



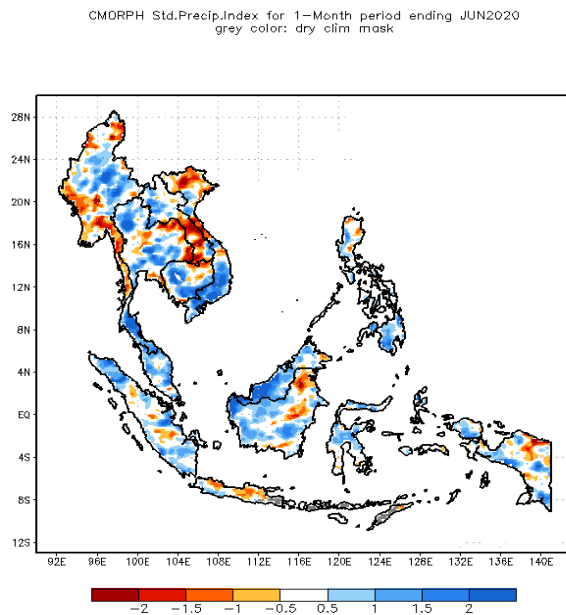
## Climate Monitoring Node – WMO-RCC-SEA – DOST-PAGASA / No. 05

### CLIMATE WATCH FINAL BULLETIN

Area Concerned: NONE

Date Issue: July 2020

Wetter than normal condition persisted in most parts of the Southeast Asia region as shown by the 1-month Standard Precipitation Index (SPI). This wetter than normal condition was consistent with 3-month normal rainfall being experienced for the period April – June 2020 in most parts of SEA region (see attached 3-month SPI). However, other parts of Southeast Asia still recorded slight to moderate rainfall deficiencies specially in Southern Myanmar, northern Vietnam and Lao PDR.



Sea surface temperatures observed for the month in the eastern equatorial Pacific were near to cooler than average ( $-0.5^{\circ}\text{C}$  to  $-1.5^{\circ}\text{C}$ ) while near to slightly warmer than average ( $0^{\circ}\text{C}$  -  $1.0^{\circ}\text{C}$ ) in the central and western equatorial Pacific.

Slightly positive SST anomalies of Indian Ocean Dipole (IOD) were observed in June but within neutral IOD levels. SSTs over the western equatorial Indian Ocean were warmer than the eastern equatorial Indian Ocean.

Inactive/non-convective phase of the Madden-Julian Oscillation (MJO) in most parts of the Maritime Continent was observed in June.

## OUTLOOK:

Drier conditions are forecast for the third week in July over parts of Myanmar, Lao PDR, and the Philippines. However, by the following week climatological probabilities are forecast for most of these regions, apart from coastal Myanmar, although the skill is low for this region two weeks out. Meanwhile, wetter conditions are still expected over the remaining parts of the Southeast Asia region with a higher chance to receive above normal rainfall.

There are some signs of an MJO over the western Indian Ocean. There is disagreement between models as to whether an MJO signal will propagate across the Indian during the end of July, although all forecast currently show the signal weakening before it reaches the Maritime Continent.

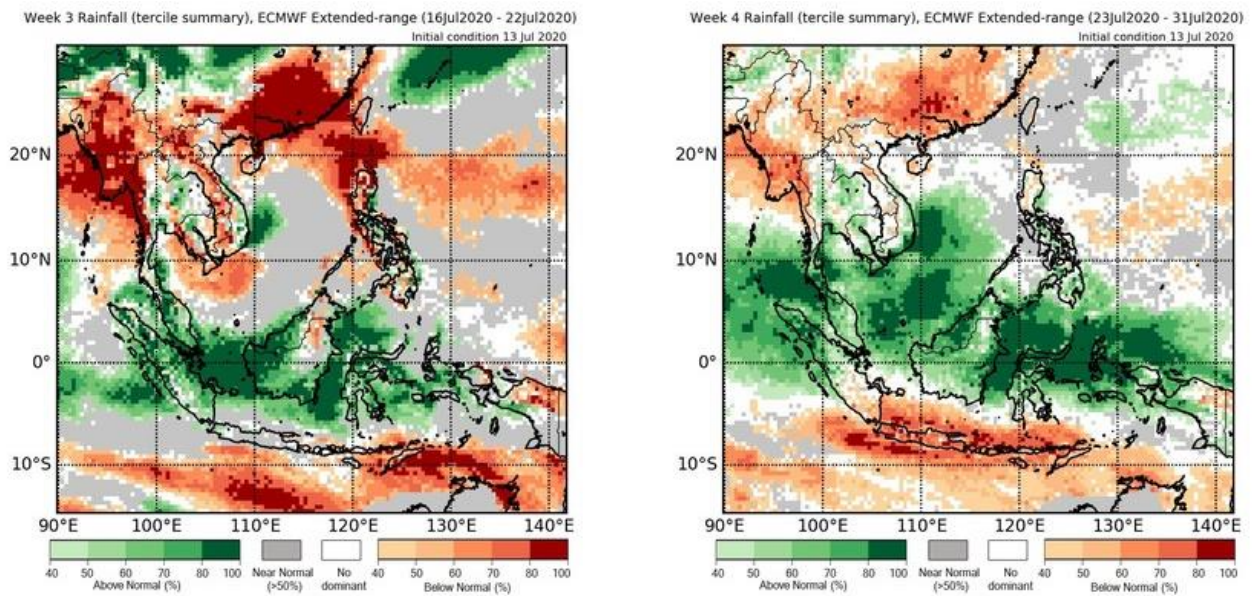


Figure 2 Rainfall tercile summary for the 16-22 July 2020 (left) and 23-31 July (right). The forecasts are based on the ECMWF run from the 13<sup>th</sup> July 2020.

