



Three-month climate characteristic expectations of Thailand

April – June 2017

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Thai Meteorological Department

Overview Prediction :

During the next three months, mean maximum temperature of Thailand is expected to be slightly above normal almost all of this period. Specifically, April is the hottest month as the extreme maximum temperature may reach 42 – 43 C. Moreover, mean maximum temperature around northern and central parts is about 37 – 39 C. while that of northeastern part is about 36 – 38 C. However, mean maximum temperature of eastern part and the Southern Thailand is about 34 – 36 C.

For rain amount in April, the total rain is mostly slightly above normal. Afterward, the total rain is near normal. Firstly, rain will occur at the Southern Thailand during late April and later at the Upper Thailand around middle May.

Furthermore, during April until middle May, summer thunderstorms often develop at many areas, especially around the Upper Thailand. In other words, thunder rain, gusty wind and hail often occur at many areas. These events possibly cause loss of life and property damages. As a result, the public should prepare for these summer thunderstorms further.

General Climate Characteristics:

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

During April until middle May, sweltering weather happens commonly with very hot weather at some areas on some days. Extreme maximum temperature may reach 42 – 43 C. Otherwise, thunder rain occurs at many areas during some periods helping reduce some heat together with southerly or southeasterly wind still prevails over the Upper Thailand almost all of this period. In addition, some heat low-pressure air mass cells will develop at the Upper Thailand at some periods. Then 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 western portion of the northern, central and eastern parts. For wind waves at the upper portion of the Gulf of Thailand, they will be more active as 2 – 3 meters high at some periods. These result from the southerly or southeasterly wind prevailing over the Upper Thailand transforms to become southwestern monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand. Additionally, a monsoon trough may place over the Upper Thailand at some periods. During late June, the amount and distribution of rain will lessen because the southwestern monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand weakens.

The Southern Thailand:

During the beginning and middle of April, rainfall distribution is still 20 – 30% of Thailand together with hot weather appears at some areas on some days. For wind waves at the Gulf of Thailand and the Andaman Sea, they are about 1 meter high due to the easterly or southeasterly wind prevailing over the Gulf of Thailand and the Southern Thailand almost all of this period. Later, during late April till late June, increasing rain occurs at the Southern Thailand, especially at the western coast along with heavy to very heavy rain at some areas. Also, wind waves at the Andaman Sea will become more active as 2 – 3 meters high whereas those at the Gulf of Thailand are approximately 1 meter high. These result from the easterly or southeasterly wind prevailing over the Gulf of Thailand and the Southern Thailand transforms to become the southwestern monsoon prevailing over the Andaman Sea and the Southern Thailand. During late June, the

amount and distribution of rain will reduce because of the weakening southwest monsoon prevailing over the Andaman Sea and the Southern Thailand.

***** Cautions *****

In April, summer thunderstorms often happen as thunder rain, gusty wind and sometimes hail at some areas possibly causing property and crop damages.

During late April and May, low-pressure air mass cells may develop at the Andaman Sea and strengthen to become depressions, tropical storms or cyclones. They may move nearer toward the western portion of Thailand influencing the western portions of the northern and central parts including with the Southern Thailand to face up with more rain.

In June, tropical cyclones often develop at the western portion of the Northwestern Pacific and may move pass the Philippines toward the South China Sea influencing the southwestern monsoon prevailing over Thailand and the Gulf of Thailand to become more active. Consequently, more rain occurs in Thailand, specifically at the coastal area of the eastern part and the western coast of the Southern Thailand. The public then should follow up the weather forecast news from the Thai Meteorological Department closely.

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 April 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					
	April 2017			May 2017			June 2017			April		May		June	
	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	70-100 mm.	7-10	Slightly Above normal	160-200 mm.	14-17	Near normal	140-180 mm.	15-18	Near normal	71.3	7.0	177.8	15.5	156.2	17.8
Northeastern	80-110 mm.	8-11	Slightly Above normal	170-220 mm.	14-17	Near normal	180-230 mm.	14-17	Near normal	86.3	8.0	187.1	15.3	203.4	16.1
Central	80-110 mm	7-10	Slightly Above normal	150-190 mm	13-16	Near normal	130-170 mm	14-17	Near normal	79.5	6.4	172.1	14.3	145.2	15.4
Eastern	100-140 mm	8-11	Slightly Above normal	200-250 mm	14-17	Near normal	240-290 mm	15-18	Near normal	98.9	8.3	223.9	15.8	261.5	16.7
Southern (East Coast)	70-100 mm	7-10	Slightly Above normal	120-160 mm	13-16	Near normal	90-130 mm	12-15	Near normal	75.4	7.3	143.7	14.3	113.0	13.7
Southern (West Coast)	160-200 mm	12-14	Slightly Above normal	280-330 mm	18-21	Near normal	280-330 mm	17-20	Near normal	160.6	12.7	310.1	19.9	312.4	18.9
Bangkok and Vicinity	90-120 mm.	6-8	Slightly Above normal	220-270 mm.	15-18	Near normal	140-180 mm.	15-18	Near normal	91.4	6.5	247.7	16.2	157.1	16.2

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

Parts	Expectation									Normal					
	April 2017			May 2017			June 2017			April		May		June	
	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	37-39	24-26	Slightly above normal	34-36	24-26	Slightly above normal	33-35	24-26	Slightly above normal	37.1	23.4	34.7	24.2	33.0	24.3
Northeastern	36-38	25-27	Slightly above normal	34-36	25-27	Slightly above normal	33-35	25-27	Slightly above normal	36.1	24.5	34.4	24.8	33.4	24.9
Central	37-39	26-28	Slightly above normal	35-37	26-28	Slightly above normal	34-36	25-27	Slightly above normal	37.0	25.8	35.2	25.7	34.0	25.5
Eastern	35-37	26-28	Slightly above normal	34-36	26-28	Slightly above normal	33-35	25-27	Slightly above normal	34.7	25.9	33.7	25.8	32.8	25.7
Southern (East Coast)	34-36	25-27	Slightly above normal	33-35	25-27	Slightly above normal	33-35	24-26	Slightly above normal	33.7	24.6	33.5	24.9	33.1	24.7
Southern (West Coast)	34-36	24-26	Slightly above normal	33-35	24-26	Slightly above normal	32-34	24-26	Slightly above normal	34.2	24.4	32.7	24.6	32.0	24.6
Bangkok and Vicinity	35-37	26-28	Slightly above normal	34-36	26-28	Slightly above normal	33-35	26-28	Slightly above normal	35.4	26.9	34.4	26.3	33.6	26.1