

TROPICAL CYCLONE PRELIMINARY REPORT Severe Tropical Storm BUTCHOY (PRAPIROON)

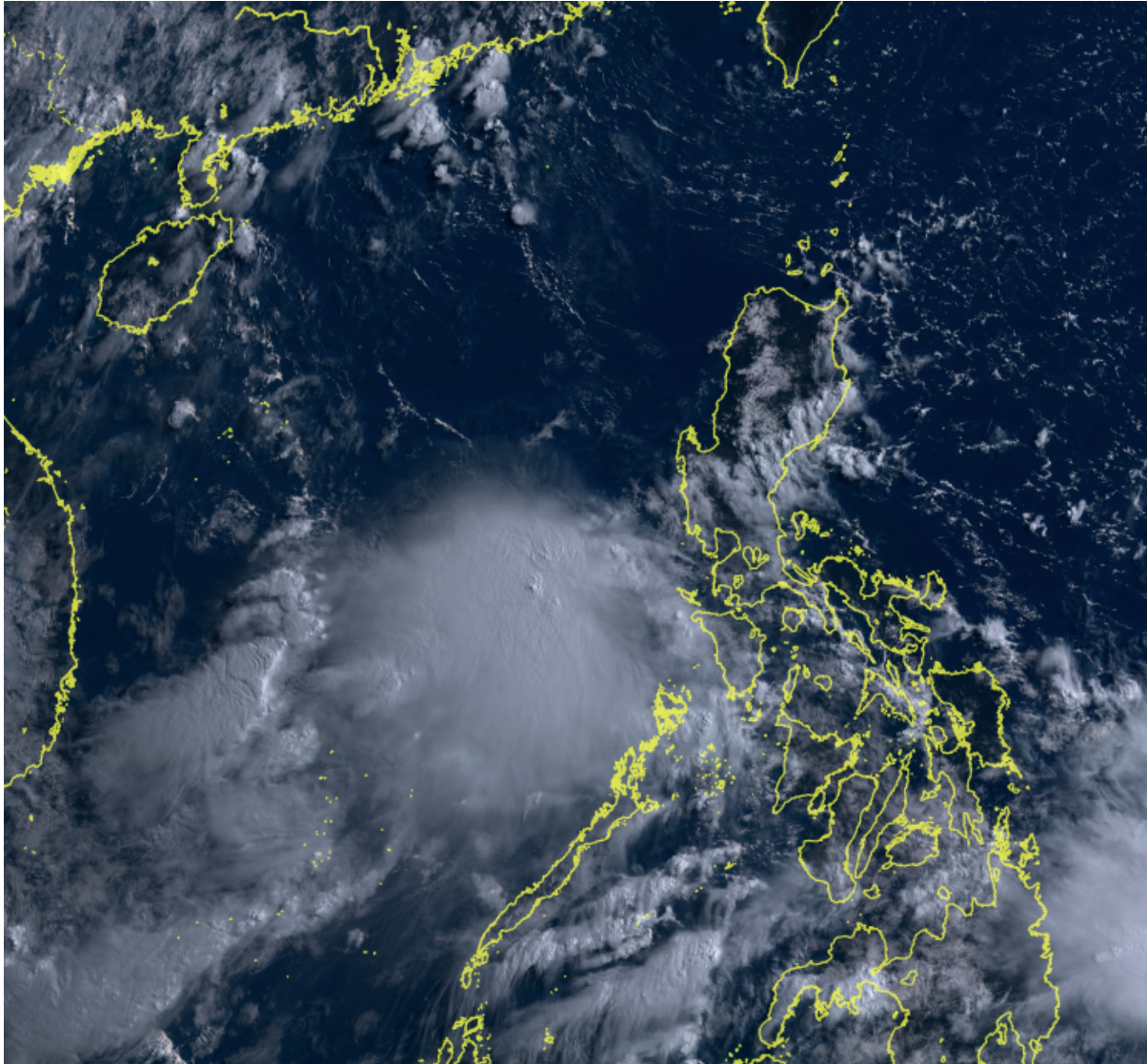


Fig. 1. Himawari-9 AHI visible image of then-Tropical Depression BUTCHOY over the West Philippine Sea at 00 UTC on 19 July 2024. Image courtesy of National Institute of Information and Communications Technology (NICT), Japan.