## ATTACHMENTS

CMDRPH Std.Precip.Index for 3-Month period ending JUN2020  
grey color: dry clim mask

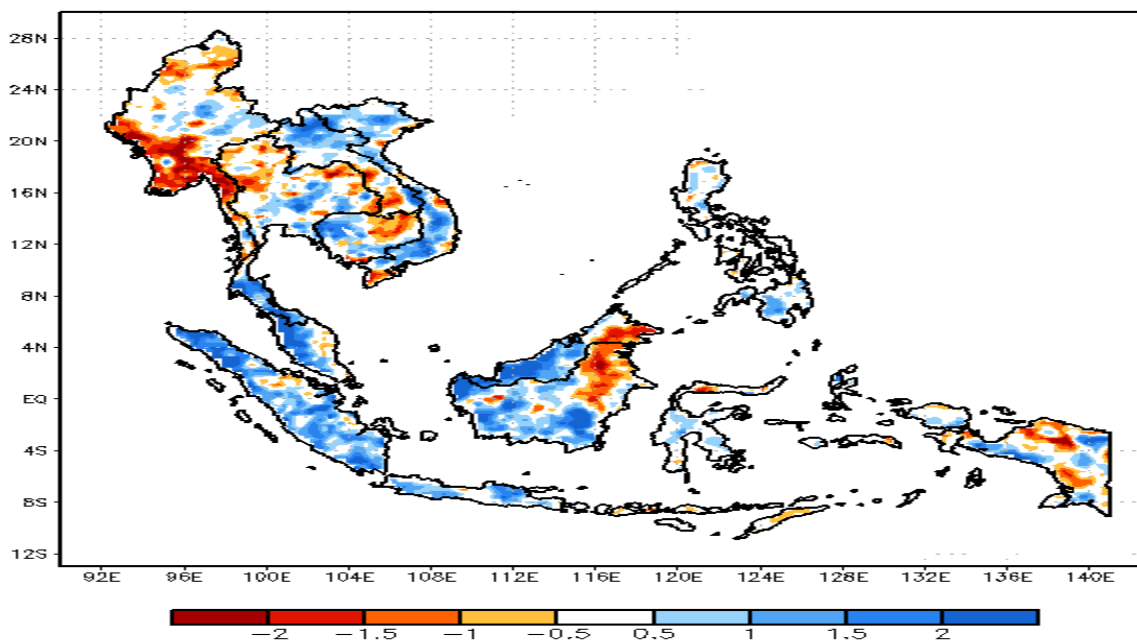
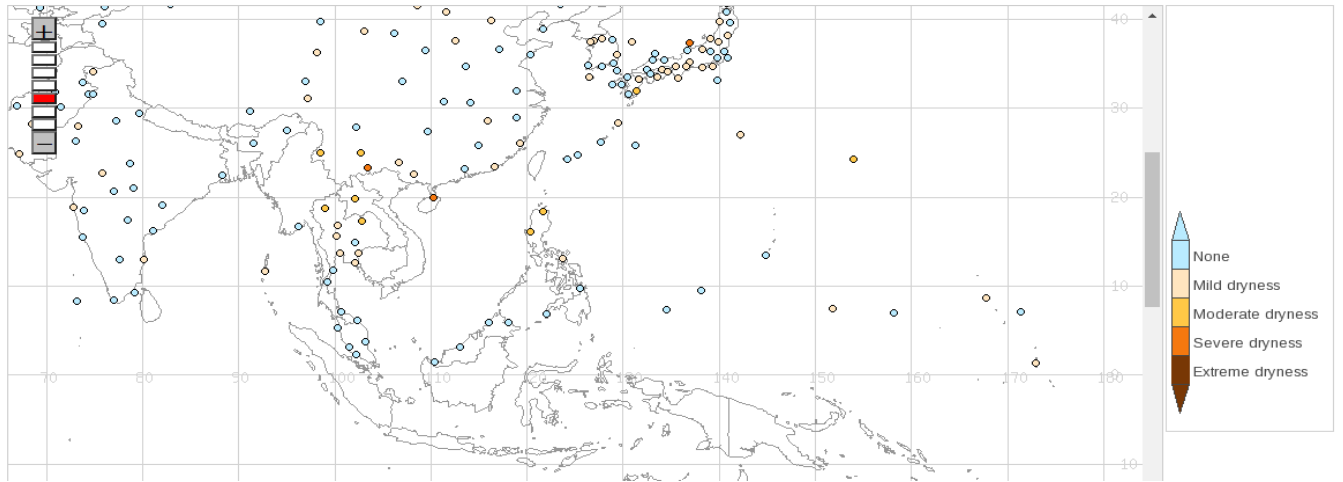


Table 1: McKee and others (1993) SPI value-classification table as recommended in World Meteorological Organization, 2012: Standardized Precipitation Index User Guide (M. Svoboda, M. Hayes and D. Wood). (WMO-No. 1090), Geneva.

Table 1. SPI values

2.0+	extremely wet
1.5 to 1.99	very wet
1.0 to 1.49	moderately wet
-.99 to .99	near normal
-1.0 to -1.49	moderately dry
-1.5 to -1.99	severely dry
-2 and less	extremely dry

2020-04 – 2020-06: [ SPI 3-month ]



JMA/TCC ClimatView Tool