



# CLIMATE REVIEW

May – June 22, 2025

Presented by:

**Joanne Mae B. Adelino**

Climate Monitoring and Prediction Section (CLIMPS)

Climatology & Agrometeorology Division (CAD)

**DOST-PAGASA**

**LIVE** via Zoom and DOST PAGASA Facebook and YouTube Channel

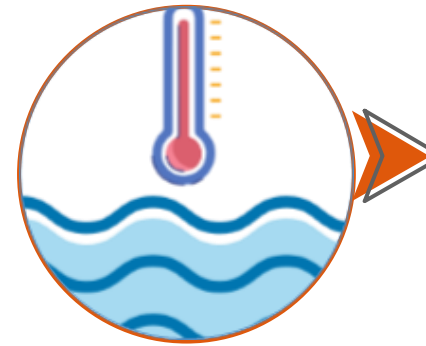
Dost\_pagasa @dost\_pagasa DOST PAGASA Weather Report <https://bagong.pagasa.dost.gov.ph>



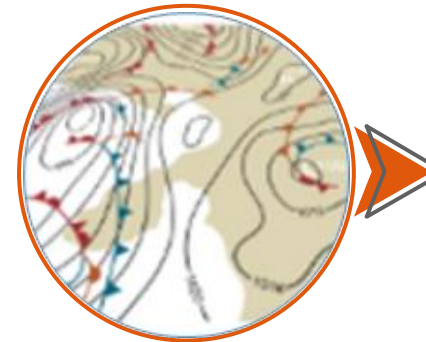
185<sup>th</sup>

**Climate  
Forum**

# Content Outline



Recent ENSO Condition



Weather Systems



Climate Assessment



Summary



# Monthly Climate Outlook and Advisory



CLIMPS-02 Rev. 1/24-06-2024



## Monthly Climate Assessment and Outlook

ENSO-neutral conditions currently prevail over the tropical Pacific, and most climate models suggest that these conditions are likely to persist through the August–September–October 2025 season.

As the rainy season progresses under ENSO-neutral conditions, rainfall patterns across the country will continue to be largely modulated by the Southwest (SW) monsoon or “Habagat” and other rain-bearing systems, which may bring episodes of heavy rainfall, gusty winds, and localized floods, particularly over the western sections of the country.

### Assessment in May 2025

The weather systems that affected the country during the month of May are the frontal systems, easterlies, localized thunderstorms, ridge of high-pressure area (HPA), low-pressure areas (LPAs), the Intertropical Convergence Zone (ITCZ), and the SW monsoon, which began on May 30. The ITCZ has brought significant rainfall in Mindanao that caused widespread flooding in many areas, particularly in Davao Region (Region XI), SOCCSKSARGEN (Region XII), and the Bangsamoro Autonomous Region in Muslim Mindanao (BARMM). Based on separate NDRRMC progress reports, 24 cities and municipalities in Maguindanao del Sur were placed under the State of Calamity (Progress Report No. 8 for Maguindanao del Sur, June 1); while six (6) casualties were reported across Regions XI and XII (Progress Reports No. 7 for Region XI and 9 for Region XII, issued June 3 and June 1, respectively).

Rainfall assessment for the month showed that generally above normal rainfall conditions were experienced in most areas of Visayas and Mindanao while near-normal to above normal rainfall conditions were observed in most parts of Luzon except in some portions of Cagayan Valley, Cordillera Administrative Region, and Central Luzon that received below-normal rainfall.

Furthermore, surface air temperatures during this month were generally near-average to warmer-than-average in most parts of the country. The actual temperature ranges were as follows: mountainous areas of Luzon: 15.0°C – 26.8°C; rest of Luzon: 20.2°C – 39.2°C; Visayas: 23.4°C – 35.8°C; mountainous areas of Mindanao: 19.0°C – 34.0°C; rest of Mindanao: 22.3°C – 36.0°C and 23.2°C – 37.2°C in Metro Manila. Lastly, no record maximum or minimum temperatures were surpassed for the month of May.

### Outlook for June 2025

The weather systems that may affect the country for the month of June are the SW monsoon, easterlies, ridge of high-pressure area, localized thunderstorms, ITCZ, LPAs, shearline, frontal system, and one (1) or two (2) tropical cyclones that may develop inside/enter the Philippine Area of Responsibility (PAR). Moreover, the onset of the rainy season commenced between May 28 and June 01, 2025 (pentad).

The rainfall forecast for the month shows that near normal conditions will be experienced in most parts of the country.

Generally, near-average to warmer-than-average surface air temperatures are expected across the country, except for portions of MIMAROPA, where slightly cooler-than-average temperatures are expected. The forecast temperature ranges are as follows: 14.6°C – 27.8°C in the mountainous areas of Luzon; 21.0 °C – 39.0 °C for the rest of Luzon; 20.7°C “tracking the sky...helping the country”

Science Garden Compound, Senator Miriam P. Defensor-Santiago Ave.,  
Brgy. Central, Quezon City, Metro Manila, Philippines 1100  
Tel. No. (02) 8284-08-00 loc. 4921 or 4920  
Website: <http://www.pagasa.dost.gov.ph>



CLIMPS-02 Rev. 1/24-06-2024



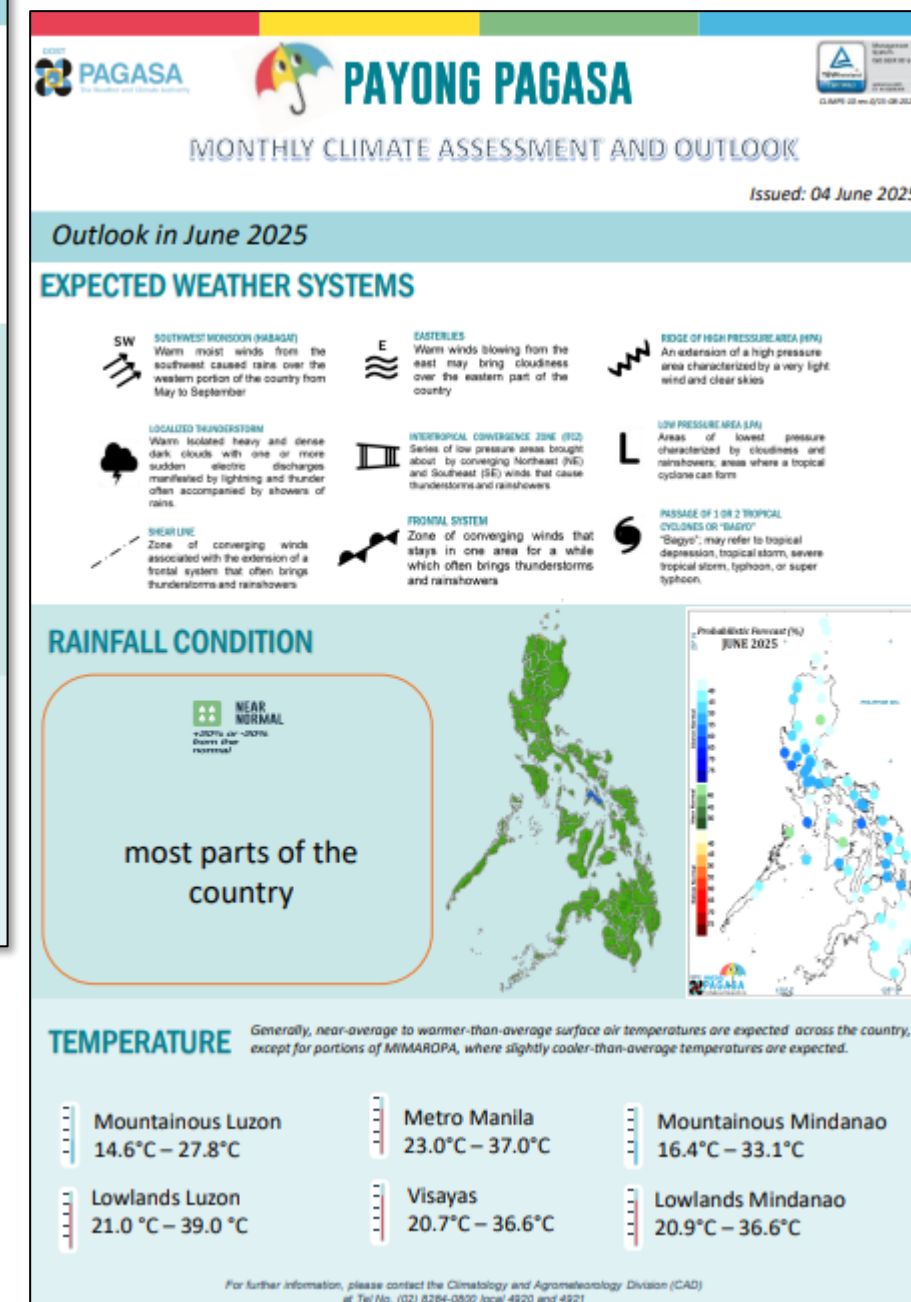
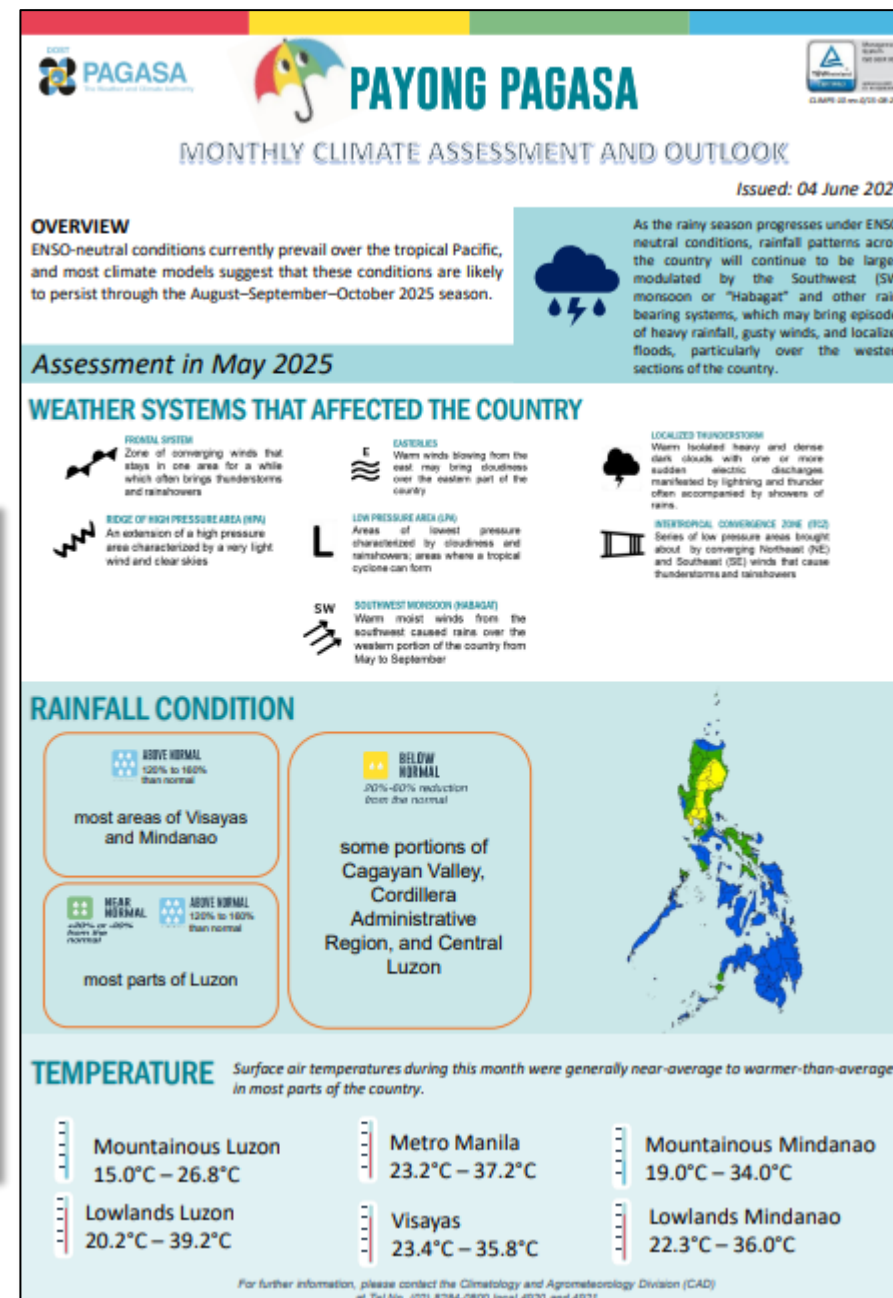
– 36.6°C in the Visayas; 16.4°C – 33.1°C over the mountainous areas of Mindanao; 20.9°C – 36.6°C over the rest of Mindanao; and 23.0°C – 37.0°C over Metro Manila.

