



Three-month climate characteristic expectations of Thailand

June – August 2017

Issued on 29 May 2017

Thai Meteorological Department

Overview Prediction :

During the next three months, the total rain is expected to be near normal for all parts of Thailand whereas mean temperature is slightly above normal as about 29 C. Also, mean maximum and mean minimum temperatures are slightly above normal for almost all of this period as about 33 and 25 C. consecutively.

During late June until early July, the amount and distribution of rain will lessen. Thus, the dry spell will occur causing water shortage for agriculture at many areas.

Besides, in August, rain in Thailand will increase, especially at the northern, northeastern and eastern parts and the Southern Thailand (west coast). As a result, flash and forest flood may inundate at many areas.

General Climate Characteristics:

The Upper Thailand (Northern, Northeastern, Central and Eastern parts of Thailand)

During early and middle June, abundant rain appears with heavy to very heavy rain at many areas on some days, specifically at the northern and eastern parts. For wind waves around the upper portion of the Gulf of Thailand, they will be active as 2 – 3 meters high at some periods. The reason is that the southwestern monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand is rather active periodically and continuously. Additionally, a monsoon trough will place over the Upper Thailand at some periods.

Then during late June until early July, the amount and distribution of rain will reduce due to the prevailing southwestern monsoon over the Andaman Sea, Thailand and the Gulf of Thailand weakening.

During middle July until August, the amount and distribution of rain will become to increase. The reason is that the prevailing southwestern monsoon over the Andaman Sea, Thailand and the Gulf of Thailand becomes more active continuously. Furthermore, the monsoon trough will place over the Upper Thailand at some periods.

The Southern Thailand:

During the early and middle June, the Southern Thailand (specifically, the west coast) still meets abundant rain with heavy to very heavy rain at some areas. For wind waves in the Andaman Sea, they will still be active as 2 – 3 meters high while those in the Gulf of Thailand are 1 – 2 meters high. The reason is that the prevailing southwestern monsoon over the Andaman Sea and the Southern Thailand is active periodically.

Afterward, during late June till early July, the amount and distribution of rain will lessen because the prevailing southwestern monsoon over the Andaman Sea and the Southern Thailand weakens.

Then during middle July until August, the amount and distribution of rain will become to increase again since the prevailing southwestern monsoon over the Andaman Sea and the Southern Thailand becomes to be more active continuously.

***** Cautions *****

During June and July, tropical cyclones often develop at the Northwestern Pacific and move pass the Philippines toward the South China Sea. Therefore, the southwestern monsoon prevailing over Thailand and the Gulf of Thailand becomes more active influencing Thailand to meet more rain, specifically around the coastal areas of the eastern part and the Southern Thailand (west coast).

In August, tropical cyclones often develop at the Northwestern Pacific or the South China Sea. Chances are high that they will move closer toward the Upper Thailand causing Thailand to meet dense rainfall with heavy to very heavy rain at many areas. Consequently, overflowing flash or forest flood will inundate at many areas. Thus, the public should follow up the weather forecast news and warnings about tropical cyclones from the Thai Meteorological Department further.

Remarks: - Normal means average during the 30-year period (A.D. 1981 – 2010 or B.E. 2524 – 2553)

- These long range expectations are utilized by applying some climatic models and statistical methods, the public then should follow the daily weather news from the Thai Meteorological Department further.

- The next 3-month climate expectations will be at the last week of JUNE 2017.

- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: 02-398-9929 or Fax: 02-383-8827.

- Please follow monthly climate, 3-month climate and seasonal forecasts at www.tmd.go.th/en/ at the climate tab.

Climatological Center,
Meteorological Development Bureau,
Thai Meteorological Department

Rain amount (millimeters) & rainy day (days) prediction – comparing with normal:

Parts	prediction									normal					
	June 2017			July 2017			August 2017			June		July		August	
	Rain amount	Days	Comparing with normal	Rain amount	Days	Comparing with normal	Rain amount	Days	Comparing with normal	Rain amount	Days	Rain amount	Days	Rain amount	Days
Northern	140-180 mm.	16-19	Near normal	160-200 mm.	15-18	Near normal	200-250 mm.	20-23	Near normal	156.2	17.8	156.2	17.8	223.0	21.0
Northeastern	180-230 mm.	15-18	Near normal	190-230 mm.	14-17	Near normal	240-290 mm.	18-21	Near normal	203.4	16.1	203.4	16.1	266.2	19.4
Central	130-170 mm	14-17	Near normal	140-180 mm	14-17	Near normal	160-200 mm	16-19	Near normal	145.2	15.4	145.2	15.4	181.1	18.2
Eastern	240-290 mm	15-18	Near normal	250-300 mm	15-18	Near normal	280-330 mm	17-20	Near normal	261.5	16.7	261.5	16.7	302.5	18.4
Southern (East Coast)	90-130 mm	11-14	Near normal	100-140 mm	12-15	Near normal	110-150 mm	14-16	Near normal	113.0	13.7	113.0	13.7	124.1	15.4
Southern (West Coast)	290-340 mm	18-21	Near normal	310-410 mm	17-20	Near normal	350-450 mm	19-22	Near normal	312.4	18.9	312.4	18.9	398.5	20.5
Bangkok and Vicinity	140-180 mm.	15-18	Near normal	160-200 mm.	15-18	Near normal	190-230 mm.	17-20	Near normal	157.1	16.2	157.1	16.2	211.3	19.1

Mean maximum and minimum temperature (° C) prediction comparing with normal:

Parts	Expectation									Normal					
	June 2017			July 2017			August 2017			June		July		August	
	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
Northern	33-35	24-26	Slightly above normal	32-34	24-26	Slightly above normal	31-33	23-25	Slightly above normal	33.0	24.3	33.0	24.3	31.8	23.8
Northeastern	33-35	25-27	Slightly above normal	33-35	24-26	Slightly above normal	32-34	24-26	Slightly above normal	33.4	24.9	33.4	24.9	32.2	24.4
Central	34-36	25-27	Slightly above normal	33-35	25-27	Slightly above normal	33-35	25-27	Slightly above normal	34.0	25.5	34.0	25.5	33.1	25.0
Eastern	33-35	25-27	Slightly above normal	32-34	25-27	Slightly above normal	32-34	25-27	Slightly above normal	32.8	25.7	32.8	25.7	32.0	25.3
Southern (East Coast)	33-35	24-26	Slightly above normal	32-34	24-26	Slightly above normal	32-34	24-26	Slightly above normal	33.1	24.7	33.1	24.7	32.7	24.4
Southern (West Coast)	32-34	24-26	Slightly above normal	31-33	24-26	Slightly above normal	31-33	24-26	Slightly above normal	32.0	24.6	32.0	24.6	31.5	24.4
Bangkok and Vicinity	33-35	26-28	Slightly above normal	33-35	25-27	Slightly above normal	32-34	25-27	Slightly above normal	33.6	26.1	33.6	26.1	32.9	25.5