

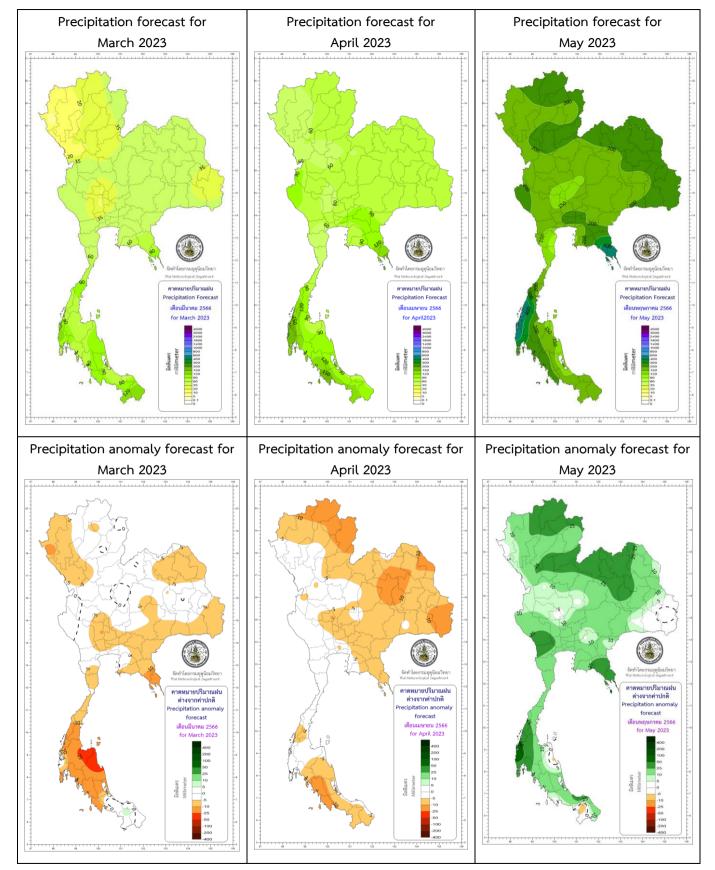
MINISTRY OF DIGITAL ECONOMY AND SOCIETY, THAI METEOROLOGICAL DEPARTMENT

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

<u>March</u> 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.

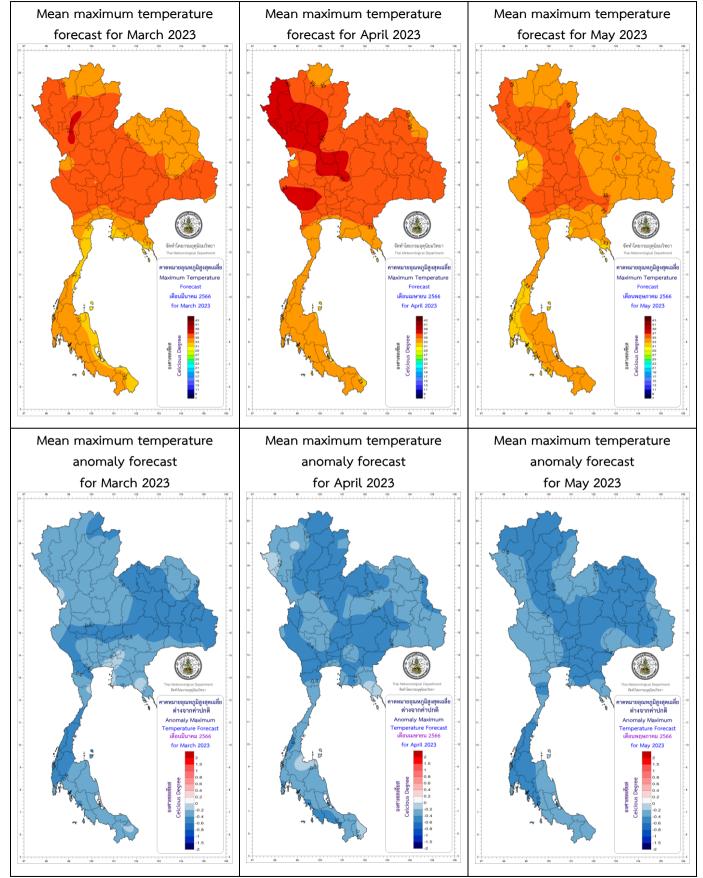
<u>April</u> This is the most sweltering month for the whole year, especially around the Upper Thailand. Often, hot to very hot weather occurs together with low-pressure air mass cells along with more heat prevailing over the Upper Thailand. The reason is that this month is at the duration of the Sun 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.