DOST-PAGASA will actively monitor the climate conditions and provide updates as needed. Concerned agencies and the public are urged to stay informed and use climate information for guidance during the ongoing SW season. Remain vigilant and take precautions against potential impacts of the rainy season and other weather-related hazards. For more information, contact (02) 8284-0800, local 4921 or 4920.

Original Signed:

**NATHANIEL T. SERVANDO, Ph.D.**  
Administrator

Date issued: 04 June 2025



<https://www.pagasa.dost.gov.ph/climate/climate-advisories>



# Press Releases

## Press Release

### START OF THE SOUTHWEST MONSOON

30 May 2025

**DOST-PAGASA S&T Media Service**  
**Quezon City , 30 May 2025**

Recent weather analysis over the past several days has shown the persistence of low-level southwesterly winds over the western section of Luzon and the Frontal System over Extreme Northern Luzon . With the weakening of the Easterlies, these developments indicate the beginning of the Southwest Monsoon (Habagat) in the Philippines – one of the precursors of the onset of the rainy season.

As the Habagat becomes more dominant, occasional to frequent rains and thunderstorms are expected particularly over the western sections of the country. This may lead to the possible onset of the rainy season within the next two (2) weeks. Periods of the monsoon breaks may also occur.

PAGASA will continue to monitor the weather situation of the country. The public and all concerned agencies are advised to take precautionary measures against the adverse impacts of the Habagat such as floods and rain-induced landslides. For more information, you may contact the Weather Forecasting Section, Weather Division at telephone number 8284-0800 local 4801.

Original signed:

NATHANIEL T. SERVANDO,  
Administrator



Republic of the Philippines  
**DEPARTMENT OF SCIENCE AND TECHNOLOGY**  
Philippine Atmospheric, Geophysical and  
Astronomical Services Administration (PAGASA)



**PRESS RELEASE**  
DOST-PAGASA S&T Media Service  
Quezon City, 02 June 2025

#### ONSET OF THE RAINY SEASON

Based on the latest weather analysis and rainfall data from selected DOST-PAGASA stations, scattered to widespread rainfall has been observed in the past five days due to the Southwest Monsoon (Habagat). This signifies the onset of the rainy season across the western sections of Luzon and Visayas.

However, there may still be breaks in the rainfall that extend over a few days or weeks, referred to as monsoon breaks.

PAGASA will continue to monitor the weather and climate situation in the country. The public and all concerned agencies are advised to take precautionary measures against the adverse impacts of the rainy season, Habagat, and other climate and weather events.

For more information, you may reach us via phone at (02) 8284-0800 local 4801 (Weather Forecasting Section) and 4920/4921 (Climate Monitoring and Prediction Section) or email at [information@pagasa.dost.gov.ph](mailto:information@pagasa.dost.gov.ph); [climps@pagasa.dost.gov.ph](mailto:climps@pagasa.dost.gov.ph).

**Original Signed:**

**NATHANIEL T. SERVANDO, Ph.D.**  
Administrator

*"tracking the sky...helping the country"*

Science Garden Compound, Senator Miriam P. Defensor-Santiago Avenue,  
Brgy. Central, Quezon City, Metro Manila, Philippines 1100

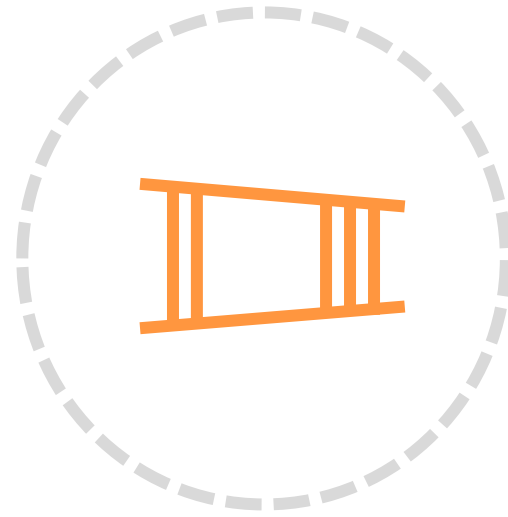
Trunkline No.: (+632) 8284-08-00  
Website: <http://bagong.pagasa.dost.gov.ph>

# Weather systems that affected the country

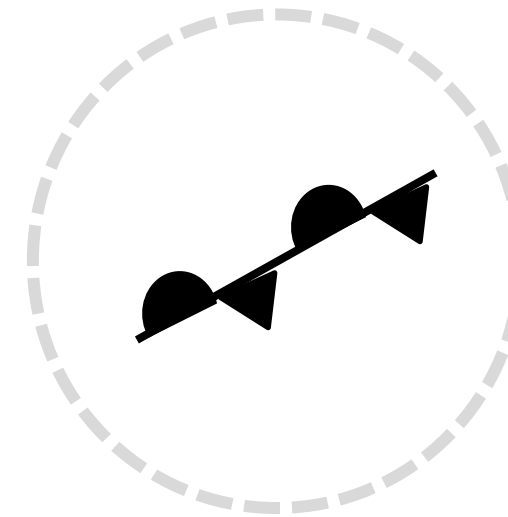
**May – June 22, 2025**



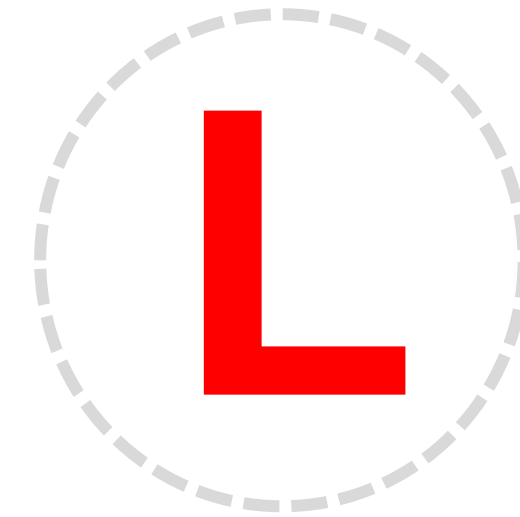
**EASTERLIES**



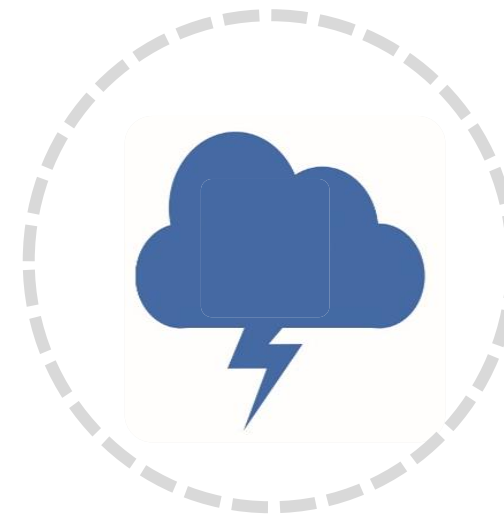
**INTERTROPICAL  
CONVERGENCE ZONE (ITCZ)**



