# **CPT based Sub-Seasonal Forecasting (Philippines)**

### **NOAA's CPC International Desks**

CPT is using NCEP CFSv2 (Climate Forecast Systems V.2) forecasts. Initial condition: July 29 2020

The legend is interpreted as probability of below average rainfall for the brown shaded color and probability of above-average rainfall for green shaded color.



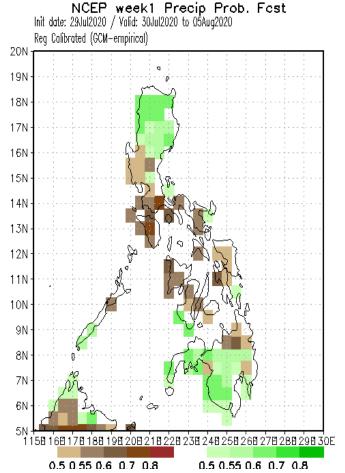


Rundate: Aug 04, 2020

Idate: July 29, 2020

#### **Week 1 Forecast**

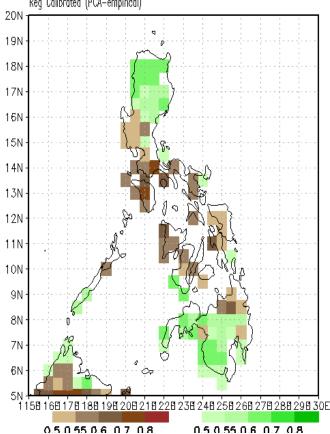
July 30-Aug 05, 2020 GCM



Probability of receiving above normal rainfall in most parts of Luzon and Mindanao is expected while southern Luzon, Visayas and CARAGA Region will likely receive below normal rainfall.

#### **PCA**

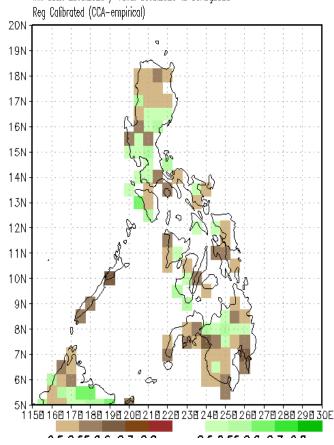
NCEP week1 Precip Prob. Fcst Init date: 29Jul2020 / Valid: 30Jul2020 to 05Aug2020 Reg Calibrated (PCA-empirical)



Probability of receiving above normal rainfall in most parts of Luzon and Mindanao is expected while southern Luzon, Visayas and CARAGA Region will likely receive below normal rainfall.

#### **CCA**

NCEP week1 Precip Prob. Fcst Init date: 29Jul2020 / Valid: 30Jul2020 to 05Auq2020

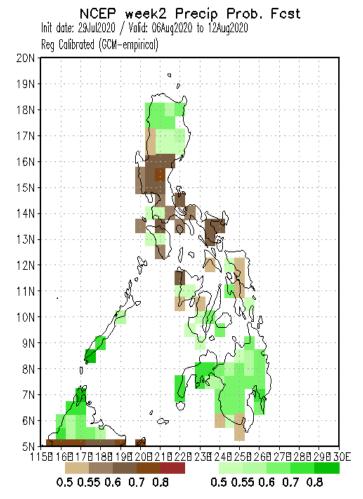


Probability of receiving below normal rainfall in most parts of the country is expected with patches of above normal rainfall in central and southern Luzon, central Visayas and in northern Mindanao.



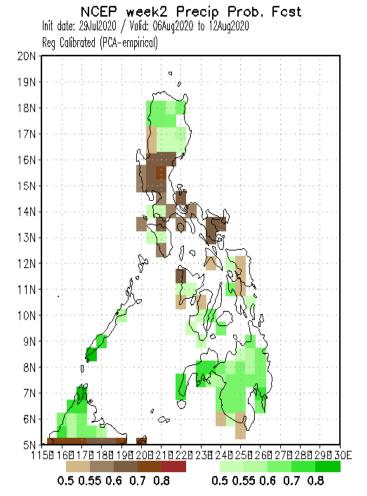
#### Idate: July 29, 2020

## Week 2 Forecast Aug 6-12, 2020 GCM



Probability of receiving above normal rainfall in northern half of Luzon and most parts of Mindanao is expected while the rest of Luzon and Visayas will likely receive below normal rainfall.

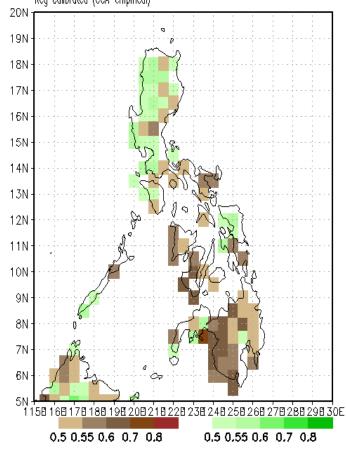
#### **PCA**



Probability of receiving above normal rainfall in northern half of Luzon and most parts of Mindanao is expected while the rest of Luzon and Visayas will likely receive below normal rainfall.

