MINISTRY OF DIGITAL ECONOMY AND SOCIETY,
THAI METEOROLOGICAL DEPARTMENT

3-month Climate Prediction of Thailand

During May – July 2025

Issued on 29 April 2025

Thailand climate for February – March - April from 30-year normal (A.D. 1991 - 2020 or B.E. 2534 - 2563 baseline average)

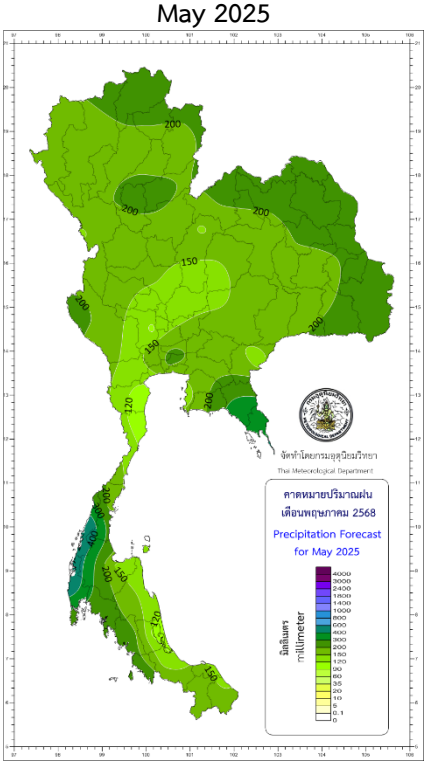
May : As being the transitional period from the summer to the rainy seasons, the common weather during the 1st half of this month is usually sweltering. Also, thunder rain storms and summer thunderstorms occur often. Sometimes, hail happens too. And from the influential heat low-pressure air mass cells, mostly at the 2nd half of this month as the start of the rainy season, temperature will reduce with increasing rain. In other words, the prevailing wind over Thailand will start to transform into southwest monsoon while the low-pressure trough placing over Malaysia moves upward to place over the Southern Thailand and the central part of Thailand consecutively. Besides, some tropical cyclones developing in the Andaman Sea and the Bay of Bengal may move near or toward the western side of Thailand further.

June : Usually, rainfall is abundant during the 1st half of this month from the influential Southwest Monsoon prevailing over Thailand together with the low-pressure trough placing over the central portion of Thailand. Afterward, rain will reduce and dry spell may occur for 1 - 2 weeks especially around the Upper Thailand due to the low-pressure trough moving upward to place over the southern portion of China including with the prevailing Southwest Monsoon over Thailand weakening. Additionally, some tropical cyclones from the Pacific Ocean or the South China Sea may feasibly move near or toward Thailand, specifically at the eastern portion of Thailand.

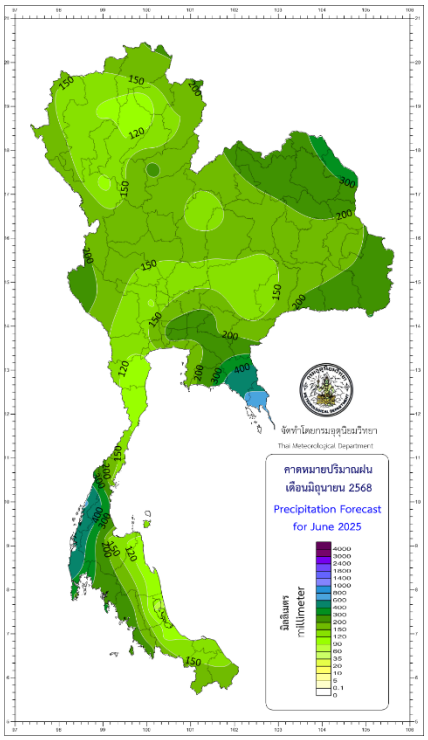
July : During the 1st half of this month, the dry spell will often occur continuously from late June because the low-pressure trough still prevails over the southern portion of China along with the Southwest Monsoon prevailing over Thailand mostly weakens. As a result, many areas will meet little or no rain continuously for many days. Later during the 2nd half of this month, abundant rainfall will happen again because of the coming back low-pressure trough moving downward to place over the Upper Thailand together with the Southwest Monsoon prevailing over Thailand becoming more active periodically. Additionally, some tropical cyclones may move near or toward Thailand along the eastern portion of Thailand.

