

## Monthly Weather Summary in Thailand February 2018

In February 2018, the active high pressure area from China periodically extended its ridge to cover upper Thailand in addition with the prevailing of the northeast monsoon over southern Thailand and the Gulf of Thailand during the first half of the month and the westerly wind in the upper-level moved to cover the northern part for few days. These caused cool weather over upper Thailand mainly during the first half of the month, particularly during early month the northeastern part experienced a successive cold weather and also in the upper northern part during the beginning and the middle of the month and some places of the central and eastern parts as well. During late month, the monsoon have changed to the easterly and southeasterly wind over Thailand caused temperature increasing in upper Thailand during daytime with rainfall increasing at that time. For southern part, the weather was cool in most areas nearly the whole month with unusual rainfall for few days. Mean temperature in February was below normal of  $0.4^{\circ}\text{C}$ . The average total rainfall over Thailand in this month was about 53% above normal and monthly rainfall was higher than normal in all parts i.e. northern part 6.4 mm (62%), northeastern part 1.7 mm (9%), central part 28.3 mm (230%), eastern part 28.3 mm (97%), southern part (east coast) 9.1 mm (26%) and southern part (west coast) 2.1 mm (8%).

**1–10 February:** The active high pressure areas from China extended its ridge to cover upper Thailand during early period and the another active high pressure areas extended to dominate the mentioned areas during mid-period then weakened and coupled with the westerly wind in upper level over the northern part during early period The weather in upper Thailand was generally cool with cold weather throughout the period especially in northeastern and upper northern part which experienced cold weather in whole areas and also some areas of the central and eastern parts. The lowest minimum temperature of the period was  $8.4^{\circ}\text{C}$  at Amphoe Mueang in Mae Hong Son province on February 2 and dropped to  $0.9^{\circ}\text{C}$  in the area of mountain top at Royal Agricultural Station Ang Khang in Chiang Mai province on February 1 with the occurrence of hail on February 1 and 2. For rainfall, isolated rain was observed in upper Thailand during early period with heavy rainfall in some areas in eastern part. The highest daily rainfall was 52.1 millimeter at King Amphoe Ko Kut in Trat province on February 1. In southern part, with the prevailing of the active easterly wind prevailed over the southern part and the northeast monsoon blowing over the Gulf of Thailand and southern part during mid-period resulted in cool weather nearly the whole areas almost the whole period. Isolated to scattered rain was observed during early and mid-period with heavy to very heavy rainfall in some areas. The maximum daily rainfall was 187.0 millimeter at Thung Tako in Chumphon province on February 3.

**11-20 February :** The another active high pressure extended to cover upper Thailand and the South China Sea during early period then weakened and accompanied with the moderate northeast monsoon prevailed over the Gulf of Thailand and southern part during the first half of the period and the easterly wind prevailed over Thailand during late period. These caused generally cool weather in the northern part with cold weather in the upper portion whereas generally cool weather was found in the northeastern, central and eastern parts during early and mid-period with cold weather in several areas of the northeastern part during early period after that temperature increased but the weather remained cool in upper northeastern part. The lowest minimum temperature was  $9.9^{\circ}\text{C}$  at Mae Sariang

in Mae Hong Son province on February 18 and dropped to 3.5 °C at Kew Mae Pan in Chiang Mai province on February 16. However, daytime temperatures increased with hot weather in several areas from mid-period. The highest maximum temperature was 38.0 °C at Thoen in Lampang province on February 15 and at Amphoe Mueang in Kanchanaburi province on February 16 and 17. For rainfall, scanty rainfall was found in upper Thailand during late period with heavy to very heavy rainfall in some areas. The highest daily rainfall was 170.0 millimeter at Si Nakhon in Sukhothai province on February 20. In southern part, cool weather was observed in most areas nearly the whole period and isolated rain was found during early and late period with heavy to very heavy rainfall in some areas especially fairly widespread rain with heavy rainfall in some areas on February 19. The highest daily rainfall in southern part was 97.0 millimeter at Tha Sala in Nakhon si Thammarat province on February 13.

