



Three-month climate characteristic expectations of Thailand

May – July 2017

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Thai Meteorological Department

Overview Prediction :

During the next 3 months, most total rain will be near normal except in May, whereas that of the central and eastern parts and the Southern Thailand will be slightly above normal around 10-20%. While more rain will firstly appear at the Southern Thailand since early May. Then, more rain will happen at the whole country from middle May onward. Since late June until early July, the amount and distribution of rain will lessen. For the mean temperature of Thailand, mean maximum and mean minimum temperature will be slightly above normal for the whole period.

Furthermore, during the first half of May, unstable weather occurs at the Upper Thailand as summer thunderstorms happening at many areas. Thus, property damages and loss of lives may occur. The public then should be cautious and prepare for the summer thunderstorms further.

General Climate Characteristics:

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

During the first half of May, unstable weather occurs while sweltering weather appears commonly with very hot weather at some areas on some days. Except at some periods, thunder rain occurs at many areas because southerly or southeasterly wind prevails over the Upper Thailand for almost all of this period.

Afterward, during middle May until late June, the amount and distribution of rain will increase with heavy to very heavy rain at some areas on some days, specifically at the central and eastern parts. While wind waves at the upper portion of the Gulf of Thailand will become more active as 2 - 3 meters high at some periods because the prevailing southerly or southeasterly wind transforms as southwestern monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand. They will be active periodically together with a monsoon trough places over the Upper Thailand at some periods.

During late June until early July, the amount and distribution of rain will reduce for the prevailing southwestern monsoon over the Andaman Sea, Thailand and the Gulf of Thailand weakens.

During middle and late July, the amount and distribution of rain will increase again due to the prevailing southwestern monsoon over the Andaman Sea, Thailand and the Gulf of Thailand becoming more active. Also, the monsoon trough will move downward to place over the Upper Thailand at some periods.

The Southern Thailand:

During May until late June, increasing rain occurs at the western coast with heavy to very heavy rain at some areas. Whereas wind waves in the Andaman Sea will become more active as 2 – 3 meters high while those in the Gulf of Thailand are 1 – 2 meters high. These result from the prevailing southwestern monsoon over the Andaman Sea and the Southern Thailand becoming active periodically.

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

Later during middle and late July, more rain will appear again due to the prevailing southwestern monsoon over the Andaman Sea and the Southern Thailand becoming more active.

*** Cautions ***

May, Some low-pressure air mass cells may develop around the Andaman Sea and may strengthen to become depressions, tropical storms or cyclones. They may move toward the western side of Thailand. As a result, more rain will occur at the western portion of both of the northern and central parts including with the Southern Thailand.

June and July, Some tropical cyclones often develop at the Northwestern Pacific and move pass the Philippines toward the South China Sea. Consequently, the prevailing southwestern monsoon over Thailand and the Gulf of Thailand will become more active influencing more rain to occur in Thailand, especially around the eastern and western coasts.

Specifically, during late June until early July. The Dry spell period often occurs. In other words, the amount and distribution of rain will greatly reduce. Thus, water shortage for agriculture happens at many areas, especially at the drought repeated areas outside irrigation zones.

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 May 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,
Ministry of Information and Communication Technology

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

Parts	prediction									normal					
	May 2017			June 2017			July 2017			May		June		July	
	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	160-200 mm.	14-17	Near normal	140-180 mm.	15-18	Near normal	140-180 mm.	15-18	Near normal	177.8	15.5	156.2	17.8	156.2	17.8
Northeastern	170-220 mm.	14-17	Near normal	180-230 mm.	14-17	Near normal	180-230 mm.	14-17	Near normal	187.1	15.3	203.4	16.1	203.4	16.1
Central	150-190 mm	13-16	Near normal	130-170 mm	14-17	Near normal	130-170 mm	14-17	Near normal	172.1	14.3	145.2	15.4	145.2	15.4
Eastern	200-250 mm	14-17	Near normal	240-290 mm	15-18	Near normal	240-290 mm	15-18	Near normal	223.9	15.8	261.5	16.7	261.5	16.7
Southern (East Coast)	120-160 mm	13-16	Near normal	90-130 mm	12-15	Near normal	90-130 mm	12-15	Near normal	143.7	14.3	113.0	13.7	113.0	13.7
Southern (West Coast)	280-330 mm	18-21	Near normal	280-330 mm	17-20	Near normal	280-330 mm	17-20	Near normal	310.1	19.9	312.4	18.9	312.4	18.9
Bangkok and Vicinity	220-270 mm.	15-18	Near normal	140-180 mm.	15-18	Near normal	140-180 mm.	15-18	Near normal	247.7	16.2	157.1	16.2	157.1	16.2

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

Parts	Expectation									Normal					
	May 2017			June 2017			July 2017			May		June		July	
	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	34-36	24-26	Slightly above normal	33-35	24-26	Slightly above normal	33-35	24-26	Slightly above normal	34.7	24.2	33.0	24.3	33.0	24.3
Northeastern	34-36	25-27	Slightly above normal	33-35	25-27	Slightly above normal	33-35	25-27	Slightly above normal	34.4	24.8	33.4	24.9	33.4	24.9
Central	35-37	26-28	Slightly above normal	34-36	25-27	Slightly above normal	34-36	25-27	Slightly above normal	35.2	25.7	34.0	25.5	34.0	25.5
Eastern	34-36	26-28	Slightly above normal	33-35	25-27	Slightly above normal	33-35	25-27	Slightly above normal	33.7	25.8	32.8	25.7	32.8	25.7
Southern (East Coast)	33-35	25-27	Slightly above normal	33-35	24-26	Slightly above normal	33-35	24-26	Slightly above normal	33.5	24.9	33.1	24.7	33.1	24.7
Southern (West Coast)	33-35	24-26	Slightly above normal	32-34	24-26	Slightly above normal	32-34	24-26	Slightly above normal	32.7	24.6	32.0	24.6	32.0	24.6
Bangkok and Vicinity	34-36	26-28	Slightly above normal	33-35	26-28	Slightly above normal	33-35	26-28	Slightly above normal	34.4	26.3	33.6	26.1	33.6	26.1