



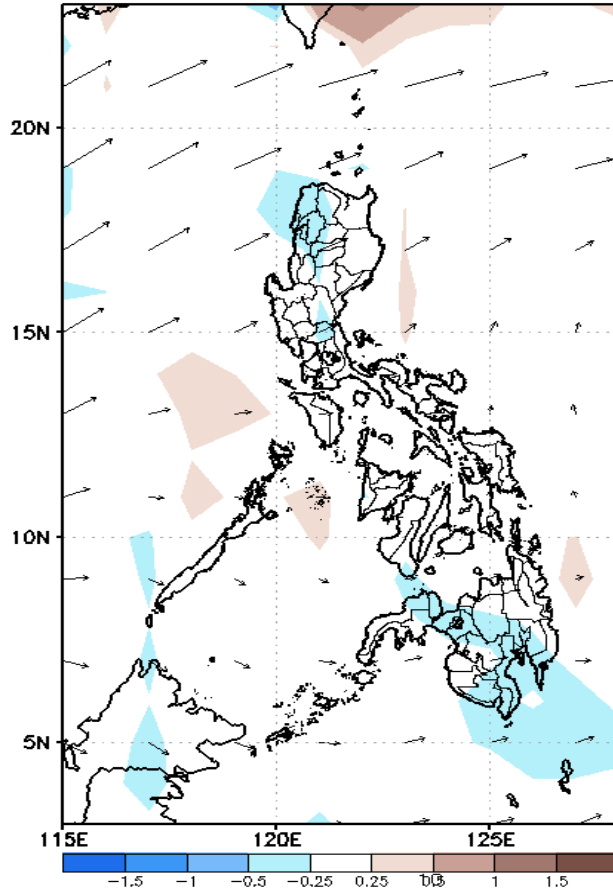
# Week 1 & Week 2 Forecast for the Philippines using GEFS Model



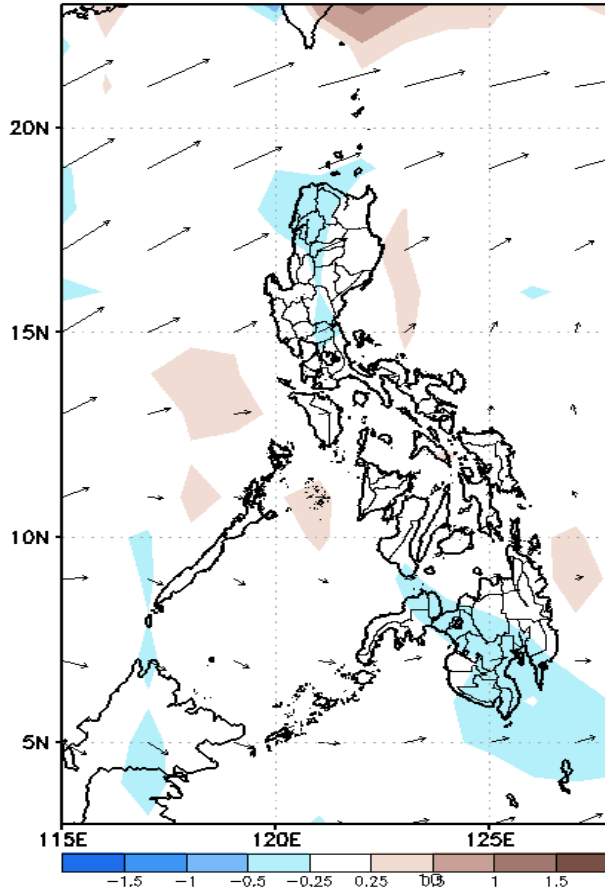
# GEFS Week-1 Forecasts: Divergence & Wind Anomaly

Week 1: Dec 20-26, 2021

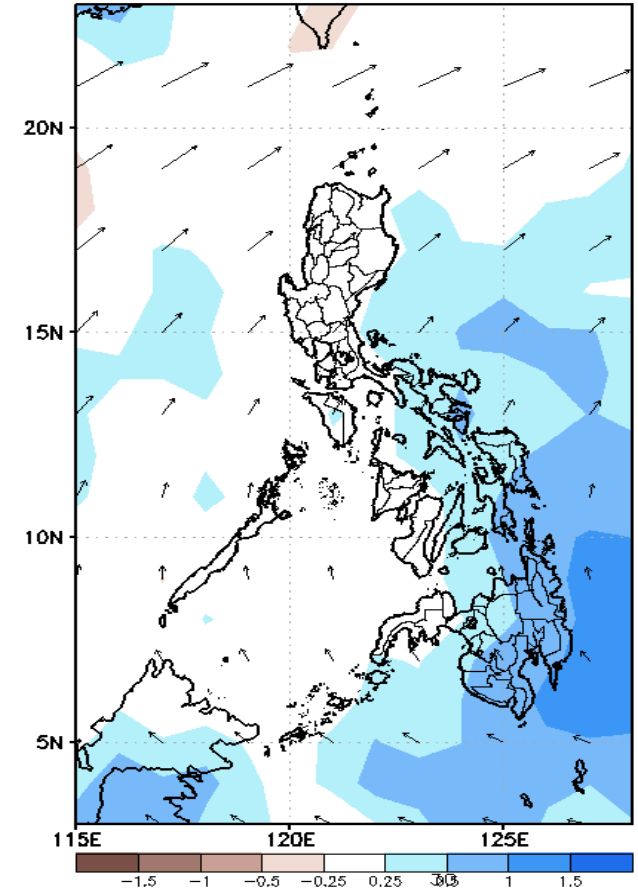
GEFS Week-1 850-hPa Divergence and Wind Anom  
Valid: 20211220 - 20211226



