to 36.4°C



Outlook in January 2024

EXPECTED WEATHER SYSTEMS

NORTHEAST MONSOON (AMIHAN)
Cold and drier winds from the northeast bring rains over the eastern side 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

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

FRONTAL SYSTEM
Zone of converging winds that stays in one area for a while which often brings thunderstorms and rain showers

INTERTROPICAL CONVERGENCE ZONE (ITCZ)
Series of low pressure areas brought about by converging northeast (NE) and southeast (SE) winds that causes thunderstorms and rain showers

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

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

PASSAGE OF 0 OR 1 TROPICAL CYCLONE OR 'BAGYO'
"Bagyo"; may refer to tropical depression, tropical storm, severe tropical storm, typhoon, or super typhoon.

RAINFALL CONDITION

WAY BELOW NORMAL
Greater than 80% reduction from the normal*

BELOW NORMAL
20%-60% reduction from the normal

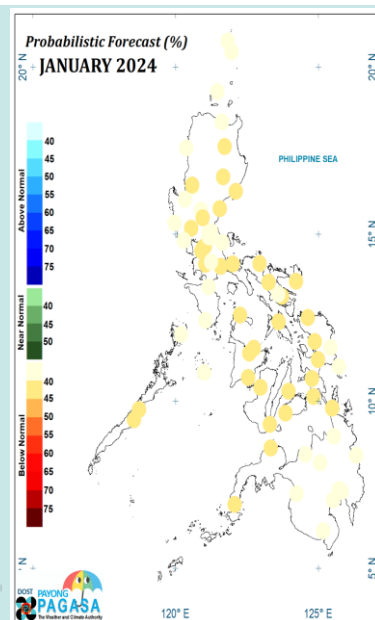
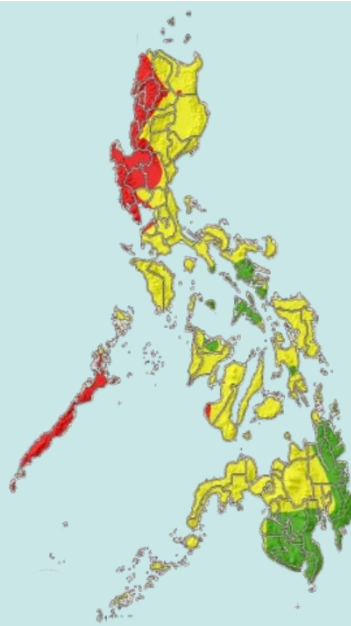
NEAR NORMAL
+20% or -20% from the normal

over the rest of the country

BELOW NORMAL
20%-60% reduction from the normal

45% probability in most parts of the country

most parts of Luzon and Visayas, Northern Mindanao, Bangsamoro Autonomous Region in Muslim Mindanao (BARMM) and Zamboanga Peninsula



TEMPERATURE

Generally, near average to warmer than average air temperatures are forecasted over the country, except in Romblon and Coron, Palawan, where cooler than average is expected.

Mountainous Luzon
10.0°C to 28.0°C

Metro Manila
19.0°C to 35.0°C

Mountainous Mindanao
14.0°C to 34.0°C

Lowlands Luzon
13.0°C to 35.5°C

Visayas
20.0°C to 35.0°C

Lowlands Mindanao
19.0°C to 37.0°C