**FRONTAL  
SYSTEM**



**LOW PRESSURE  
AREA (LPA)**



**LOCALIZED  
THUNDERSTORMS**



**RIDGE OF HIGH  
PRESSURE AREA (HPA)**



**SOUTHWEST  
MONSOON**  
**START: MAY 30**



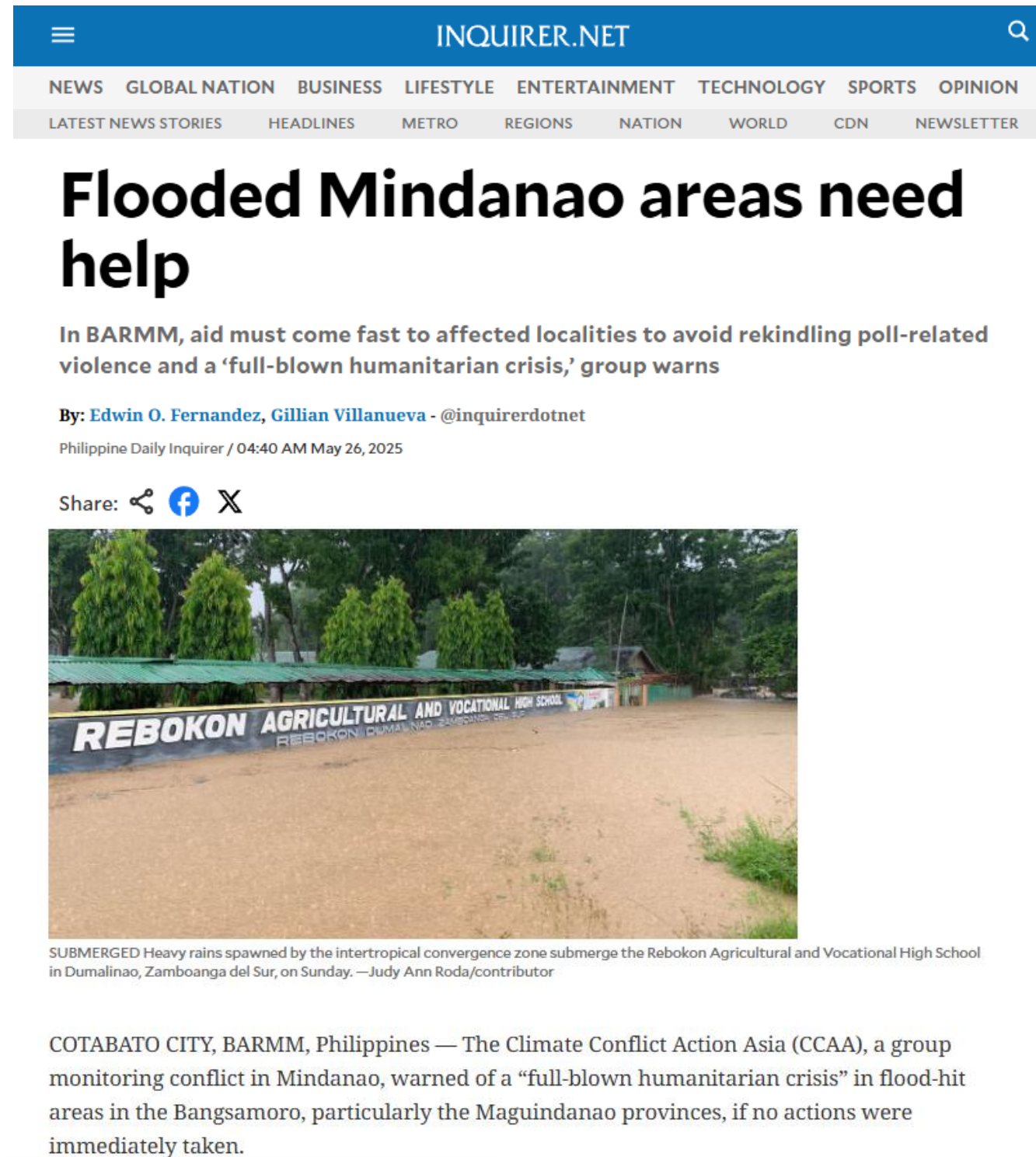
**TROPICAL CYCLONE (TC)**  
**TD AURING      JUN 12-13**



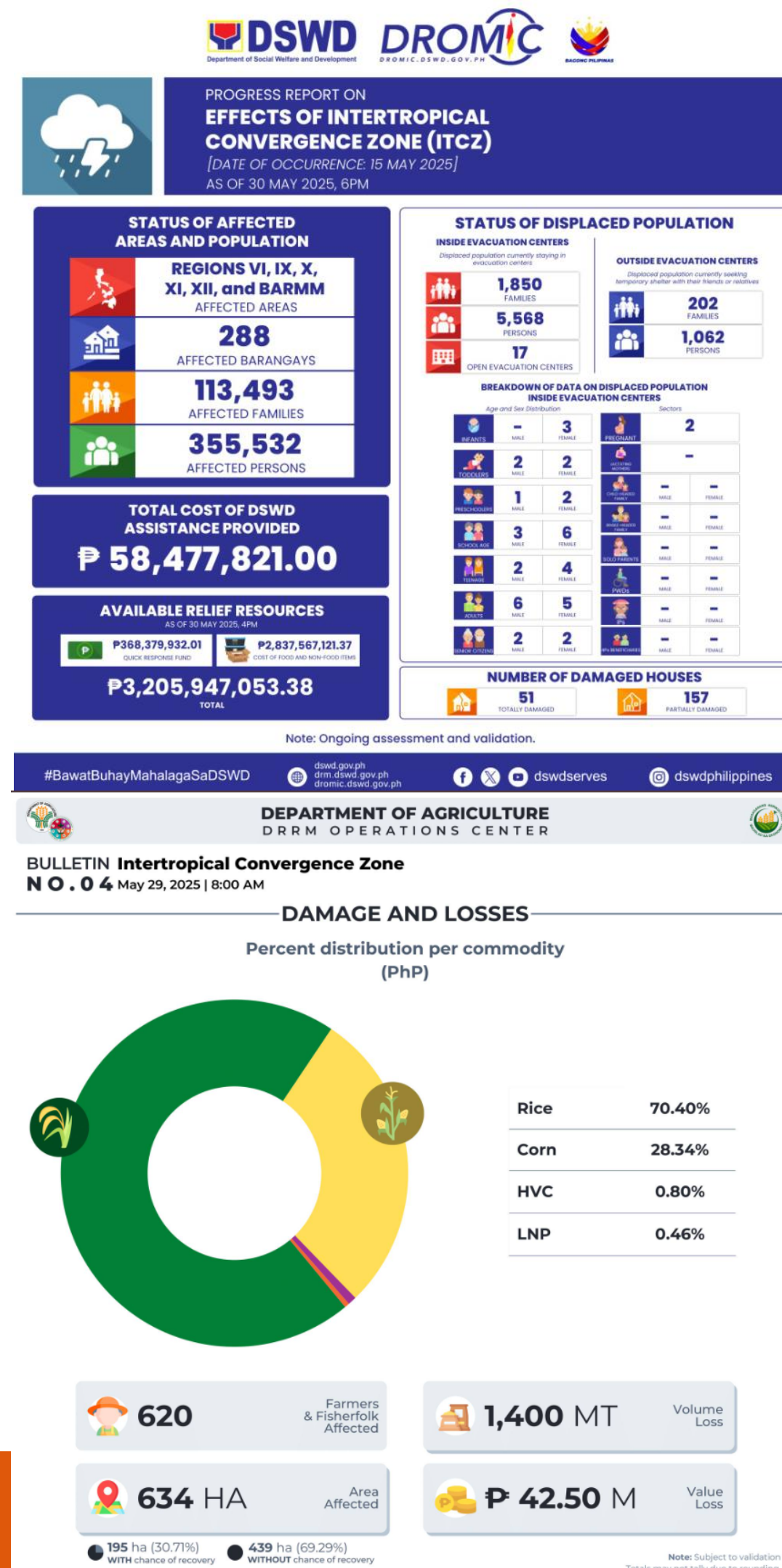
## Significant Weather Events



<https://www.gmanetwork.com/regionaltv/news/108164/over-7t-families-displaced-in-mindanao-floods/story/>