GEFS Week-1 700-hPa Divergence and Wind Anom  
Valid: 20211220 - 20211226



GEFS Week-1 200-hPa Divergence and Wind Anom  
Valid: 20211220 - 20211226

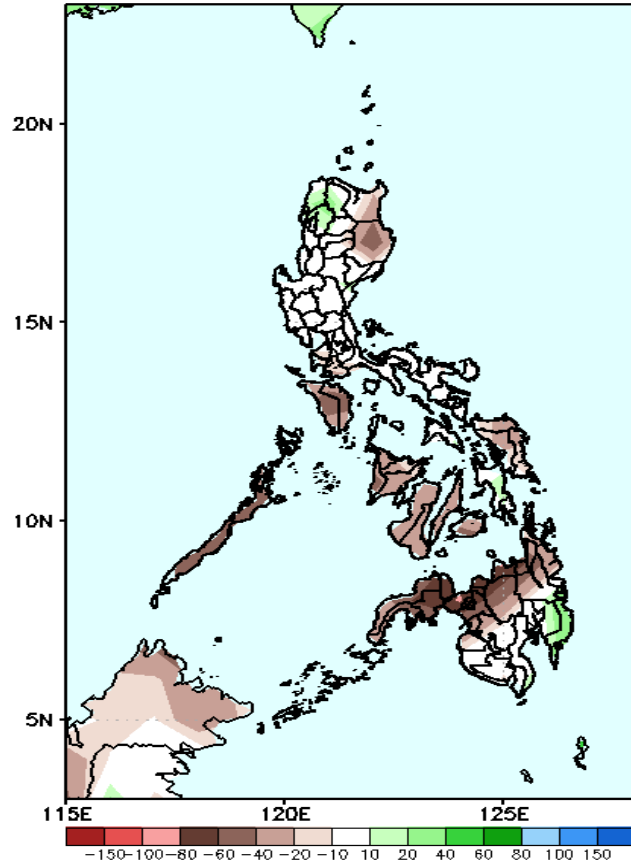


Upper and low level Divergence suggest likelihood of light to moderate precipitation in eastern Luzon, Central and Eastern Visayas and most parts of Mindanao. Easterlies affecting most parts of the country during the forecast period.

# Precipitation Anomaly and Exceedance Probability > 25/50 mm

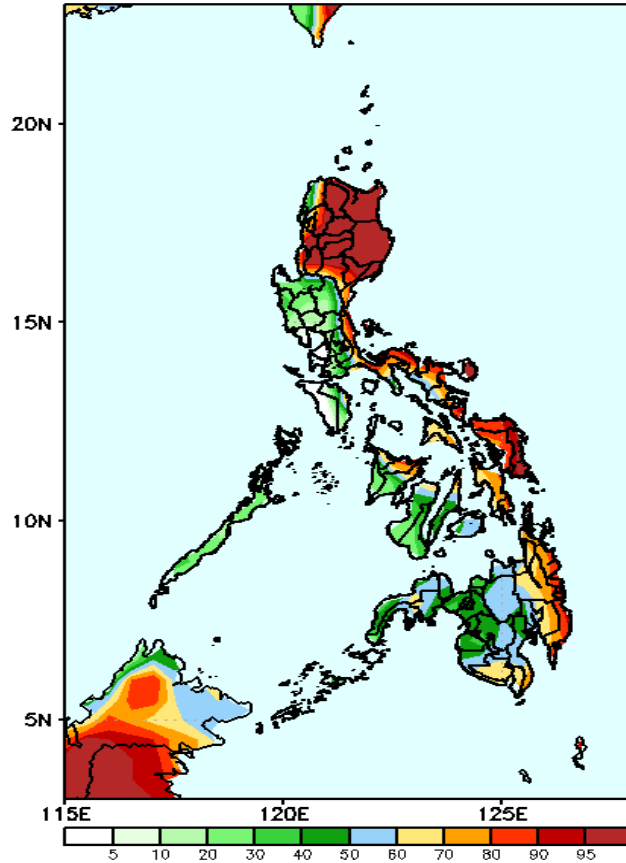
## Week 1: Dec 20-26, 2021

GEFS Week-1 Precip Anomaly  
Valid: 20211220 - 20211226



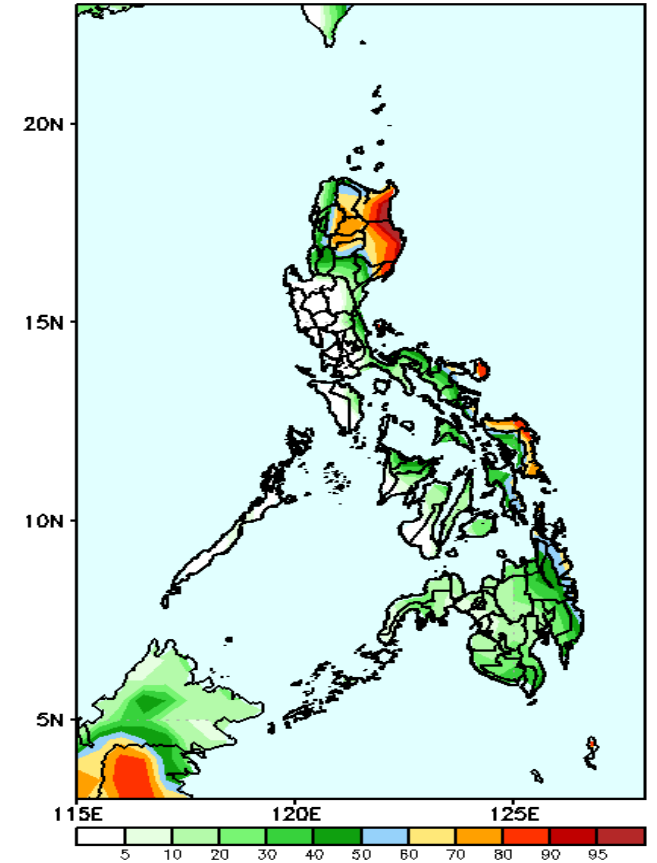
Rainfall deficit of 40-80mm is expected in Isabela, most parts of Visayas and northern half of Mindanao during the forecast period.