Precipitation (mm/month) and Anomaly (mm/month) Forecast:

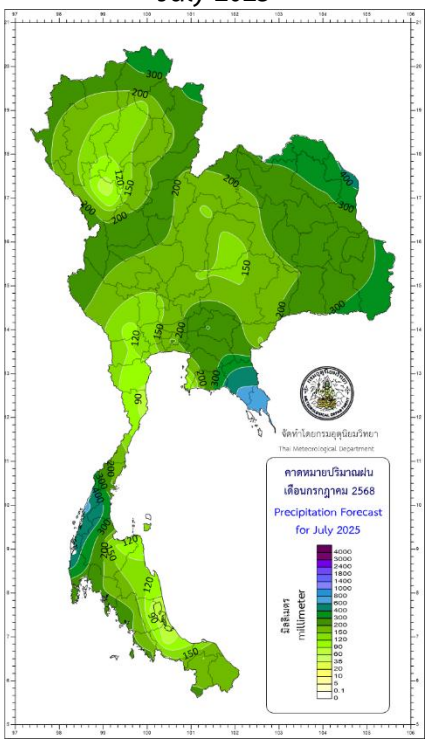
Precipitation forecast for May 2025



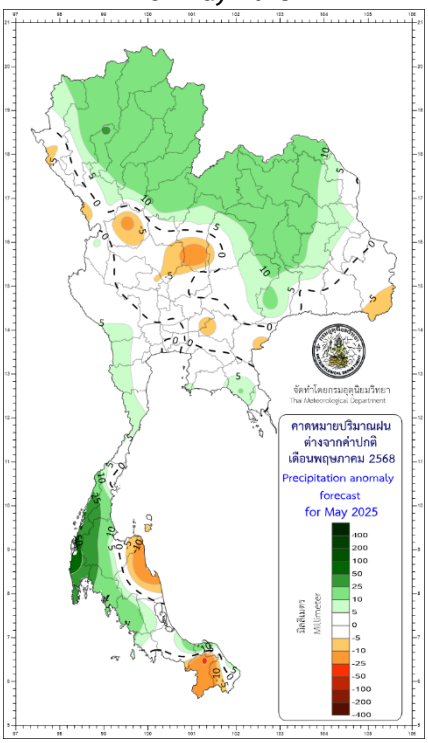
Precipitation forecast for June 2025



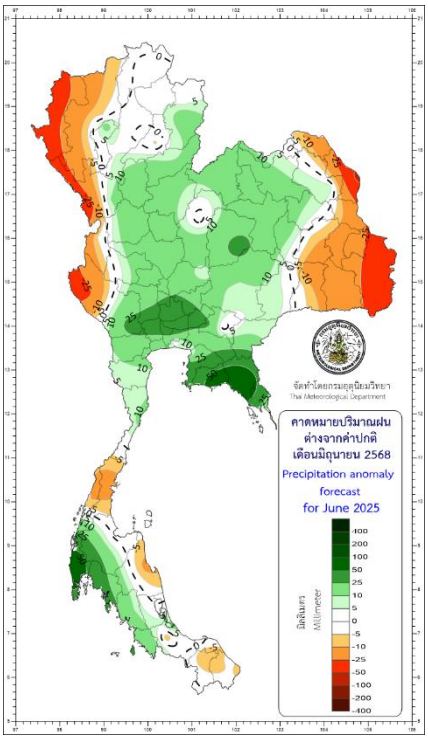
Precipitation forecast for July 2025



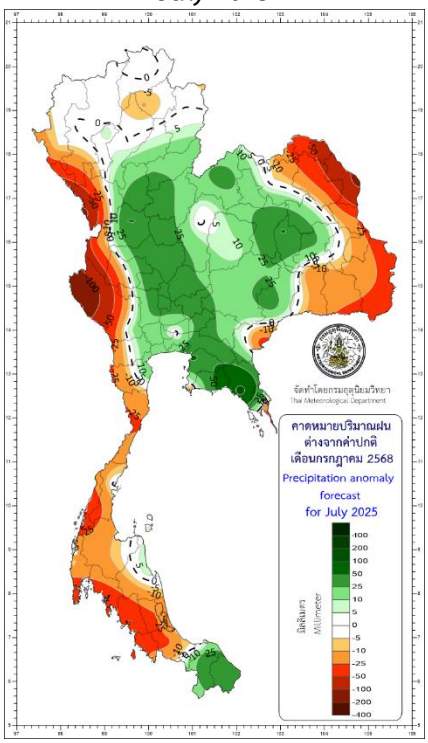
Precipitation anomaly forecast For May 2025



