

## Monthly Weather Summary in Thailand March 2010

Most of the month, the upper Thailand was dominated by heat low pressure cell which brought swelter weather during daytime and very hot weather in some areas. During the second half of the month, high pressure area from China that occasionally extended its ridge to cover upper Thailand where warmer air existed, bringing unseasonable rainfall and thunderstorms with gusty winds and hails to the country especially in upper Thailand. With the confluence of southerly and southeasterly wind prevailing over upper Thailand and westerly trough moving through the northern and northeastern parts in some periods, it contributed to decrease temperature over much of the country. Monthly mean temperatures in all regions were above normal. However cool weather in the morning mainly remained in the northern and northeastern parts of Thailand and cold weather was experienced in some places. Most of the country received below normal rainfall i.e. northern part 13.3 mm (54%), northeastern 27.1 mm (72%), central part 21.9 mm (72%), eastern part 4.2 mm (8%) and southern part (east coast) 1.2 mm (2%), while southern part (west coast) was 2.0 mm (3%) above normal rainfall.

**1 – 10 March:** Hot weather generally occurred in upper Thailand almost the period with very hot weather for few days in some places. Temperatures were obviously increased during daytime, the highest temperature of 41.2 °C was recorded at Amphoe Muang in Tak province on March 8. However in the morning generally cool and cold weather mainly persisted in northern part of Thailand. The minimum temperature of the period was 9.8 °C, at Amphoe Umphang in Tak province on March 4. Isolated to widely scattered rainfall was found for few days in upper Thailand during early and late periods. Scanty rainfall in southern Thailand except for scattered rainfall and heavy to very heavy rainfall in the east coast. The highest daily rainfall of 98.0 mm was measured at Amphoe Muang in Chumporn province on March 10.

**11 – 20 March:** Heat low pressure cell brought swelter weather to most areas. Daytime temperature rose with 40.6 °C highest at Amphoe Chai Badan in Lop Buri province on March 16. However cool and cold conditions in the morning remained in northern and northeastern parts. As a result of westerly trough moved through the northern part on March 19 and generally hot weather persisted in upper Thailand, thunderstorms with hails were observed mainly in upper Thailand during the second half of the period. The maximum daily rainfall of 53.6 mm was reported at Lamphang Agrometeorological station in Lampang province on March 18. Thunderstorms and gusty winds occurred in Uttaradit and Lop Buri on March 16, Ang-Thong on March 17. Thunderstorm and gusty wind with hails were in Phetchabun province on March 16. Southern Thailand obtained isolated to widely scattered rain with isolated heavy rainfall mainly in east coast during early and late periods.

**21 – 31 March:** Temperatures were relatively increased during the first half of the period with the highest temperature of 42.2 °C at Amphoe Muang in Phetchabun province on March 25, it was new March records at the site. After that, the areas of swelter weather were generally reduced. Thailand received rain and heavy rainfall increasingly in most places during the second half of the period. The maximum daily rainfall in upper Thailand was 61.2 mm at Amphoe Chatturat in Chaiyaphum province on March 26. Thunderstorms with gusty winds and hails were most widespread during the second half of the period especially in northern and northeastern parts on March 26 and 30. Southern Thailand obtained the heaviest daily rainfall of 85.2 mm at Amphoe Takua Pa in Phang-nga province on March 31. Gusty wind at Satun provinve on March 27.

**Breaking record maximum temperature in March**

Station	New Record 2010		Old Record		Start year
	Temperature(°C)	Date	Temperature(°C)	Date / Year	
Phetchabun	42.2	25	42.0	24 / 1983	1951
Thong Pha Phum (Kanchanaburi)	41.3	25	40.9	17 / 1998 30 / 1998	1970
Sa Kaeo	39.9	25	39.0	26, 29 / 2004 31 / 2007	1998
Chachoengsao Agromet.Stn.	40.0	25	39.1	22 / 1996 19 / 1998 13 / 2005	1989
Lam Chabang (Chon Buri)	37.5	18	37.3	27 / 1998 22 / 1999	1994
Ko Sichang (Chon Buri)	36.0	18,19,25	35.8	26 / 1960	1959
Sadao (Songkhla)	38.5	3	38.0	13 / 2005	1999
Phuket	37.8	5	37.7	21 / 1998	1952

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**Note** : Rainfall, temperatures and natural disasters in this report were updated up to April 7, 2010.

Climatological Center  
 Meteorological Development Bureau  
 Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
March 2010

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	24.5	0.1	23.9	3.0	24.1	-20.2
Mae Hong Son	28.1	1.8	0.0	-16.6	24.3	-4.8
Phayao	26.5	-0.7	27.9	5.3	68.4	29.5
Chiang Mai	27.8	1.1	4.3	-13.0	26.0	-8.2
Tha Wang Pha	26.2	0.2	22.2	-13.4	81.9	25.1
Nan	27.5	1.2	34.0	2.4	54.9	2.9
Lamphun	28.2	0.3	2.3	-10.8	16.4	-5.0
Lampang	28.5	1.1	34.4	13.9	58.5	24.8
Mae Sariang	26.9	0.5	0.0	-11.3	13.0	-12.3
Phrae	28.3	0.7	0.4	-24.2	33.0	-7.6
Uttaradit	29.0	0.4	0.0	-25.4	12.5	-35.2
Bhumibol Dam	30.0	0.0	2.0	-16.1	57.5	27.6
Tak	30.7	0.6	0.7	-12.7	38.6	12.6
Mae Sot	27.8	0.7	5.4	-3.3	16.9	-2.1
Umphang	25.2	1.0	22.0	-10.4	57.1	3.4
Phitsanulok	29.6	0.5	0.0	-30.5	32.1	-16.4
Lom Sak	29.1	1.2	1.0	-42.0	62.0	-8.8
Phetchabun	29.8	1.2	6.8	-31.6	38.3	-24.7
Wichian Buri	29.9	0.3	14.1	-23.8	28.1	-30.6
Kamphaeng Phet	29.2	0.3	25.0	-5.4	49.7	4.0
Over the area	28.1	0.6	11.3	-13.3 -54%	39.7	-2.2 -5%