P. C. Del Mundo and R. P. Gile

Marine Meteorological Services Section, Weather Division, DOST-PAGASA

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NOTE:

All information provided in this report is considered preliminary only and will be superseded by the information that will become available once the Annual Report on Philippine Tropical Cyclones (ARTC) is released.

DISCLAIMER:

While we ensure the factual correctness and accuracy of the entries in this preliminary tropical cyclone report, readers are advised to report any information in this report which may require correction to typhoon.ops@pagasa.dost.gov.ph with the subject "Prelim Report [Name of TC], [Year]: For Correction".

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Summary of Meteorological History

Based on PAGASA preliminary best track¹ position and intensities

First tracked as a low pressure area	0000 UTC, 15 July 2024 Over the Philippine Sea E of Davao Region
Developed into a tropical cyclone	1800 UTC, 18 July 2024 Over Mindoro Strait 130 km W of Calapan City, Oriental Mindoro (13.3°N, 120.0°E)
Weakened into a remnant low or transitioned into a post-tropical low	1800 UTC, 23 July 2024 In the vicinity of Bắc Giang Province, Vietnam 1,585 km W of Extreme Northern Luzon (21.5°N, 106.6°E)
Peak intensity (lifetime ²)	60 kt (110 km/h), 980 hPa, Severe Tropical Storm 1200 UTC, 22 June 2024
Period of occurrence (lifetime)	5 days
Entered the PAR region (as tropical cyclone)	Not applicable (developed within the PAR region)
Exited the PAR region (as tropical cyclone)	2300 UTC, 19 July 2024
Peak intensity (within the PAR)	30 kt (55 km/h), 1000 hPa, Tropical Depression 1800 UTC, 19 July 2024
Period of occurrence (within the PAR)	1 day and 5 hours
Observed landfalls in the Philippines	None

¹ With preliminary best track as reference, the information provided in this report may be different from those reported during the warning period of the subject tropical cyclone.

² Lifetime is the period from the development into a tropical depression to its weakening into a remnant low or its transitioning into a post-tropical low.

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Extremes of Surface Weather Observations during Tropical Cyclone Days³

Based on reports from PAGASA manned surface weather stations

Table 1. Highest storm duration (18 to 19 July 2024) rainfall over land.

Location of weather station	Rainfall (mm)
Baler, Aurora	137.5
πCasiguran, Aurora	101.0
Daet, Camarines Norte	90.2
San Jose, Occidental Mindoro	86.4
Coron, Palawan	82.3

Table 2. Highest 24-hour rainfall over land.

Location of weather station	Rainfall (mm)	Date
Baler, Aurora	81.0	July 19, 2024
Casiguran, Aurora	79.0	July 19, 2024
Masbate City, Masbate	67.0	July 18, 2024
Daet, Camarines Norte	65.2	July 18, 2024
Coron, Palawan	65.0	July 18, 2024

Summary of Tropical Cyclone Product Issuances

Issued by the Weather Division, DOST-PAGASA

Tropical Cyclone Products:

- Tropical Cyclone Advisories: None issued
- Tropical Cyclone Bulletins:
 - First issuance: 11:00 PM, 19 July 2024
 - Last issuance: 11:00 AM, 19 July 2024
 - Total issued: 3
- Tropical Cyclone Warnings for Shipping:
 - First issuance: 11:00 PM, 19 July 2024
 - Last issuance: 11:00 AM, 19 July 2024
 - Total issued: 3
- WC SIGMET: None issued

Tropical Cyclone Wind Signals:

None hoisted

Other Pertinent Information

- The international name “EWINIAR” (meaning: god/deity of rain) was contributed by Thailand.
- Despite developing over the West Philippine Sea, its progenitor low pressure area crossed the Philippine archipelago and brought heavy rainfall across several provinces in Central Luzon, Southern Luzon, Visayas, and Eastern Mindanao, resulting in several flooding and rain-induced landslide incidents.