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.



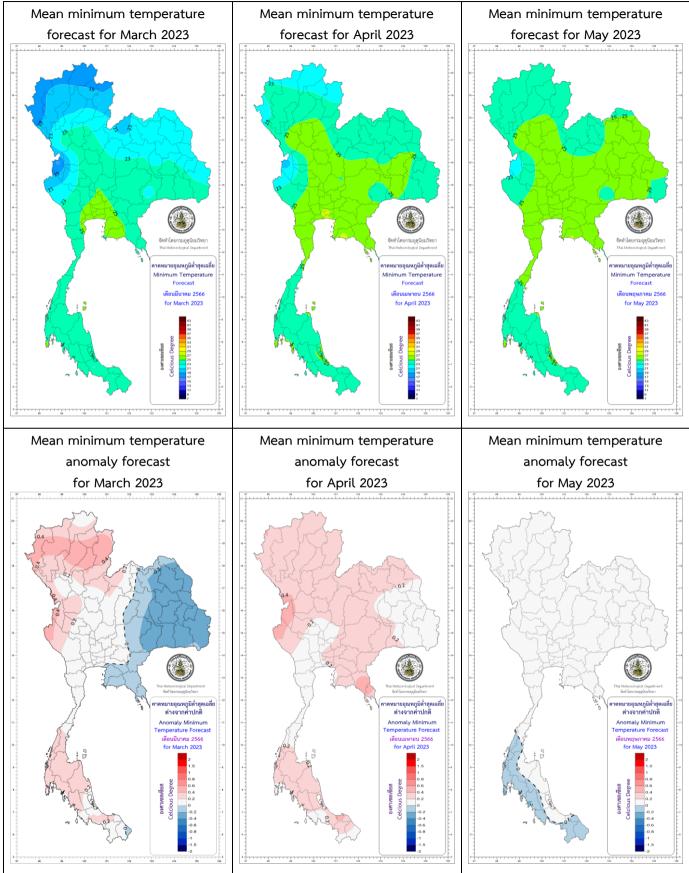
Precipitation (mm/month) and Anomaly (mm/month) Forecast:

Climate Center, Meteorological Development Division, Thai Meteorological Department www.climate.tmd.go.th



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

Climate Center, Meteorological Development Division, Thai Meteorological Department www.climate.tmd.go.th



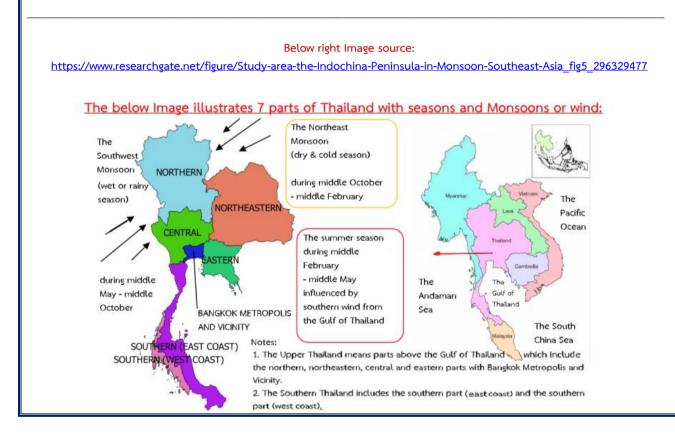
Mean Minimum Temperature (°C) and Anomaly (°C) Forecast:

Climate Center, Meteorological Development Division, Thai Meteorological Department www.climate.tmd.go.th

*** <u>Caution:</u> ***

March and April 2023: 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. During late April and May 2023: Probably, some low-pressure air mass cells develop around the Andaman Sea. These may strengthen to become depressions and tropical cyclones further. Their movements are toward northerly to easterly and may move closely toward the western side of Thailand. Thus, the western portions of both of the northern and central parts including with that of the Southern Thailand will meet more rain.

