

Sub-seasonal to seasonal (S2S) Forecast

(December 27, 2023 - January 09, 2024)

1. Tropical Cyclone (TC)-Threat Potential
2. Rainfall Exceedance Probability Forecast

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Checked by: JMA

Tropical Cyclone (TC)-Threat Potential

Initialization: 26 December (8AM)

Date Issued: 27 December 2023

Validity: Valid within the forecast period, unless superseded by succeeding forecast.

Forecast Summary:

Week-1 (December 27, 2023 – January 02, 2024)

- No TC-like vortex (TCLV) is present near or inside the PMD.
- Forecasts indicate that TCLV formation within the PMD is unlikely over week-1.

Week-2 (January 03 - 09, 2024)

- Model predicts that a TCLV is unlikely to emerge within the PMD in week-2.

○ Therefore, the **TC-THREAT POTENTIAL IS UNLIKELY** over the forecast period.

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

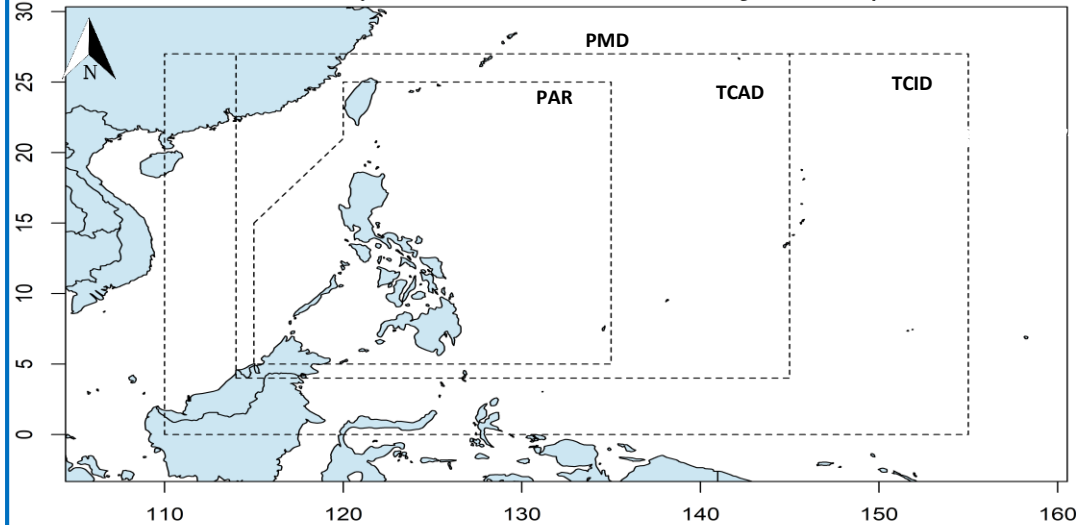
Note: The information contained here is based on the 6-hourly forecasts of the NCEP-GEFS issued in the past 24 hours. This is for guidance purposes only.

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

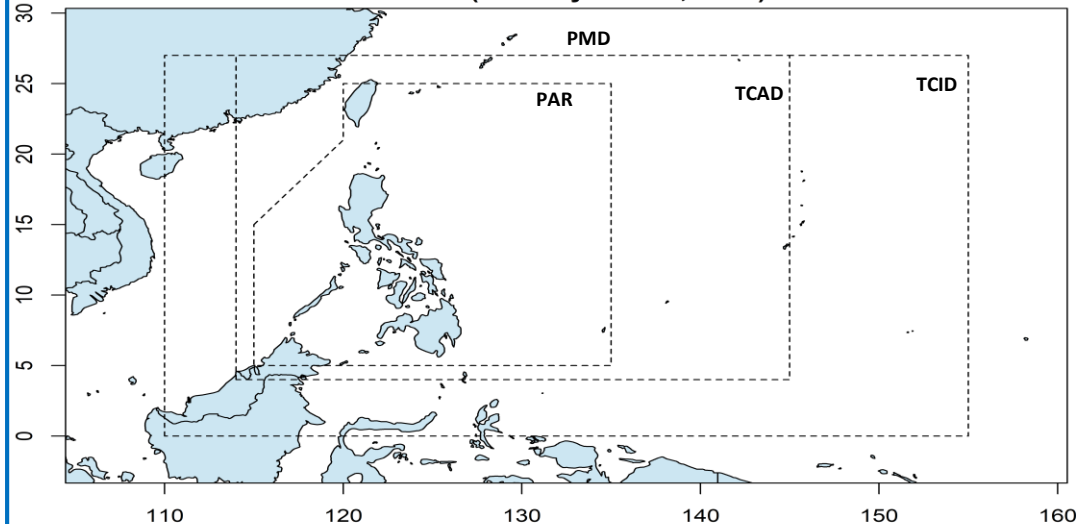
PMD: PAGASA Monitoring Domain
PAR: Philippine Area of Responsibility

