

Monthly Weather Summary in Thailand February 2020

In February 2020, the weather condition was periodically dominated by the high pressure area from China which extended its ridge to cover upper Thailand almost the month. In addition, the prevailing of the westerly wind in the upper level over the northern and upper northeastern parts during February 4-6 and the passage of the westerly trough over the northern and northeastern parts during the middle of the month. These caused cool weather over upper Thailand with cold weather in several areas in upper northern and northeastern parts, especially in the mountainous areas and mountain tops that experienced cold to very cold weather. However, the heat low pressure cell covered upper Thailand during late month, temperature was relatively increased during daytime and hot weather occurred in several areas in Thailand that considered as the beginning of summer on February 29. For rainfall, there was scanty rain in the northern, northeastern and upper central parts whereas unusual rainfall was found in Bangkok and vicinity and also in the eastern part due to the prevailing of the southeasterly wind. Southern Thailand received intermittent rainfall especially during the middle of the month that obtained abundant rainfall due to the strong easterly wind. Monthly rainfall was below normal in almost parts of the country i.e. northern part 10.1 mm (97%), northeastern part 18.2 mm (98%), central part 7.7 mm (63%), eastern part 19.7 mm (68%), and southern part (west coast) 16.8 mm (61%) while there was above normal rainfall in southern part (east coast) 13.2 mm (38%).

1-10 February: High pressure area from China extended its ridge to cover upper Thailand throughout the period and the another high pressure areas extended its ridge to covered the northeastern part and the South China Sea during late period. In addition, the westerly wind prevailed over the northern and northeastern parts on February 4-6. These caused cool weather nearly the whole areas over upper Thailand with cold weather in the northern and northeastern parts. The minimum temperature of the period was 10.2 °C, at Mae Sariang in Mae Hong Son province on February 5 while that of the mountaintop was 2.6 °C at Ang Khang Royal Agricultural Station, Fang in Chiang Mai province on February 2. For rainfall, under the influence of the southeasterly wind prevailing over the central and eastern parts coupled with the easterly wind blowing over the southern part was active during late period, isolated rain was found in Bangkok and vicinity and also in the eastern part with the highest daily rainfall of 13.1 mm at Huai Pong Agrometeorological station in Rayong province on February 5. In southern part, rainfall was mainly observed along the east coast with isolated to scattered rain and heavy rainfall in some areas. The highest daily rainfall was 86.4 millimeter at Sukhirin in Narathiwat province on February 10.

11-20 February : The weak high pressure area covered the northeastern part and the South China Sea during the first half of the period and the another active high pressure areas extended its ridge to cover the mentioned areas and dominating upper Thailand and the South China Sea during late period. In addition, the westerly trough moved through the northern and northeastern parts during the first half of the period and the southeasterly wind prevailed over the lower northeastern, central and eastern parts

during February 12-15. These conditions caused cool weather in most areas of the northern and northeastern parts with cold weather in some areas during the first half of the period whereas cool weather in several areas for the rest parts. After that, temperature decreased with cool weather in almost areas and cold weather in many areas of the northern and northeastern parts. The minimum temperature of the period was 10.0 °C at Umphang in Tak province on January 15 and dropped to 1.8 °C in the area of mountain top at Kew Mae Pan, Doi Inthanon, Chom Thong in Chiang Mai province on January 16. For rainfall, there was isolated rain in upper Thailand with highest daily rainfall of 30.0 mm at Lahan Sai in Buriram province on February 13. In southern part, with the prevailing of the active easterly wind during the early and late periods, isolated to scattered rain was found almost the whole period and very heavy rainfall was reported in some areas along the east coast. The maximum daily rainfall was 169.8 millimeter at Yi-ngo in Narathiwat province on January 12.