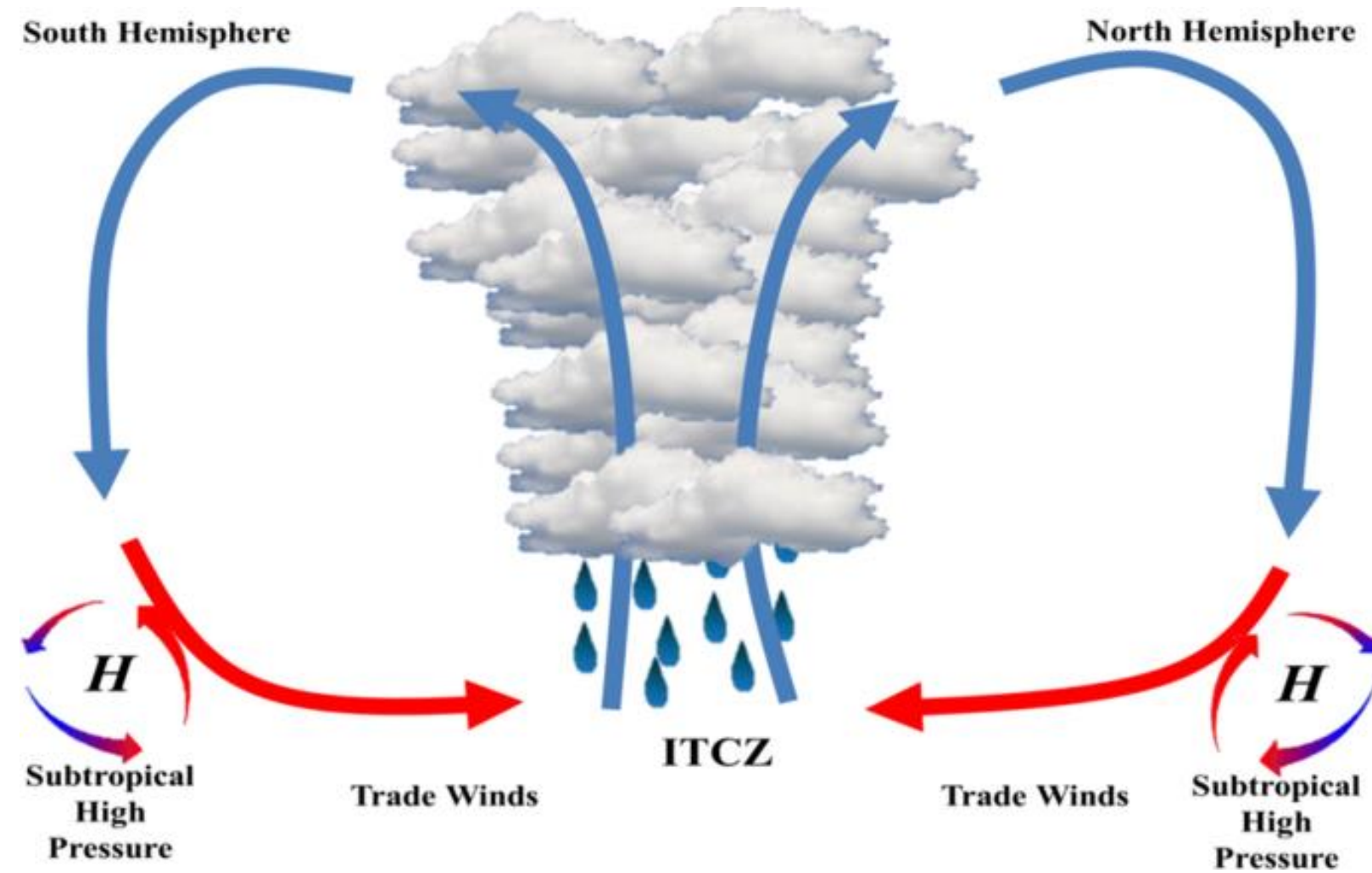


<https://newsinfo.inquirer.net/2063466/flooded-mindanao-areas-need-help>

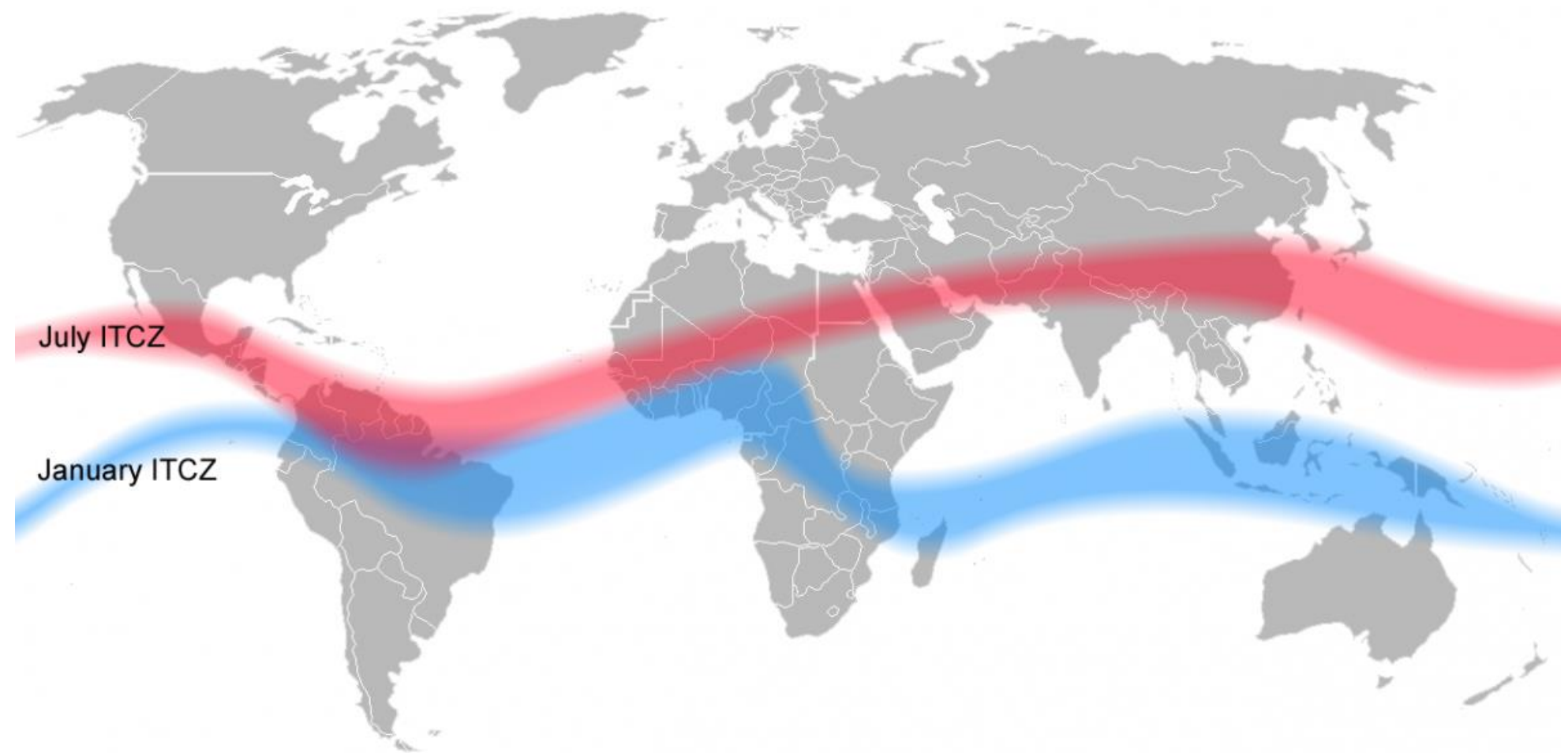




# What is the ITCZ?



Lashkari, H., Jafari, M. Annual displacement and appropriate index to determine ITCZ position in East Africa and the Indian Ocean regions. *Meteorol Atmos Phys* 133, 1111–1126 (2021).  
<https://doi.org/10.1007/s00703-021-00797-y>

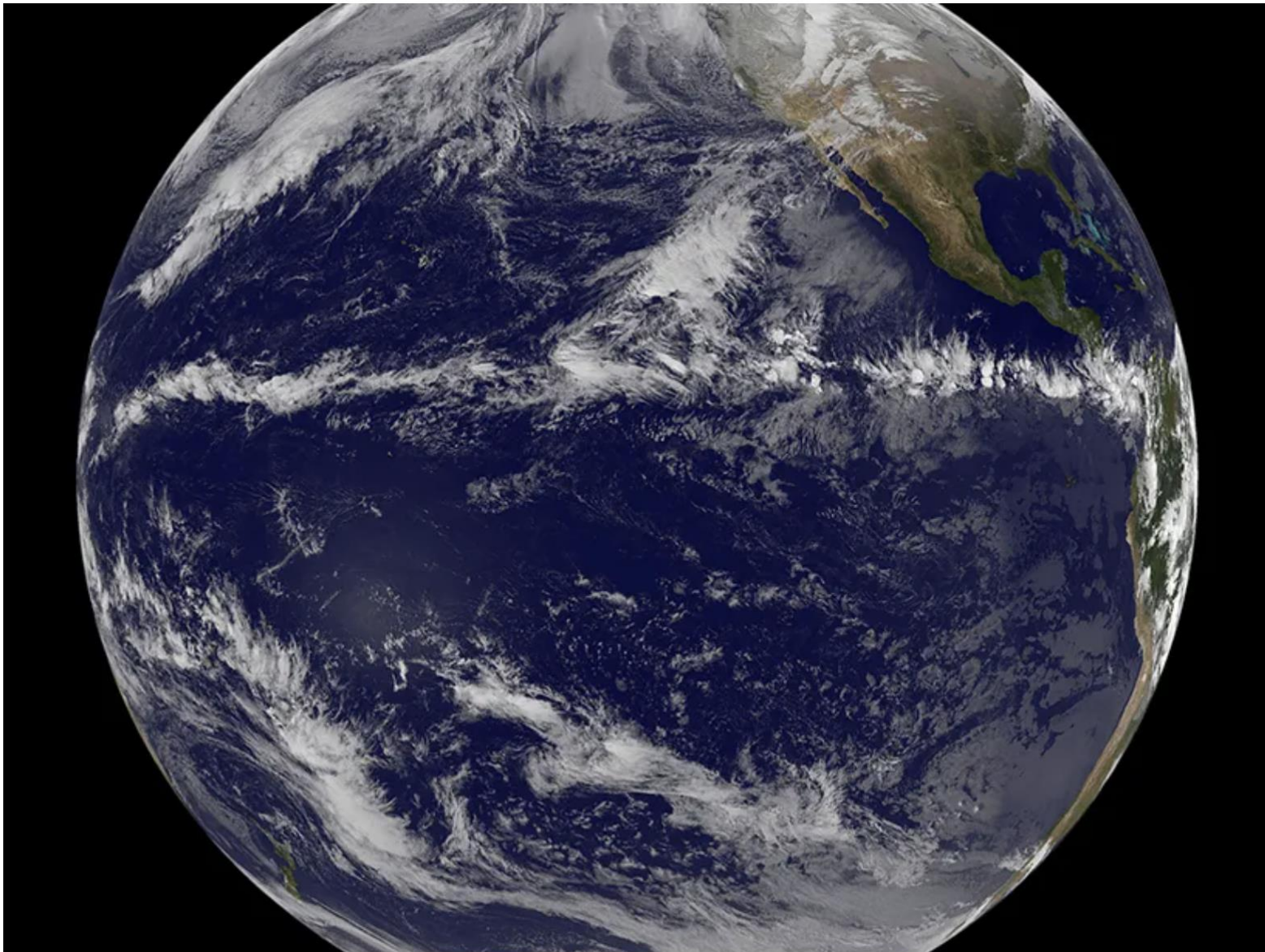


Source: Wikicommons. Author Mats Halldin, 13 Dec 2006.

The **Intertropical Convergence Zone (ITCZ)** is a region near the equator where the trade winds meet and push warm, moist air upward, creating clouds, rains, and thunderstorm. Its position shifts with the seasons.



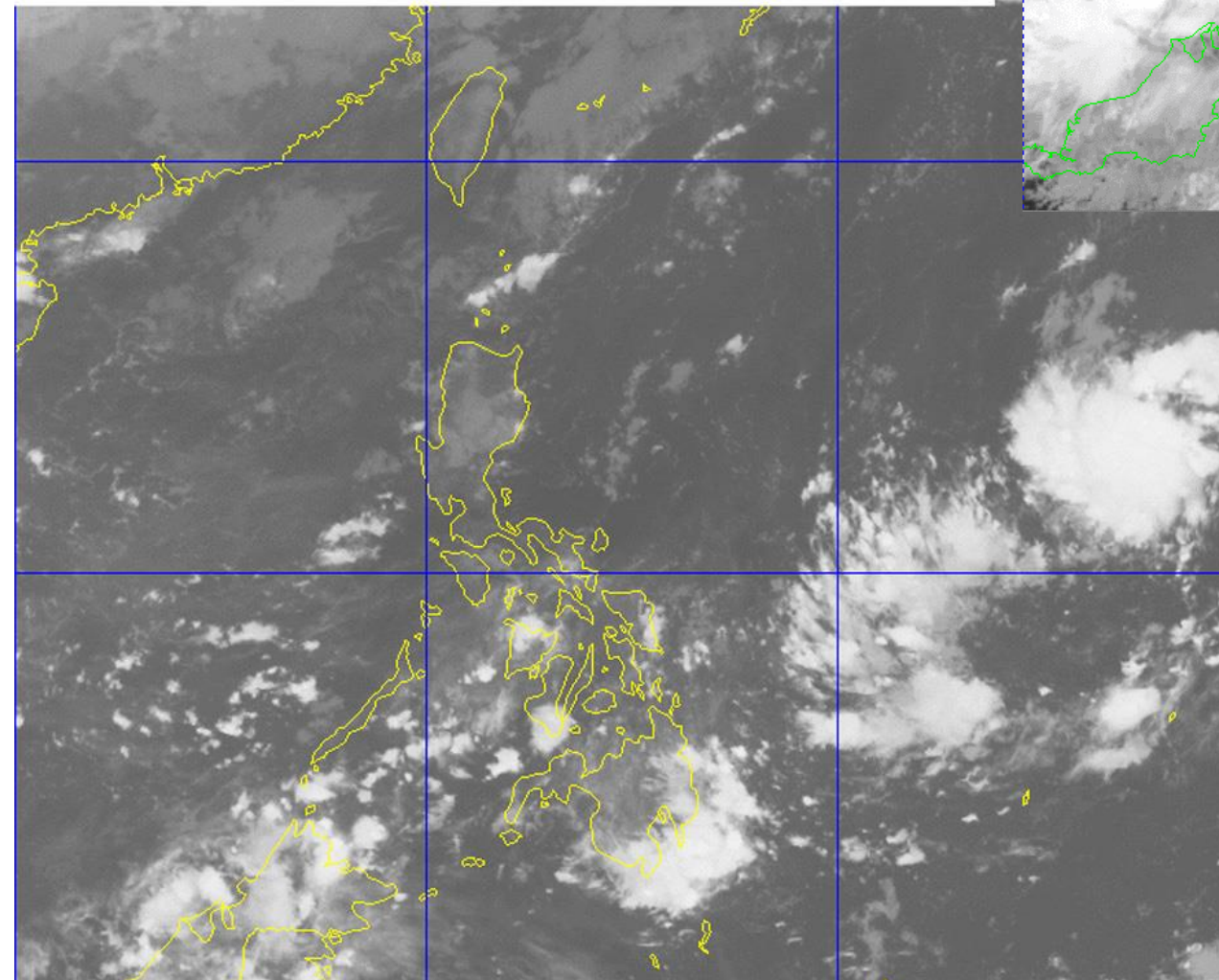
# What is the ITCZ?



