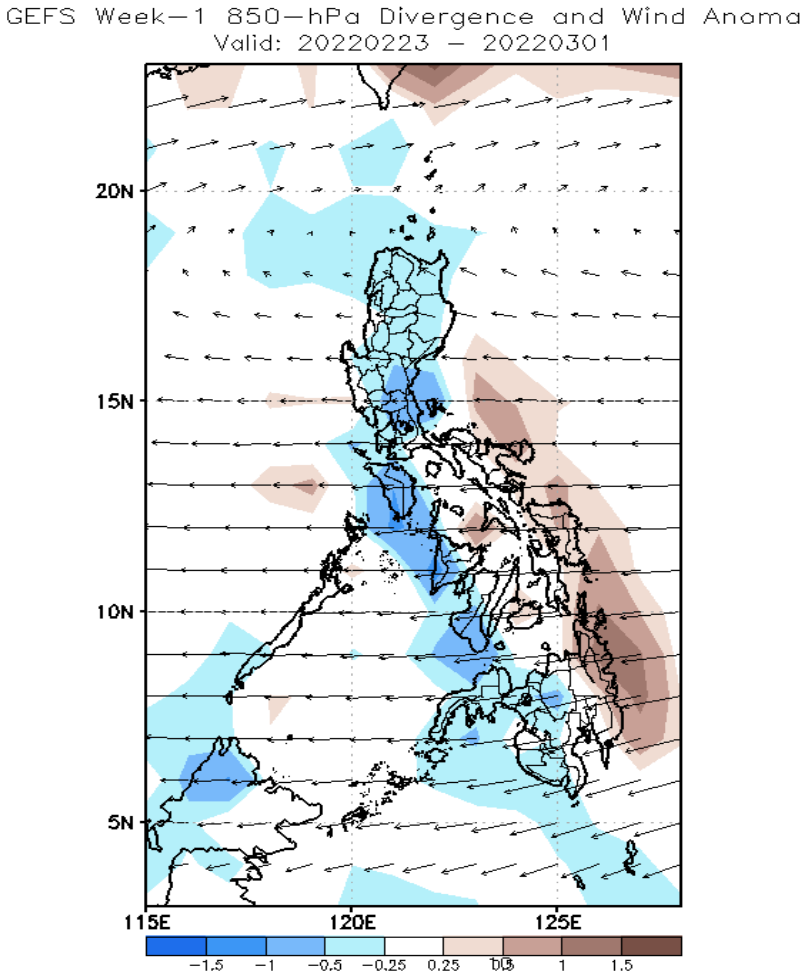
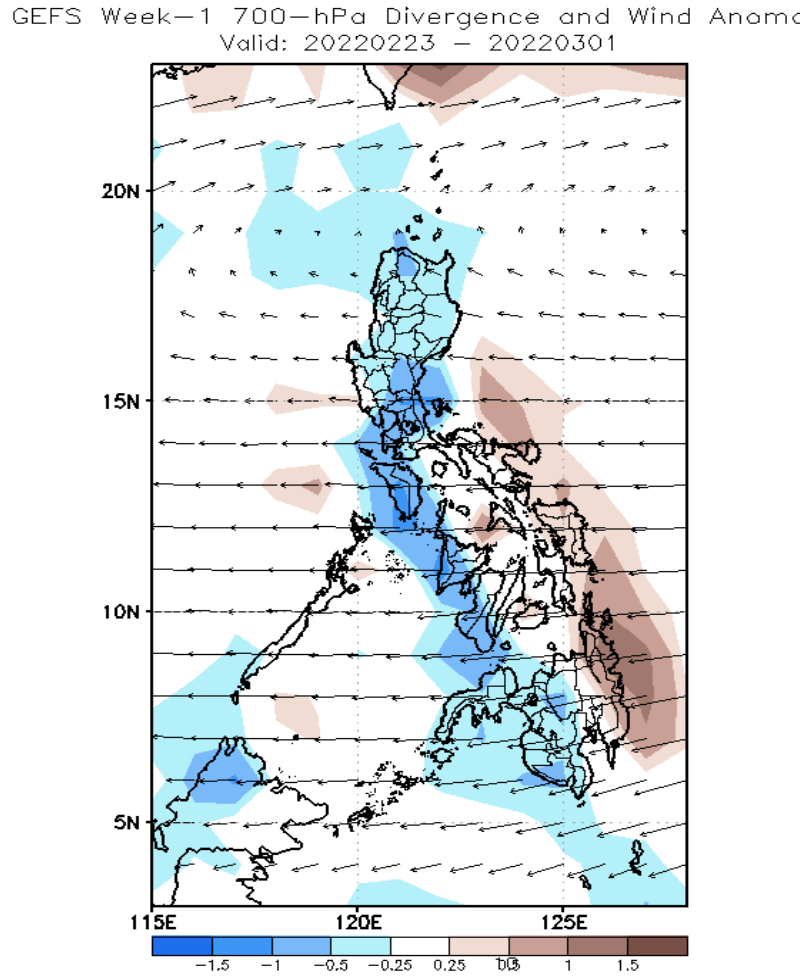
# Week 1 & Week 2 Forecast for the Philippines **using GEFS Model**

