

Sub-seasonal to seasonal (S2S) Forecast

(December 06 - 19, 2023)

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

Prepared by: JHF/JMA

Checked by: JGR/RGA

Tropical Cyclone (TC)-Threat Potential

Initialization: 05 December (8AM)

Date Issued: 06 December 2023

Validity: Valid within the forecast period, unless superseded by succeeding forecast.

Forecast Summary:

Week-1 (December 06 - 12, 2023)

- No TC-like vortex (TCLV) is present near or within the PMD.
- However, the forecast suggests that a TCLV will likely emerge over the eastern portion of the PMD and will enter the PAR with a low to moderate likelihood of TC development.

Week-2 (December 13 – 19, 2023)

- The model shows that the TCLV will likely traverse the Mindanao-Visayas-Palawan area with a low to moderate likelihood of TC-genesis.
- Therefore, the **TC-THREAT POTENTIAL IS LIKELY** within the forecast period.

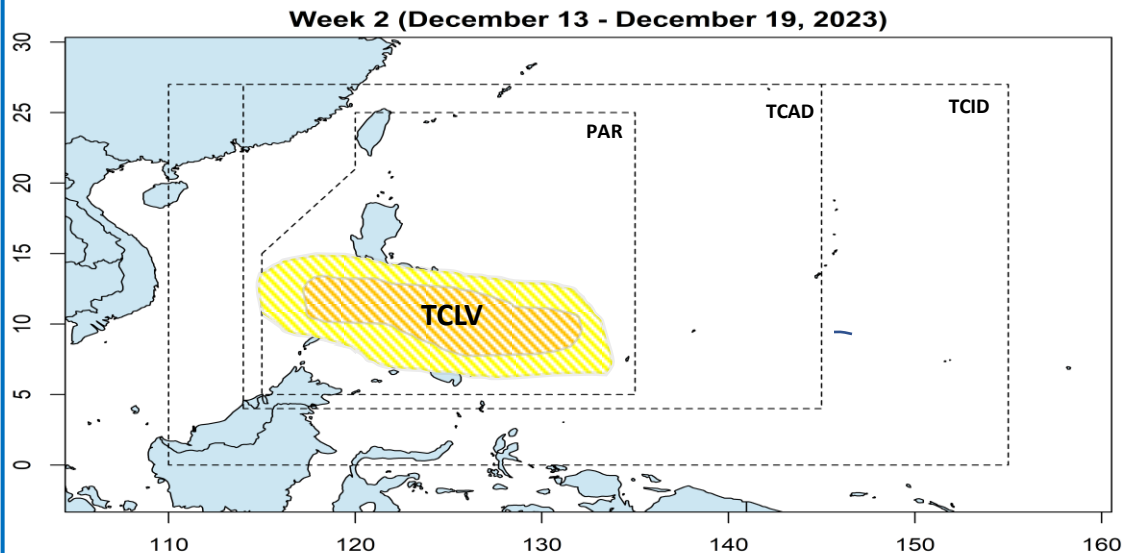
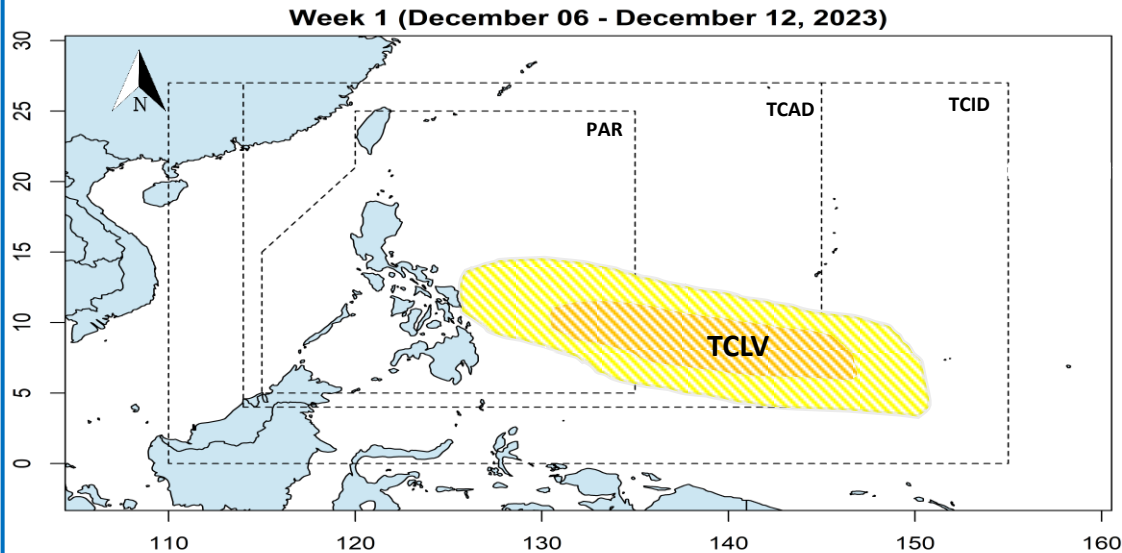
However, any changes in the forecast pattern will be closely monitored, and updates will be issued as needed.