**21–28 February :** The active high pressure area from China extended its ridge to cover upper Thailand during the first half of the period and then weakened coupled with the easterly and southeasterly wind prevailed over Thailand during the middle and the end of the period and the westerly trough effected over the northern part for few day. The weather in the northern and northeastern parts remained cool in the morning with cold in some areas of upper northern part. The lowest minimum temperature of 13.7 °C was observed at Amphoe Mueang in Mae Hong Son province on February 21. In the mountainous areas and mountaintops, the weather was cold to very cold and temperature climbed down to 5.0 °C at Royal Agricultural Station Angkhang February 28. However, daytime temperatures relatively decreased with hot weather for few days. The highest maximum temperature was 37.3 °C at Mae Sariang in Mae Hong Son province on February 25. For rainfall, upper Thailand experienced rainfall increasing both amount and distribution especially central and eastern parts that obtained scattered rain almost the whole period with heavy rainfall in some areas. Northern and northeastern parts received scattered to fairly widespread rain with heavy to very heavy rainfall in some areas during early period after that decreasing rainfall to isolated rain. The maximum daily rainfall over upper Thailand was 170.1 millimeter at Noen Kham in Chai Nat province on February 26 with thunderstorm and gusty wind occurred at Nakhon Ratchasima province on February 21 and at Lampang and Phitsanulok provinces on February 23 and hail occurred at Chiang Rai and Chiang Mai provinces on February 23. In southern part, cool weather was observed in many areas with isolate rainfall for few days except for fairly widespread rain with heavy to very heavy rainfall in some areas on February 23. The heaviest daily rainfall of 140.9 millimeter was measured at Rueso in Narathiwat province on February 23.

---

**Note :** Rainfall, temperatures and natural disasters in this report were updated up to March 5, 2018.

Climatological Center  
Meteorological Development Department  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
February 2018

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	22.6	1.0	8.1	-5.7	14.6	-6.7
Mae Hong Son	22.5	-0.1	0.0	-6.0	5.4	-7.0
Phayao	23.4	0.6	2.2	-7.0	10.1	-4.8
Chiang Mai	25.3	1.4	0.0	-8.9	0.3	-12.8
Tha Wang Pha	23.1	0.6	16.5	7.5	47.3	31.3
Nan	24.2	0.6	11.8	-0.1	26.2	9.9
Lamphun	24.8	0.5	0.4	-4.5	0.4	-7.3
Lampang	25.2	0.5	13.0	4.2	38.4	26.8
Mae Sariang	22.6	0.4	0.0	-6.5	0.4	-7.6
Phrae	25.3	0.7	52.3	43.5	76.1	61.5
Uttaradit	26.3	0.2	12.3	-2.2	19.3	-0.7
Bhumibol Dam	25.6	-1.1	7.6	0.7	7.6	-1.9
Tak	26.5	-0.8	13.6	4.9	29.2	18.4
Mae Sot	25.8	1.3	5.4	-2.8	5.4	-4.5
Umphang	22.8	1.2	23.9	14.8	55.9	40.0
Phitsanulok	26.4	-0.6	39.2	25.7	39.3	21.9
Lom Sak	25.4	-0.5	21.8	4.7	24.6	2.7
Phetchabun	25.8	-0.7	48.2	32.1	75.7	54.0
Wichian Buri	26.6	-0.9	14.8	2.2	32.9	12.6
Kamphaeng Phet	26.6	-0.2	43.9	30.8	51.1	35.7
Over the area	24.8	0.2	16.8	6.4 62%	28.0	13.0 87%