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	28.2	0.8	7.2	-23.1	80.9	29.2
Loei	27.6	0.8	5.8	-36.1	37.8	-26.8
Udon Thani	28.3	0.3	7.1	-40.4	89.5	15.8
Nakhon Phanom	27.9	1.0	0.0	-49.4	79.0	-1.2
Sakon Nakhon	28.1	0.7	25.3	-20.6	118.9	43.2
Mukdahan	28.7	0.7	0.0	-29.6	10.4	-42.5
Khon Kaen	29.0	0.4	0.1	-37.8	86.4	30.4
Kosum Phisai	29.2	0.7	0.7	-47.1	31.4	-32.5
Roi Et	28.9	0.8	15.2	-11.6	47.0	-5.3
Chaiyaphum	29.5	0.7	7.0	-32.7	62.0	0.3
Ubon Ratchathani	29.4	0.7	0.1	-24.8	34.7	-7.9
Tha Tum	29.3	0.4	7.5	-33.8	39.8	-19.1
Surin	29.3	0.5	26.2	0.1	46.1	3.5
Nakhon Ratchasima	29.4	0.7	47.4	11.3	113.6	53.5
Chok Chai	28.9	0.4	6.5	-29.6	114.6	63.3
Nang Rong	28.7	0.1	13.1	-28.5	90.2	26.4
Over the area	28.8	0.6	10.6	-27.1 -72%	67.6	8.1 14%

- 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  
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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	30.7	0.4	0.0	-33.4	26.0	-25.3
Bua Chum	31.5	1.9	38.4	-1.1	103.8	50.4
Lop Buri	30.1	0.6	0.1	-25.4	7.2	-34.6
Suphan Buri	29.5	0.6	3.1	-15.2	3.9	-28.2
Thong Pha Phum	29.7	1.0	0.0	-42.6	12.5	-51.3
Kanchanaburi	30.5	0.6	9.5	-18.0	17.9	-26.2
Bangkok Airport	30.1	1.2	3.6	-23.3	145.6	98.2
Bangkok Metropolis	30.3	1.2	14.6	-16.7	117.4	57.4
Over the area	30.3	0.9	8.7	-21.9 -72%	54.3	5.1 10%

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	30.1	0.5	35.0	-15.1	102.4	27.5
Kabin Buri	29.3	0.2	14.9	-33.8	73.9	-3.4
Aranyaprathet	30.4	1.1	65.2	12.2	93.1	10.3
Chon Buri	30.1	1.2	19.1	-15.4	103.6	41.5
Ko Sichang	29.7	1.0	43.8	6.1	58.4	-7.0
Pattaya	29.1	0.9	8.5	-36.7	48.6	-22.7
Sattahip	28.9	0.4	71.3	22.4	175.2	75.7
Rayong	29.3	0.3	35.9	-30.8	104.9	-20.1
Chanthaburi	28.8	1.1	77.0	20.3	207.4	101.9
Khlong Yai	28.5	0.4	133.3	29.0	276.5	57.8
Over the area	29.4	0.7	50.4	-4.2 -8%	124.4	26.1 27%

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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	29.4	1.0	9.4	-8.6	99.3	68.2
Hua Hin	29.2	1.0	8.1	-19.8	33.0	-23.1
Prachuap Khiri Khan	28.8	1.3	110.6	66.7	131.2	28.0
Chumphon	28.3	0.7	157.9	90.0	254.5	52.3
Surat Thani	28.6	1.0	1.5	-36.5	57.6	-39.0
Ko Samui	28.8	0.6	77.4	11.8	189.9	-62.5
Nakhon Si Thammarat	27.9	0.6	79.4	19.7	261.9	-4.6
Songkhla	28.9	0.5	22.5	-21.4	92.1	-43.4
Hat Yai Airport	28.7	1.2	20.9	-34.5	90.0	-32.7
Pattani Airport	28.5	1.4	27.0	-12.5	75.2	-43.4
Narathiwat	28.1	0.7	27.0	-67.4	185.4	-39.9
Over the area	28.7	1.0	49.2	-1.2 -2%	133.6	-12.8 -9%

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	29.0	0.9	46.2	-3.7	87.1	8.5
Takua Pa	28.5	0.8	132.1	38.8	219.5	52.3
Phuket	30.6	1.4	76.6	17.4	213.7	102.5
Phuket Airport	29.2	1.1	54.1	-19.9	150.9	8.4
Ko Lanta	29.7	0.8	16.7	-36.9	64.5	-16.2
Trang Airport	29.4	1.3	24.3	-40.6	108.4	-16.1
Satun	29.3	0.9	157.8	59.4	293.5	143.3
Over the area	29.4	1.0	72.5	2.0 3%	162.5	40.4 33%

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