

## Monthly Weather Summary in Thailand March 2008

Mean temperatures of March 2008 were slightly below normal in most areas of Thailand due to the continuation of high pressure area from China that extended its ridge to cover upper Thailand and the South China Sea. Cool weather remained over upper Thailand, particularly northern and northeastern parts where cold weather was experienced in several places during early March. However, the heat low pressure cell covered upper Thailand from the middle to the end of the month causing hot weather in most areas of upper Thailand and very hot weather for few days at Tak province. Unseasonable rainfall and thunderstorms with gusty winds and hails affected some areas especially in upper Thailand during the second half of this month because of high pressure area from China that occasionally extended its ridge to cover upper Thailand, where warmer air existed, associated with the confluence of southerly and southeasterly wind prevailing over upper Thailand. For southern Thailand, rainfall occurred mainly in early and end of March. Monthly rainfall was above normal in northeastern part 33.9 mm (90%), southern part (east coast) 10.1 mm (20%) and southern part (west coast) 21.9 mm (31%), while it was inversely below normal in northern part 8.1 mm (33%), central part 7.1 mm (23%) and eastern part 6.5 mm (12%).

**1 – 10 March:** Generally cool and cold weather persisted in Thailand mainly in northern and northeastern parts during early and mid period. The minimum temperature of the period was 10.0 °C, at Agrometeorological Station in Sakon Nakhon on March 3 and Agrometeorological Station in Nakhon Phanom province on March 5 while that of the mountaintop was 7.0 °C at Doi Inthanon, Amphoe Chom Thong in Chiang Mai province on March 3, 4 and 5. Temperatures were obviously increased and hot weather occurred in some areas of upper Thailand during the end of the period, the highest temperature of 36.9 °C was recorded at Amphoe Muang in Lop Buri province on March 7. Isolated rainfall was found in upper Thailand almost the period, especially heavy rainfall in eastern part during the end of the period. For southern Thailand, isolated rainfall and heavy rainfall were found during the first half of the period, then increasing in rainfall and scattered rainfall with isolated heavy to very heavy rainfall. The highest daily rainfall of 98.3 mm was measured at Amphoe Sungai Kolok in Narathiwat province on March 7.

**11 – 20 March:** Temperature was relatively increased, especially in upper Thailand that experienced hot weather in most of areas and temperature in northern part rose to 40.0 °C at Amphoe Muang in Tak province on March 18 and 19 while it was still apparently low in the morning in northern and northeastern parts. Upper Thailand received isolated rain and heavy to very heavy rainfall in some areas mainly during the second half of the period with the maximum daily rainfall of 95.0 mm at Amphoe Wangsammor in Udon Thani province on March 19 while southern Thailand experienced widely scattered rain in early period and isolated rainfall with heavy rainfall in some areas during the end of this period. Thunderstorms and gusty winds occurred in Nan on March 14, in Nong Khai, Udon Thani and Sakon Nakhon on March 18. There were hails at Phrae, Chiang Rai and Loei on March 16 and at Nong Bua Lumphu and Roi Et on 18 and 20 of March, respectively.

**21 – 31 March:** The weather was hot in many areas of upper Thailand during the first half of the period. Then temperature was obviously increased, especially in northern part where very hot weather occurred in some areas. The highest temperature of 40.5 °C was measured at Amphoe Muang in Tak province on March 29. For rainfall, upper Thailand received isolated to widely scattered thundershower and heavy to very heavy rainfall in some areas during the first half of the period while there were increasing rainfall and thunderstorms with gusty winds in several provinces during the end of the period. The maximum daily rainfall in upper Thailand was 162.5 mm at Amphoe Muang in Chaiyaphum province on March 27. There were hails at Roi Et province

on March 20, at Kalasin province on March 21, at Phatum Thani and Chanthaburi provinces on March 23, at Lamphun province on March 24, at Chaiyaphum province on 24 and 28 of March, at Ratchaburi province on March 30 and at Ayutthaya province on March 31. Southern Thailand obtained widely scattered rain almost this period and isolated heavy to very heavy rainfall with the heaviest daily rainfall of 101.2 mm at Agrometeorological Station in Yala province on March 27.

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**Note** : Rainfall, temperatures and natural disasters in this report was updated up to April 8, 2008.

Climatological Group  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
March 2008

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	24.8	0.4	40.4	19.5	117.6	73.3
Mae Hong Son	26.4	0.1	2.0	-14.6	91.7	62.6
Phayao	26.0	-1.2	15.3	-7.3	65.4	26.5
Chiang Mai	27.8	1.1	9.4	-7.9	39.8	5.6
Tha Wang Pha	25.5	-0.5	33.6	-2.0	121.6	64.8
Nan	27.0	0.7	14.0	-17.6	67.6	15.6
Lamphun	27.9	0.0	7.5	-5.6	41.0	19.6
Lampang	28.0	0.6	40.2	19.7	96.2	62.5
Mae Sariang	26.1	-0.3	4.0	-7.3	28.2	2.9
Phrae	27.6	0.0	33.6	9.0	103.6	63.0
Uttaradit	28.6	0.0	4.6	-20.8	40.6	-7.1
Bhumibol Dam	28.7	-1.3	1.7	-16.4	12.7	-17.2
Tak	29.7	-0.4	1.5	-11.9	17.9	-8.1
Mae Sot	27.7	0.6	7.3	-1.4	36.2	17.2
Umphang	25.2	1.0	32.4	0.0	41.4	-12.3
Phitsanulok	28.6	-0.5	5.7	-24.8	45.1	-3.4
Lom Sak	28.1	0.2	2.9	-40.1	41.3	-29.5
Phetchabun	28.8	0.2	5.1	-33.3	33.5	-29.5
Wichian Buri	29.1	-0.5	41.2	3.3	45.0	-13.7
Kamphaeng Phet	28.3	-0.6	28.0	-2.4	77.0	31.3
Over the area	27.5	0.0	16.5	-8.1 -33%	58.2	16.3 39%