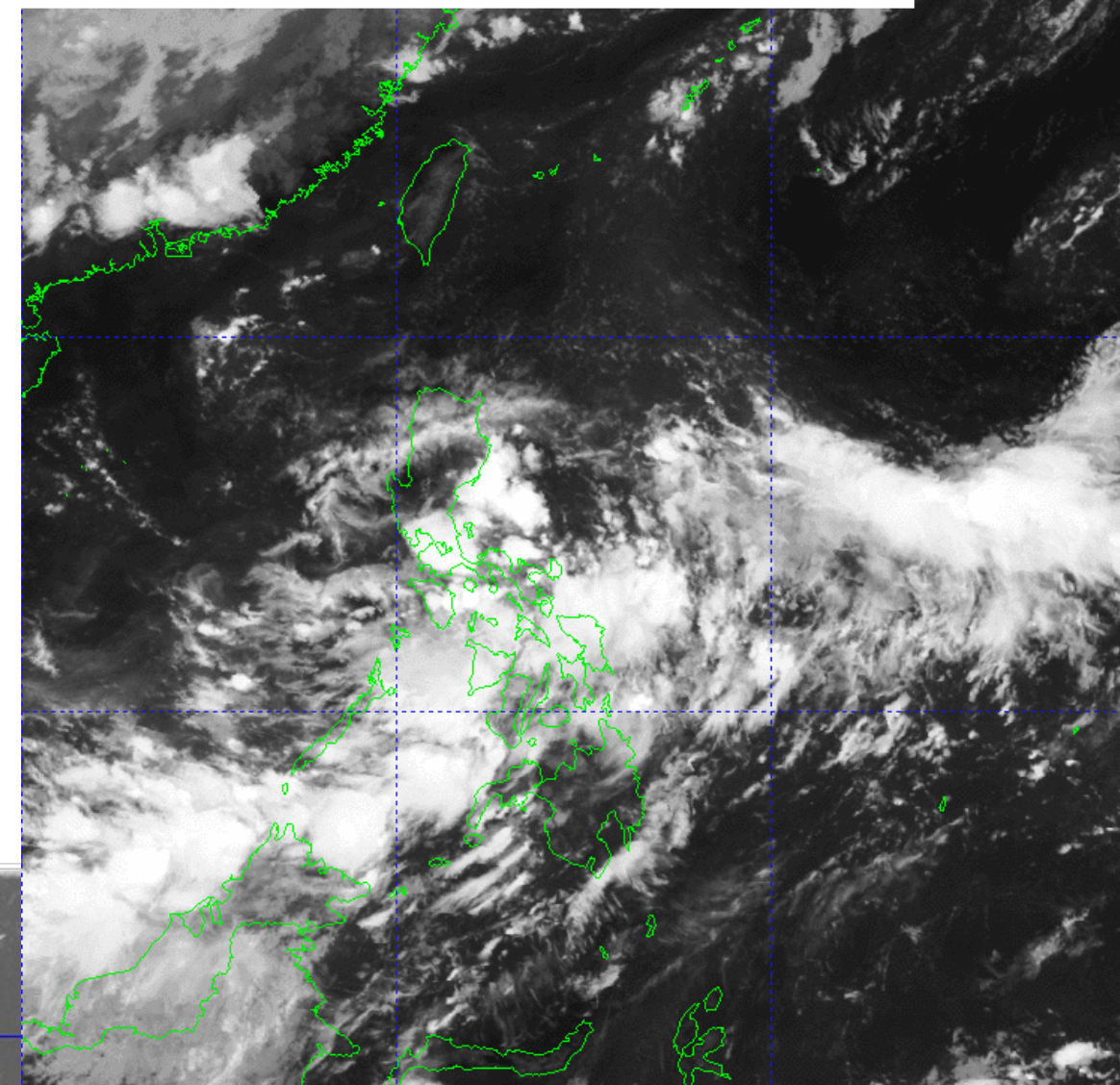
This satellite image shows a textbook Intertropical Convergence Zone (ITCZ) on 24 November 2010 that stretches all the way across the Pacific Ocean. New research improves understanding of ITCZ and shows that rainfall in the zone is intensifying. Credit: NASA GOES Project Science

<https://eos.org/research-spotlights/tropical-rainfall-intensifies-while-the-doldrums-narrow>  
<https://www.abs-cbn.com/news/10/15/19/weather-scattered-rains-in-parts-of-visayas-mindanao-due-to-itcz>  
<https://dzh.com.ph/post/itcz-to-bring-scattered-rains-over-south-luzon-visayas-mindanao>

DOST PAGASA HIMAWARI-8 IR1 2019-10-15 4:30:00 AM PHT

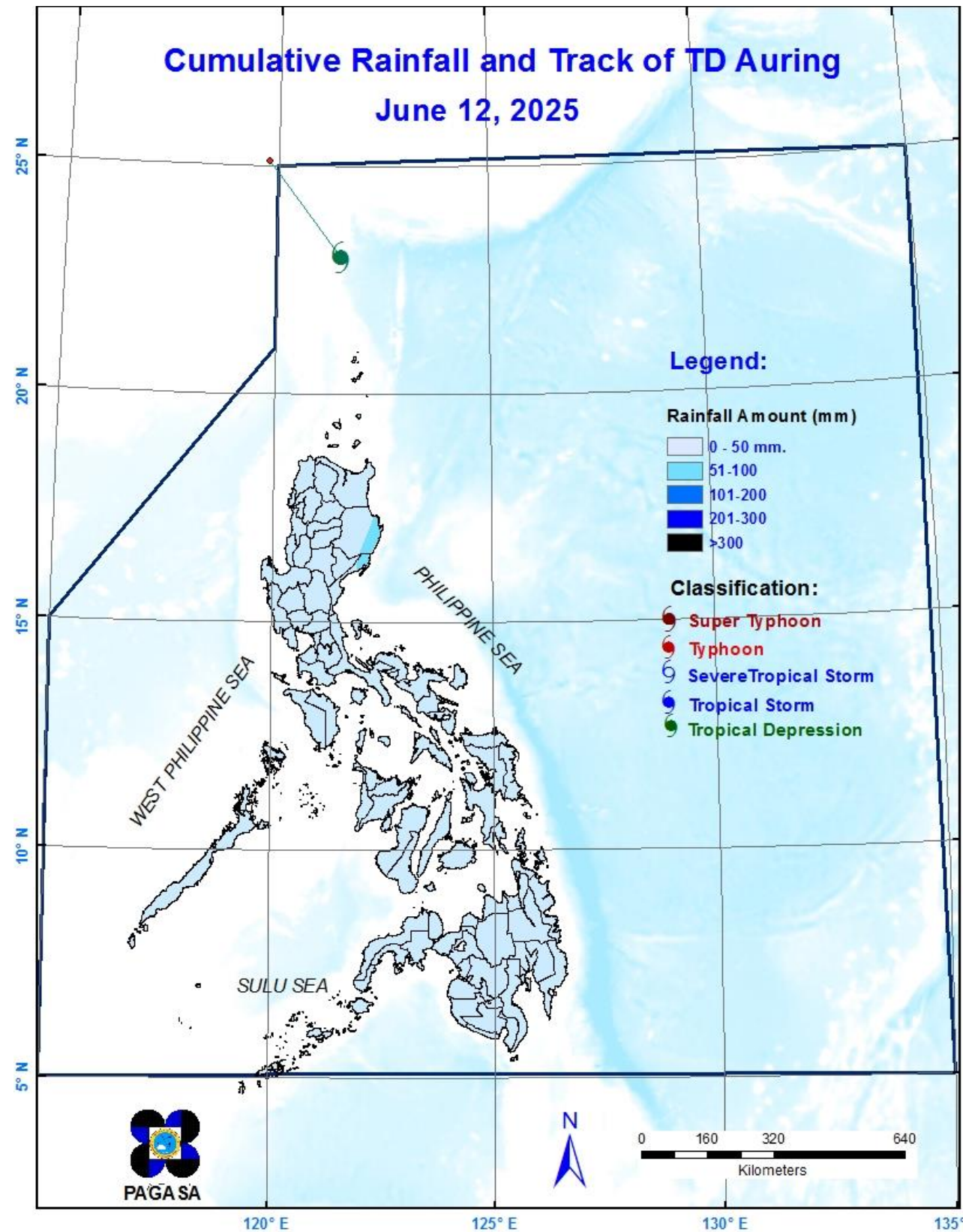


DOST PAGASA HIMAWARI-9 IR1 2023-09-22 8:00:00 AM PHT





# Significant Weather Events



## Situational Report No. 5 for the Combined Effects of Enhanced Southwest Monsoon, Low Pressure Area 6a (LPA 6a), and TC AURING (2025)

15 Jun 2025 08:00

### PRE-EMPTIVE EVACUATION



0

Pre-emptively Evacuated

No pre-emptive evacuation conducted as of reporting time.

### AFFECTED POPULATION



5,308

Affected Families



18,627

Affected Persons



7 Regions  
9 Provinces  
13 Cities/Municipalities  
65 Barangays

### STATUS OF EVACUATION



1,777

Displaced Persons



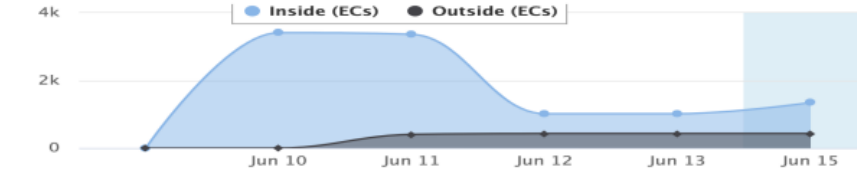
Inside (ECs)  
Outside (ECs)



12

Evacuation Centers

### DISPLACEMENT TREND



### CASUALTIES

\*This includes those that have been reported but are not yet reflected in the NDRRMC SitRep.