Precipitation anomaly forecast for June 2025

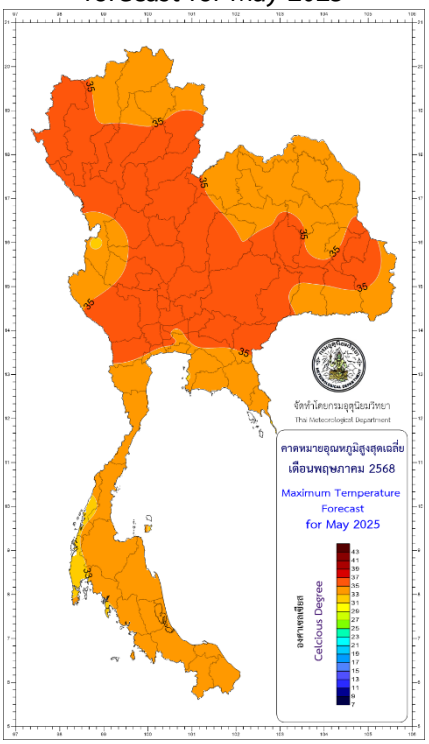


Precipitation anomaly forecast for July 2025

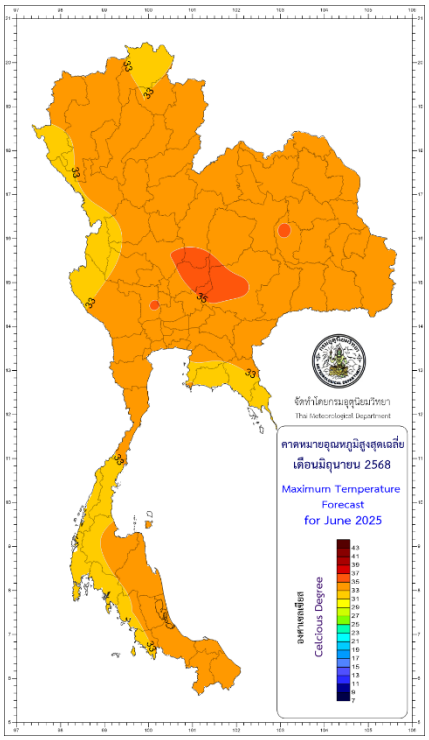


Mean Maximum Temperature (°C) and Anomaly (°C) Forecast:

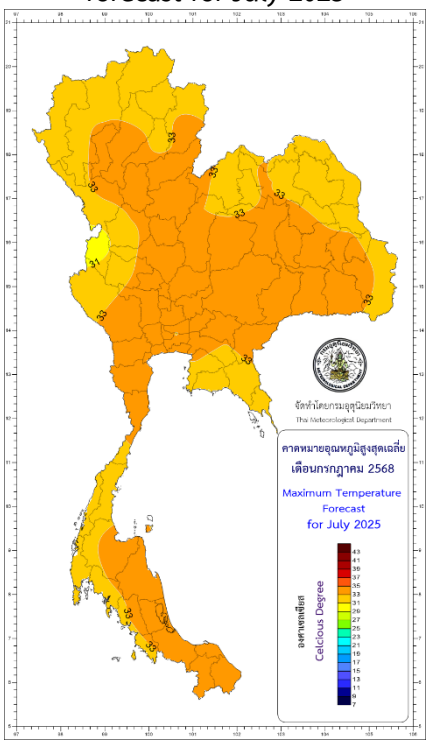
Mean maximum temperature forecast for May 2025



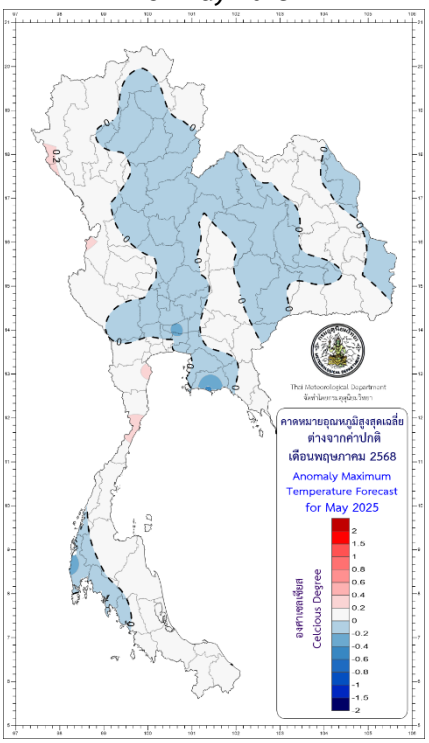
Mean maximum temperature forecast for June 2025