GEFS Week-1 Exceedance Prob. > 25mm  
Valid: 20211220 - 20211226



High probability of rainfall to exceed 25mm in eastern parts of the country, most parts of Ilocos & Cordillera Region and Capiz while less likely for the rest of the county during the forecast period.

GEFS Week-1 Exceedance Prob. > 50mm  
Valid: 20211220 - 20211226

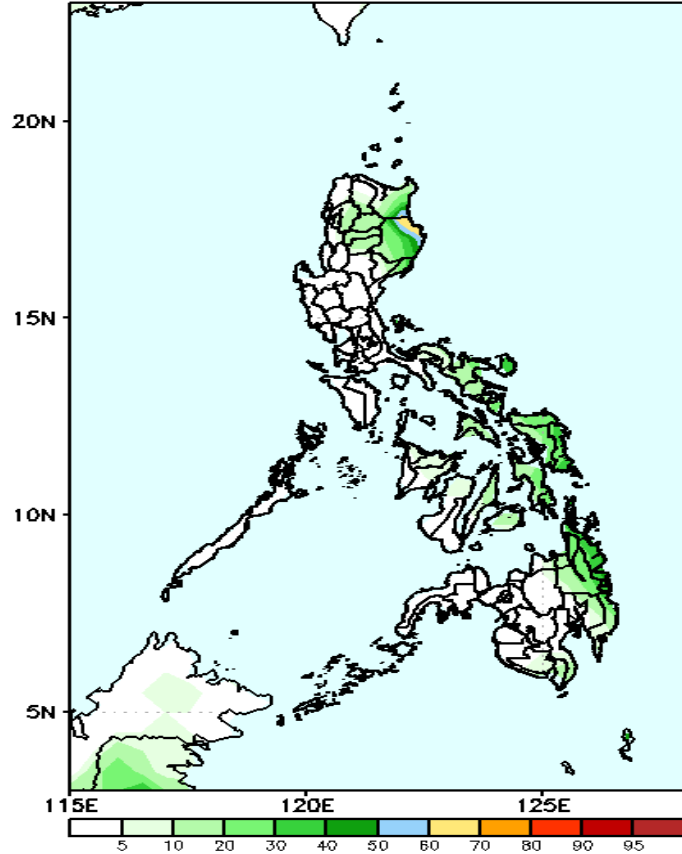


High probability of rainfall to exceed 50mm in Kalinga, Mt. Province, Cagayan, Isabela, Catanduanes and Northern & Eastern Samar while less likely for the rest of the county during the forecast period.

