

Monthly Weather Summary in Thailand February 2011

High pressure area from China occasionally extended its ridge to cover upper Thailand throughout the month. During early month, the high pressure was rather active and the northeast monsoon prevailed over southern Thailand and the Gulf of Thailand. After that, the high pressure system mainly propagated eastward to dominate the northeastern part of Thailand and the South China Sea in addition with the southeasterly wind prevailed over upper Thailand. These conditions caused cool weather in the morning over Thailand nearly the whole month in particular the northern and northeastern parts that experienced cold weather. However, during the second half of the month, temperature was relatively increased and unusual rainfall was produced. The intermittent hot weather during daytime was observed from the middle of the month. Mean temperatures of February were above normal in general. Monthly rainfall was below normal in 4 regions i.e. northern part 4.6 mm (40%), northeastern 2.6 mm (15%), southern part (east coast) 15.3 mm (43%) and southern part (west coast) 8.6 mm (30%) while it was above normal in central and eastern parts 9.1 mm (73%) and 18.4 mm (63%), respectively.

1-10 February: The weather was cool in major area of Thailand, especially in northern and northeastern parts that experienced cold weather. The lowest minimum temperature of the period was 9.0 °C at Umphang in Tak province on February 9 and 10 and it dropped to 2.5 °C over the area of mountaintop at Omkoi, in Chiang Mai province on February 7. For rainfall, isolated light rain was observed along the coastal area of eastern part during February 6-8 and widely scattered to scattered rain occurred in southern Thailand from Surat Thani province southward. The highest daily rainfall of 79.2 mm was measured at Phra Sang in Surat Thani province on February 7.

11-20 February: Although the temperature became sharply increased in upper Thailand but cold weather still persisted in the morning in many areas of northern and northeastern parts. The lowest temperature of 9.5 °C was measured at Umphang, Tak province on February 14 and 4.5 °C over the area of mountaintop at Doi Angkhang, Amphoe Fang in Chiang Mai province on February 11 and 16. Meanwhile, daytime temperature rose during the end of the period nationwide and maximum temperature climbed up to 39.0 °C at Amphoe Muang in Kanchanaburi province on February 19. There was scanty rain in upper Thailand mainly during the middle of the period. In southern part, cool weather was found in many places with isolated rainfall for few days. The highest daily rainfall was 34.7 mm at Takua Pa in Phangnga province on February 12.

21-28 February: Due to the high pressure system extended eastward to the South China Sea and the southeasterly wind prevailed over upper Thailand. It brought unseasonable rainfall across upper Thailand especially in the central and eastern parts that experienced widely scattered to scattered rain. The highest daily rainfall was 109.9 mm at Kraseo Self-Help Settlement in Suphan Buri province on February 23. In southern part, isolated rain was found during early period with the maximum daily rainfall of 34.6 mm at Amphoe Muang in Ranong province on February 21. Cool weather still existed in the morning in the northern and northeastern parts with the lowest minimum temperature, 13.1 °C at Agrometeorological station in Chiang Rai province on February 21 and 6.0 °C at Doi Angkhang on February 21, 23 and 25. Although, daytime temperature relatively decreased but hot weather continued in many areas mainly in the northern part. The highest maximum temperature was 38.0 °C at Amphoe Muang in Kanchanaburi and Tak provinces on 21 and 24 of February, respectively.

Note : Rainfall, temperatures and natural disasters available in this report are preliminary data.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
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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	22.0	0.8	0.0	-12.2	25.6	2.2
Mae Hong Son	22.6	0.4	0.0	-4.8	14.7	2.2
Phayao	23.2	-0.1	0.0	-11.3	4.2	-12.1
Chiang Mai	24.5	1.2	0.8	-8.4	3.4	-13.5
Tha Wang Pha	23.7	1.7	11.5	-0.6	13.0	-8.2
Nan	24.7	1.7	0.0	-13.1	0.8	-19.6
Lamphun	24.1	-0.1	0.6	-5.3	8.2	-0.1
Lampang	25.1	1.2	0.5	-7.1	6.3	-6.9
Mae Sariang	22.6	0.2	0.0	-7.0	13.4	-0.6
Phrae	25.1	1.0	0.2	-9.5	4.0	-12.0
Uttaradit	26.4	0.6	0.0	-14.9	2.0	-20.3
Bhumibol Dam	26.1	-0.9	0.0	-7.4	3.1	-8.7
Tak	27.2	0.3	0.0	-8.4	2.0	-10.6
Mae Sot	25.1	0.9	0.0	-8.0	10.8	0.5
Umphang	22.7	1.7	10.4	-3.4	13.3	-8.0
Phitsanulok	26.6	-0.1	21.5	8.6	23.6	5.6
Lom Sak	25.9	0.3	24.6	1.2	24.6	-3.2
Phetchabun	26.1	-0.1	48.4	29.4	48.4	23.8
Wichian Buri	26.9	-0.4	16.8	2.9	16.8	-4.0
Kamphaeng Phet	26.8	0.1	0.8	-12.7	3.6	-11.7
Over the area	24.9	0.5	6.8	-4.6 -40%	12.1	-5.2 -30%