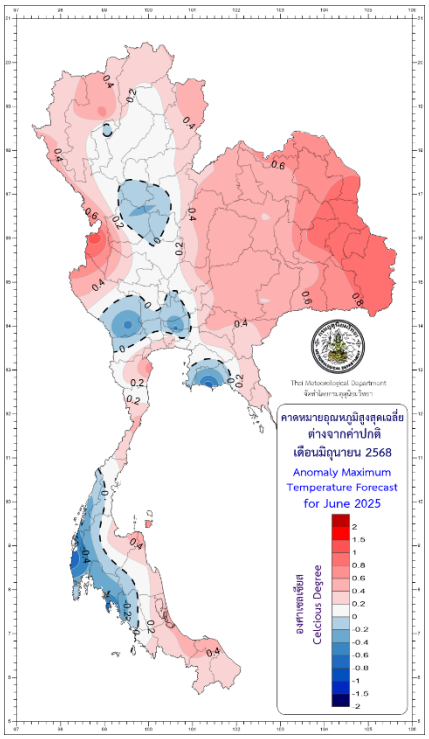
Mean maximum temperature forecast for July 2025



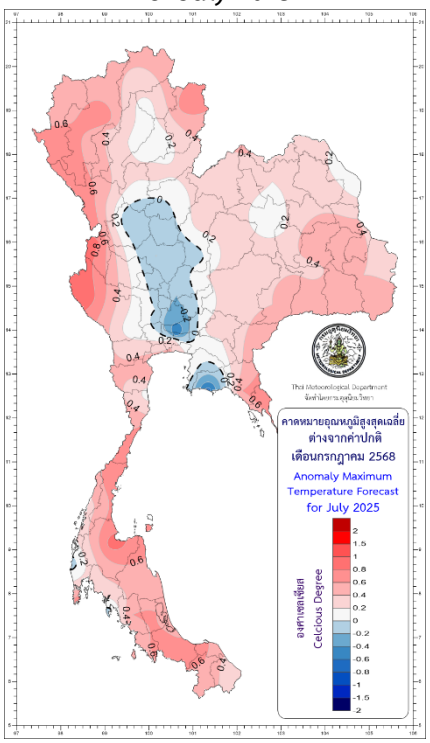
Mean maximum temperature anomaly forecast for May 2025



