

Tropical Cyclone (TC)-Threat Potential

Initialization: 08 December 2024 (8 PM)

Date Issued: 09 December 2024

Validity: Valid within the forecast period, unless superseded by succeeding forecast.

Forecast Summary:

Week-1 (December 09 - 15, 2024)

- No TC-like vortex (TCLV) is present within the PMD.
- Forecast show a low likelihood of TCLV formation during the forecast period.
- Therefore, the **TC-THREAT POTENTIAL IS UNLIKELY** over week-1.

Week-2 (December 16 – 22, 2024)

- Model forecasts suggest that formation of a TC-like vortex (TCLV) is likely during the forecast period.
- TCLV **1** will likely emerge over the southern part of the TCAD with a low to moderate likelihood of TC-development and is forecasted to enter the PAR and move towards the Visayas – Southern Luzon area.
- Therefore, the **TC-THREAT POTENTIAL IS LIKELY** during week-2.

However, any changes in the forecast pattern will be closely monitored and updates will be issued as needed.

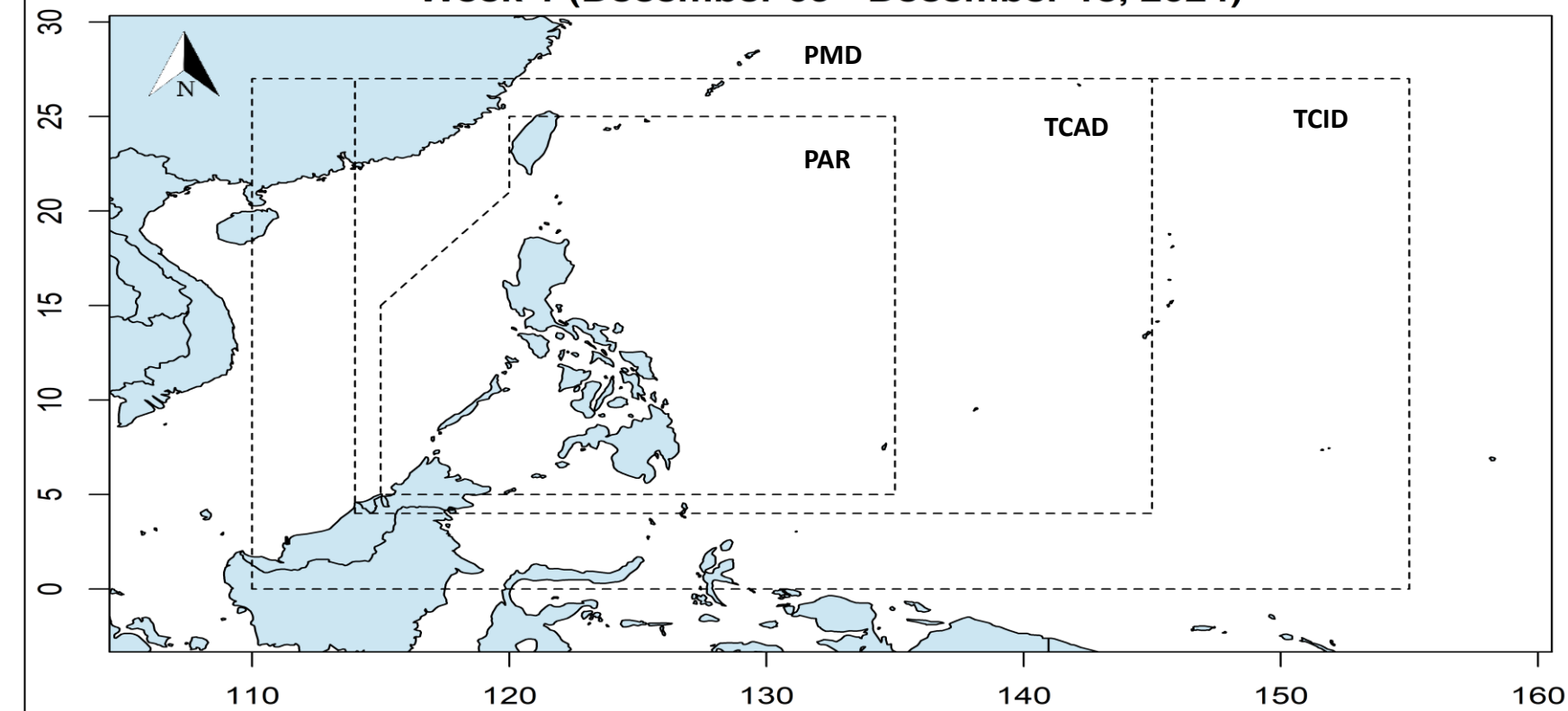
PMD: PAGASA Monitoring Domain
PAR: Philippine Area of Responsibility

