



MINISTRY OF DIGITAL ECONOMY AND SOCIETY,  
THAI METEOROLOGICAL DEPARTMENT

## 3-month Climate Prediction of Thailand

During February – April 2025

Issued on 29 January 2025

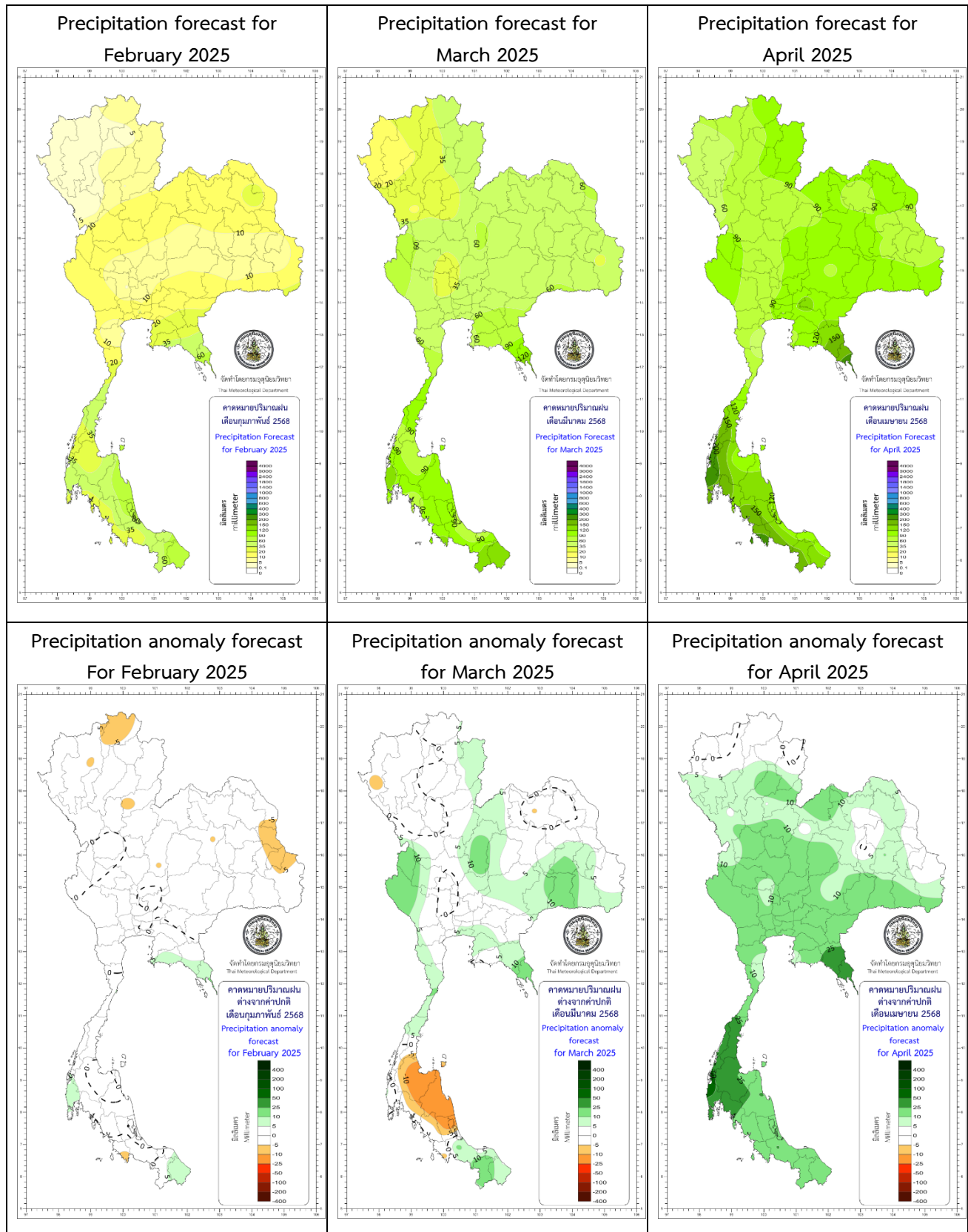
### Thailand climate for February – March – April from 30-year normal (A.D. 1991 - 2020 or B.E. 2534 - 2563 baseline average)