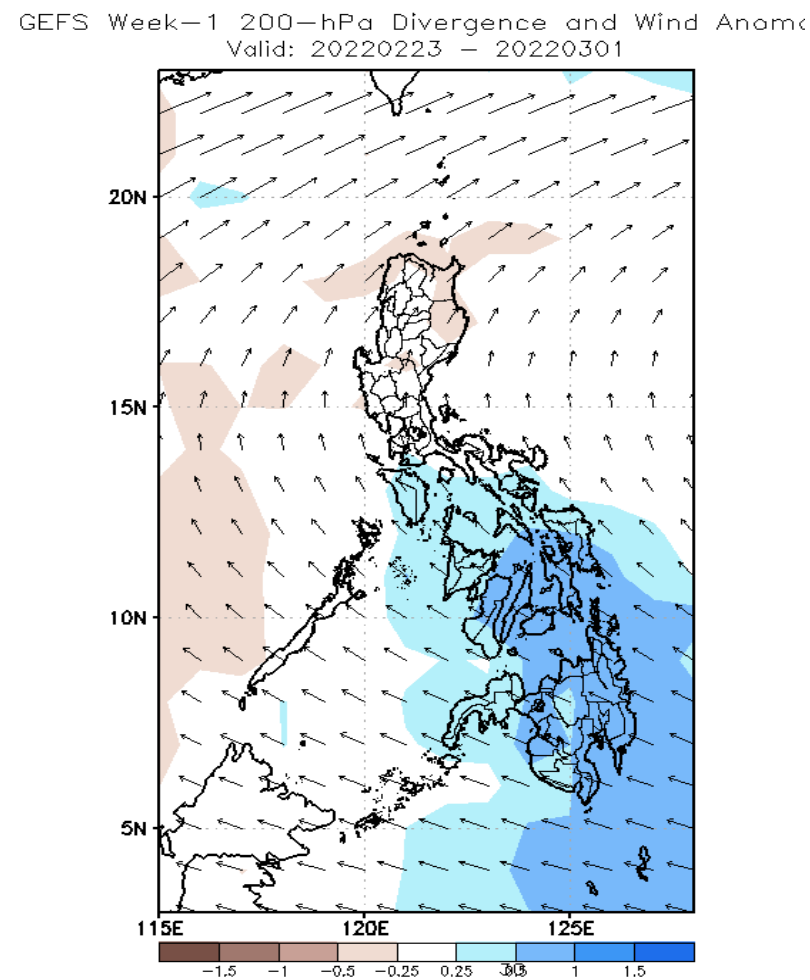
DOST PAGASA
The Weather and Climate Authority

# GEFS Week-1 Forecasts: Divergence & Wind Anomaly

## Week 1: Feb 23- Mar 01, 2022



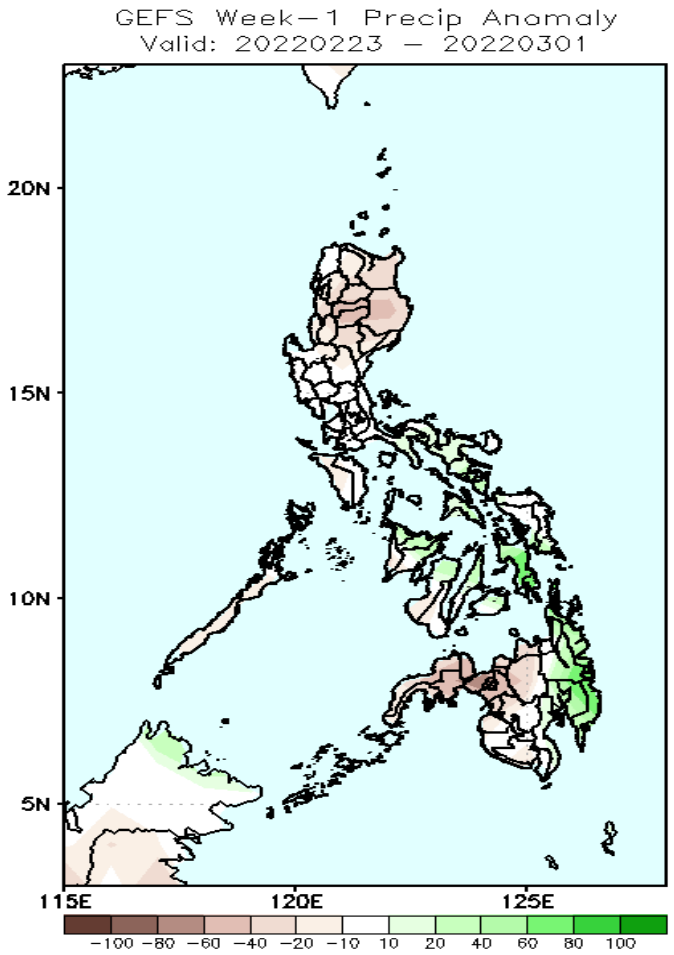



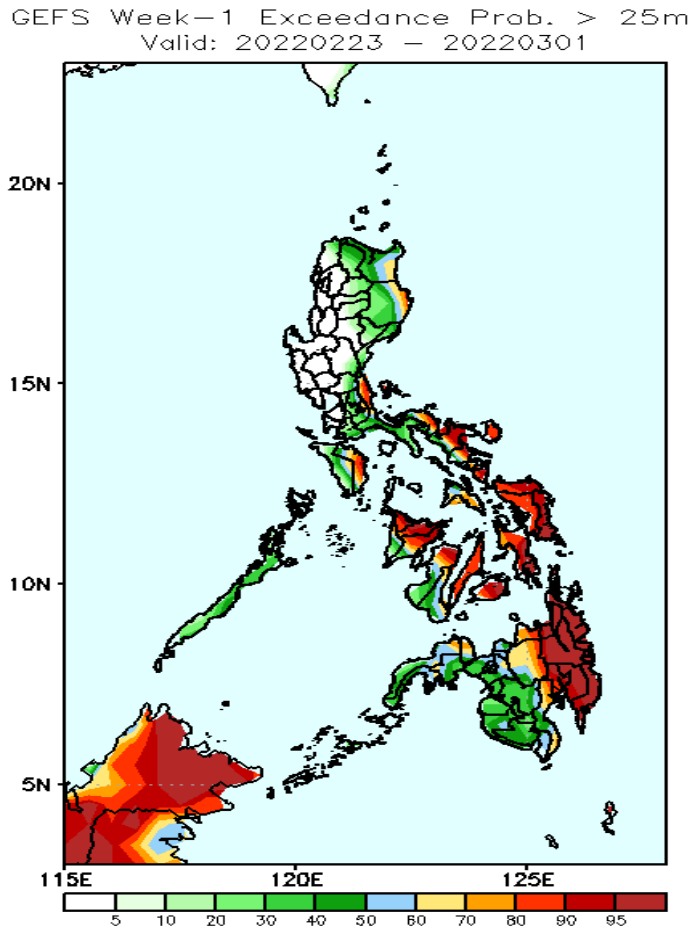

Upper and low level Divergence suggest a likelihood of light to moderate precipitation in Sorsogon, Mindoro provinces and most parts of Visayas and Mindanao. Northeast Monsoon affecting Northern Luzon while Easterlies affecting the rest of the country during the forecast period.