³ Also called “storm duration”, it refers to the meteorological days of occurrence of the tropical cyclone within the PAR region.

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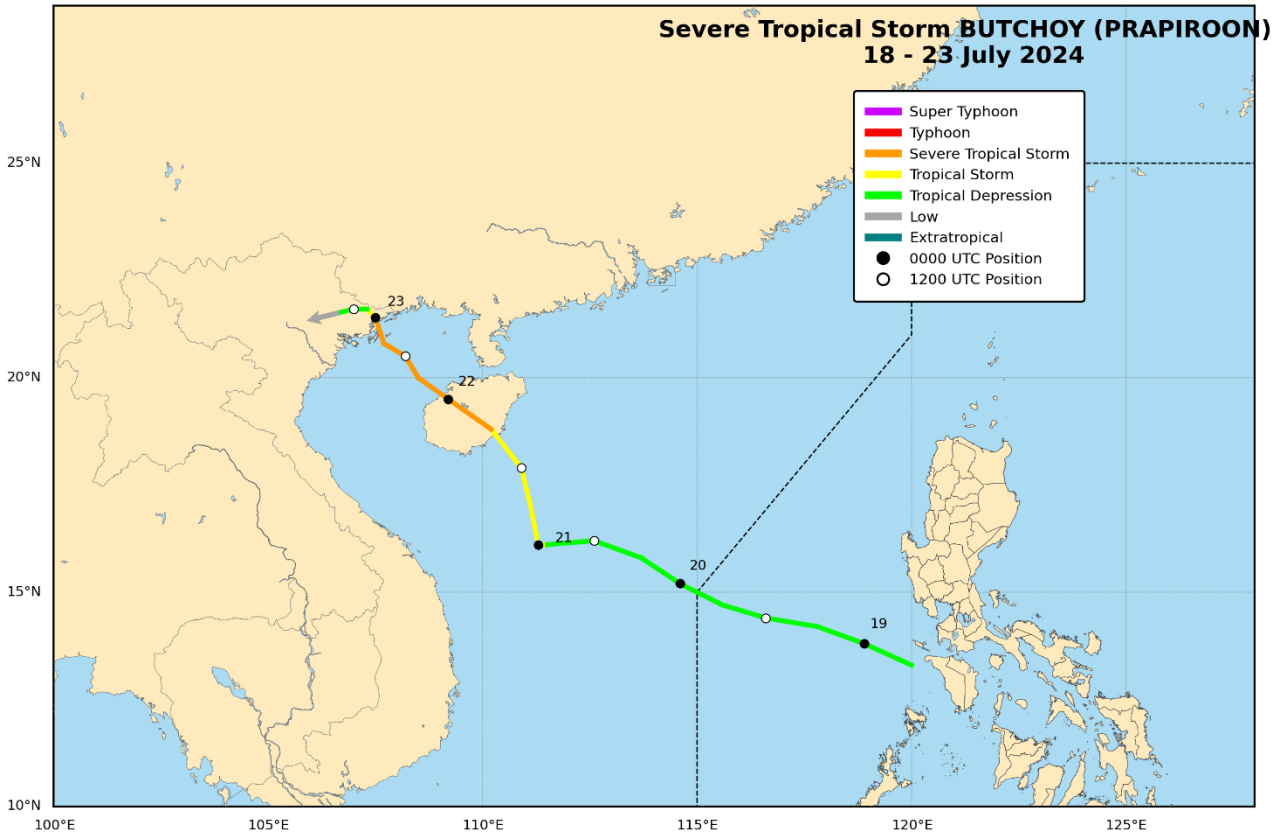


Fig. 2. Preliminary best track positions and intensities (as categories) of Severe Tropical Storm BUTCHOY. Line color indicates the category of tropical cyclone. Shaded circles with date labels indicated 00 UTC positions while open circles indicate 12 UTC positions.