**February** Normally, this month is during the transition period from the winter to the summer. In other words, the high-pressure air mass areas prevailing over Thailand will start to weaken. Still, common weather of Thailand is still to be cool with morning fog whereas that of the northern and northeastern parts is still cold to very cold at some areas, mostly during the 1<sup>st</sup> half of this month. Afterward, rising temperature occurs due to prevailing hotly southerly wind replacing the northeastern monsoon. Thus, the start of the summer appears since the middle of this month onward. Furthermore, rain at the Southern Thailand will be less than that of the past month, especially at the East Coast.

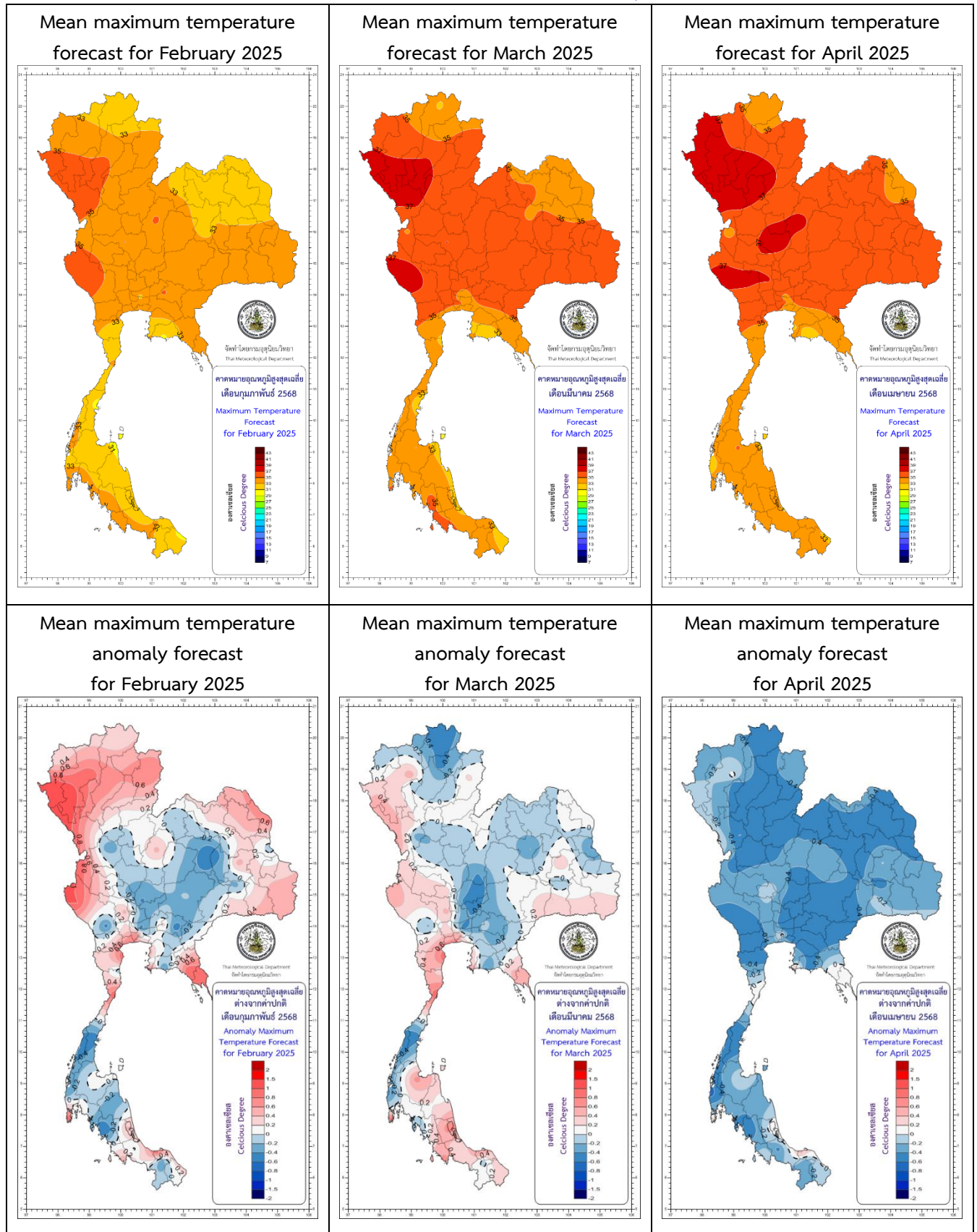
**March** Sweltering and dry weather with little humidity appears along with very hot weather on some days, specifically at the Upper Thailand due to mostly prevailing southerly wind over Thailand. However, at some periods, coldly high-pressure air masses from China will meet hot air masses already prevailing over Thailand. This brings about summer thunderstorms, specifically around the Upper Thailand. The summer thunderstorms often occur during short duration and at narrow areas. Commonly, severely gusty wind often appears too and feasibly causes damages to life and property.