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



Likelihood of TC Formation



Active TC



High



Moderate



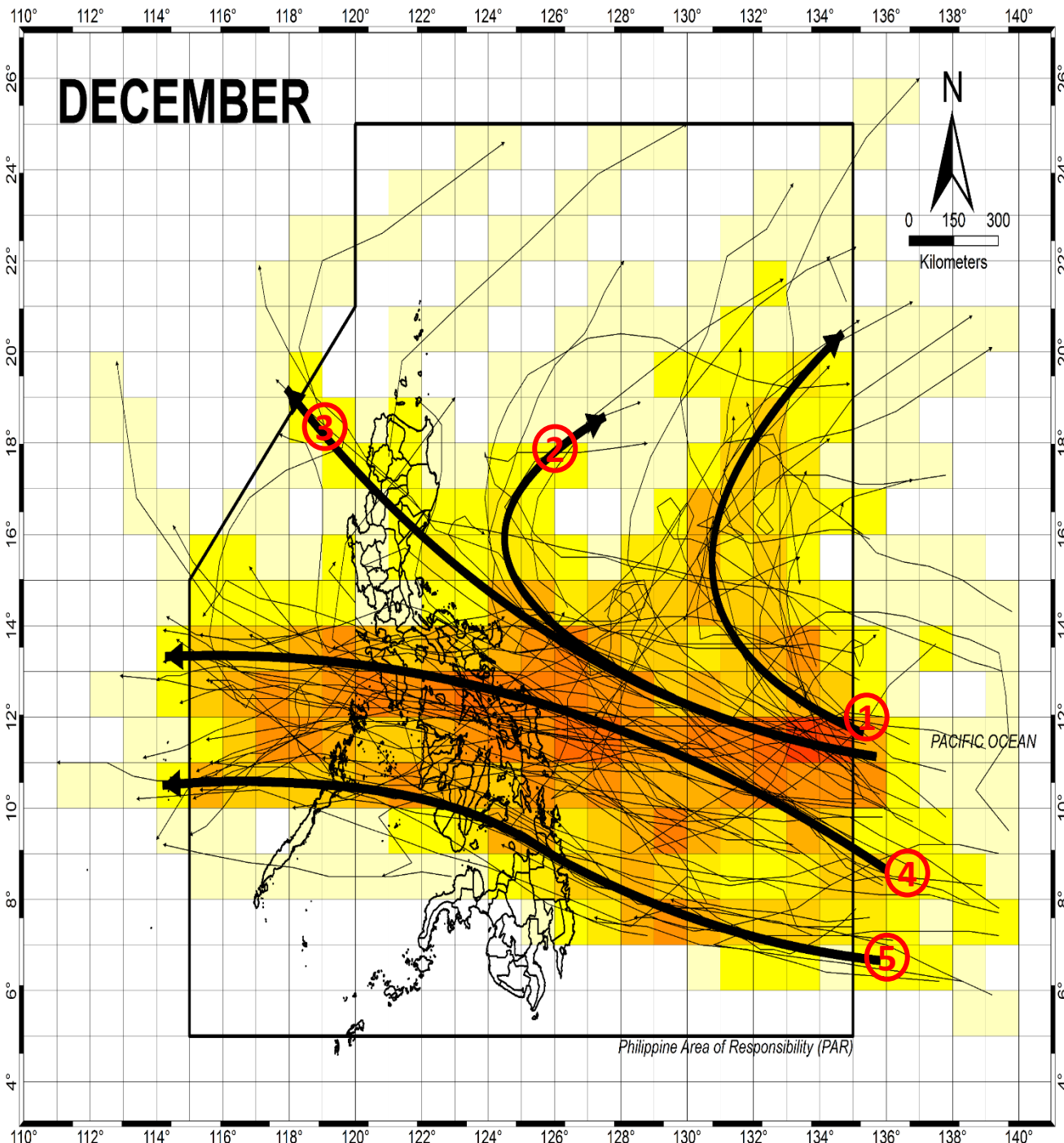
Low

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)