Dead

3

Total

0

For Validation

3

Confirmed

Injured

1

Total

1

For Validation

0

Confirmed

Missing

0

Total

0

For Validation

0

Confirmed

Unidentified

Male

Female

### BREAKDOWN OF CASUALTIES PER SEX AND AGE GROUP

(Based on data for casualties that have been reflected in the NDRRMC SitRep)

CASUALTIES



### RELATED INCIDENTS



42

Flooded Areas

A total of 42 areas in Region 3, Region 9, Region 11, Region 12



9

Other Related Incidents



Landslide (Rain-Induced)  
Others (please specify)

### DAMAGED HOUSES

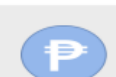


790

Damaged Houses



780 - Partial...  
10 - Totally ...



Estimated Cost of Damaged Houses

P 50,000

### DAMAGE TO INFRASTRUCTURE



3

Damaged Infrastructure



Schools  
Bridges  
Others



Estimated Cost of Damaged Infrastructure

P 0

<https://monitoring-dashboard.ndrrmc.gov.ph/exports/infographics/combined-effects-of-enhanced-southwest-monsoon-low-pressure-area-6a-lpa-6a-and-tc-auring-2025/8356/24-1750756156>



# Significant Weather Events



REPUBLIC OF THE PHILIPPINES  
**NATIONAL DISASTER RISK REDUCTION AND MANAGEMENT COUNCIL**  
National Disaster Risk Reduction and Management Center, Camp Aguinaldo, Quezon City, Philippines

**National Disaster Risk Reduction and Management Council**

## INCIDENTS MONITORED

### Initial Report for the Flash Flood Incident in City of San Jose Del Monte, Bulacan (Region III)

DATE OF INCIDENT	June 06, 2025
TIME OF INCIDENT	03:00 pm
DATE ISSUED	June 07, 2025
TIME ISSUED	06:00 pm
OVERVIEW	On 06 June 2025, 3:00 PM, a flash flood incident occurred in Brgys. Muzon, Francisco homes, Sto. Nino I, Mulawin, San Rafael IV, Sta. Cruz IV and Sto. Cristo City of San Jose Del Monte, Bulacan. The incident was caused by continuous heavy rainfall that led to rapid rise of water levels in low lying areas and overflowed the creek located in the area. Subsequently, subsided 6:00 PM same day of the incident.

[https://ndrrmc.gov.ph/attachments/article/4281/Initial\\_Report\\_for\\_the\\_Flash\\_Flood\\_Incident\\_in\\_City\\_of\\_SJDM\\_Bulacan\\_Region\\_3.pdf](https://ndrrmc.gov.ph/attachments/article/4281/Initial_Report_for_the_Flash_Flood_Incident_in_City_of_SJDM_Bulacan_Region_3.pdf)

NEWS

Filtered by: Topstories

## Over 3,000 families in Bulacan, Zamboanga City affected by Habagat, LPA

By GMA Integrated News

Published June 9, 2025 4:12pm



<https://www.gmanetwork.com/news/topstories/nation/948809/over-3-000-families-in-bulacan-zamboanga-city-affected-by-habagat-lpa/story/>



Credit: City of San Jose del Monte Public Information Office



# Significant Weather Events

NEWS

Filtered by: Topstories

## Several Metro Manila roads flooded due to thunderstorm

By GMA Integrated News

Published June 21, 2025 8:58pm



Photo: YouScoop Jodz Andres

<https://www.gmanetwork.com/news/topstories/metro/950130/several-metro-manila-roads-flooded-due-to-thunderstorm/story/>

NATION

## Floods hit Metro Manila streets after heavy rains – MMDA

By: [Mary Joy Salcedo](#) - @inquirerdotnet INQUIRER.net / 06:34 PM June 21, 2025

Share: [f](#) [X](#)



File photo of a flooded street in Metro Manila.(PNA photo by Ben Briones)

<https://newsinfo.inquirer.net/2073239/floods-hit-metro-manila-streets-after-heavy-rains-mmda>



Radyo Pilipinas · Follow

· Reels · Jun 23 ·



TINGNAN | Sitwasyon ng baha sa Commonwealth-Don Antonio Avenue. | via Melany



GMA News · Following

· Reels · Jun 24 ·

JUNE 23, 2025  
YOUSCOOPER MADELYN BALOCA  
COMMONWEALTH AV



ICYMI: Mabigat na daloy ng trapiko ang bumungad sa ilang pasahero sa Commonwealth Avenue, Quezon City hapon nitong June 23 dahil sa pagbaha.

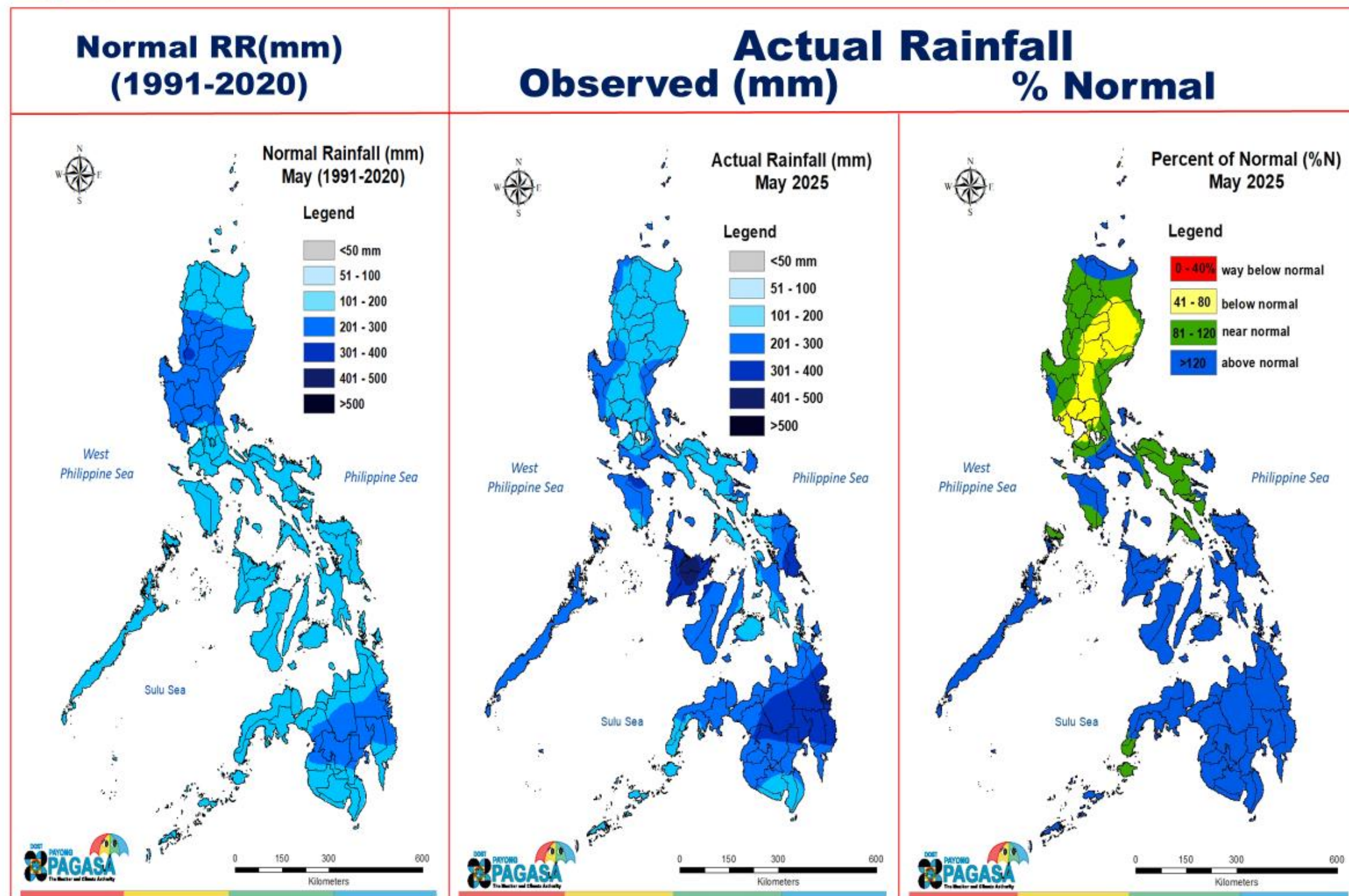
Sa vide... See more



# Rainfall Assessment



## Actual Rainfall for May 2025



## May 2025 Rainfall per province

Above normal: **56**

Near normal: **22**

Below normal: **7**

Way below normal: **0**

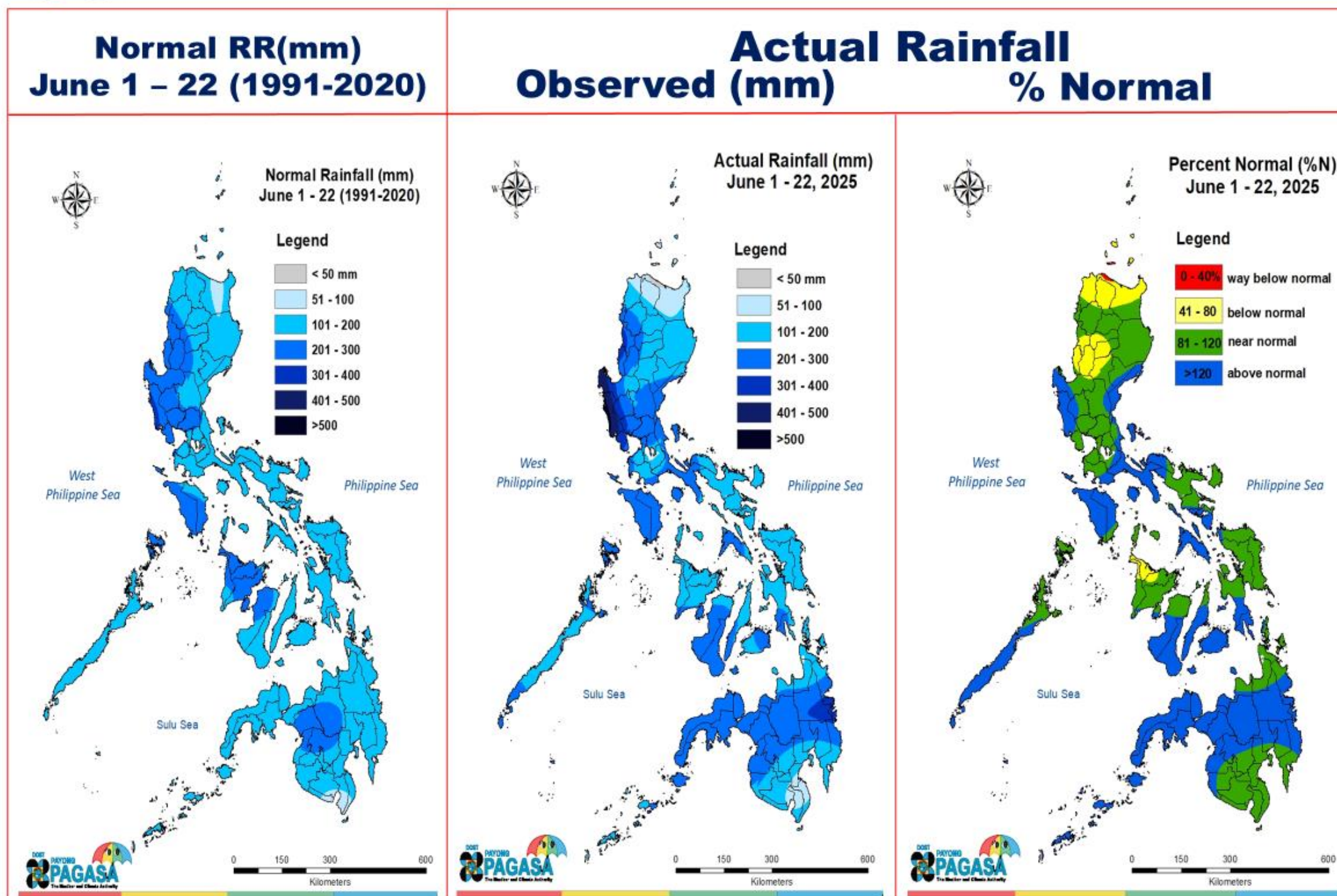
PERCENTAGE (%)	RAINFALL CONDITION
Greater than 120	above normal
81 - 120	near normal
41 - 80	below normal
Less than or = 40	way below normal