# Precipitation Anomaly and Exceedance Probability > 25/50 mm

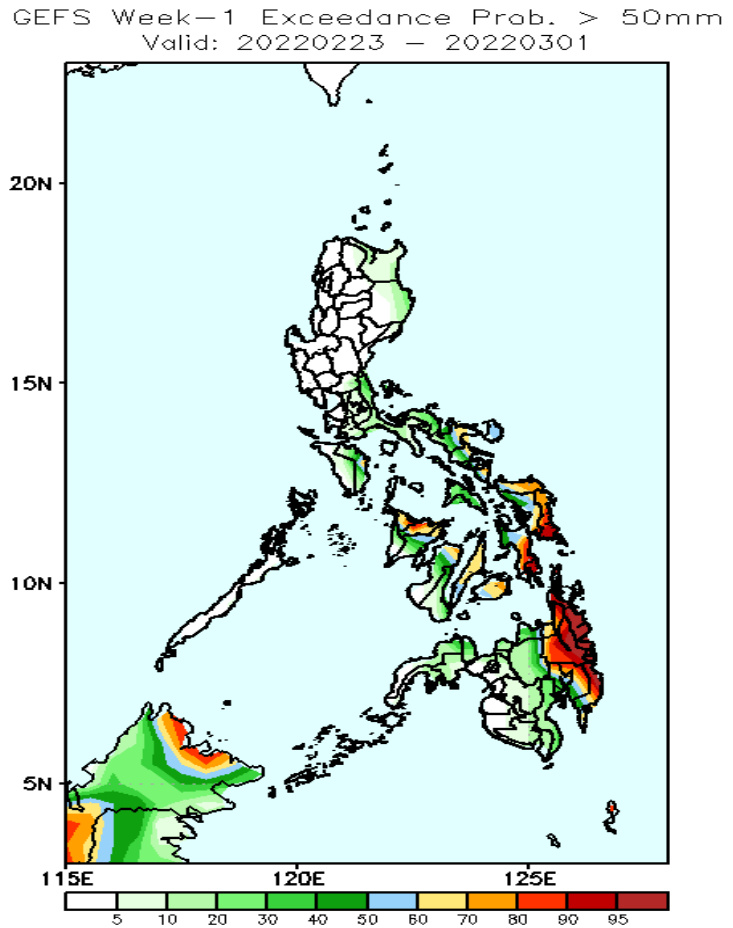
## Week 1: Feb 23- Mar 01, 2022




Rainfall deficit of 30-70mm in northern Luzon & northern Mindanao while 40-80mm increase of rainfall in Southern Leyte and western Mindanao is expected during the forecast period.



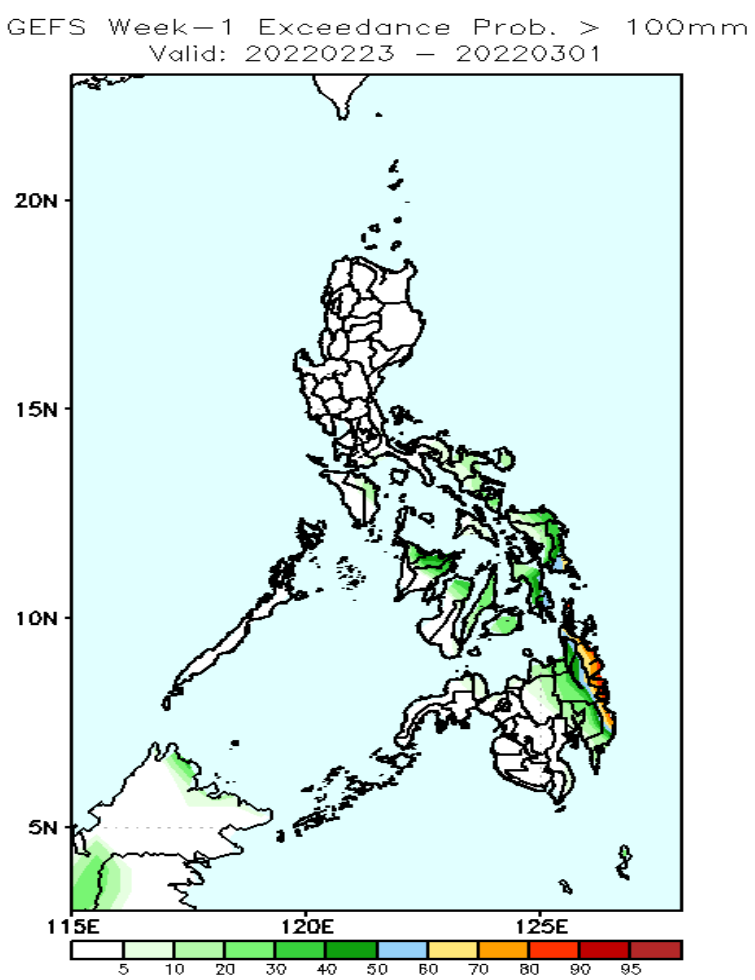

High probability of rainfall to exceed 25mm in Cagayan & Isabela, parts of Quezon province, Occidental Mindoro, Bicol Region, most parts of Visayas and eastern half of Mindanao while less likely for the rest of the country during the forecast period.