21–29 February : The rather active high pressure area from China extended its ridge to cover upper Thailand and the South China Sea during early period and later weakened. During late period, the heat low pressure cell covered upper Thailand and the southeasterly wind prevailed over the central and eastern parts. Cool weather remained in most areas of upper Thailand with cold weather in several areas of the northern and northeastern parts during the first half of the period. Meanwhile, temperature was relatively increased in majority areas of upper Thailand with hot weather in daytime during the second half of the period. The lowest minimum temperature was 12.9 °C at Thung Chang in Nan province on February 24 while that of the mountaintop was 5.0 °C at Doi Inthanon, in Chiang Mai province on February 23. For rainfall, isolated rain was found in upper Thailand during late period with the highest daily rainfall of 36.9 mm at Queen Sirikit National Convention Center, Khet Khlong Toie in Bangkok Metropolis on February 27. In southern part, the active easterly wind which prevailed over southern part was weakened from mid-period, isolated to scattered rain with heavy rainfall in some areas was found during early period then isolated light rain. The highest daily rainfall was 40.0 mm at Tha Sala in Nakhon Si Thammarat province on January 23.

Note : Rainfall, temperatures and natural disasters in this report were updated up to March 3, 2020.

Climate Center
Meteorological Development Division
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
February 2020

Northern Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Chiang Rai	23.2	1.6	0.0	-13.8	0.0	-21.3
Mae Hong Son	23.0	0.4	0.0	-6.0	0.0	-12.4
Phayao	24.5	1.7	0.0	-9.2	0.0	-14.9
Chiang Mai	25.8	1.9	0.0	-8.9	0.0	-13.1
Tha Wang Pha	23.7	1.2	0.0	-9.0	0.0	-16.0
Nan	24.9	1.3	0.9	-11.0	0.9	-15.4
Lamphun	25.6	1.3	0.0	-4.9	0.0	-7.7
Lampang	26.2	1.5	0.1	-8.7	0.2	-11.4
Mae Sariang	23.1	0.9	0.0	-6.5	0.0	-8.0
Phrae	25.8	1.2	0.0	-8.8	0.0	-14.6
Uttaradit	27.1	1.0	0.0	-14.5	0.0	-20.0
Bhumibol Dam	27.4	0.7	0.0	-6.9	0.0	-9.5
Tak	27.6	0.3	0.0	-8.7	0.0	-10.8
Mae Sot	25.9	1.4	0.0	-8.2	0.0	-9.9
Umphang	23.1	1.5	0.0	-9.1	0.0	-15.9
Phitsanulok	27.5	0.5	0.0	-13.5	0.3	-17.1
Lom Sak	27.3	1.4	0.0	-17.1	0.0	-21.9
Phetchabun	27.8	1.3	0.0	-16.1	0.0	-21.7
Wichian Buri	28.1	0.6	0.0	-12.6	0.0	-20.3
Kamphaeng Phet	27.5	0.7	4.2	-8.9	4.2	-11.2
Over the area	25.8	1.2	0.3	-10.1 -97%	0.3	-14.7 -98%

Northeastern Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Nong Khai	26.1	1.2	0.0	-17.3	0.0	-25.6
Loei	25.3	1.1	0.0	-16.1	0.0	-22.3
Udon Thani	25.7	0.4	0.0	-22.0	0.0	-28.3
Nakhon Phanom	25.6	1.2	0.0	-31.0	0.5	-33.5
Sakon Nakhon	25.1	0.7	0.0	-29.3	20.9	-13.1
Mukdahan	25.8	0.9	2.2	-15.2	4.4	-16.7
Khon Kaen	26.3	0.4	0.0	-21.4	0.0	-25.4
Kosum Phisai	26.5	0.7	0.0	-15.0	2.9	-15.6
Roi Et	26.4	0.7	0.0	-19.2	3.3	-19.5
Chaiyaphum	27.2	0.5	0.0	-14.3	0.0	-18.8
Ubon Ratchathani	26.8	0.3	0.0	-15.4	0.9	-16.5
Tha Tum	26.3	0.1	0.0	-16.1	0.1	-21.1
Surin	26.9	0.3	0.0	-11.5	0.1	-17.0
Nakhon Ratchasima	27.4	0.5	0.0	-16.1	0.0	-24.3
Chok Chai	27.0	0.5	0.0	-14.8	0.0	-18.8
Nang Rong	26.3	-0.1	2.4	-17.2	2.4	-21.9
Over the area	26.3	0.6	0.3	-18.2 -98%	2.2	-21.1 -91%

- NOTES :
- 1) Mean temperature is the average of daily dry-bulb temperature
 - 2) "T" is trace, rainfall amount less than 0.1 mm.
 - 3) "blank" is incomplete data.
 - 4) Temperature and rainfall are preliminary data.