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

Week 1 (December 27, 2023 – January 02, 2024)



Week 2 (January 03 - 09, 2024)



Likelihood of TC Formation



Active TC



High



Moderate



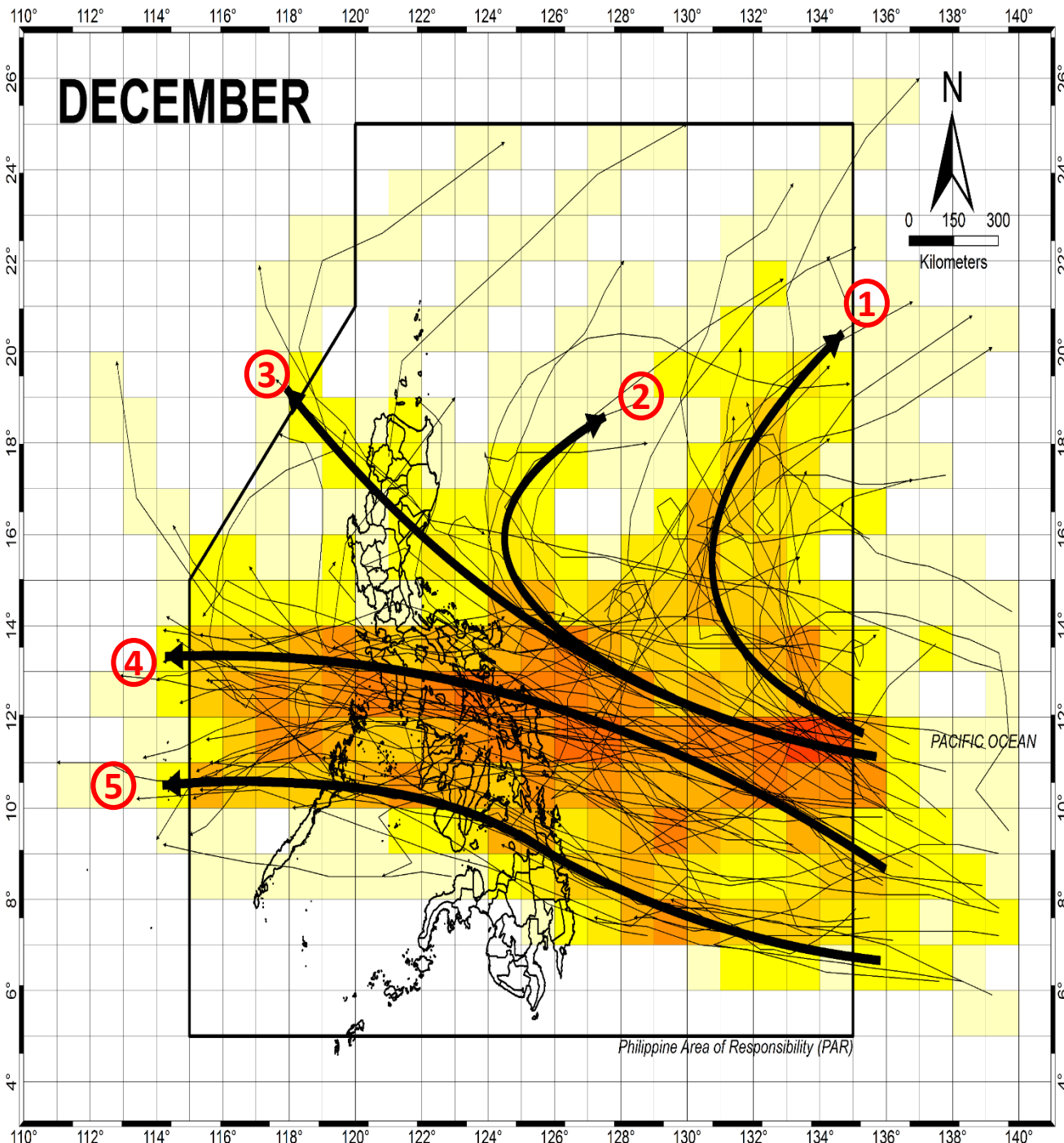