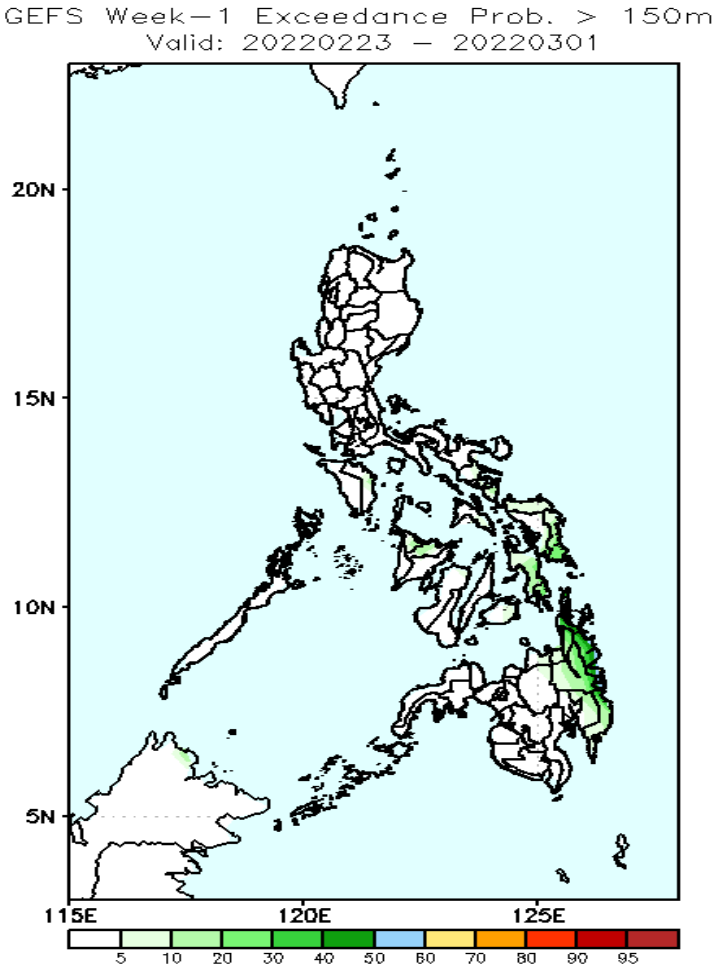

High probability of rainfall to exceed 50mm in Eastern Samar, Southern Leyte, Aklan, Capiz Cebu, Bohol and eastern Mindanao while less likely for the rest of the country during the forecast period.

# Exceedance Probability > 100/150/200 mm

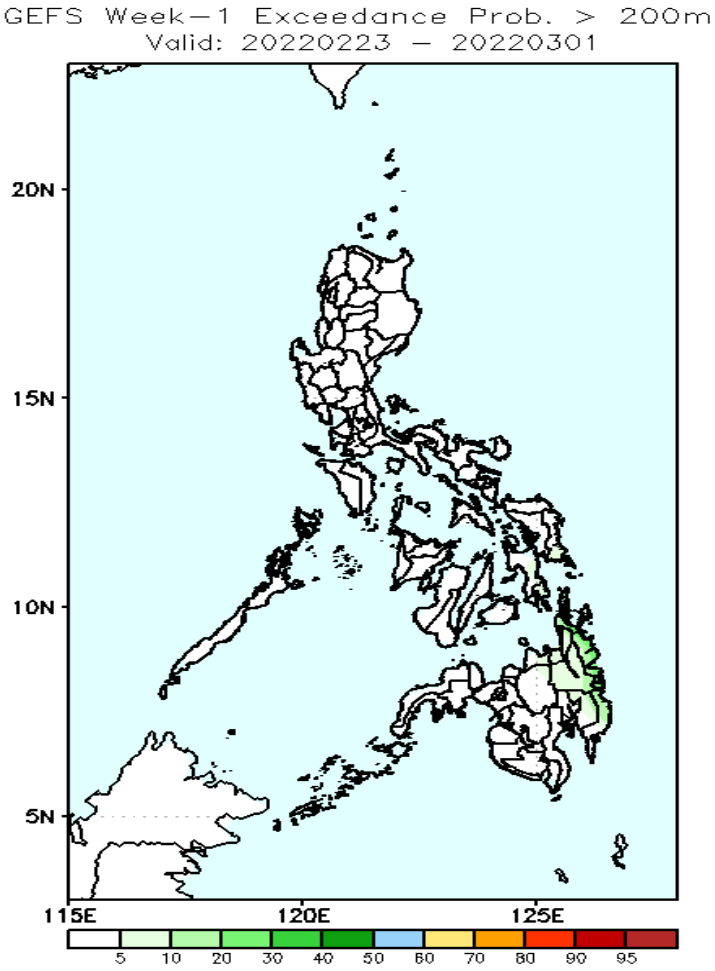
## Week 1: Feb 23- Mar 01, 2022




Low probability of rainfall to exceed 100mm in most parts of the country except in the eastern parts of Mindanao where there is 50-85% chance during the forecast period.



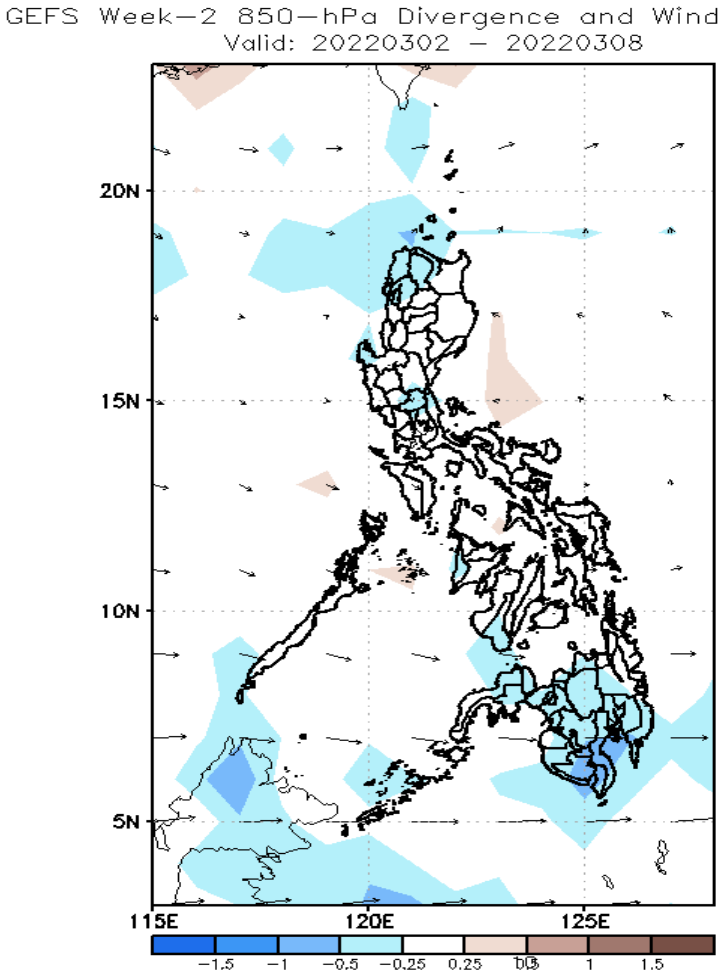

Low probability of rainfall to exceed 150mm in most parts of the country during the forecast period.