Monthly Current Report
Rainfall and Accumulative Rainfall
February 2020

Central Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Nakhon Sawan	29.0	0.9	0.0	-11.9	0.0	-16.2
Bua Chum	28.2	0.8	0.0	-9.1	0.0	-15.8
Lop Buri	29.1	1.0	0.0	-6.9	0.0	-12.6
Suphan Buri	28.6	1.2	0.0	-6.9	0.0	-10.6
Thong Pha Phum	27.2	0.4	0.0	-16.4	0.0	-21.8
Kanchanaburi	28.6	0.6	0.0	-18.2	0.0	-21.5
Bangkok Airport	29.0	0.7	0.0	-9.0	19.6	-0.8
Bangkok Metropolis	29.1	0.8	37.0	17.0	59.7	26.4
Over the area	28.6	0.8	4.6	-7.7 -63%	9.9	-9.1 -48%

Eastern Thailand

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Prachin Buri	29.3	1.1	0.0	-15.8	0.0	-23.5
Kabin Buri	28.0	0.2	0.0	-24.9	5.6	-28.3
Aranyaprathet	28.9	0.7	0.0	-27.6	0.0	-33.0
Chon Buri	28.9	0.9	7.8	-6.5	14.8	-9.4
Ko Sichang	28.6	1.0	0.0	-15.7	0.0	-26.6
Pattaya	28.2	0.9	0.2	-14.1	1.0	-28.9
Sattahip	28.0	0.5	2.3	-17.1	14.8	-30.2
Rayong	28.1	0.2	44.1	7.6	46.4	-10.8
Chanthaburi	28.2	0.9	19.1	-17.3	52.8	-2.3
Khlong Yai	27.6	0.4	20.5	-65.5	109.3	-13.9
Over the area	28.4	0.7	9.4	-19.7 -68%	24.5	-20.7 -46%

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Monthly Current Report
Rainfall and Accumulative Rainfall
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Southern Thailand, east coast

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Phetchaburi	28.5	1.3	7.3	3.4	7.3	-8.0
Hua Hin	28.0	0.8	12.6	-2.7	13.1	-14.0
Prachuap Khiri Khan	27.2	0.6	19.9	-1.9	27.8	-18.4
Chumphon	27.1	0.4	152.3	107.6	215.8	111.7
Surat Thani	26.9	0.5	10.6	-1.7	10.6	-38.5
Ko Samui	27.9	0.5	75.8	21.4	84.9	-55.7
Nakhon Si Thammarat	27.0	0.5	35.1	-33.1	66.2	-147.4
Songkhla	27.9	0.4	64.0	15.4	65.9	-57.5
Hat Yai Airport	27.3	0.6	30.2	5.8	31.2	-47.0
Pattani Airport	27.2	0.7	32.3	0.3	32.5	-50.4
Narathiwat	27.1	0.5	84.4	30.7	111.8	-43.5
Over the area	27.5	0.7	47.7	13.2 38%	60.6	-33.6 -36%

Southern Thailand, west coast

Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Ranong	27.9	0.4	15.7	-0.3	23.6	-2.4
Takua Pa	27.5	0.5	0.5	-40.6	3.1	-77.4
Phuket	29.9	1.2	0.2	-23.7	0.2	-54.0
Phuket Airport	28.5	0.8	12.5	-14.7	15.3	-48.1
Ko Lanta	29.0	0.8	1.8	-16.2	2.2	-30.7
Trang Airport	28.3	0.8	17.9	-2.9	22.6	-30.7
Satun	28.9	0.8	26.5	-19.3	51.8	-15.2
Over the area	28.6	0.8	10.7	-16.8 -61%	17.0	-36.9 -68%

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