# Exceedance Probability > 100/150/200 mm

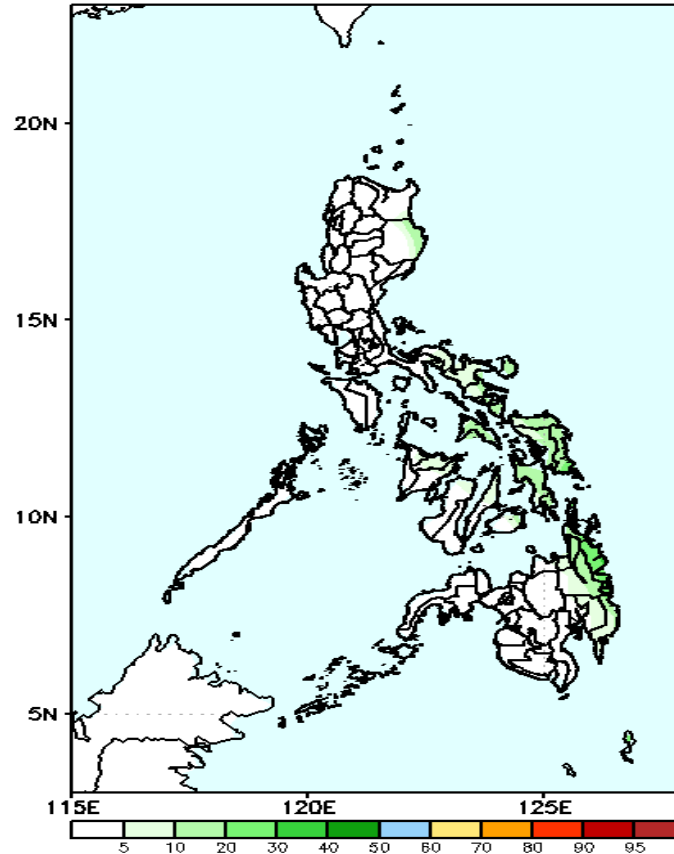
## Week 1: Dec 20-26, 2021

GEFS Week-1 Exceedance Prob. > 100mm  
Valid: 20211220 - 20211226



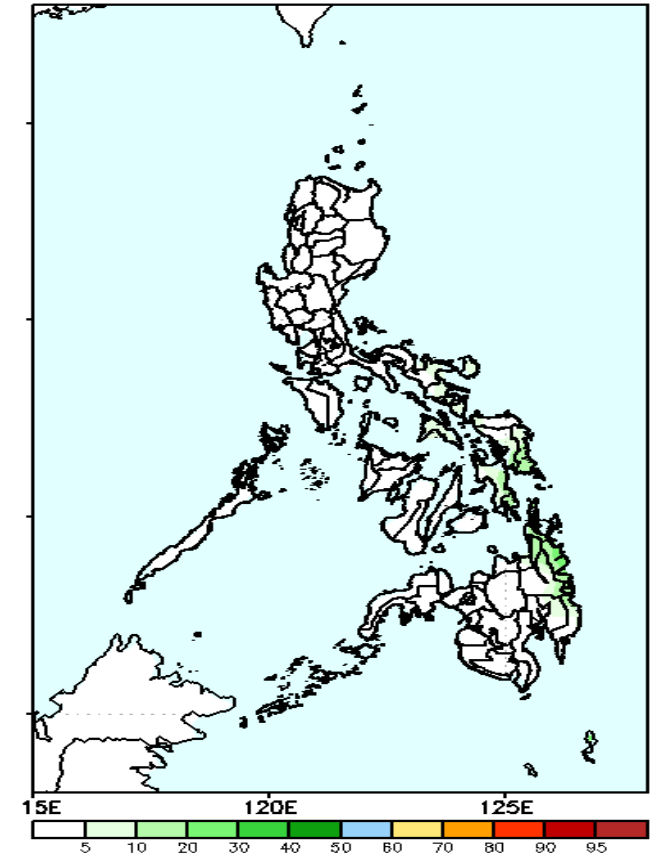
Less probability of rainfall to exceed 100mm in most parts of the country is expected during the forecast period.

GEFS Week-1 Exceedance Prob. > 150mm  
Valid: 20211220 - 20211226



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

GEFS Week-1 Exceedance Prob. > 200mm  
Valid: 20211220 - 20211226



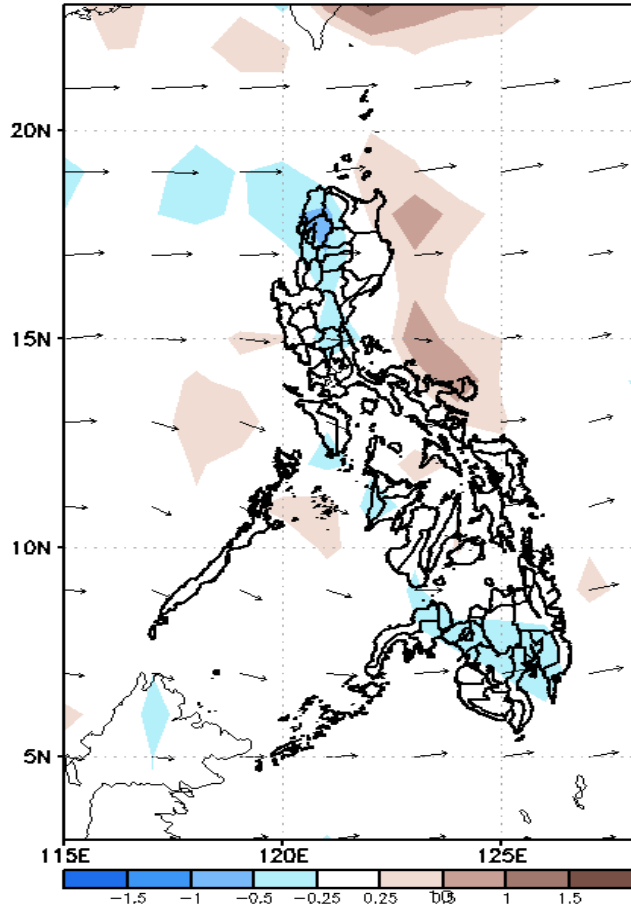
Less probability of rainfall to exceed 200mm in most parts of the country is expected during the forecast period.



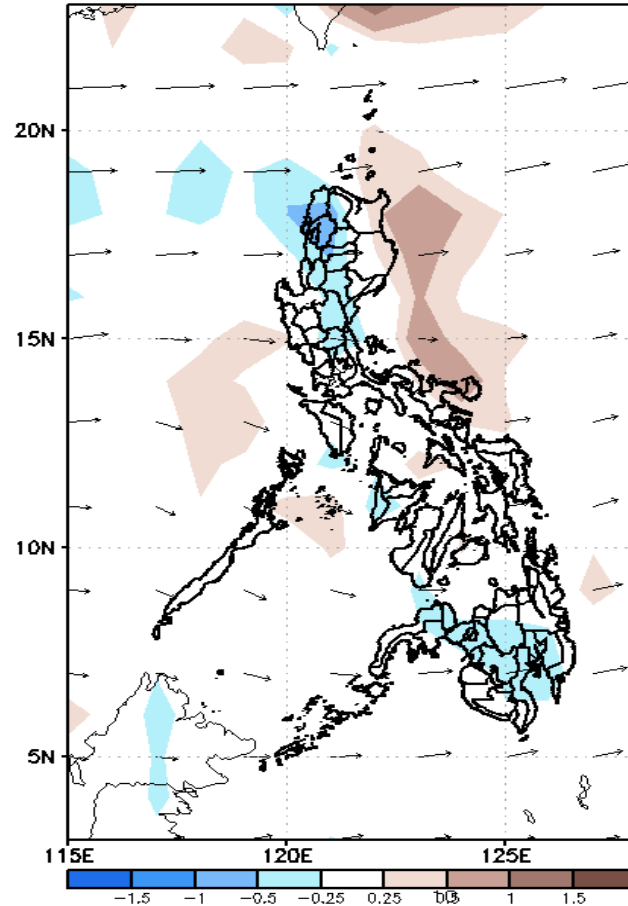
# GEFS Week-2 Forecasts: Divergence & Wind Anomaly