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	24.1	-0.8	5.2	-12.1	26.0	0.4
Loei	23.6	-0.6	16.6	0.5	44.3	22.0
Udon Thani	24.0	-1.3	18.7	-3.3	18.7	-9.6
Nakhon Phanom	23.1	-1.3	16.6	-14.4	18.9	-15.1
Sakon Nakhon	22.7	-1.7	67.1	37.8	67.1	33.1
Mukdahan	23.4	-1.5	54.3	36.9	54.3	33.2
Khon Kaen	24.2	-1.7	5.4	-16.0	6.4	-19.0
Kosum Phisai	24.6	-1.2	7.3	-7.7	9.2	-9.3
Roi Et	24.6	-1.1	0.4	-18.8	1.3	-21.5
Chaiyaphum	25.4	-1.3	3.1	-11.2	3.1	-15.7
Ubon Ratchathani	25.6	-0.9	0.0	-15.4	0.0	-17.4
Tha Tum	25.0	-1.2	0.1	-16.0	1.6	-19.6
Surin	25.5	-1.1	0.0	-11.5	17.3	0.2
Nakhon Ratchasima	25.6	-1.3	78.5	62.4	81.1	56.8
Chok Chai	25.5	-1.0	42.9	28.1	44.0	25.2
Nang Rong	25.0	-1.4	6.5	-13.1	10.6	-13.7
Over the area	24.5	-1.2	20.2	1.7 9%	25.2	1.9 8%

- 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 2018

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	27.0	-1.1	32.6	20.7	37.3	21.1
Bua Chum	25.9	-1.5	13.1	4.0	112.6	96.8
Lop Buri	27.2	-0.9	108.9	102.0	154.6	142.0
Suphan Buri	27.1	-0.3	5.3	-1.6	5.7	-4.9
Thong Pha Phum	26.5	-0.3	5.8	-10.6	20.0	-1.8
Kanchanaburi	27.9	-0.1	15.7	-2.5	15.7	-5.8
Bangkok Airport	27.3	-1.0	96.6	87.6	150.7	130.3
Bangkok Metropolis	27.6	-0.7	46.9	26.9	178.1	144.8
Over the area	27.1	-0.7	40.6	28.3 230%	84.3	65.3 344%

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	27.5	-0.7	77.0	61.2	180.4	156.9
Kabin Buri	26.1	-1.7	25.5	0.6	199.8	165.9
Aranyaprathet	27.0	-1.2	12.0	-15.6	96.7	63.7
Chon Buri	27.5	-0.5	22.9	8.6	69.9	45.7
Ko Sichang	26.8	-0.8	142.9	127.2	169.0	142.4
Pattaya	26.7	-0.6	37.5	23.2	70.5	40.6
Sattahip	26.0	-1.5	42.6	23.2	75.4	30.4
Rayong	26.9	-1.0	16.6	-19.9	22.2	-35.0
Chanthaburi	26.9	-0.4	188.8	152.4	227.6	172.5
Khlong Yai	26.8	-0.4	8.2	-77.8	93.5	-29.7
Over the area	26.8	-0.9	57.4	28.3 97%	120.5	75.3 167%

- 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 2018

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	27.0	-0.2	25.4	21.5	34.0	18.7
Hua Hin	26.7	-0.5	44.0	28.7	63.8	36.7
Prachuap Khiri Khan	26.2	-0.4	73.9	52.1	112.4	66.2
Chumphon	26.7	0.0	85.3	40.6	95.1	-9.0
Surat Thani	26.6	0.2	2.0	-10.3	56.1	7.0
Ko Samui	27.4	0.0	14.7	-39.7	273.7	133.1
Nakhon Si Thammarat	26.6	0.1	12.4	-55.8	239.0	25.4
Songkhla	27.4	-0.1	99.9	51.3	293.7	170.3
Hat Yai Airport	26.9	0.2	15.0	-9.4	134.0	55.8
Pattani Airport	26.8	0.3	63.2	31.2	210.3	127.4
Narathiwat	26.5	-0.1	43.8	-9.9	404.3	249.0
Over the area	26.8	0.0	43.6	9.1 26%	174.2	80.0 85%

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	27.4	-0.1	3.6	-12.4	89.4	63.4
Takua Pa	27.3	0.3	117.9	76.8	376.9	296.4
Phuket	29.0	0.3	14.2	-9.7	171.0	116.8
Phuket Airport	28.3	0.6	39.4	12.2	310.4	247.0
Ko Lanta	28.3	0.1	27.4	9.4	304.2	271.3
Trang Airport	27.7	0.2	4.0	-16.8	152.0	98.7
Satun	28.3	0.2	0.4	-45.4	84.0	17.0
Over the area	28.0	0.2	29.6	2.1 8%	212.6	158.7 294%

- 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.