**April** This is the most sweltering month for the whole year, especially around the Upper Thailand. Often, hot to very hot weather occurs together with low-pressure air mass cells along with more heat prevailing over the Upper Thailand. The reason is that this month is at the duration of the Sun radiates perpendicularly to the plane of Thailand. As a result, summer thunderstorms occur influencing the rain amount of this month to increase more than that of the past month in every part of Thailand.

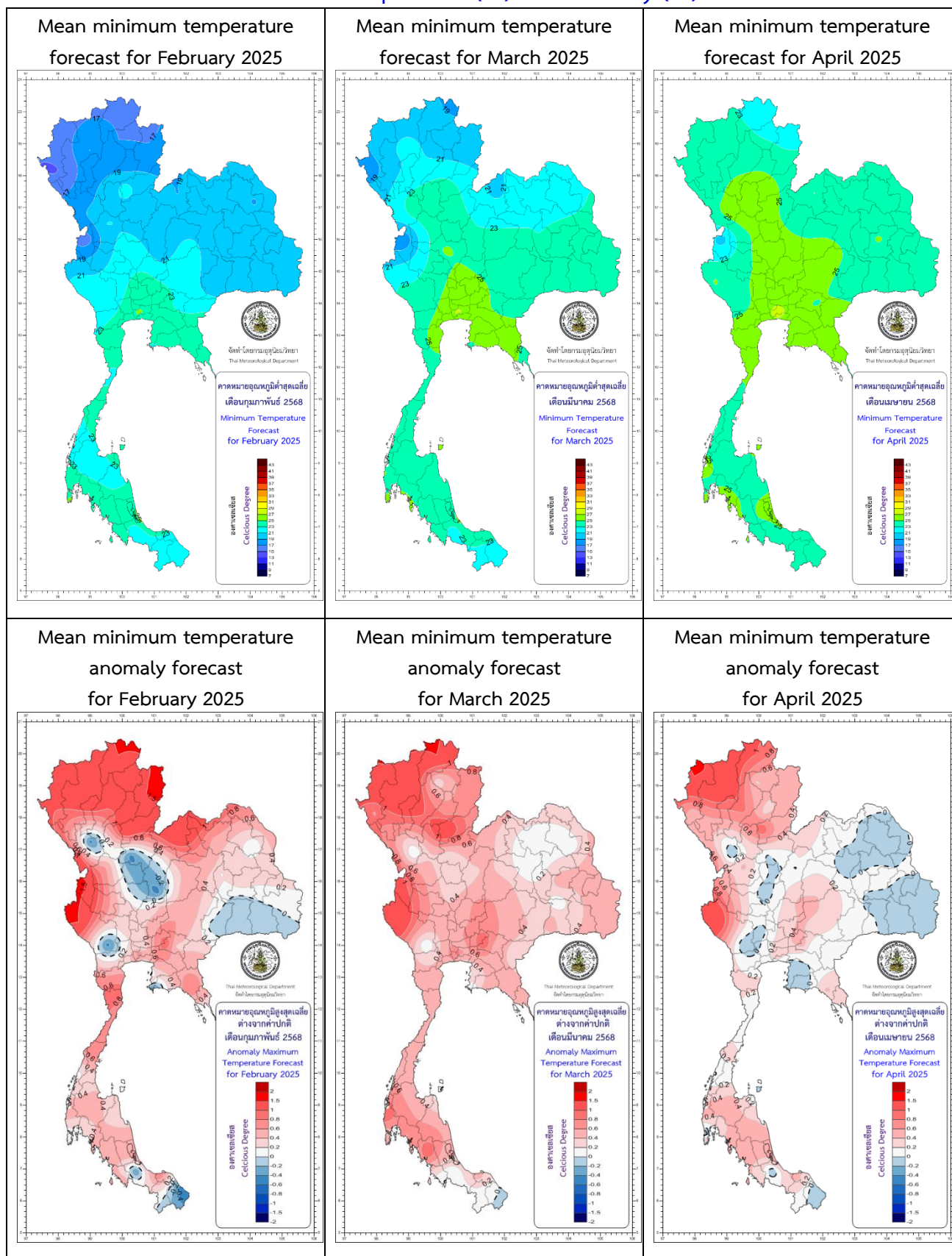
## Precipitation (mm/month) and Anomaly (mm/month) Forecast:



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



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





\*\*\* Caution: \*\*\*

**February 2025:** Some upper-air westerly wind waves moving easterly from the Myanmar direction may pass the Upper Thailand and the western portion of Thailand causing the area to meet thunder rain with gusty wind at some areas and possibly falling hail.

**March and April 2025:** Frequently, summer thunderstorms occur as thunder rain with gusty wind and perhaps falling hail at some areas causing life and property damages. Consequently, the public should follow weather forecast news from the Thai Meteorological Department closely further.

Below right Image source:

[https://www.researchgate.net/figure/Study-area-the-Indochina-Peninsula-in-Monsoon-Southeast-Asia\\_fig5\\_296329477](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:**

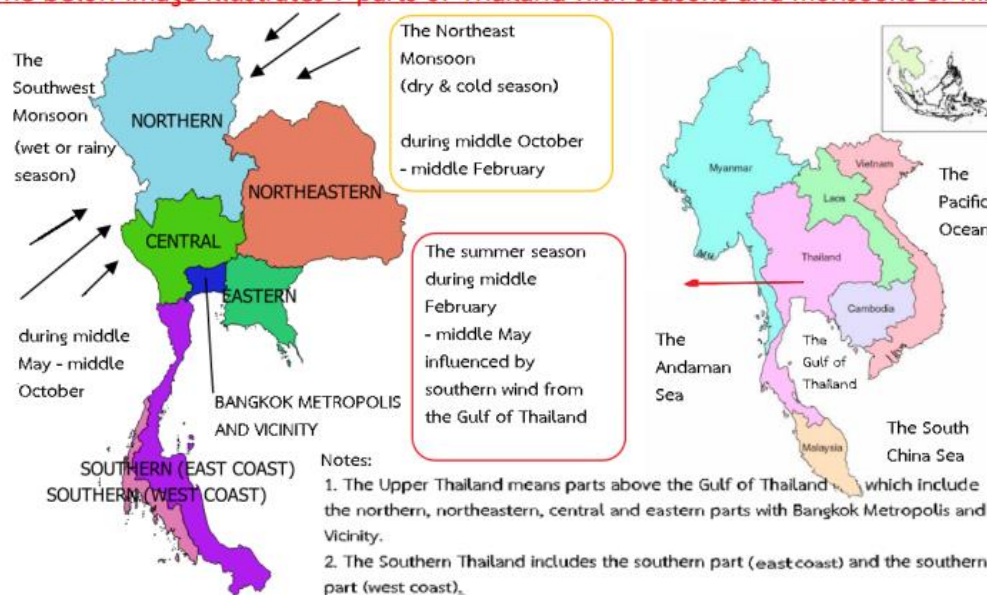


Table 1: Prediction of Rain (mm = millimeters), Rainy Days (days) and comparing with normal

Part	Prediction									Normal (Baseline period: 1991-2020)					
	February 2025			March 2025			April 2025			February		March		April	
	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	Less than 10	1-2	30% Below normal	20-40	3-5	10% Above normal	60-90	6-8	10% Above normal	9.8	1.3	32.4	3.4	70.5	6.8
Northeastern	5-15	1-2	30% Below normal	40-60	4-6	10% Above normal	80-110	7-9	10% Above normal	15.6	2.2	45.7	4.9	85.7	7.8
Central	Less than 10	1-2	30% Below normal	30-50	3-5	10% Above normal	70-100	6-8	20% Above normal	10.6	1.5	37.5	3.8	71.6	6.4
Eastern	15-30	2-3	30% Below normal	60-90	5-7	10% Above normal	100-140	8-10	20% Above normal	28.4	3.2	66.5	6.0	102.0	8.3