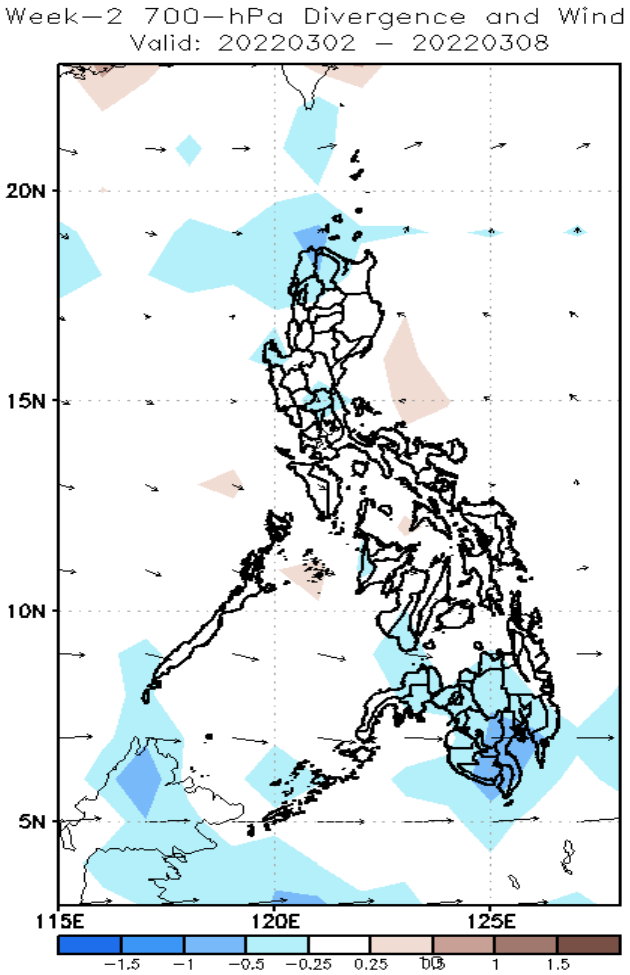


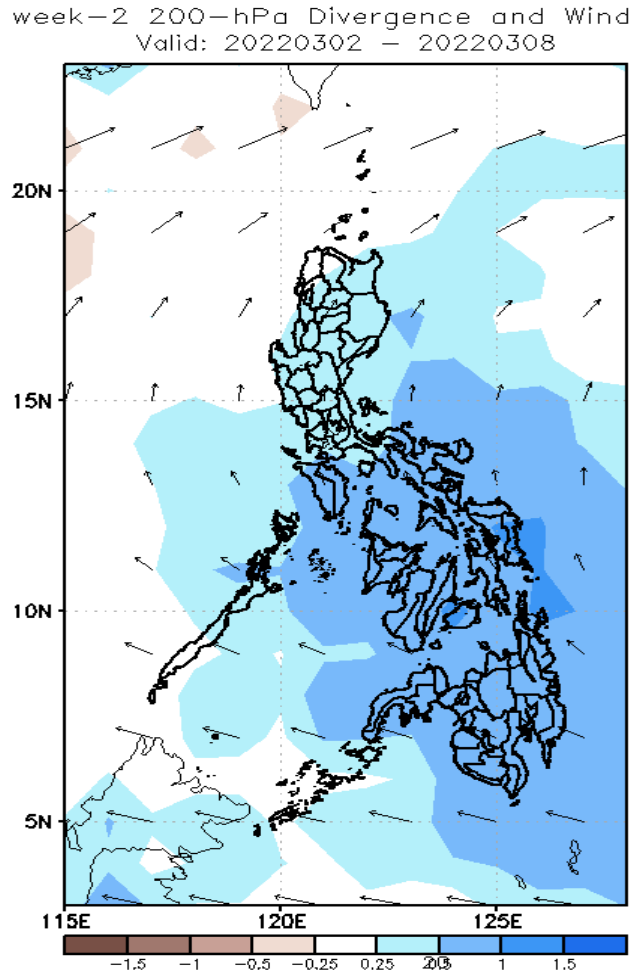

Low probability of rainfall to exceed 200mm in most parts of the country during the forecast period.