Low

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)

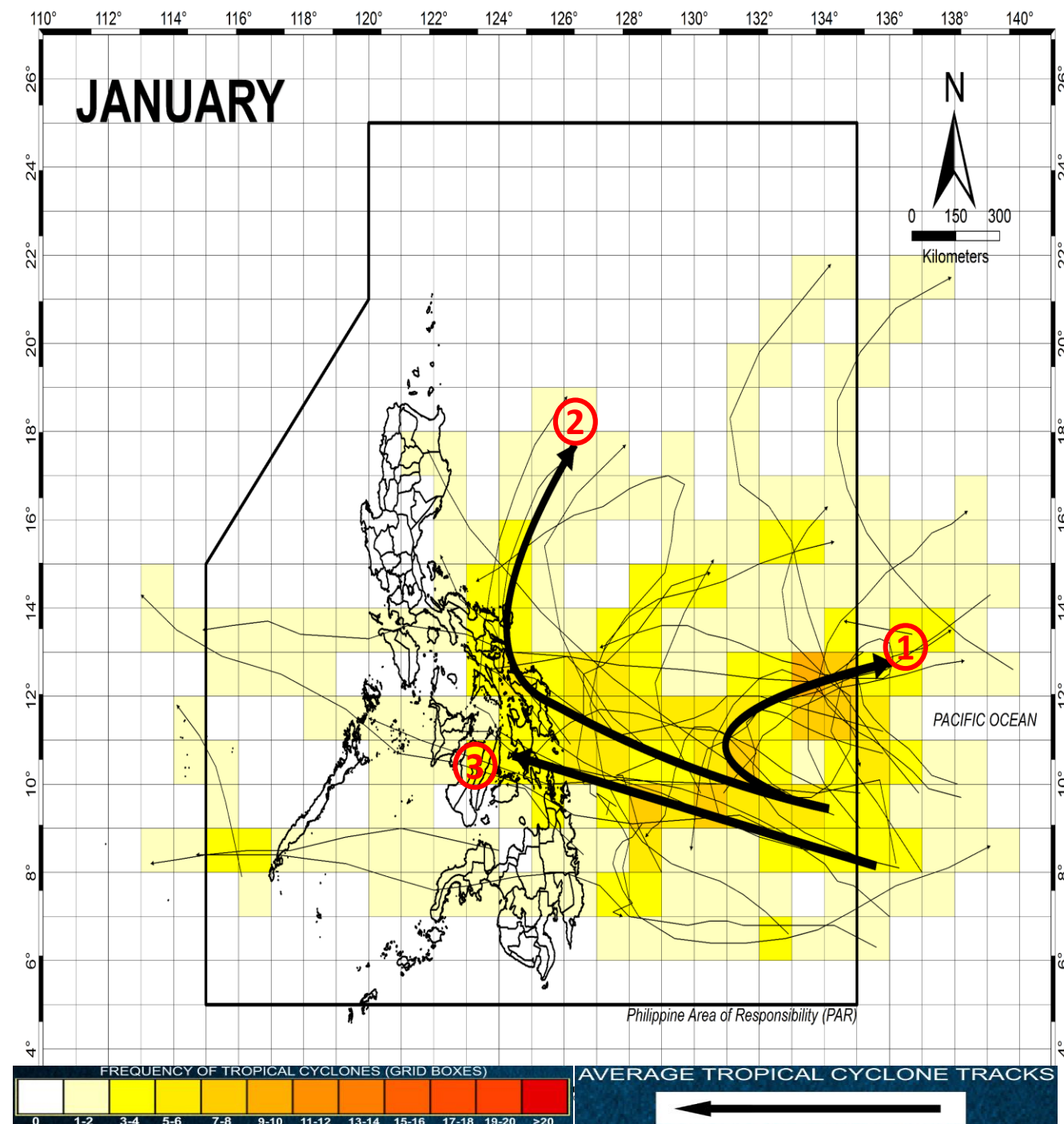
Prepared by: CAD-CLIMPS-Contact us @Tel no: (02)8284-0800 loc. 4920/4921 or Email: pagasa.climps@gmail.com