TCAD: Tropical Cyclone Advisory Domain
TCID: Tropical Cyclone Information Domain

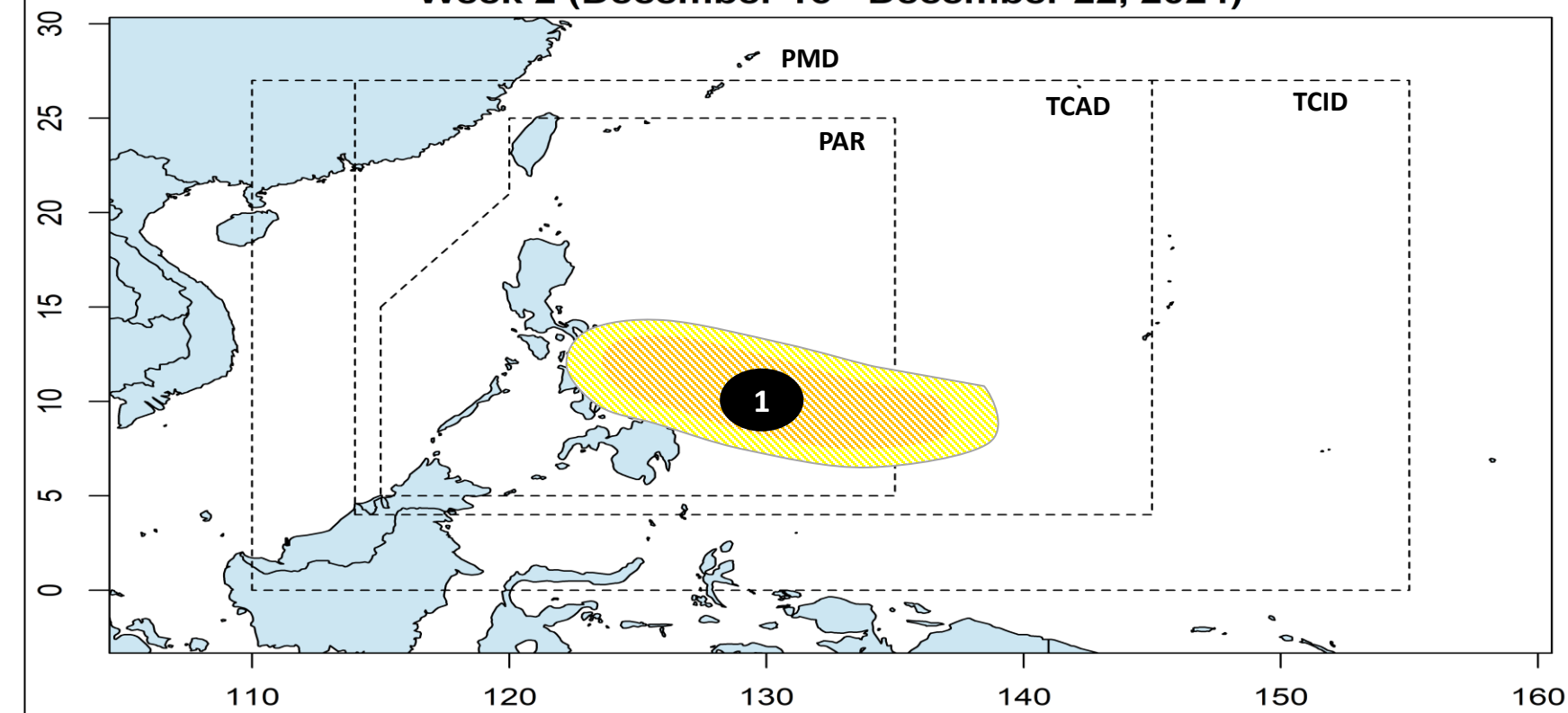
Note: The information contained here is based on the 6-hourly forecasts of the NCEP-GEFS issued in the past 24 hours where the Central Weather Administration (CWA) TC Tracking algorithm was applied. This product was part of the collaboration between PAGASA and CWA through the MECO/TECO VOTE Project. This is for guidance purposes only.