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	26.7	-0.7	127.3	97.0	177.6	125.9
Loei	26.0	-0.8	35.0	-6.9	100.0	35.4
Udon Thani	26.6	-1.4	98.4	50.9	153.9	80.2
Nakhon Phanom	26.0	-0.9	101.4	52.0	109.8	29.6
Sakon Nakhon	26.1	-1.3	126.6	80.7	141.6	65.9
Mukdahan	26.8	-1.2	38.5	8.9	40.6	-12.3
Khon Kaen	27.3	-1.3	52.7	14.8	63.8	7.8
Kosum Phisai	27.3	-1.2	99.1	51.3	113.9	50.0
Roi Et	27.3	-0.8	64.8	38.0	74.4	22.1
Chaiyaphum	28.3	-0.5	265.6	225.9	275.4	213.7
Ubon Ratchathani	27.9	-0.8	49.9	25.0	51.0	8.4
Tha Tum	27.9	-1.0	8.9	-32.4	10.0	-48.9
Surin	28.1	-0.7	26.5	0.4	26.9	-15.7
Nakhon Ratchasima	28.7	0.0	31.0	-5.1	38.4	-21.7
Chok Chai	28.4	-0.1	11.0	-25.1	12.6	-38.7
Nang Rong	28.1	-0.5	8.2	-33.4	13.3	-50.5
Over the area	27.3	-0.9	71.6	33.9 90%	87.7	28.2 47%

- NOTES :
- 1) Input data are received via ssb radio each day. They have not been certified yet, so this current report has to be checked with monthly weather reports later.
  - 2) Mean temperature is the average of daily maximum and daily minimum
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
March 2008

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	29.6	-0.7	18.8	-14.6	58.4	7.1
Bua Chum	29.2	-0.4	35.3	-4.2	43.7	-9.7
Lop Buri	29.7	0.2	0.0	-25.5	5.7	-36.1
Suphan Buri	29.2	0.3	0.1	-18.2	4.6	-27.5
Thong Pha Phum	28.7	0.0	40.9	-1.7	45.4	-18.4
Kanchanaburi	29.0	-0.9	88.9	61.4	251.1	207.0
Bangkok Airport	29.6	0.7	0.7	-26.2	22.4	-25.0
Bangkok Metropolis	29.6	0.5	3.6	-27.7	135.0	75.0
Over the area	29.3	-0.1	23.5	-7.1 -23%	70.8	21.6 44%

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	29.7	0.1	38.1	-12.0	56.6	-18.3
Kabin Buri	28.8	-0.3	24.1	-24.6	166.7	89.4
Aranyaprathet	29.3	0.0	2.7	-50.3	64.9	-17.9
Chon Buri	29.3	0.4	15.2	-19.3	49.5	-12.6
Ko Sichang	28.7	0.0	15.6	-22.1	60.0	-5.4
Pattaya	28.1	-0.1	46.2	1.0	72.1	0.8
Sattahip	27.8	-0.7	52.0	3.1	175.4	75.9
Rayong	28.1	-0.9	44.0	-22.7	106.2	-18.8
Chanthaburi	28.2	0.5	55.5	-1.2	190.0	84.5
Khlong Yai	27.4	-0.7	187.3	83.0	267.3	48.6
Over the area	28.5	-0.2	48.1	-6.5 -12%	120.9	22.6 23%

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Monthly Current Report  
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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	28.7	0.3	1.1	-16.9	9.1	-22.0
Hua Hin	28.2	0.0	2.6	-25.3	21.9	-34.2
Prachuap Khiri Khan	27.4	-0.1	113.5	69.6	198.5	95.3
Chumphon	27.6	0.0	47.9	-20.0	262.2	60.0
Surat Thani	27.5	-0.1	28.8	-9.2	130.3	33.7
Ko Samui	27.6	-0.6	127.5	61.9	260.2	7.8
Nakhon Si Thammarat	27.2	-0.1	97.5	37.8	641.8	375.3
Songkhla	27.6	-0.8	36.7	-7.2	194.8	59.3
Hat Yai Airport	26.9	-0.6	89.0	33.6	252.4	128.1
Pattani Airport	27.1	0.0	31.2	-8.3	157.2	38.6
Narathiwat	26.8	-0.6	89.9	-4.5	282.9	57.6
Over the area	27.5	-0.2	60.5	10.1 20%	219.2	72.7 50%

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	28.5	0.4	64.9	15.0	99.4	20.8
Takua Pa	27.1	-0.6	222.4	129.1	398.7	231.5
Phuket	29.1	-0.1	31.4	-27.8	200.7	89.5
Phuket Airport	27.8	-0.3	138.2	64.2	323.2	180.7
Ko Lanta	28.3	-0.6	41.1	-12.5	59.9	-20.8
Trang Airport	27.8	-0.3	73.9	9.0	135.1	10.6
Satun	27.9	-0.5	75.1	-23.3	182.0	31.8
Over the area	28.1	-0.3	92.4	21.9 31%	199.9	77.8 64%

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