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.



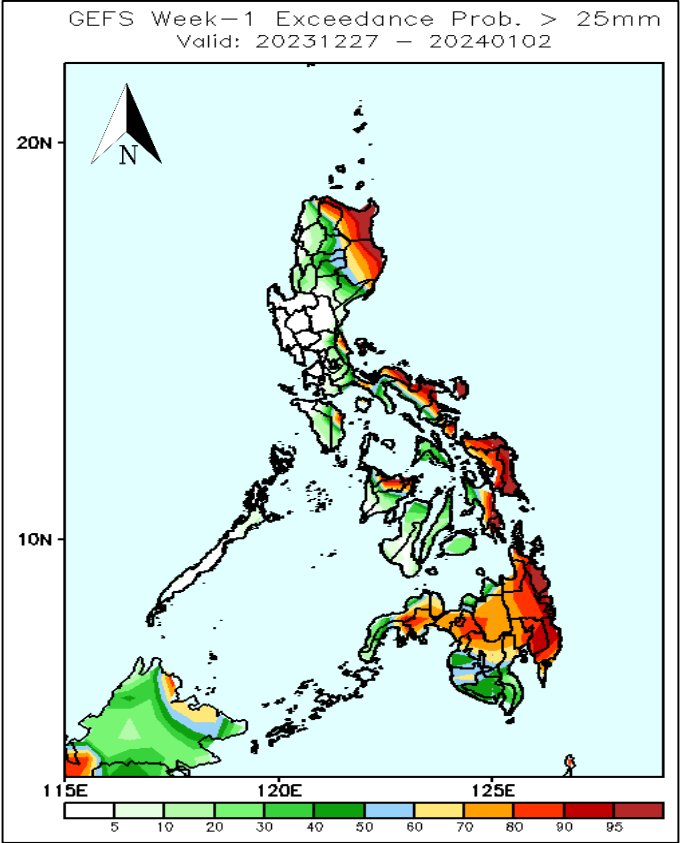
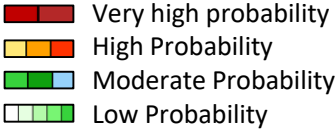
Tropical Cyclone Climatological Tracks for January in the Philippine Area of Responsibility (PAR)

Climatological tracks for the month of January suggest 3 most common tracks (Fewer/Lesser chance of TC formation during this month):

1. TCs formed within the Philippine Area of Responsibility (PAR) but recurve afterwards towards the eastern part of PAR (non-landfalling).
2. TCs formed within PAR and may make landfall in eastern part of Visayas then recurves towards the northern part of PAR before dissipating.
3. TCs formed in the Western Pacific which may enter PAR and make landfall in Central Philippines before dissipating.