For Weather Updates, kindly refer to: www.bagong.pagasa.dost.gov.ph/weather

Week 1 (December 09 - December 15, 2024)



Week 2 (December 16 - December 22, 2024)



Likelihood of TC Formation

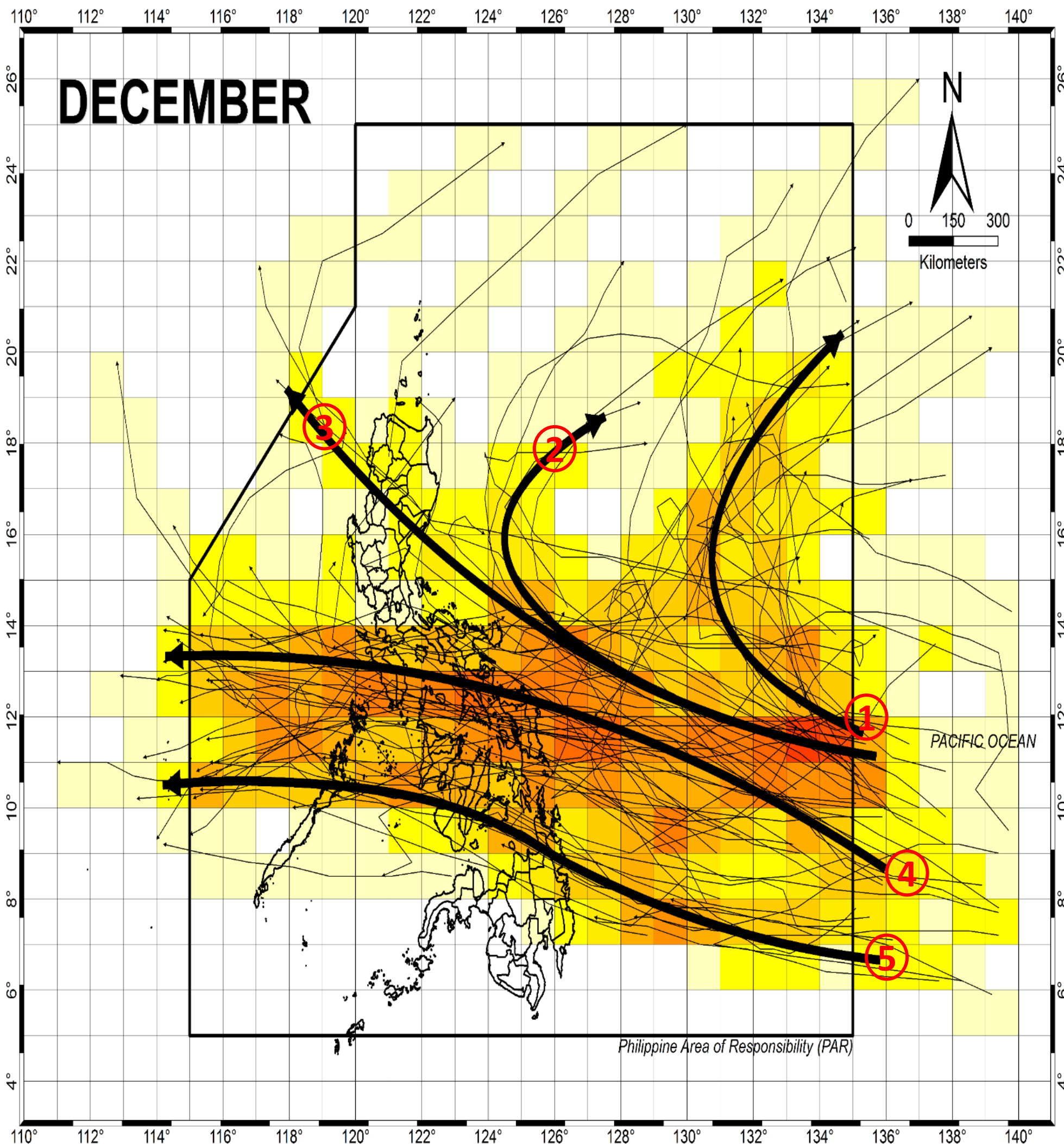


Low: Less chance of formation
Moderate: Has a chance of formation
High: Higher chance of formation
Active TC: Existing TC inside the PMD



Philippine Atmospheric, Geophysical, and Astronomical Services Administration (PAGASA)

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Tropical Cyclone Climatological Tracks for December in the Philippine Area of Responsibility (PAR)

Climatological tracks for the month of December suggest 5 most common tracks:

1. TCs formed in the western Pacific that entered the Philippine Area of Responsibility(PAR) but recurve afterwards towards the eastern part of PAR (non-landfalling) then move towards Japan.
2. TCs formed in the western Pacific that entered the Philippine Area of Responsibility(PAR) but recurve before making landfall towards the north-eastern part of PAR (non-landfalling) then move towards Japan.
3. Landfalling TCs traversing Northern or Central Luzon; moving towards Hongkong after exiting the landmass.
4. Landfalling TCs traversing southern Luzon – northern Visayas area, ; moving towards Vietnam.
5. Landfalling TCs traversing Southern Visayas – Northern Mindanao area; moving towards Thailand.