



Monthly Climate Assessment and Outlook

La Niña Alert

Cool El Niño Southern Oscillation (ENSO)-neutral conditions persist over most of the tropical Pacific Ocean. The majority of climate models combined with expert judgments favored a 71% chance of short-lived La Niña or La Niña-like conditions developing within the November-December-January period and may continue until the first quarter of 2025.

La Niña or La Niña-like condition increases the likelihood of having above-normal rainfall conditions, which could lead to potential adverse impacts such as heavy rainfall, floods, flash floods, and rain-induced landslides over highly vulnerable areas.

Assessment in October 2024

The weather systems that affected the country during the month were the Southwest (SW) Monsoon (Habagat) that was terminated last October 07, easterlies, localized thunderstorms, low-pressure areas (LPAs), shearline, Intertropical Convergence Zone (ITCZ), and the passage of two (2) tropical cyclones (TCs) namely: Severe Tropical Storm (STS) *Kristine* {*Trami*} on October 21-25; Super Typhoon (STY) *Leon* {*Kong-rey*} on October 26-31 which traversed Northern Luzon and brought high impact rainfall and flooding in some areas of Northern and Southern Luzon. According to the combined Situational Report No. 32 of the National Disaster Risk Reduction and Management Council (NDRRMC), for two TCs (Kristine and Leon) issued on 07 November 2024, a total of 2,309,494 families were affected with one hundred fifty-eight reported casualties, one hundred thirty-two injured, and twenty-one persons still missing. Meanwhile, the agriculture sector recorded losses estimated up to ₱7.033 Billion while ₱8.922 Billion reported damage to infrastructure.

Meanwhile, the assessment of rainfall conditions for the month showed that near to above-normal rainfall conditions were observed in Luzon and most of Visayas and Mindanao aside from patches of below-normal rainfall over Southern Leyte, Davao City, South Cotabato, Sarangani, and portions of Caraga.

Furthermore, surface air temperatures in October were generally near-average to warmer-than-average in most parts of the country. The actual temperature ranges were as follows: 23.6°C – 34.8°C in Metro Manila; 16.0°C – 25.6°C in the mountainous areas of Luzon; 20.5°C – 35.9°C for the rest of Luzon; 21.5°C – 35.7°C in Visayas; 18.6°C – 33.5°C over the mountainous areas of Mindanao; and 21.0°C – 36.7°C over the rest of Mindanao. Furthermore, three observing sites surpassed their highest maximum temperature records this month. These transpired in Catarman (35.7°C) on October 01, Davao station (36.2°C) on October 24, and Hinatuan (36.7°C) on October 25.

Outlook for November 2024

This November, the Northeast Monsoon (Amihan) is expected to set in while other weather systems are also expected to affect the country such as easterlies, localized thunderstorms, the ridge of high-pressure areas (HPAs), LPAs, shearline, and at least one (1) tropical cyclone occurrence inside the Philippine Area of Responsibility (PAR), along with the possible influence of intra-seasonal and inter-annual climate modes like the Madden-Julian Oscillation (MJO) and the developing La Niña, among others.

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Moreover, the rainfall forecast for the month favors near- to above-normal conditions in most parts of the country. Likewise, the probabilistic forecast indicates a moderate to high chance of near- to above-normal rainfall conditions in most parts of the country.

Generally, near-average to warmer-than-average surface air temperatures are expected in most parts of the country in November except for some stations in Southern Luzon where slightly cooler-than-average temperatures are likely.

The forecast ranges of temperature for November are as follows: 20.6°C to 35.5°C in Metro Manila; 12.2°C to 26.8°C in the mountainous areas of Luzon; 16.5°C to 36.5°C for the rest of Luzon; 20.1°C to 35.9°C in Visayas; 15.4°C to 33.8°C in the mountainous areas of Mindanao; and 19.8°C to 37.7°C for the rest of Mindanao.

DOST-PAGASA will continue closely monitoring the looming La Niña and updates will be issued accordingly. Meanwhile, the government-concerned agencies and the general public are encouraged to stay updated and use the information for your guidance and anticipatory action. For more information, please contact the DOST-PAGASA Climatology and Agrometeorology Division (CAD) at 8284-0800, extension 4921 or 4920.

Original Signed:

NATHANIEL T. SERVANDO, Ph.D.
 Administrator

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