## Week 2: Dec 27-Jan 02, 2021

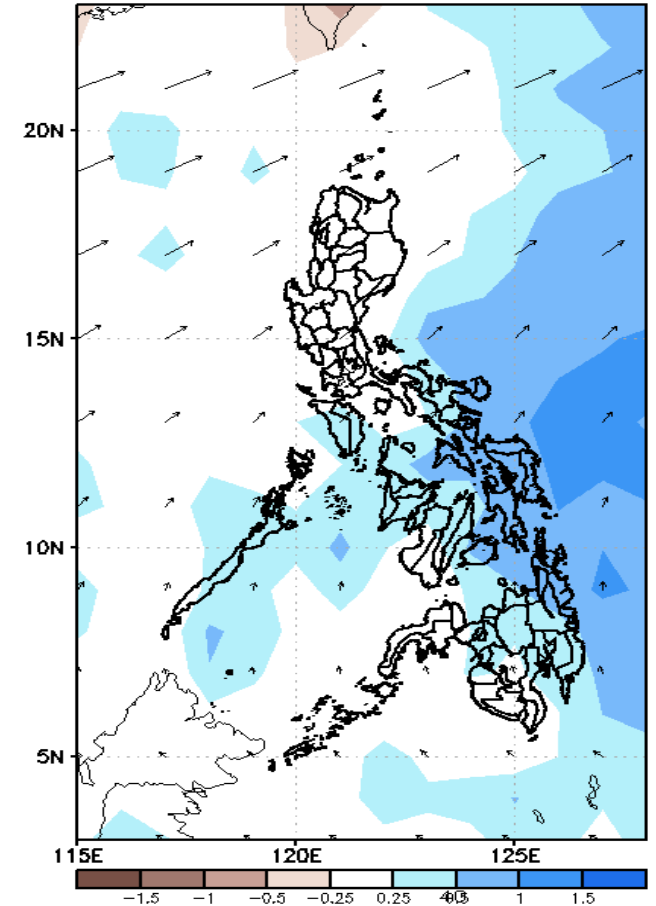
GEFS Week-2 850-hPa Divergence and Wind Anom  
Valid: 20211227 - 20220102



GEFS Week-2 700-hPa Divergence and Wind Anom  
Valid: 20211227 - 20220102



GEFS week-2 200-hPa Divergence and Wind Anom  
Valid: 20211227 - 20220102

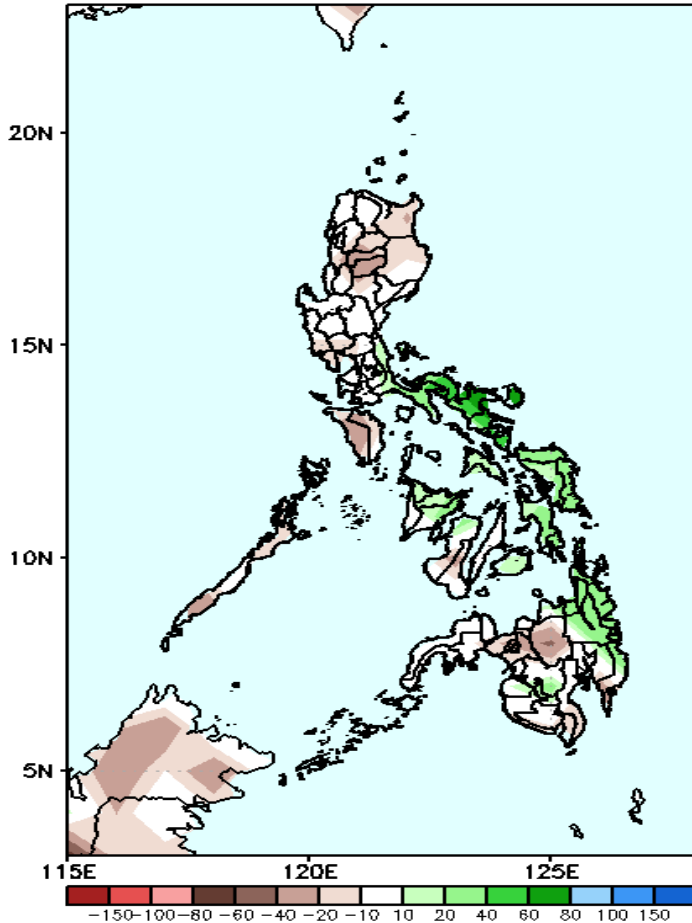


Upper and low level Divergence suggest likelihood of light to moderate precipitation in Eastern Luzon, MIMAROPA and most parts of Visayas and Mindanao. Northeast Monsoon affecting Eastern section of Luzon and Visayas while Easterlies affecting the rest of the country during the forecast period.