#### CCA



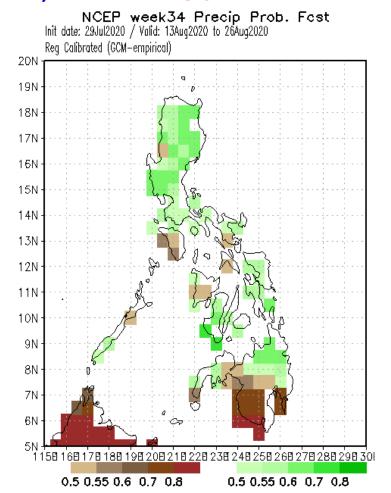


Probability of receiving below normal rainfall in most parts of Visayas and Mindanao is expected while most parts of Luzon and Samar provinces will likely receive above normal rainfall.



#### Idate: July 29, 2020

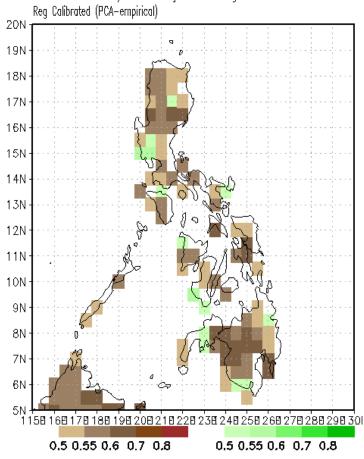
#### Week 3-4 Forecast Aug 13-26, 2020 GCM



Probability of receiving above normal rainfall in most parts of Luzon, Visayas and northern half of Mindanao is expected while the rest Mindanao will likely receive below normal rainfall.

#### **PCA**

NCEP week34 Precip Prob. Fast Init date: 29Jul2020 / Valid: 13Aug2020 to 26Aug2020 Reg Calibrated (PCA-empirical)

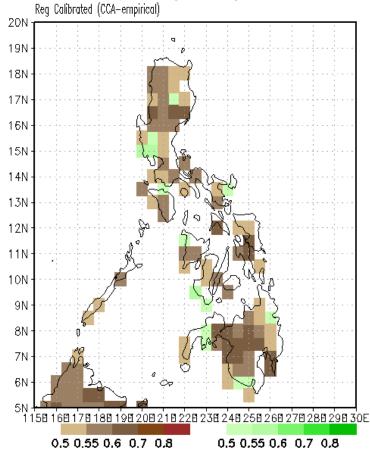


Probability of receiving below normal rainfall in most parts of the country is expected.

#### CCA

NCEP week34 Precip Prob. Fost Init date: 29Jul2020 / Valid: 13Aug2020 to 26Aug2020

Page Calibrated (CCA ampiring)



Probability of receiving below normal rainfall in most parts of the country is expected.

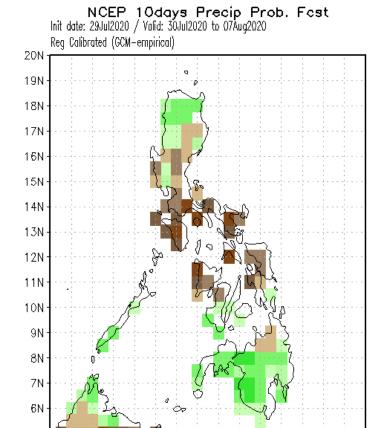




Idate: July 29, 2020

#### **10 days Forecast**

July 30-Aug 7, 2020 **GCM** 

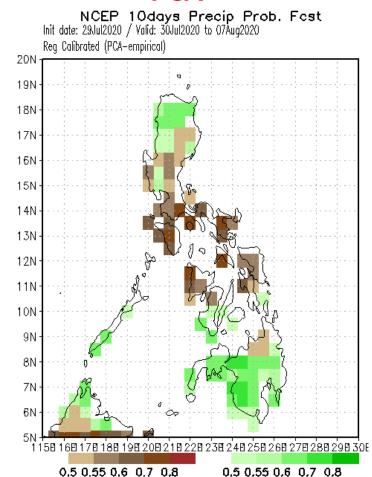


Probability of receiving above normal rainfall in northern half of Luzon and Mindanao is expected while the rest of Luzon and most parts of Visayas will likely receive below normal rainfall.

~ 1158 168 178 188 198 208 218 228 238 248 258 268 278 288 298 3

0.5 0.55 0.6 0.7 0.8

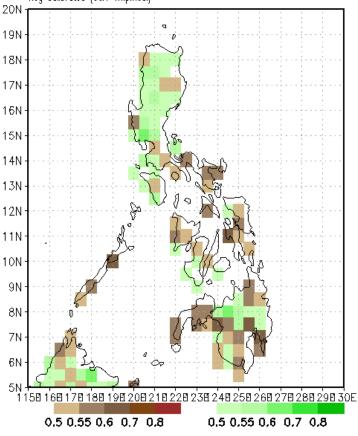
#### **PCA**



Probability of receiving above normal rainfall in northern half of Luzon and Mindanao is expected while the rest of Luzon and most parts of Visayas will likely receive below normal rainfall.

#### CCA NCEP 10days Precip Prob. Fost

Init date: 29Jul2020 / Valid: 30Jul2020 to 07Aug2020 Reg Calibrated (CCA-empirical)



Probability of receiving below normal rainfall in most parts of Visayas and Mindanao is expected while most parts of Luzon and central Mindanao will likely receive above normal rainfall.

0.5 0.55 0.6 0.7 0.8