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	25.4	0.9	0.0	-14.5	1.4	-20.0
Loei	24.1	0.2	19.2	2.4	19.4	-3.3
Udon Thani	25.1	0.2	23.1	2.1	24.8	-1.4
Nakhon Phanom	24.5	0.6	4.8	-22.5	4.8	-26.0
Sakon Nakhon	24.4	0.1	14.8	-10.9	14.8	-15.0
Mukdahan	24.7	-0.1	11.4	-7.3	11.4	-11.9
Khon Kaen	25.8	0.2	1.6	-14.4	1.6	-16.5
Kosum Phisai	25.8	0.3	63.1	49.0	63.1	47.0
Roi Et	25.7	0.4	0.8	-20.2	0.8	-24.7
Chaiyaphum	26.7	0.3	4.8	-13.9	4.8	-17.2
Ubon Ratchathani	26.4	0.3	1.1	-15.4	1.1	-16.6
Tha Tum	26.0	0.0	9.5	-6.5	9.5	-8.1
Surin	26.8	0.5	56.9	45.2	56.9	40.4
Nakhon Ratchasima	26.7	0.2	10.2	-7.9	10.2	-13.8
Chok Chai	26.4	0.2	15.7	4.4	16.0	0.8
Nang Rong	26.1	-0.2	5.2	-10.6	5.2	-17.0
Over the area	25.7	0.3	15.1	-2.6 -15%	15.4	-6.4 -29%

- 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.
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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	27.7	-0.5	33.2	20.7	33.2	15.3
Bua Chum	27.0	-0.2	4.4	-4.7	4.4	-9.5
Lop Buri	27.9	-0.1	0.0	-11.6	0.0	-16.3
Suphan Buri	27.7	0.5	2.8	-4.5	2.8	-11.0
Thong Pha Phum	27.0	0.8	35.5	19.6	46.6	25.4
Kanchanaburi	28.4	0.5	38.1	26.7	38.1	21.5
Bangkok Airport	27.9	0.2	36.2	24.6	36.2	15.7
Bangkok Metropolis	28.6	0.9	21.8	2.2	22.1	-6.6
Over the area	27.8	0.3	21.5	9.1 73%	22.9	4.3 23%

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	28.1	-0.1	31.2	14.1	31.2	6.4
Kabin Buri	27.1	-0.6	42.2	20.5	42.2	13.6
Aranyaprathet	28.1	0.3	2.4	-20.8	2.4	-27.4
Chon Buri	28.1	0.5	24.1	7.4	24.1	-3.5
Ko Sichang	27.6	0.1	29.1	9.8	29.1	1.4
Pattaya	27.0	-0.2	77.2	65.0	77.4	51.3
Sattahip	27.1	-0.2	86.4	58.1	86.4	35.8
Rayong	27.4	-0.4	65.2	26.5	65.2	6.9
Chanthaburi	27.3	0.5	32.9	-3.5	32.9	-15.9
Khlong Yai	27.4	0.1	83.7	7.6	83.7	-30.7
Over the area	27.5	0.0	47.4	18.4 63%	47.5	3.8 9%

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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	27.4	0.3	0.0	-4.4	0.0	-13.1
Hua Hin	27.4	0.5	0.1	-18.6	0.2	-28.0
Prachuap Khiri Khan	27.4	1.3	30.3	-2.0	30.7	-28.6
Chumphon	27.2	0.8	0.4	-59.2	16.3	-118.0
Surat Thani	26.8	0.1	28.6	3.7	165.6	107.0
Ko Samui	27.5	0.2	100.8	44.6	375.3	188.5
Nakhon Si Thammarat	26.7	0.4	32.8	-27.1	604.2	397.4
Songkhla	27.3	-0.4	11.0	-26.0	260.8	169.2
Hat Yai Airport	27.0	0.4	0.5	-18.6	178.1	110.8
Pattani Airport	26.9	0.7	4.5	-26.7	149.0	69.9
Narathiwat	26.5	-0.2	18.2	-34.3	392.0	261.1
Over the area	27.1	0.4	20.7	-15.3 -43%	197.5	101.5 106%

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	27.3	0.2	39.9	23.4	86.1	57.4
Takua Pa	27.4	0.4	59.2	20.5	144.6	70.7
Phuket	29.2	0.6	3.0	-27.3	79.6	27.6
Phuket Airport	28.1	0.7	30.5	-2.1	107.5	39.0
Ko Lanta	28.2	0.0	1.2	-18.6	9.6	-17.5
Trang Airport	27.6	0.2	2.6	-21.1	125.8	66.2
Satun	28.3	0.4	4.2	-35.3	33.4	-18.4
Over the area	28.0	0.3	20.1	-8.6 -30%	83.8	32.2 62%

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