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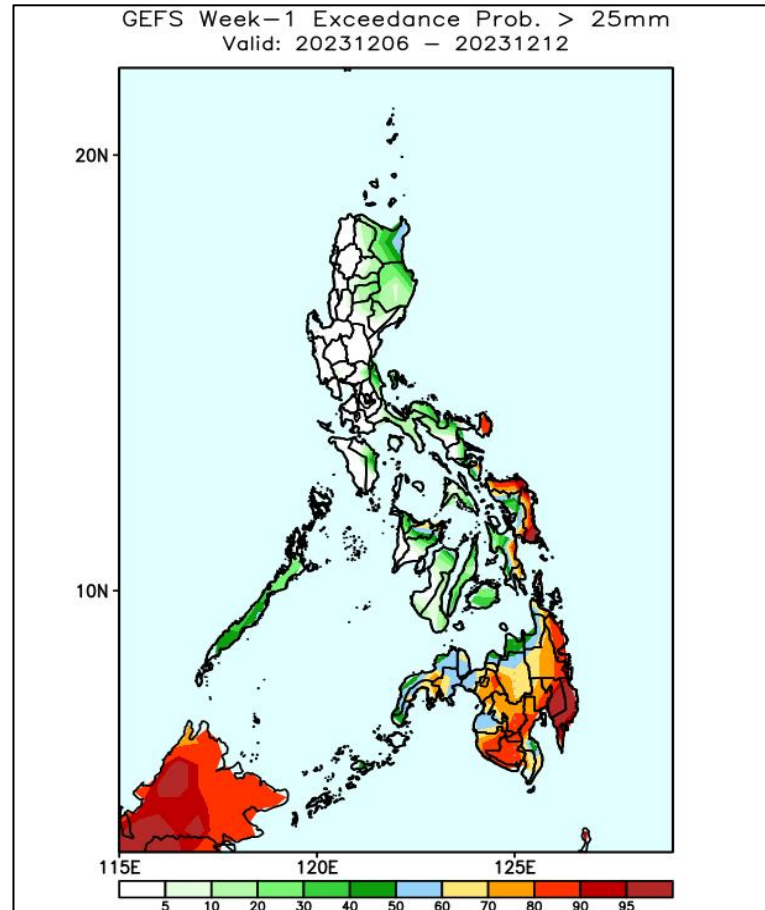
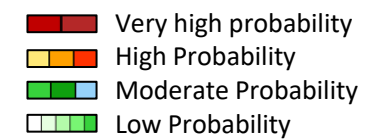
Tropical Cyclone Climatological Tracks for December in the Philippine Area of Responsibility (PAR)

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.