Southern Thailand (East Coast)	40-60	3-5	10% Above normal	70-100	5-7	Near normal	80-110	7-9	20% Above normal	44.2	3.9	89.8	5.7	85.9	7.0
Southern Thailand (West Coast)	20-40	3-5	Near normal	90-120	7-9	Near normal	170-210	12-14	20% Above normal	30.2	3.9	103.6	8.1	162.2	13.1
Bangkok Metropolis and Vicinity	5-15	2-3	30% Below normal	40-60	3-5	10% Above normal	90-120	6-8	20% Above normal	17.7	2.5	48.6	4.1	95.0	6.5

Table 2 : Prediction of Mean Maximum Temperature (Tmax) and Mean Minimum Temperature (Tmin) (°C) comparing with normal:

Part	Prediction									Normal (Baseline period: 1991-2020)*					
	February 2025			March 2025			April 2025			February		March		April	
	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Mean Tmax	Mean Tmin	Mean Tmax	Mean Tmin
Northern	34-36	17-19	Above normal	35-37	21-23	Above normal	36-38	23-25	Near normal	33.8	17.4	36.1	20.6	37.2	23.6
Northeastern	32-34	19-21	Near normal	34-36	23-25	Near normal	35-37	24-26	Near normal	33.0	19.6	35.2	22.7	36.2	24.6
Central	34-36	22-24	Near normal	36-38	24-26	Near normal	36-38	24-26	Near normal	34.6	22.3	36.5	23.9	37.5	25.3
Eastern	32-34	23-25	Near normal	33-35	24-26	Near normal	33-35	25-27	Near normal	33.0	23.5	33.9	25.0	34.7	25.9
Southern (East Coast)	31-33	23-25	Near normal	32-34	23-25	Near normal	33-35	24-26	Near normal	31.5	22.9	32.8	23.7	33.9	24.7
Southern (West Coast)	33-35	23-25	Near normal	33-35	24-26	Near normal	33-35	24-26	Near normal	33.7	23.4	34.3	23.9	34.2	24.7
Bangkok and Vicinity	33-35	24-26	Near normal	34-36	26-28	Near normal	34-36	26-28	Near normal	33.7	24.8	34.6	26.0	35.6	26.9

**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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