# Rainfall Assessment



## Actual Rainfall for June 1-22, 2025



## June 1-22, 2025

### Rainfall per province

Above normal: **39**

Near normal: **40**

Below normal: **6**

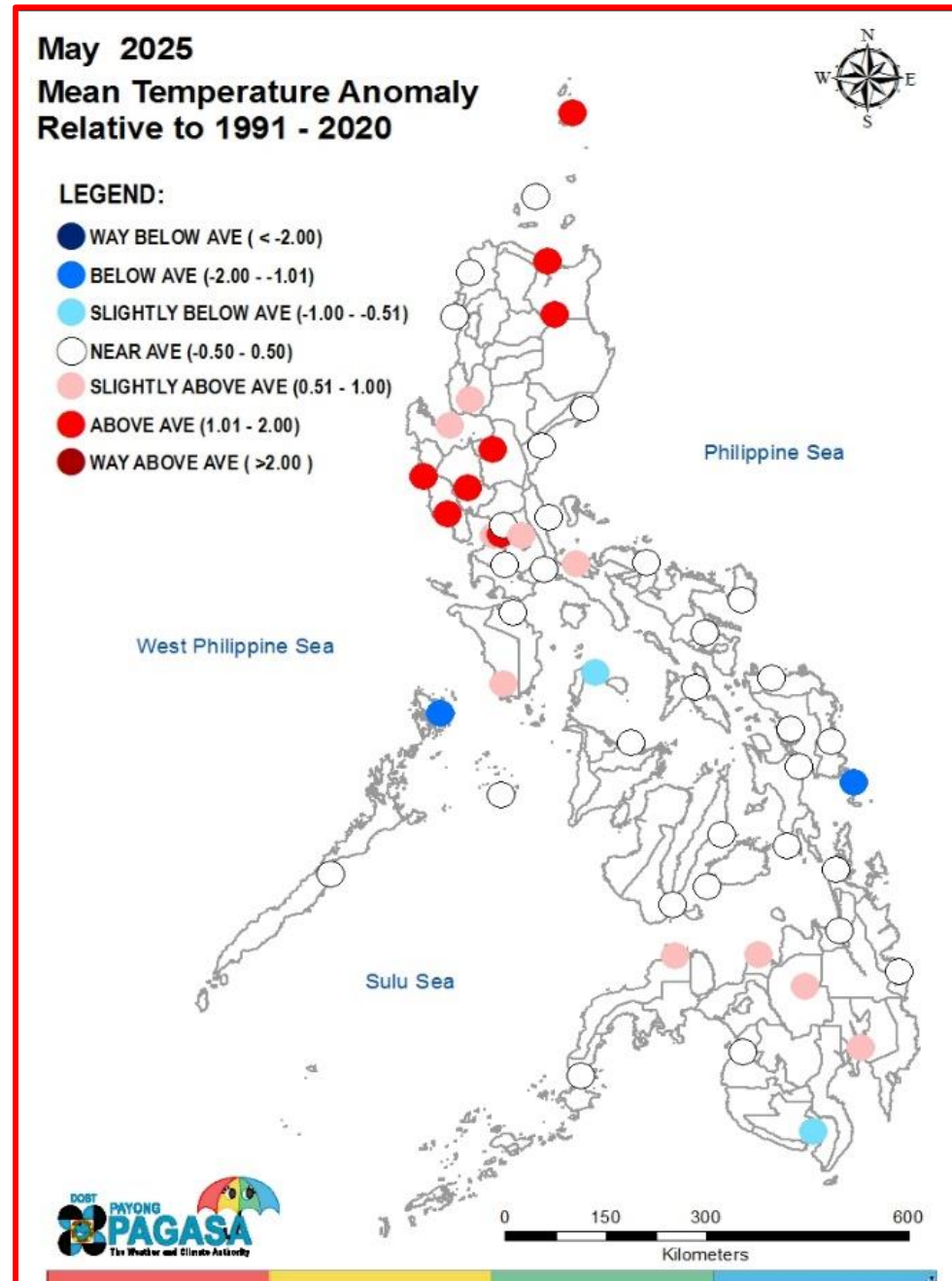
Way below normal: **0**

PERCENTAGE (%)	RAINFALL CONDITION
Greater than 120	above normal
81 – 120	near normal
41 – 80	below normal
Less than or = 40	way below normal



# Temperature Assessment

## May 2025



Near-average to above-average mean surface air temperatures were observed across the country except for some areas that experienced slightly below to below average mean surface air temperatures.

Highest



**39.2°C**

**ISU, Echague  
May 24**

**37.2 °C**

**NAIA, Pasay City  
May 09**

**15.0°C**

**BSU, La Trinidad  
May 09**

**23.2°C**

**NAIA, Pasay City  
May 13**



Lowest

### SURPASSED EXTREME RECORD FOR MAY 2025

#### TMAX

STATIONS SURPASSED	New Record Highest	Date	EXTREME (MAY)	DATE
NONE				

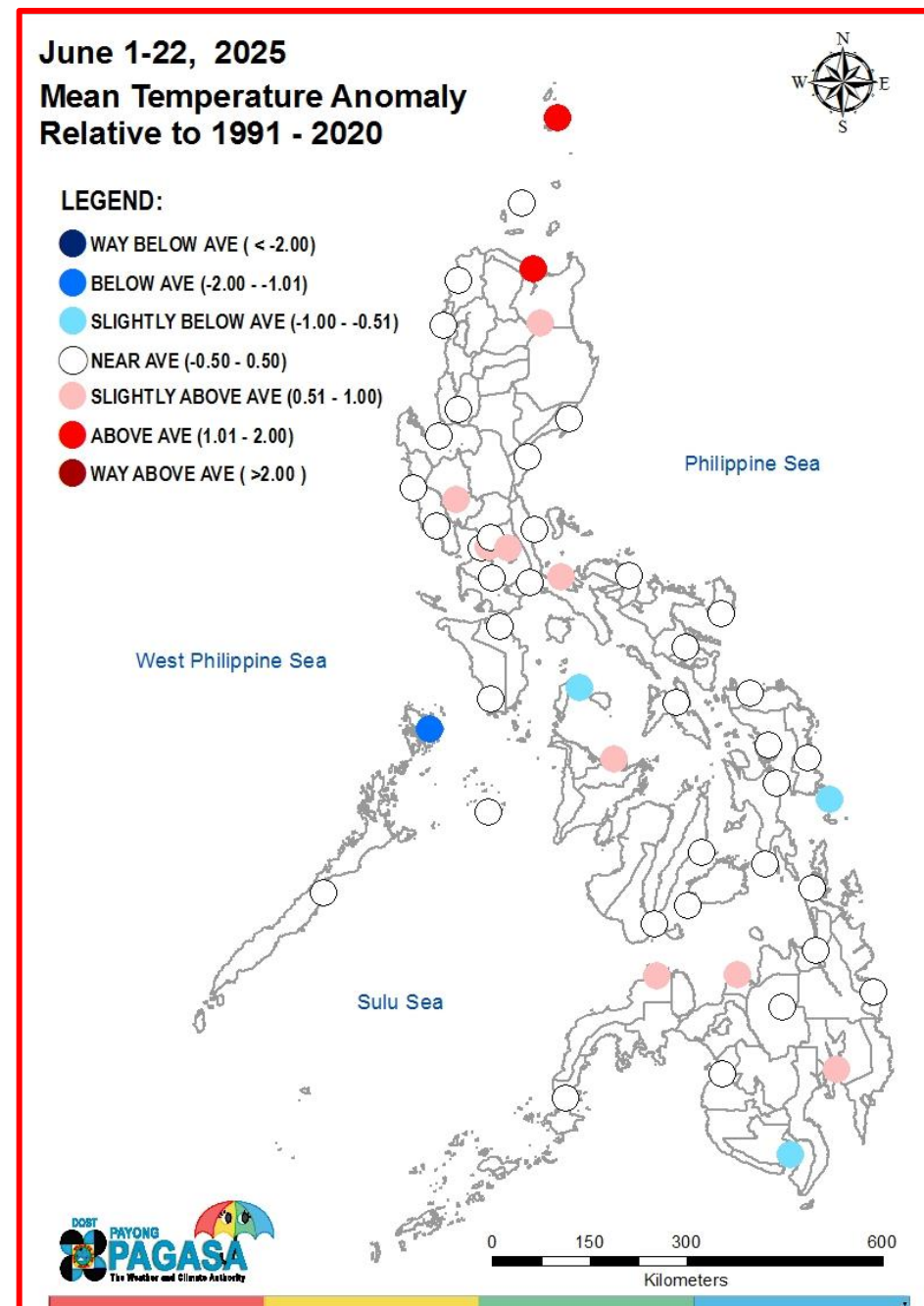
#### TMIN

NONE				



# Temperature Assessment

## June 01-22, 2025



Near-average to above-average mean surface air temperatures were observed across the country except for some areas that experienced slightly below to below average mean surface air temperatures.