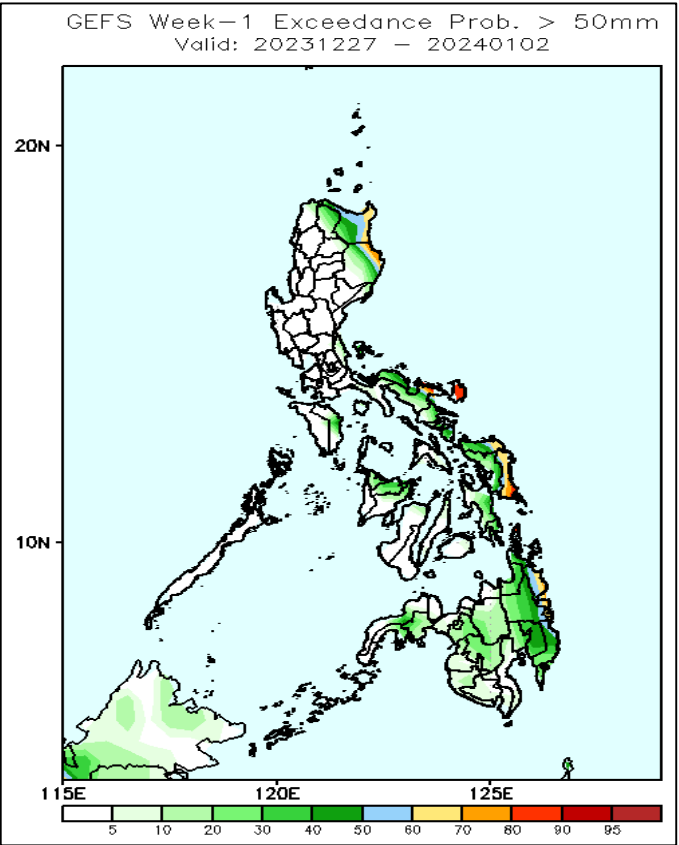
WEEK - 2: RAINFALL EXCEEDANCE PROBABILITY FORECAST

December 27, 2023 – January 02, 2024



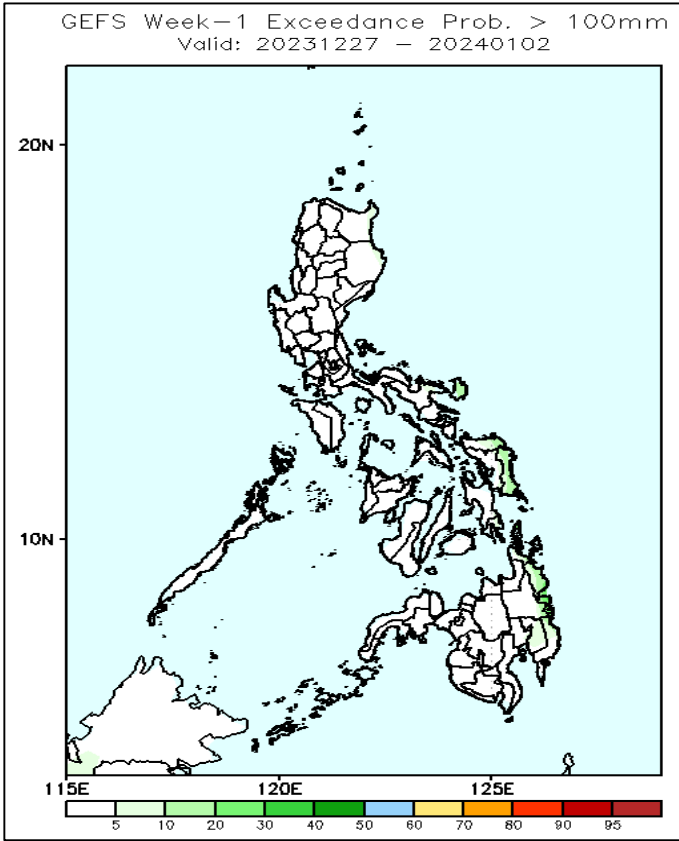
Probability to Exceed 25mm

- High to very high over Cagayan, Isabela, and the eastern sections of Bicol Region, Visayas, and Mindanao;
- Moderate to high over the rest of Bicol Region, the eastern section of Quezon, Marinduque, Romblon, Aklan, Capiz, Oriental Mindoro, and the rest of Mindanao;
- Low to moderate over the rest of the country.