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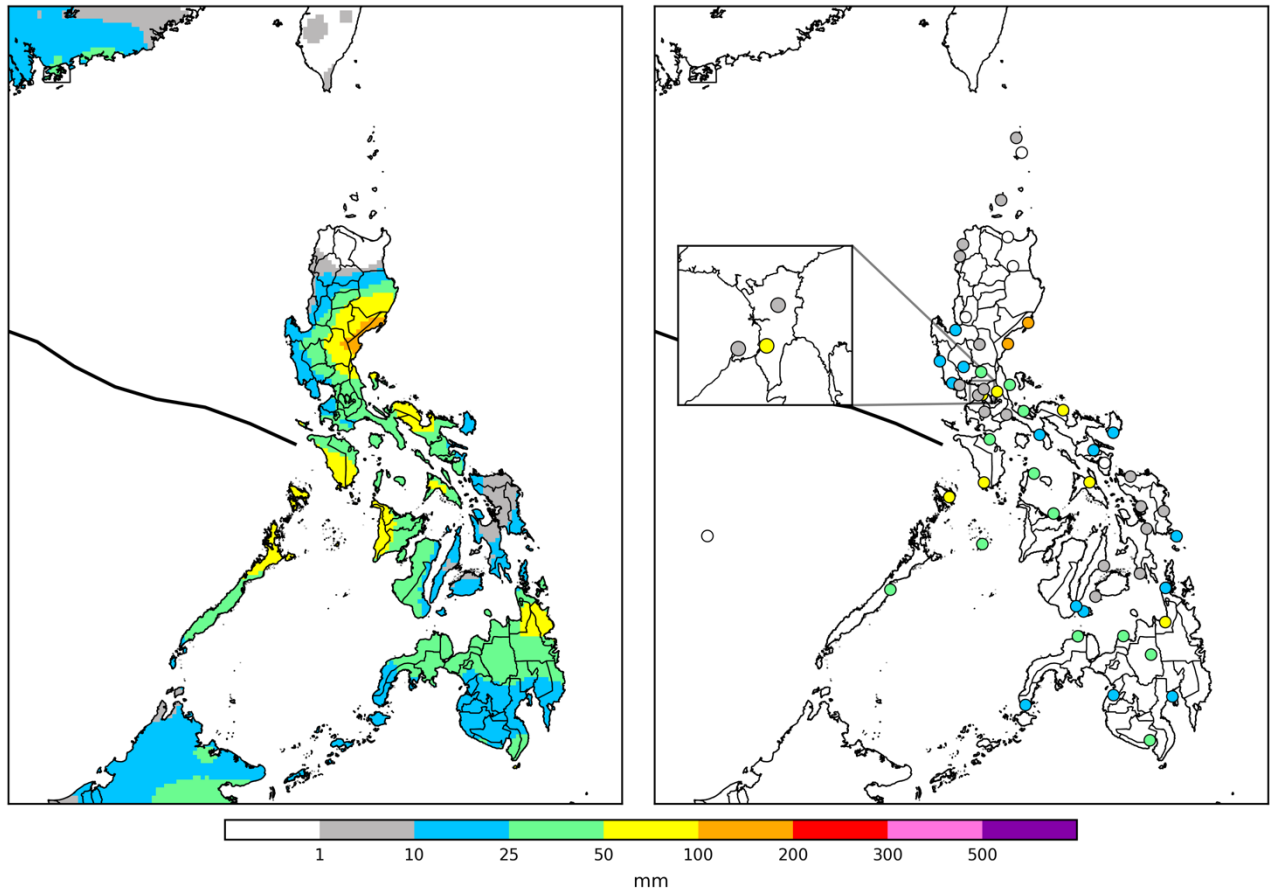


Fig. 3. Nationwide satellite-derived estimates and corresponding gauge observations from PAGASA manned surface weather stations of accumulated rainfall for the period of 18 to 19 July 2024. The preliminary best track of BUTCHOY is shown as thick black line.

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