Mean maximum temperature anomaly forecast for June 2025

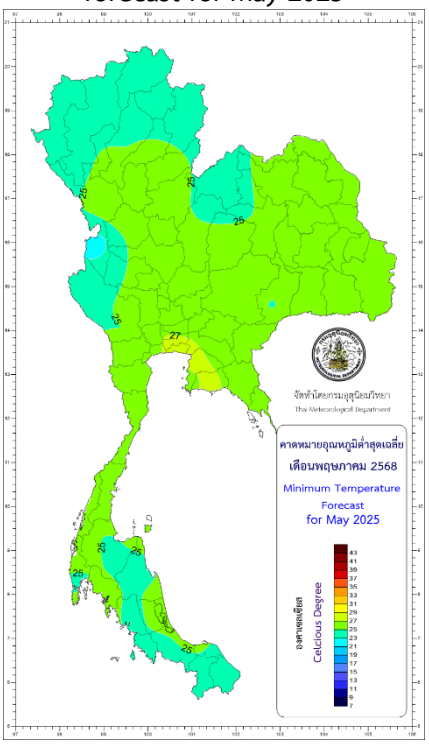


Mean maximum temperature anomaly forecast for July 2025

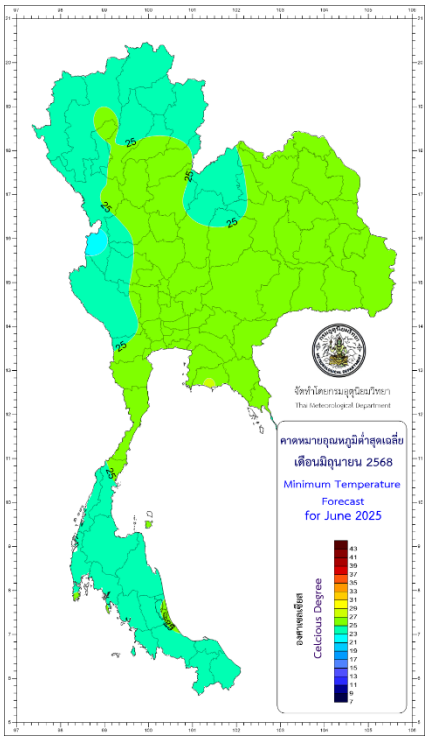


Mean Minimum Temperature (°C) and Anomaly (°C) Forecast:

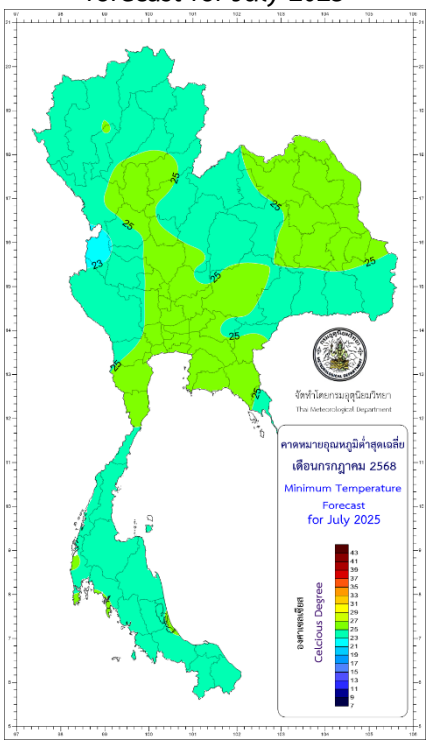
Mean minimum temperature forecast for May 2025



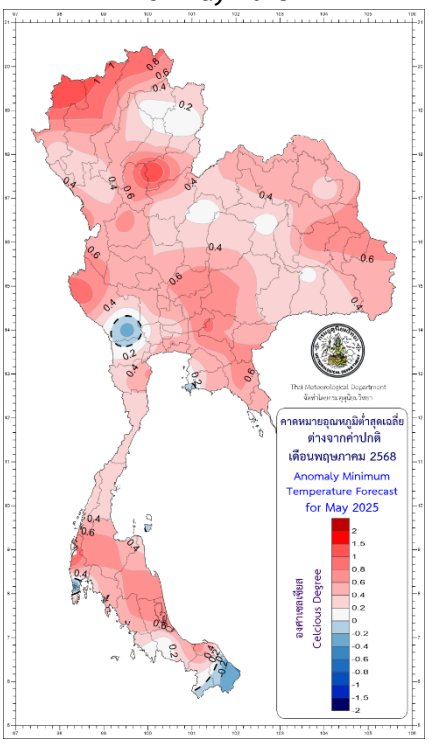
Mean minimum temperature forecast for June 2025



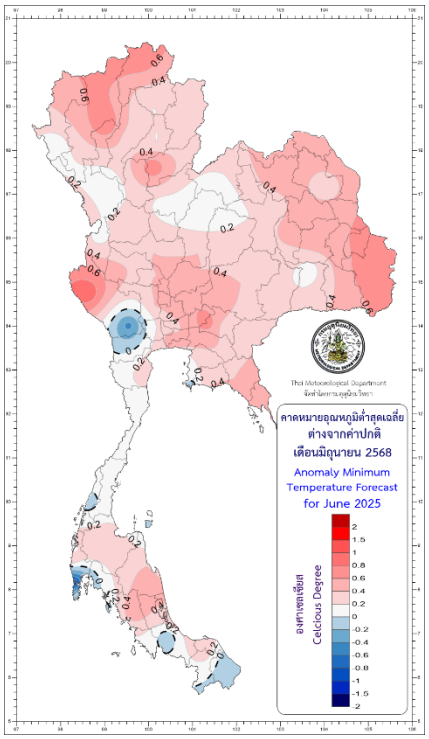
Mean minimum temperature forecast for July 2025