Probability to Exceed 50mm

- Moderate to high over the eastern sections of Cagayan, Isabela, Bicol Region, Samar Provinces, and Caraga;
- Low over the rest of the country.

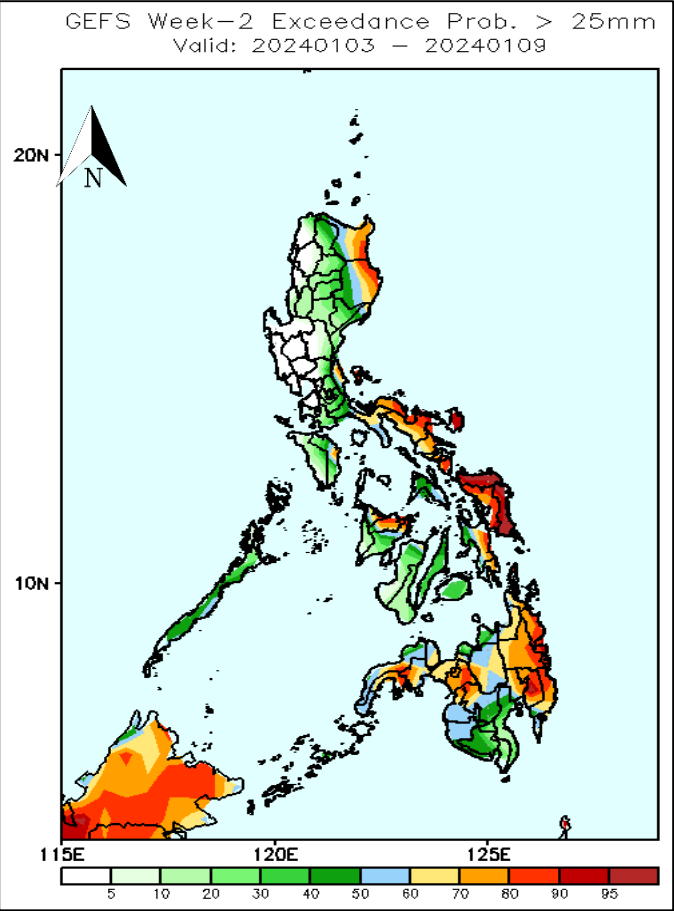
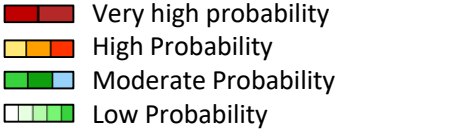


Probability to Exceed 100mm

- Low across the country.