# GEFS Week-2 Forecasts: Divergence & Wind Anomaly

**Week 2: Mar 02-08, 2022**



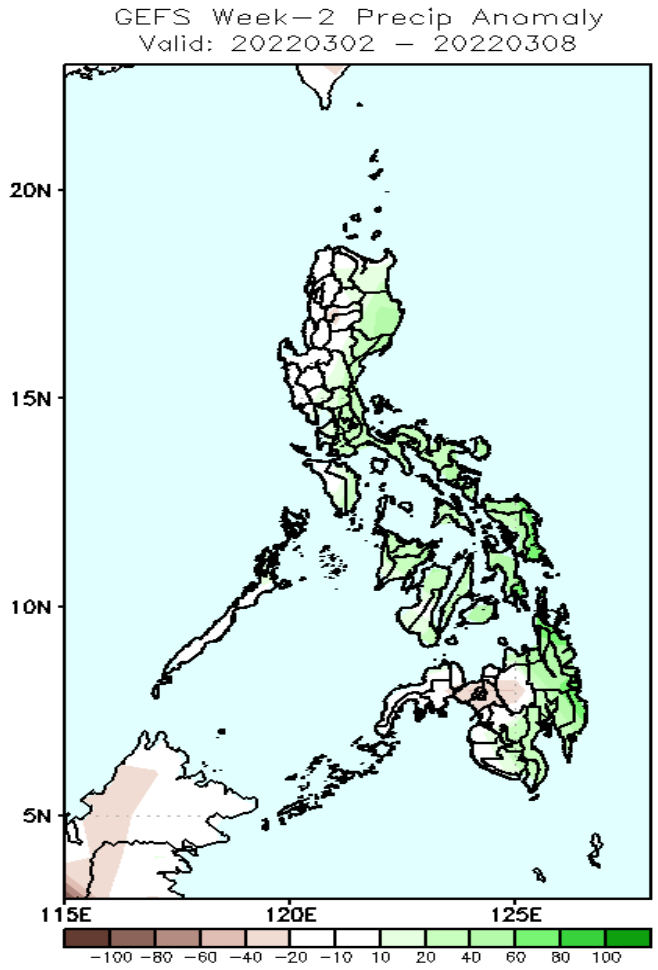



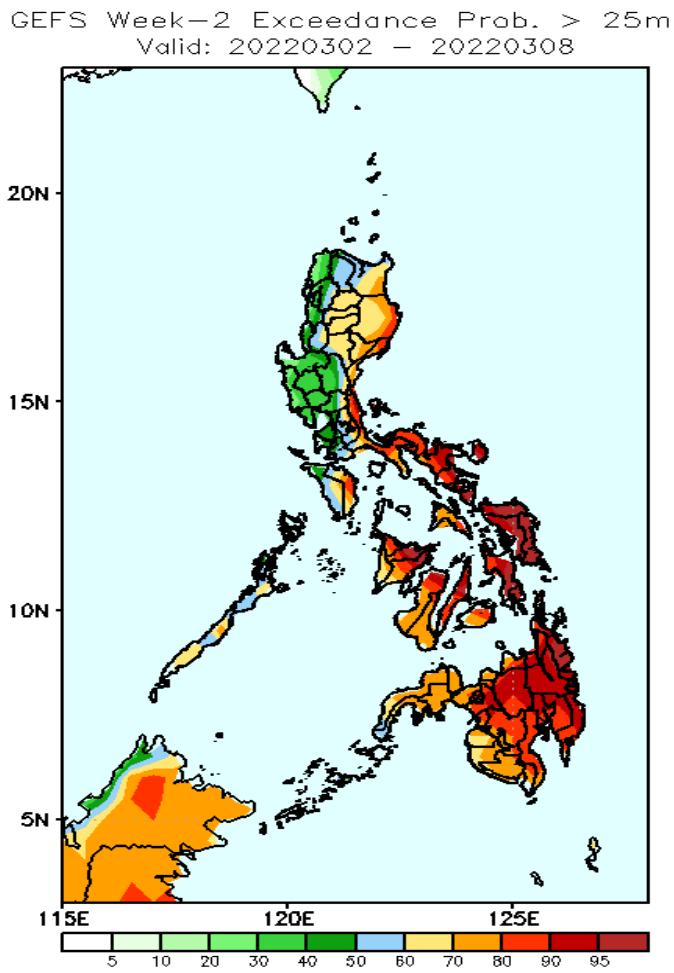

Upper and low level Divergence suggest a likelihood of light to moderate precipitation in most parts of the country. Easterlies affecting most parts of the country during the forecast period.

# Precipitation Anomaly and Exceedance Probability > 25/50 mm

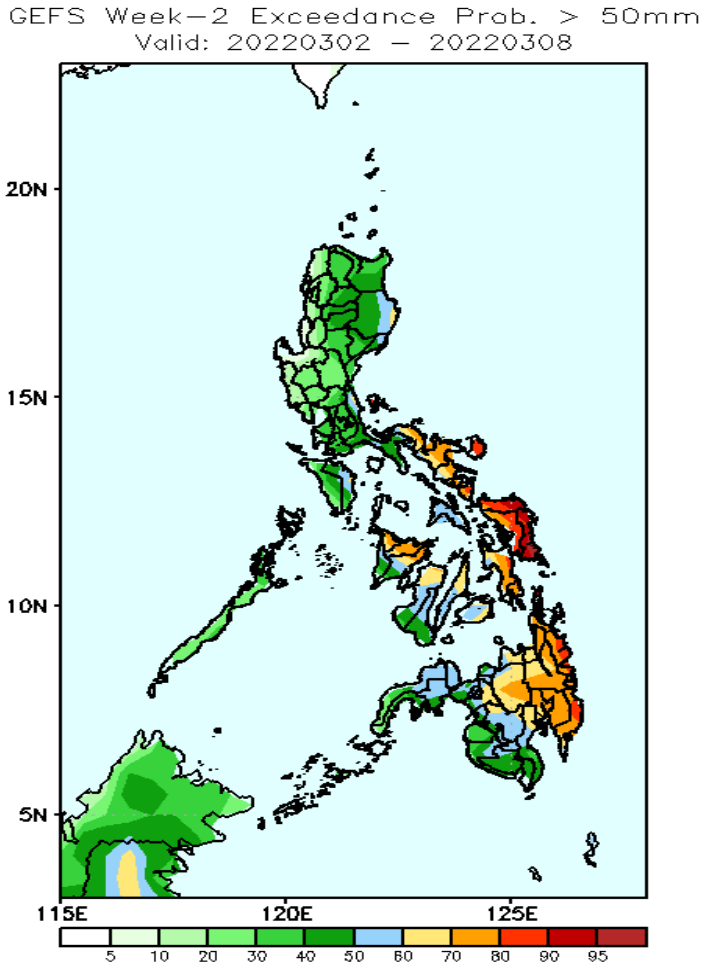
## Week 2: Mar 02-08, 2022




Increase of rainfall of 40-100mm is expected in most parts of the country except in the western parts of Luzon and Mindanao during the forecast period.