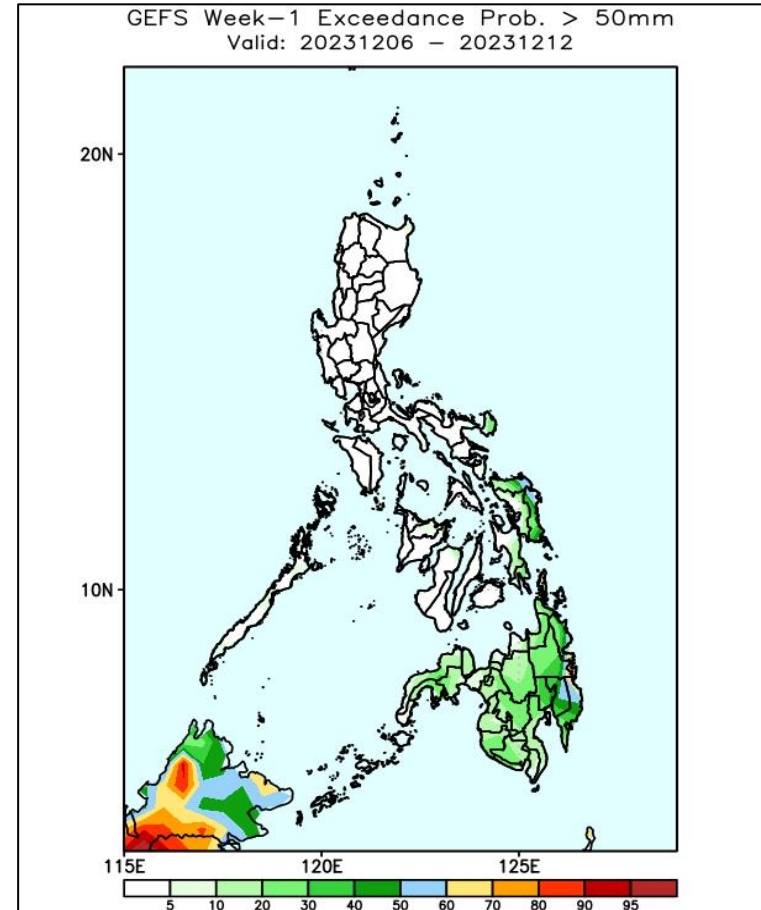
WEEK - 2: RAINFALL EXCEEDANCE PROBABILITY FORECAST

December 06 - 12, 2023



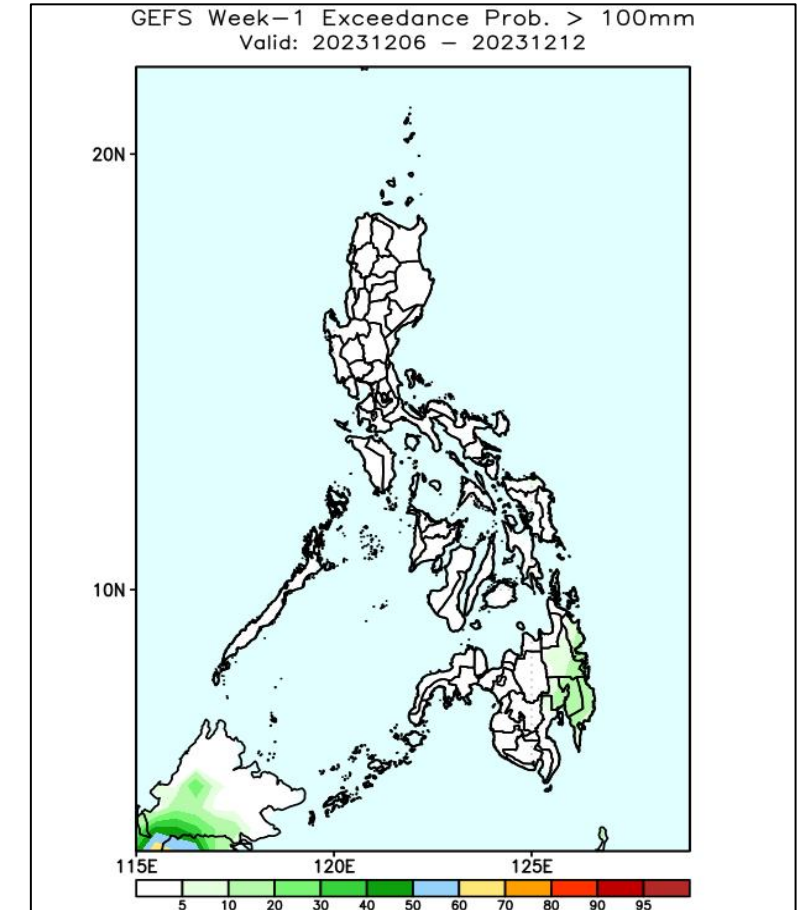
Probability to Exceed 25mm

- High to very high over Catanduanes, Northern and Eastern Samar, and Eastern Mindanao;
- Moderate to high over Sorsogon, north Camarines Sur, Samar, eastern Leyte, northern Capiz, and most parts of Mindanao;
- Low to moderate over Cagayan, Palawan, and northern Negros Occidental;
- Low over the rest of the country.