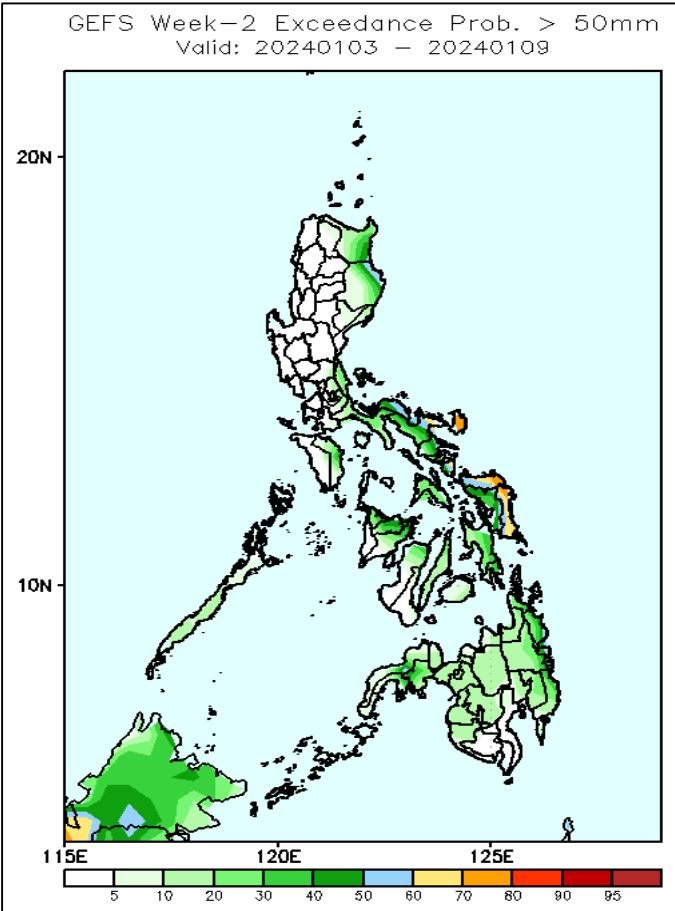
WEEK - 2: RAINFALL EXCEEDANCE PROBABILITY FORECAST

January 03 - 09, 2024



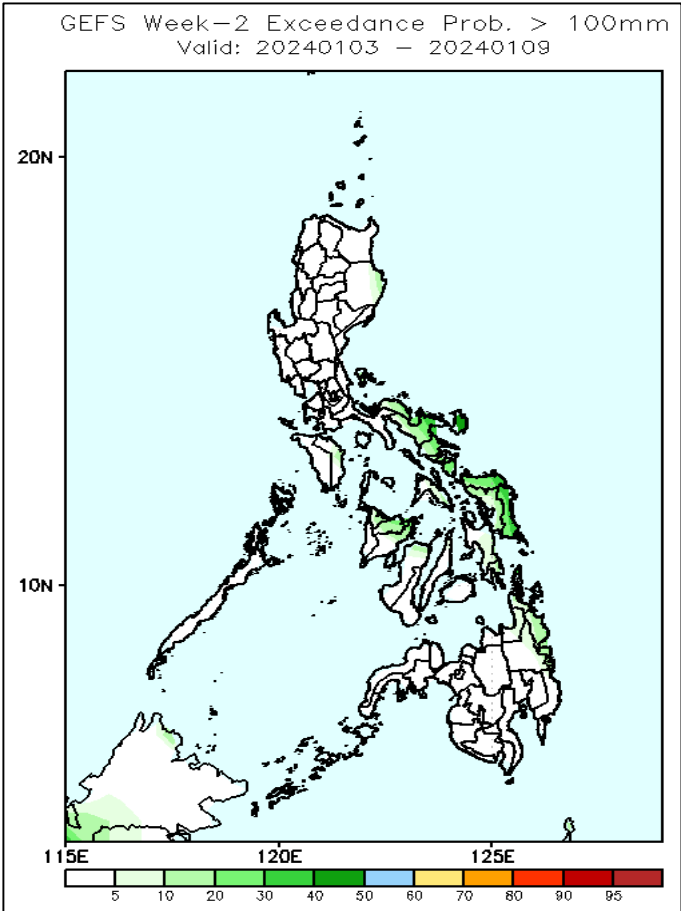
Probability to Exceed 25mm

- High to very high over the eastern sections of Cagayan and Isabela, Bicol Region, Samar Provinces;
- Moderate to high over, Quezon, Marinduque, Romblon, Aklan, Capiz, Oriental Mindoro, Leyte provinces, and the rest of Mindanao;
- Low over the rest of the country.



Probability to Exceed 50mm

- Moderate to high over the eastern sections of the Bicol region and Samar Provinces;
- Low to moderate over eastern sections of Cagayan and Isabela, Capiz, Caraga, and Zamboanga Provinces;
- Low elsewhere.



Probability to Exceed 100mm

- Low across the country.