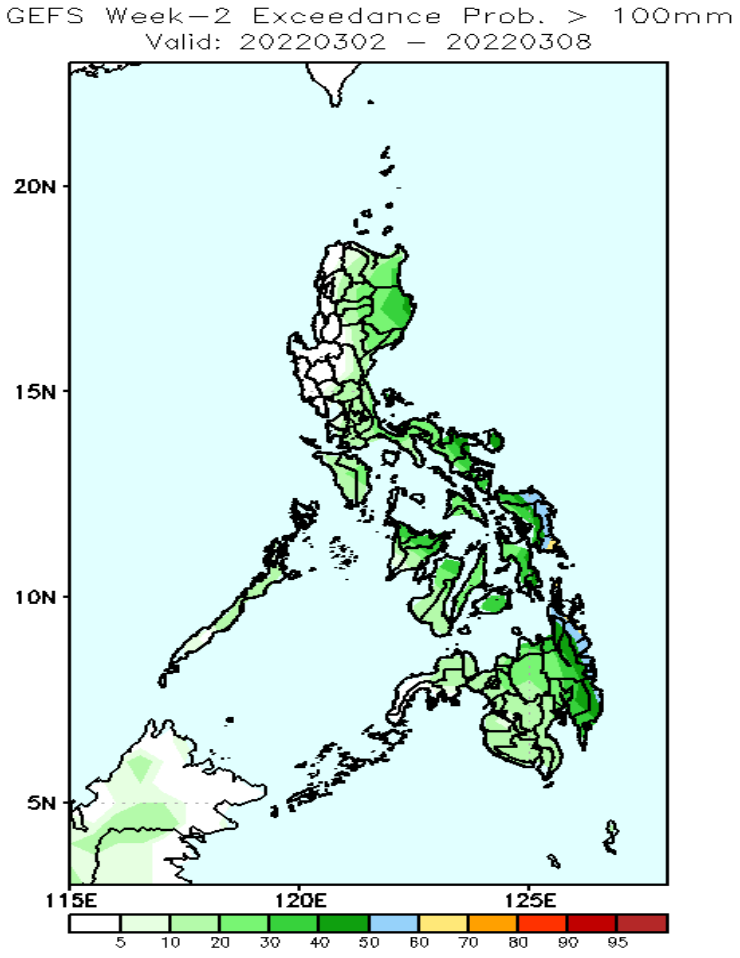

High probability of rainfall to exceed 25mm in most parts of the country except in Ilocos Region & Central Luzon where there is low chance during the forecast period.



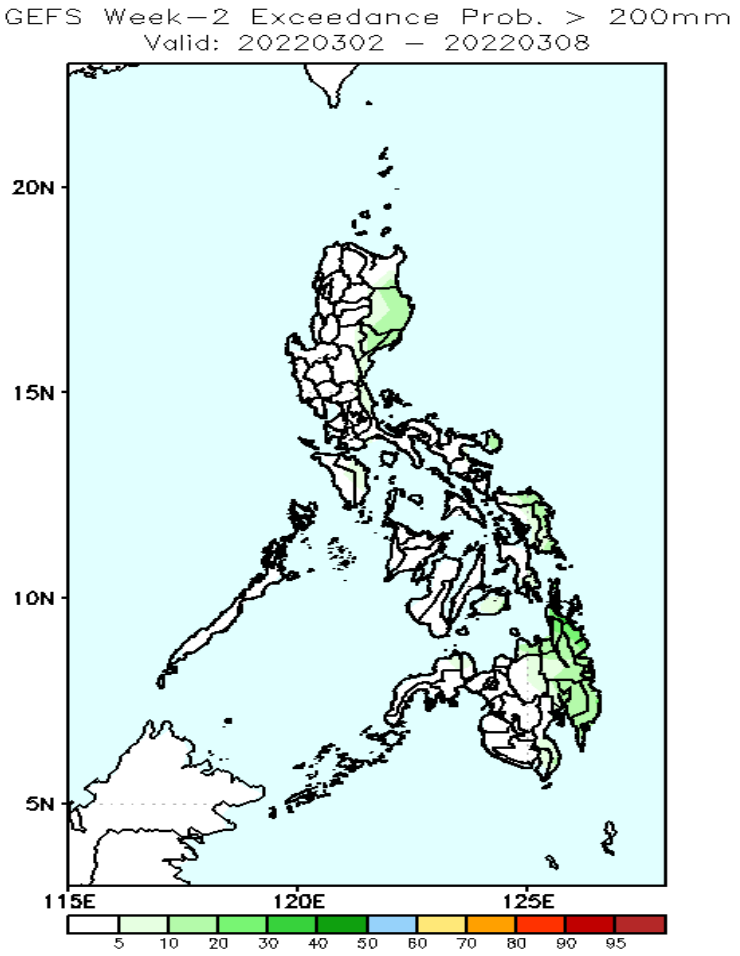

60-100% probability of rainfall to exceed 50mm in Bicol Region and most parts of Visayas and Mindanao while less likely for the rest of the country during the forecast period

# Exceedance Probability > 100/150/200 mm

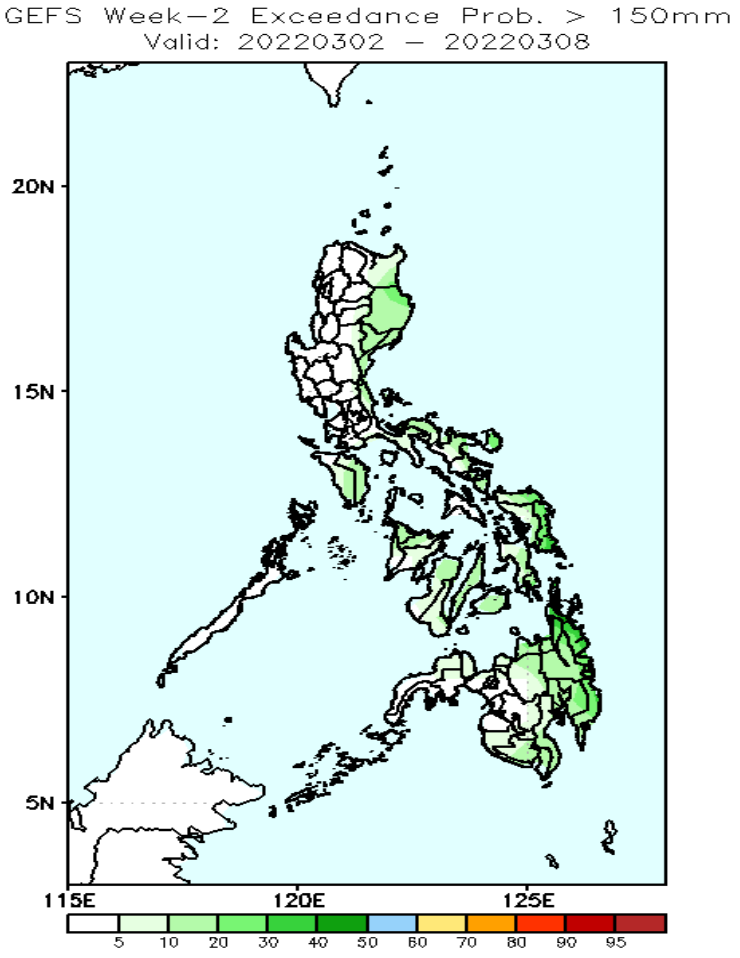
## Week 2: Mar 02-08, 2022




Low probability of rainfall to exceed 100mm in most parts of the country during the forecast period.

