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Monthly Climate Assessment and Outlook

ENSO-neutral conditions persist

El Niño Southern Oscillation (ENSO) - neutral condition is present across the tropical Pacific Ocean, as both the oceanic and atmospheric indicators are within neutral levels. Majority of the climate models suggest ENSO-neutral conditions are likely to persist during the June-July-August 2021 season, with 50% chance to continue until September-October-November 2021 season.

Assessment in June 2021

The weather systems that affected the country during the month were the localized thunderstorms, low pressure areas (LPAs), ridge of high pressure areas (HPAs), inter-tropical convergence zone (ITCZ) and southwest (SW) monsoon, which triggered the onset of the rainy season. One tropical cyclone, was inside the Philippine Area of Responsibility (PAR) in June. Tropical Storm "Dante" (Choi-Wan) developed inside the PAR on 30 May and stayed within PAR until 5 June 2021. It affected several areas in Visayas and southern Luzon with heavy precipitation which caused multiple incidents of landslide and flooding over Regions VII, VIII, XII, CALABARZON and MIMAROPA, based on the NDRRMC Situational Report No. 13 dated 25 June 2021.

With monsoon break occurrence during the month, rainfall conditions were below to near normal in most regions of the country. However, the provinces of Bohol, Leyte, and Southern Leyte in Visayas, and Camiguin, Dinagat Islands and Davao Region in Mindanao received above normal rainfall.

Surface temperatures were near to slightly warmer than usual, except for western parts of the Visayas, where temperatures were slightly cooler than average. Mean temperature ranges were as follows: mountainous areas of Luzon, 16.4°C – 24.3°C; rest of Luzon, 20.8°C – 37.1°C; Visayas, 24.2°C – 33.3°C; mountainous areas of Mindanao, 19.0°C – 30.9°C; rest of Mindanao, 22.3°C – 34.1°C and Metro Manila: 25.6°C – 33.2°C.

Meanwhile, three (3) stations, namely Clark, Pampanga (38.3°C on 01 June), Tanay, Rizal (32.2°C on 01 June), and Zamboanga City (36.8°C on 04 June), have surpassed their historical extreme maximum temperatures for the month.

Outlook for July 2021

The weather systems that will likely affect the country during the month are the easterlies, localized thunderstorms, ITCZ, LPAs, SW monsoon, and one (1) to three (3) tropical cyclones that may enter/develop inside the PAR.

Rainfall forecast for the month shows that near normal rainfall conditions are expected in most parts of the country. Meanwhile, Region I, Cordillera Administrative Region, Metro Manila and the provinces of Batanes, Cagayan, Bataan, Tarlac, Zambales and Cavite will likely experience below normal rainfall conditions.

Generally, slightly below average to above average air temperatures are predicted in most parts of the country. The predicted ranges of temperature are as follows: 15.0°C to 27.5°C over the mountainous areas of Luzon, 17.0°C to 40.0°C for the rest of Luzon, 20.0°C to 36.5°C in the Visayas, 16.5°C to 34.5°C over the mountainous areas of Mindanao; 18.5°C to 36.0°C over rest of Mindanao and 21.5°C to 36.5°C in Metro Manila.

Despite the on-going community quarantine due to the COVID-19 pandemic, PAGASA will continue to closely monitor the climate conditions and updates shall be issued as appropriate. For further information, please contact the Climatology and Agrometeorology Division (CAD) at telephone number 8284-0800, local 906.

VICENTE B. MALANO, Ph.D.
Administrator

"tracking the sky...helping the country"

Science Garden Compound, BIR Road, Brgy. Central, Quezon City
Metro Manila, Philippines 1100

Trunkline: (02) 8284-0800 local 906
Website: <http://bagong.pagasa.dost.gov.ph>