Mean minimum temperature anomaly forecast for May 2025



Mean minimum temperature anomaly forecast for June 2025



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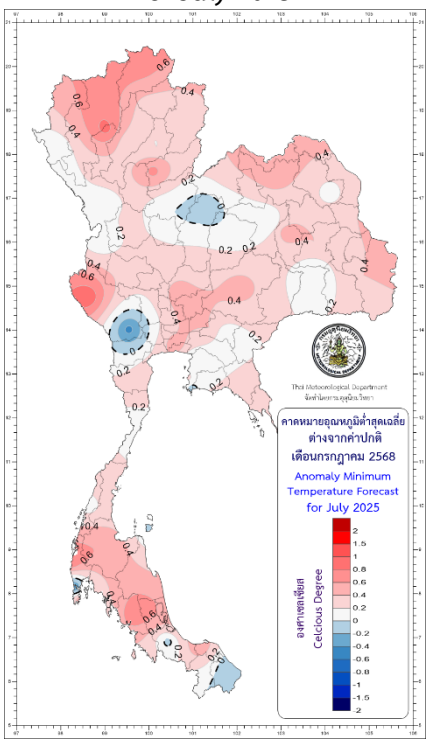

*** Caution: ***

During May 2025: Some low-pressure air mass cells may develop around the Andaman Sea. Then, they may strengthen to become depressions or tropical cyclones further. Their movements are toward the western side of Thailand. Thus, the western portions of both of the northern and central parts including with the Southern Thailand will meet more rainfall.

During June & July 2025: Frequently, some tropical cyclones will develop at the Western Pacific and move pass the Philippines toward the South China Sea. This influences the Southwest Monsoon prevailing over Thailand and the Gulf of Thailand to strengthen causing Thailand to meet more rainfall, specifically around the coastal areas of the eastern part and the Southern Thailand (west coast).

During late June until early July 2025: Often, dry spell will occur as the amount and distribution of rainfall reduces immensely. Consequently, water shortage for agricultural.

Below right Image source:
https://www.researchgate.net/figure/Study-area-the-Indochina-Peninsula-in-Monsoon-Southeast-Asia_fig5_296329477

The below Image illustrates 7 parts of Thailand with seasons and Monsoons or wind:

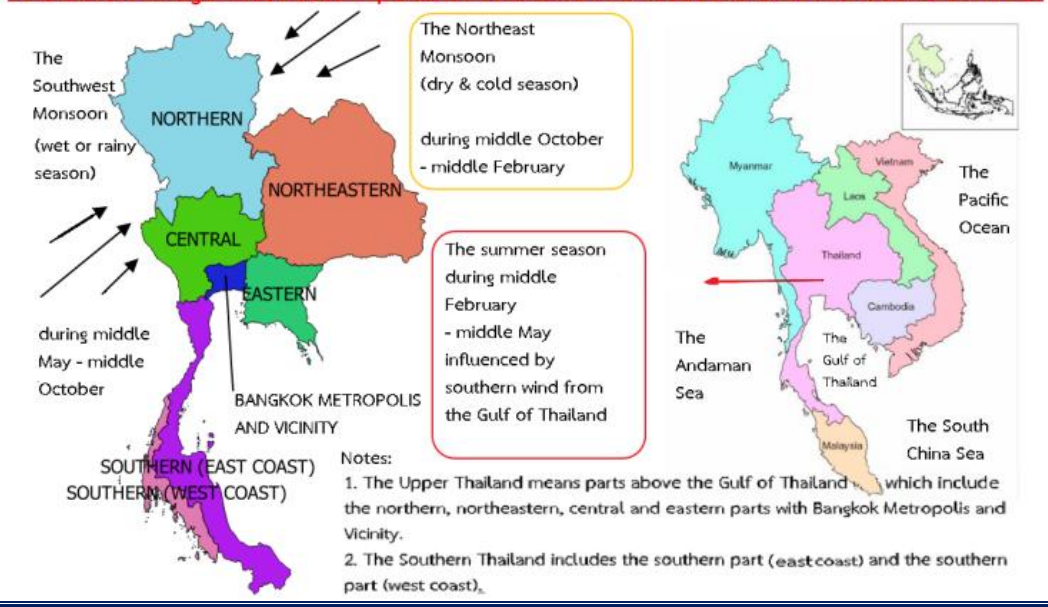

Table 1: Prediction of Rain (mm = millimeters), Rainy Days (days) and comparing with normal