# Precipitation Anomaly and Exceedance Probability > 25/50 mm

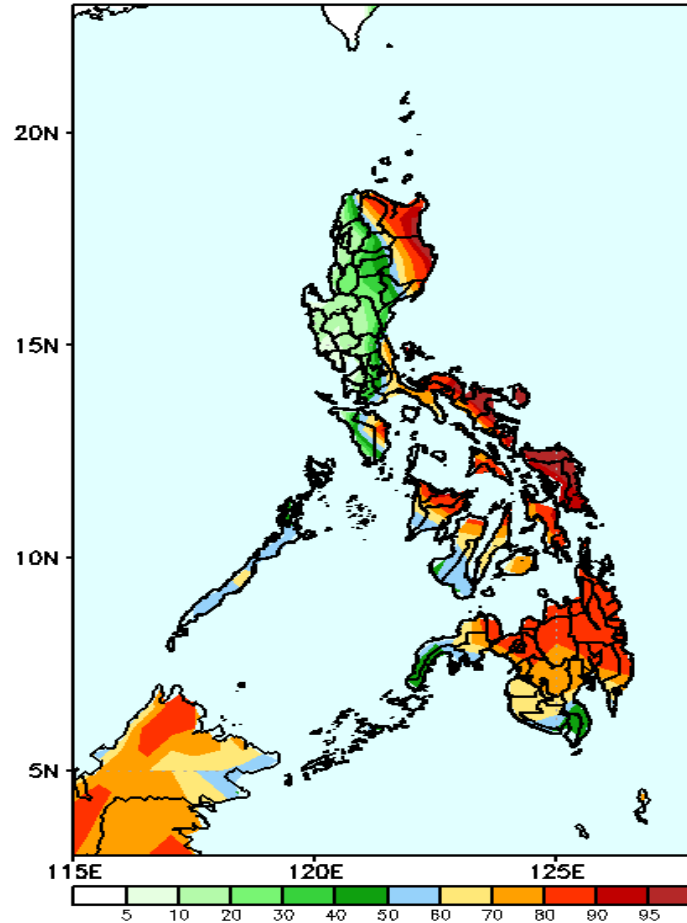
## Week 2: Dec 27-Jan 02, 2021

GEFS Week-2 Precip Anomaly  
Valid: 20211227 - 20220102



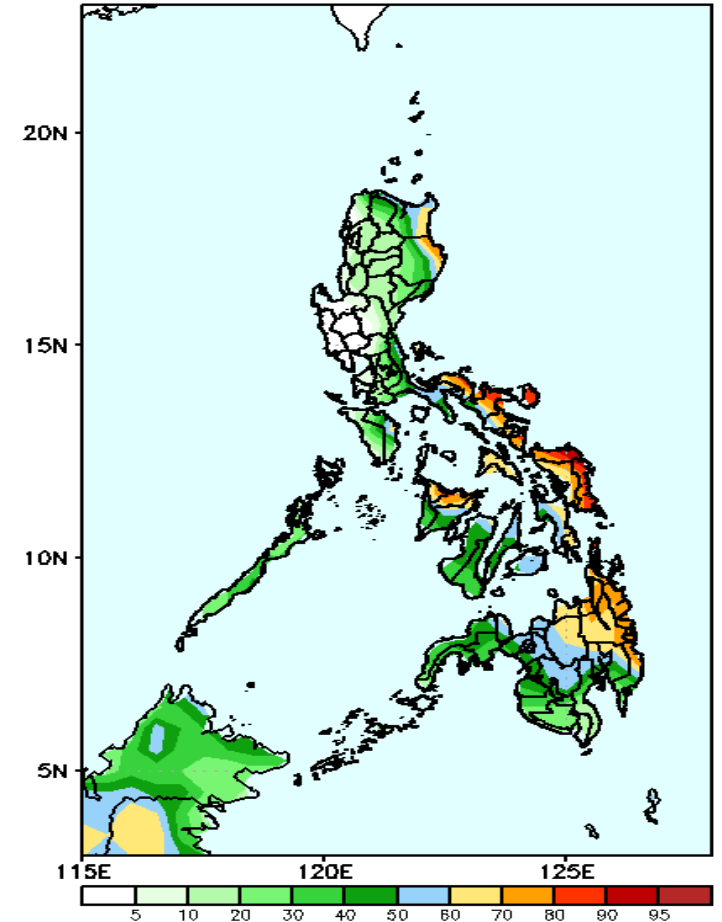
Increase of rainfall of 40-80mm is expected in northern Luzon and most parts of Visayas and Mindanao during the forecast period

GEFS Week-2 Exceedance Prob. > 25mm  
Valid: 20211227 - 20220102



High probability of rainfall to exceed 25mm in Apayao, Cagayan, Isabela, Oriental Mindoro and most parts Bicol Region, Visayas and Mindanao while less likely for the rest of the county during the forecast period.