Probability to Exceed 50mm

- Low to moderate over eastern Samar, southern Leyte and eastern Mindanao;
- Low over the rest of the country.

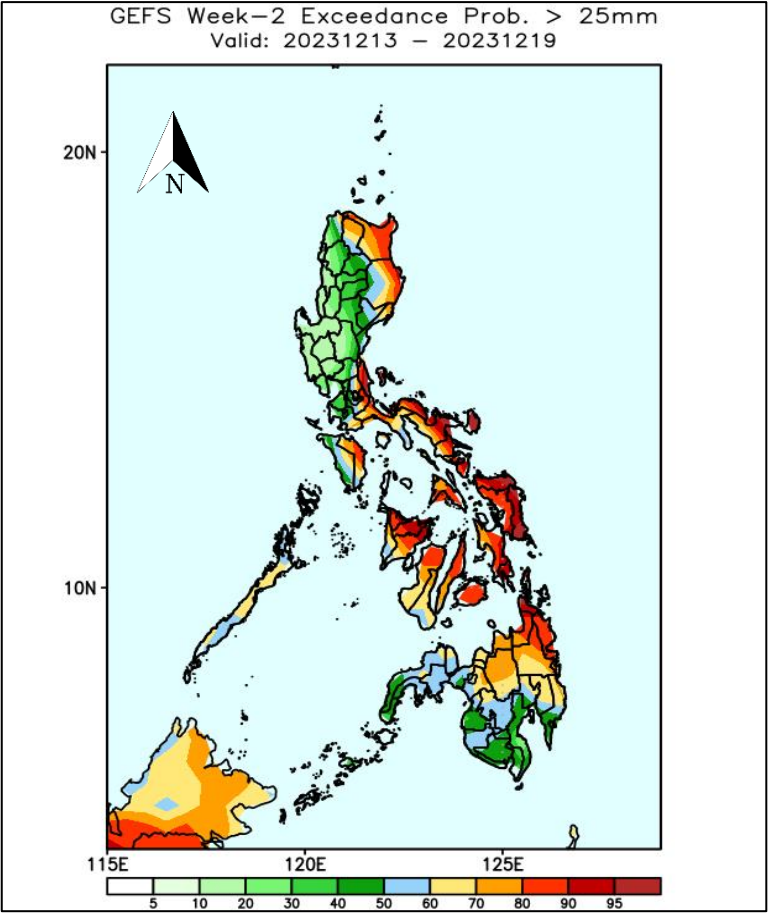
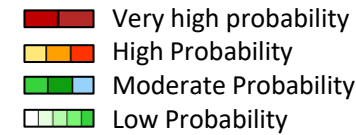


Probability to Exceed 100mm

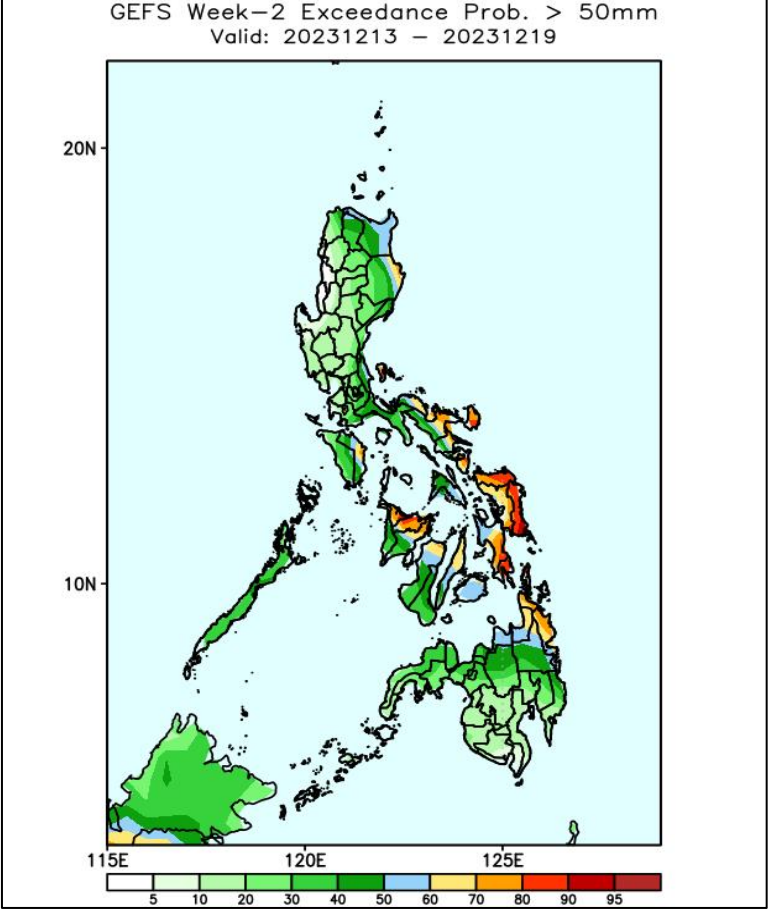
- Low across the country.