The public then should follow the weather forecast news from the Thai Meteorological Department closely.



	Prediction											Normal (Baseline period: 1991-2020)					
Part	March 2023			April 2023			May 2023			March		April		May			
	Rain	Rainy	Comparing	Rain	Rainy	Comparing	Rain	Rainy	Comparing	Rain	Rainy	Rain	Rainy	Rain	Rainy		
	(mm)	Days	with normal	(mm)	Days	with normal	(mm)	Days	with normal	(mm)	Days	(mm)	Days	(mm)	Days		
Northern			10%			10%			10%								
	20-40	3-5	Below	50-80	3-4	Below	170-210	14-17	Above	32.4	3.4	70.5	6.8	173.3	14.9		
			normal			normal			normal								
Northeastern			10%			10%			10%								
	30-50	4-6	Below	60-90	4-6	Below	180-220	14-17	Above	45.1	4.9	85.0	7.8	188.8	15.0		
			normal			normal			normal								
Central			10%			10%			10%								
	30-50	3-5	Below	60-90	4-6	Below	160-200	13-16	Above	42.1	3.8	77.6	6.4	165.9	14.0		
			normal			normal			normal								
Eastern			10%			10%			10%								
	50-80	5-7	Below	80-110	5-7	Below	200-250	14-17	Above	66.5	6.0	102.0	8.3	205.3	15.0		
			normal			normal			normal								
Southern			10%			10% Below			10%								
Thailand	60-90	5-7	Below	60-90	5-7	normal	120-160	13-16	Above	86.7	5.7	79.5	7.0	130.3	13.4		
(East Coast)			normal			normat			normal								
Southern			10%			10%			10%								
Thailand	80-110	8-10	Below	140-180	8-10	Below	300-350	18-21	Above	103.6	8.1	162.2	13.1	300.6	19.6		
(West Coast)			normal			normal			normal								
Bangkok			10%			10%			10%								
Metropolis	30-50	3-5	Below	70-100	4-6	Below	210-260	14-17	Above	51.0	4.1	93.3	6.5	216.8	15.0		
and Vicinity			normal			normal			normal								

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

			Normal (Baseline period: 1991-2020)*												
Part .	March 2023			April 2023			May 2023			March		April		May	
	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	35-37	21-23	Near normal	36-38	23-25	Near normal	34-36	24-26	Near normal	36.1	20.7	37.2	23.7	35.2	24.4
Northeastern	34-36	22-24	Near normal	35-37	24-26	Near normal	34-36	24-26	Near normal	35.2	22.7	36.2	24.6	34.9	25.1
Central	35-37	24-26	Near normal	36-38	25-27	Near normal	35-37	25-27	Near normal	36.2	24.4	37.1	25.7	35.7	25.8
Eastern	33-35	24-26	Near normal	34-36	25-27	Near normal	33-35	25-27	Near normal	33.9	25.1	34.7	26.0	34.1	26.1
Southern (East Coast)	32-34	23-25	Near normal	33-35	24-26	Near normal	33-35	24-26	Near normal	32.7	23.9	33.8	24.8	33.9	25.1
Southern (West Coast)	33-35	23-25	Near normal	33-35	24-26	Near normal	32-34	24-26	Near normal	34.3	24.0	34.2	24.7	32.9	24.9
Bangkok and Vicinity	34-36	25-27	Near normal	35-37	26-28	Near normal	34-36	26-28	Near normal	34.7	26.4	35.7	27.2	35.1	26.9

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

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 2021.

- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: (662)-398-9929 or Fax: (662)-383-8827

Climate Center, Meteorological Development Division, Thai Meteorological Department, Ministry of Digital Economy and Society

Climate Center, Meteorological Development Division, Thai Meteorological Department <u>www.climate.tmd.go.th</u>