Highest



**39.0°C**

**ISU, Echague  
June 03**

**36.2 °C**

**NAIA, Pasay City  
June 15**

**16.4°C**

**BSU, La Trinidad  
June 06**

**24.5°C**

**Science Garden, QC  
June 07**



Lowest



# Top 5 Highest Computed Heat Index for May 2025

**MAY**

1	Dagupan City, Pangasinan	48	5/20/2025
2	Aparri, Cagayan	47	5/19/2025
3	Sangley Point, Cavite City, Cavite	47	5/26/2025
4	San Jose, Occidental Mindoro	47	5/16/2025
5	Daet, Camarines Norte	47	5/12/2025

## TEMPORARY SUSPENSION OF HEAT INDEX ISSUANCE

With the official declaration of the onset of the rainy season, our daily issuance of heat index information will be **temporarily suspended starting today (03 June 2025)**.

During this period, it is important to focus on providing accurate and timely information related to hazards and potential impacts associated with the rainy season.

Daily monitoring of heat index and issuance of forecasts will **resume on 01 March 2026**, which coincides with the hot and dry months in many parts of the country. Meanwhile, heat index information from **PAGASA automatic weather stations and iHeatMap** remains accessible at the **DOST-PAGASA website**.

Nevertheless, for areas that are still experiencing hot weather, the public is advised to stay informed through official announcements from the relevant local authorities and take necessary precautions to ensure your safety and well-being.



**DOST  
PAGASA**  
The Weather and Climate Authority

Impact Assessment and Applications  
Section - CAD Pagasa

Dost\_pagasa


[bagong.pagasa.dost.gov.ph](http://bagong.pagasa.dost.gov.ph)

8284-0800

<https://www.pagasa.dost.gov.ph/weather/heat-index>



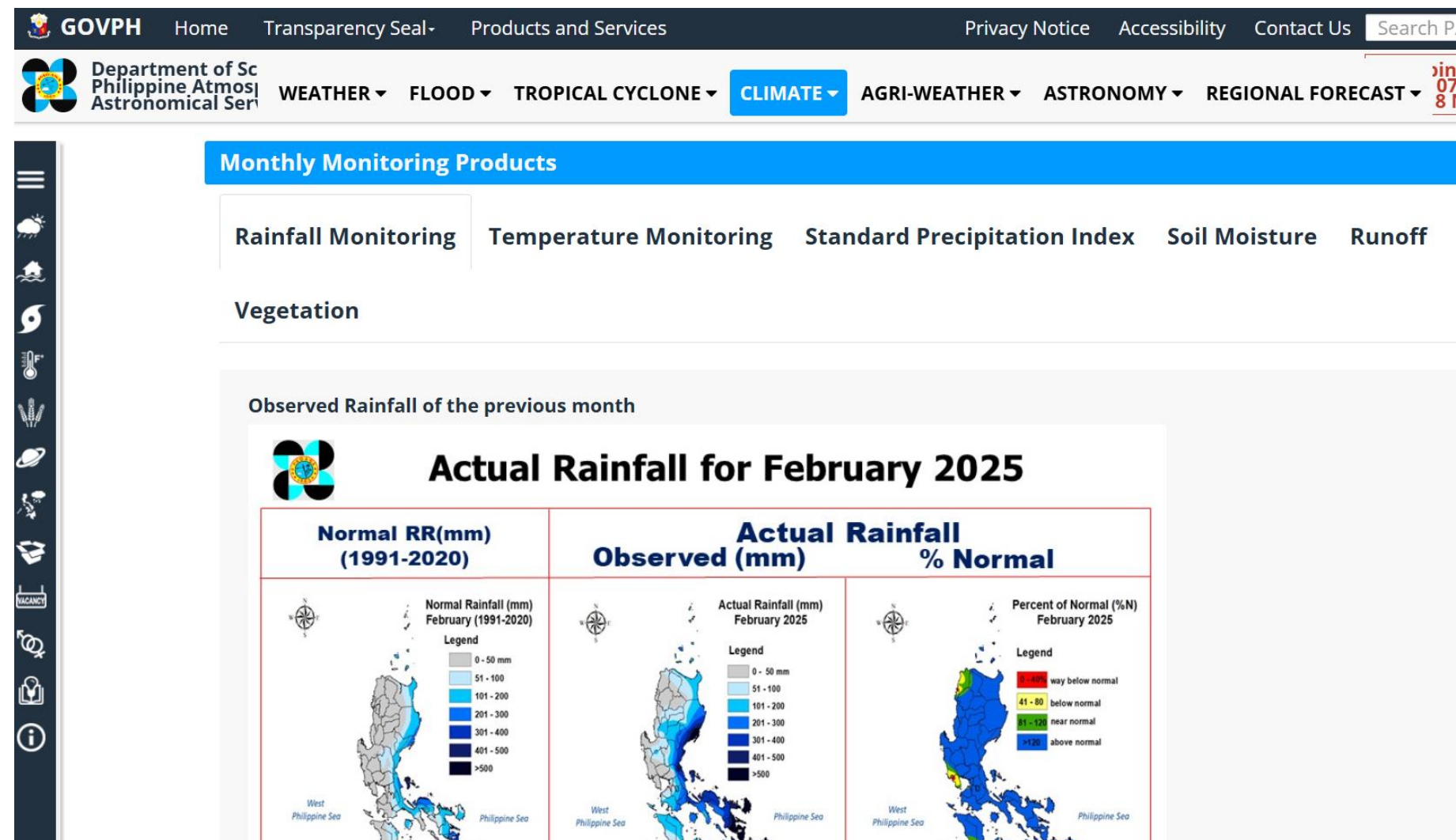
# SUMMARY

ENSO Alert System Status			INACTIVE
Rainfall		Temperature	
May 2025			
Generally, above normal rainfall conditions were experienced in most areas of Visayas and Mindanao while near-normal to above normal rainfall conditions were observed in most parts of Luzon except in some portions of Cagayan Valley, Cordillera Administrative Region, and Central Luzon that received below-normal rainfall.		Near-average to above-average mean surface air temperatures were observed across the country except for some areas that experienced slightly below to below average mean surface air temperatures.	
June 01 - 22, 2025			
Near to above normal rainfall conditions were experienced in most parts of the country, except in some parts of northern Luzon, Ilocos Region, and Western Visayas that received below-normal rainfall.		Generally, near-average to warmer than average mean surface air temperatures were observed across the country except for areas that experienced slightly cooler to cooler than average temperatures.	



# Monthly and Daily Climate Monitoring

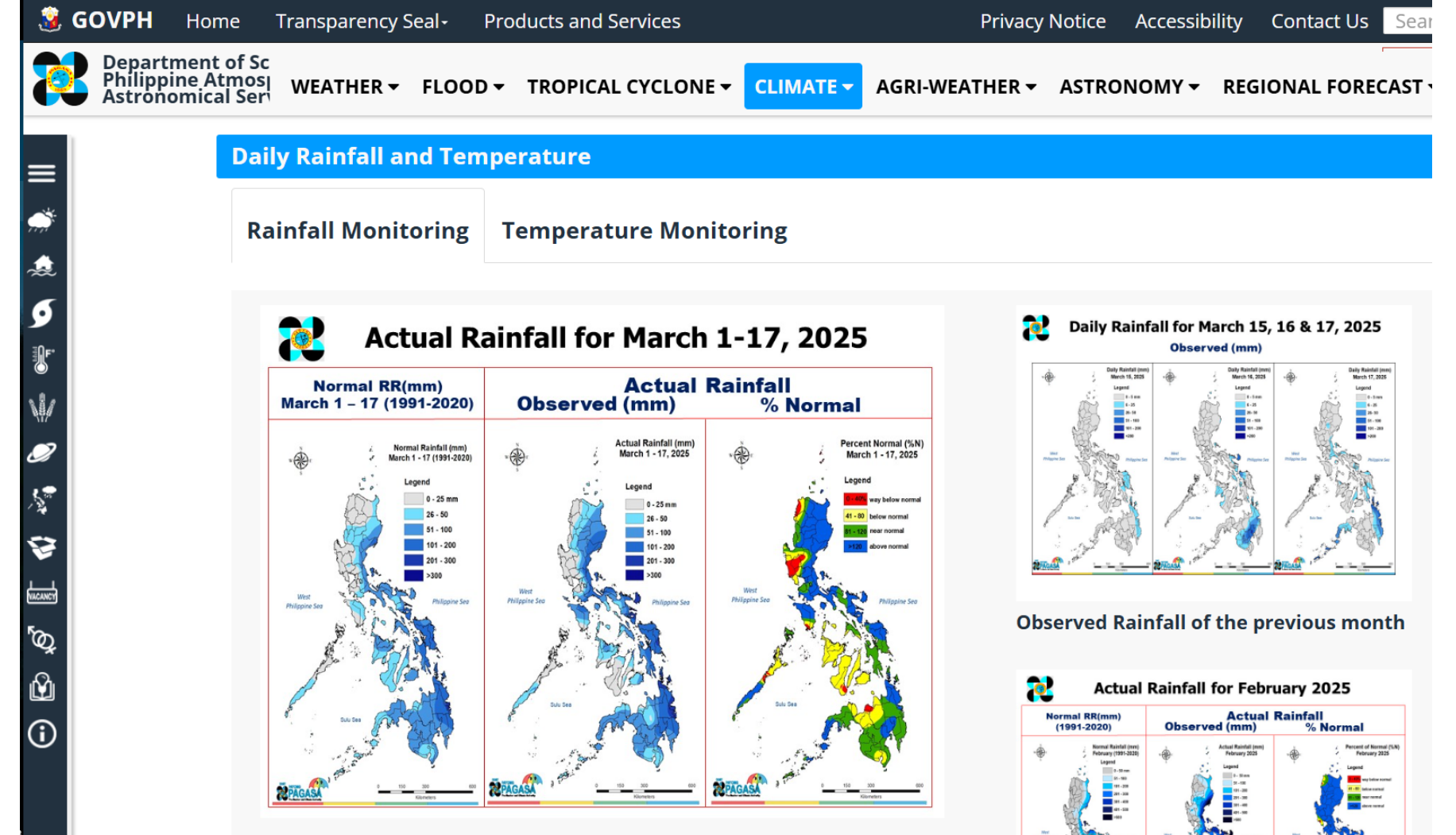
## monthly



<https://bagong.pagasa.dost.gov.ph/climate/climate-monthly-monitoring-products>



## daily



<https://bagong.pagasa.dost.gov.ph/climate/climate-monthly-monitoring-products>







#BantayKlima



[www.bagong.pagasa.dost.gov.ph](http://www.bagong.pagasa.dost.gov.ph)



[www.facebook.com/pagasa.dost.gov.ph](https://www.facebook.com/pagasa.dost.gov.ph)



@dost\_pagasa



TRUNKLINE: (02) 8284- 0800

EXTENSIONS

TYPHOON: 4801

FLOOD: 4855

CLIMATE: 4920 or 4921

MEDIA: 4865

# THANK YOU!