GEFS Week-2 Exceedance Prob. > 50mm  
Valid: 20211227 - 20220102



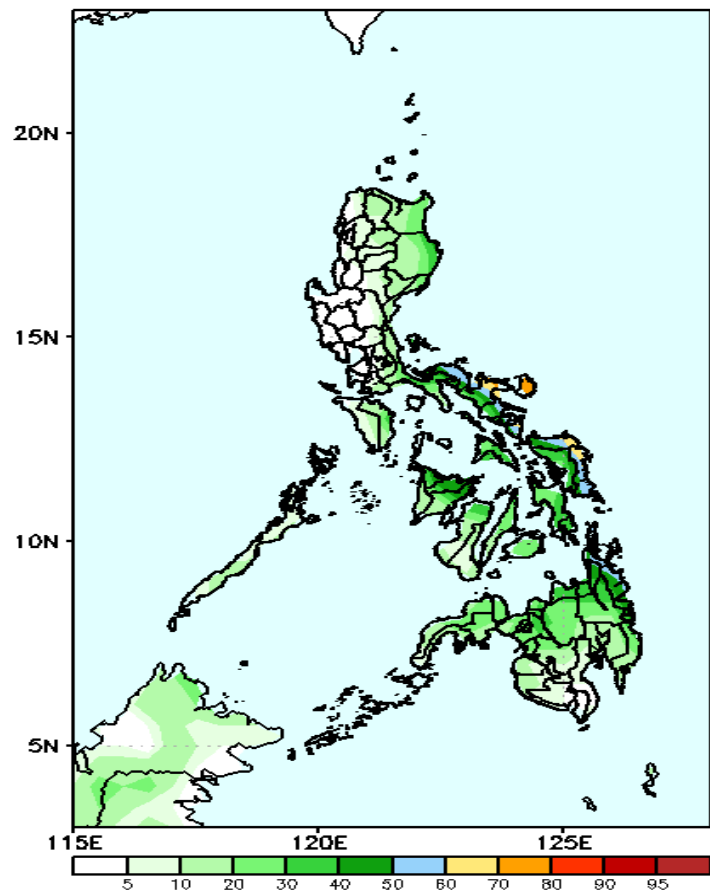
60-90% probability of rainfall to exceed 50mm in Cagayan, Isabela, Bicol Region, Eastern Visayas, Aklan, Capiz and northern & western parts of Mindanao while less likely for the rest of the county during the forecast period.



# Exceedance Probability > 100/150/200 mm

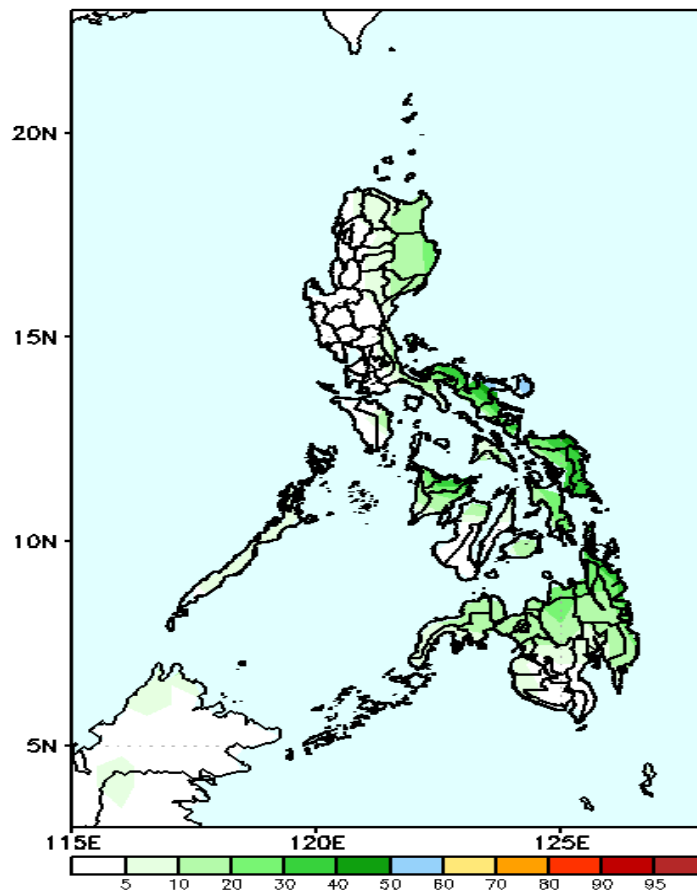
## Week 2: Dec 27-Jan 02, 2021

GEFS Week-2 Exceedance Prob. > 100mm  
Valid: 20211227 - 20220102



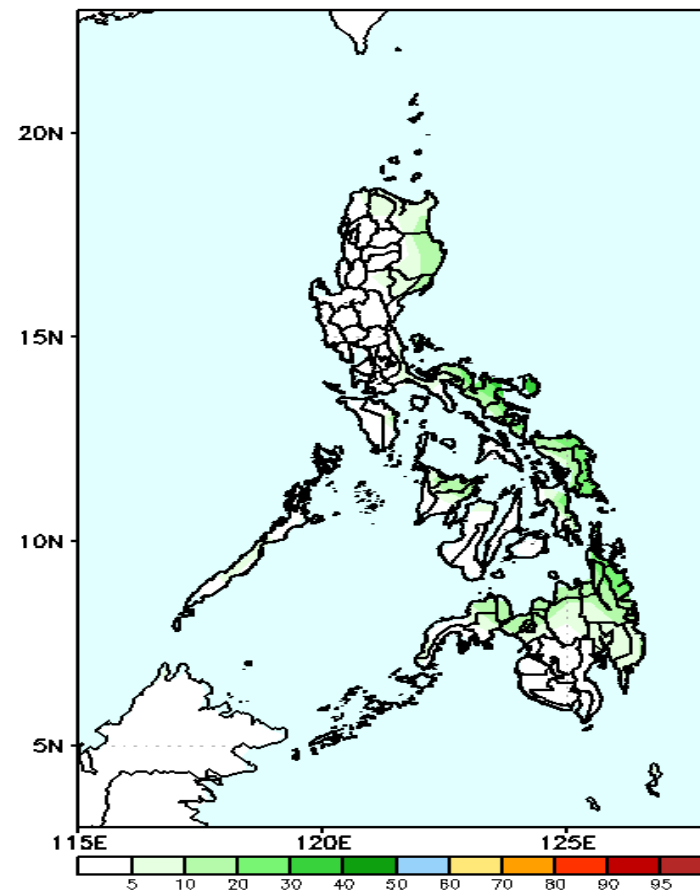
Less probability of rainfall to exceed 100mm in most parts of the country is expected during the forecast period.