Part	Prediction									Normal (Baseline period: 1991-2020)					
	May 2025			June 2025			July 2025			May		June		July	
	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Rain (mm)	Rainy Days	Rain (mm)	Rainy Days
Northern	160-200	14-16	5 % Above normal	130-170	16-18	Near normal	170-210	19-21	Near normal	173.3	14.9	153.3	17.2	189.6	19.6
Northeastern	180-220	14-16	5 % Above normal	180-220	15-17	Near normal	220-270	17-19	Near normal	191.5	15.0	198.8	15.7	242.8	17.9
Central	130-170	13-15	Near normal	130-170	14-16	10 % Above normal	140-180	16-18	5 % Above normal	147.2	14.0	133.6	15.3	152.1	16.9
Eastern	180-220	14-16	Near normal	260-310	16-18	10 % Above normal	280-330	17-19	5 % Above normal	205.3	15.0	259.1	17.1	289.0	17.6
Southern Thailand (East Coast)	110-150	13-15	Near normal	100-140	13-15	Near normal	100-140	14-16	Near normal	132.6	13.4	118.7	13.8	119.6	14.8
Southern Thailand (West Coast)	300-360	19-21	10 % Above normal	340-400	18-20	10 % Above normal	290-350	19-21	10% Below normal	300.6	19.6	335.5	18.8	349.4	19.6
Bangkok Metropolis and Vicinity	190-230	14-16	Near normal	190-240	15-17	10 % Above normal	170-210	16-18	5 % Above normal	207.1	15.0	195.8	16.4	183.4	17.2

Table 2 : Prediction of Mean Maximum Temperature (Tmax) comparing with normal:

Part	Prediction						Normal (Baseline period: 1991-2020)*		
	May 2025		June 2025		July 2025		May	June	July
	Mean Tmax	Comparing with Normal	Mean Tmax	Comparing with Normal	Mean Tmax	Comparing with Normal	Mean Tmax	Mean Tmax	Mean Tmax
Northern	34-36	Near normal	33-35	Above normal	32-34	Above normal	35.2	33.4	32.4
Northeastern	34-36	Near normal	33-35	Above normal	32-34	Above normal	34.9	33.8	32.8
Central	35-37	Near normal	33-35	Near normal	33-35	Near normal	35.9	34.5	33.6
Eastern	33-35	Near normal	32-34	Near normal	32-34	Near normal	34.0	33.0	32.4
Southern (East Coast)	33-35	Near normal	33-35	Above normal	33-35	Above normal	33.9	33.4	33.0
Southern (West Coast)	32-34	Below Normal	31-33	Below Normal	31-33	Near normal	32.9	32.1	31.8
Bangkok and Vicinity	34-36	Near normal	33-35	Near normal	32-34	Near normal	35.0	34.0	33.4

Table 3 : Prediction of Mean Minimum Temperature (Tmin) comparing with normal:

Part	Prediction						Normal (Baseline period: 1991-2020)*		
	May 2025		June 2025		July 2025		May	June	July
	Mean Tmin	Comparing with Normal	Mean Tmin	Comparing with Normal	Mean Tmin	Comparing with Normal	Mean Tmin	Mean Tmin	Mean Tmin
Northern	24-26	Above normal	24-26	Above normal	24-26	Above normal	24.4	24.5	24.2
Northeastern	25-27	Above normal	25-27	Above normal	24-26	Above normal	25.0	25.1	24.7
Central	25-27	Above normal	25-27	Above normal	24-26	Above normal	25.5	25.1	24.8
Eastern	25-27	Above normal	25-27	Above normal	25-27	Near normal	26.1	25.8	25.5
Southern (East Coast)	25-27	Above normal	24-26	Near normal	24-26	Above normal	24.9	24.7	24.4
Southern (West Coast)	24-26	Above normal	24-26	Near normal	24-26	Above normal	24.9	24.7	24.5
Bangkok and Vicinity	26-28	Above normal	26-28	Above normal	26-28	Above normal	26.7	26.3	26.1

Remarks: - * Normal means average during the 30-year period (A.D. 1991 – 2020 or B.E. 2534 – 2563).

- This long-range climate forecast is created by applying some climate models and statistical methods, the public then should follow the daily weather forecast news from the Thai Meteorological Department for more accuracy further.
- The next 3-month climate forecast will be published online before the end of December 2025.
- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: (662)-398-9929 or Fax: (662)-383-8827

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