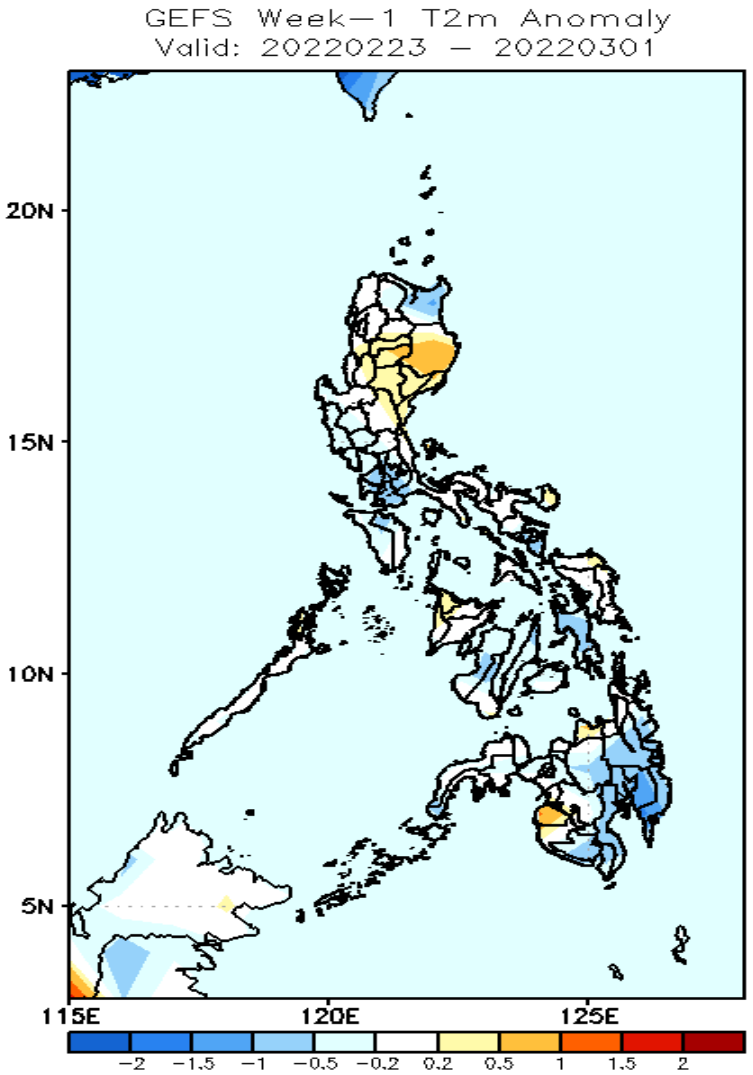



Low probability of rainfall to exceed 150mm in most parts of the country during the forecast period.



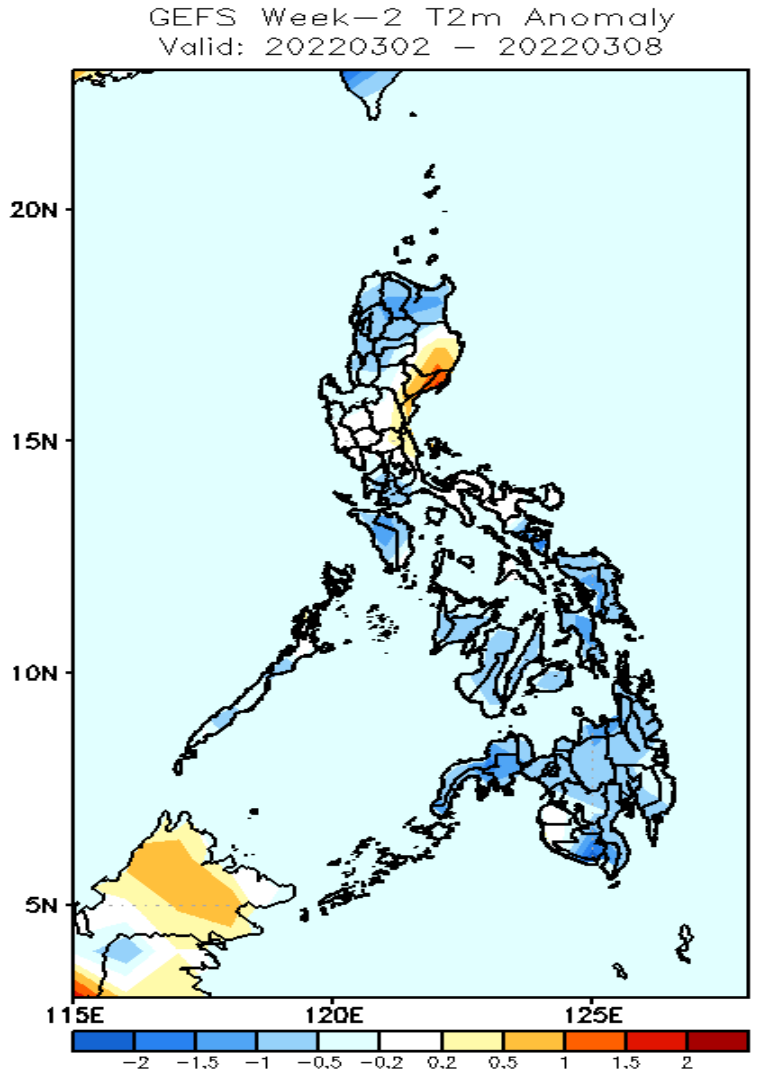

Low probability of rainfall to exceed 200mm in most parts of the country during the forecast period.

# GEFS Week-1 & 2 Forecasts: T2m Anomaly




**2m Temperature Week 1: Feb 23- Mar 01, 2022**

Average to slightly cooler surface air temperature will likely experience in most parts of the country except in Isabela, Cordillera Region and Maguindanao where slightly warmer to warmer temperature is expected during the forecast period.




**2m Temperature Week 2: Mar 02-08, 2022**

Cooler than average surface air temperature will likely experience in most parts of the country except in Isabela, Quirino & Aurora where slightly warmer to warmer than average temperature is expected during the forecast period.