GEFS Week-2 Exceedance Prob. > 150mm  
Valid: 20211227 - 20220102



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

GEFS Week-2 Exceedance Prob. > 200mm  
Valid: 20211227 - 20220102

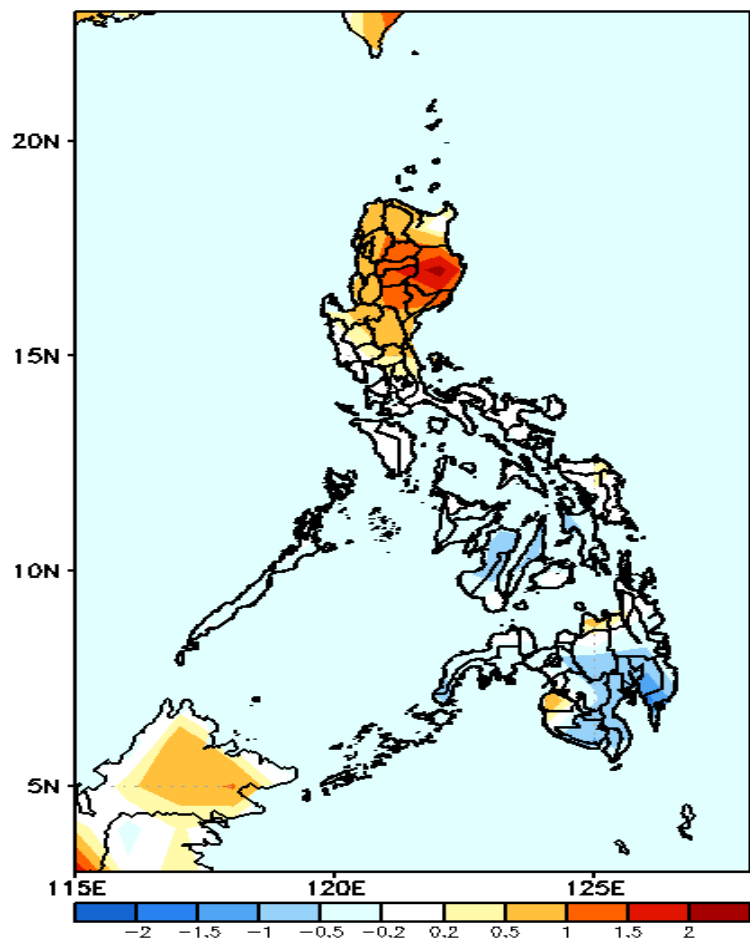


Less probability of rainfall to exceed 200mm in most parts of the country is expected during the forecast period.



# GEFS Week-1 & 2 Forecasts: T2m Anomaly

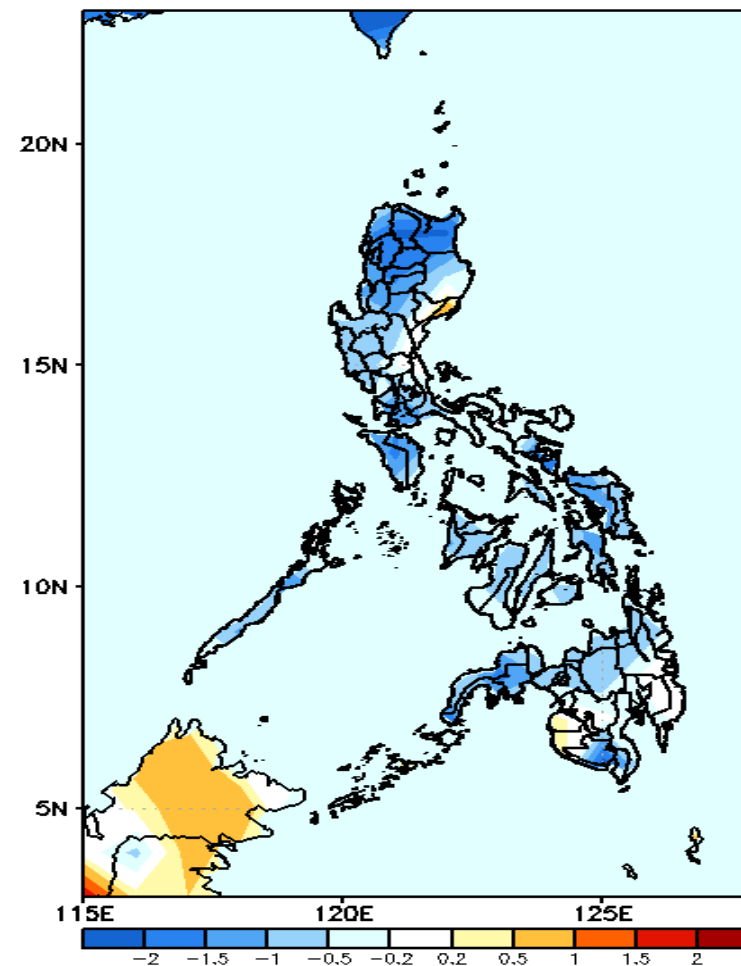
GEFS Week-1 T2m Anomaly  
Valid: 20211220 - 20211226



## 2m Temperature Week 1: Dec 20-26, 2021

Slightly warmer to warmer than average surface air temperature will likely experience in most parts of Luzon while average to slightly cooler temperature in Visayas and Mindanao during the forecast period.

GEFS Week-2 T2m Anomaly  
Valid: 20211227 - 20220102



## 2m Temperature Week 2: Dec 27-Jan 02, 2021

Slightly cooler to cooler than average surface air temperature will likely experience in most parts of the country during the forecast period.