WEEK - 2: RAINFALL EXCEEDANCE PROBABILITY FORECAST

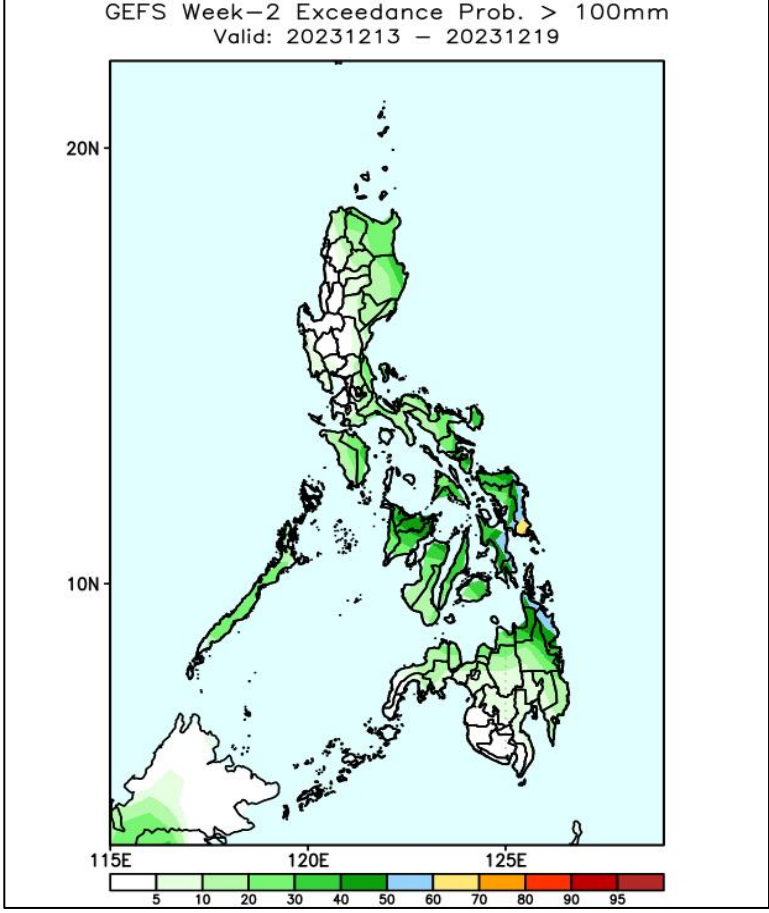
December 13 – 19, 2023



- Probability to Exceed 25mm**
- High to very high over the Bicol Region, northern Quezon, Eastern Visayas, northern portions of Western and Central Visayas, and Surigao del Norte ;
 - Moderate to high over eastern Luzon, Mindoro Provinces, Palawan, and rest of Visayas and Mindanao;
 - Low to moderate over the rest of the country.



- Probability to Exceed 50mm**
- Moderate to high over Isabela, Bicol Region, Oriental Mindoro, most parts of Visayas, and Caraga Region.
 - Low to moderate over the rest of the country.



- Probability to Exceed 100mm**
- Moderate to high over Eastern Samar.
 - Low to moderate over most of Visayas and Caraga.
 - Low elsewhere.