

## Monthly Weather Summary in Thailand

### March 2016

Due to a heat low pressure cell dominating over upper Thailand, the weather in Thailand was swelter nearly the whole March especially in the northern, northeastern and the upper portion of the central and eastern parts experienced consecutive of very hot weather during the middle of the month. The monthly mean temperature over Thailand was higher than normal in every parts and the new highest record of maximum temperature in some areas was established. Moreover, there was no measurable rain nationwide nearly the whole month, except for during last week, unseasonable rain with thundershower and gusty wind was reported in some areas affected by the expanding of the high pressure areas from China coupled with the prevailing of the southeasterly wind and the passage of the westerly trough over the northern and northeastern part on March 31. Monthly rainfall was below normal in all parts of the country i.e. northern part 11.0 mm (39%), northeastern part 42.6 mm (95%), central part 15.5 mm (43%), eastern part 35.2 mm (57%), southern part (east coast) 50.8 mm (74%) and southern part (west coast) 80.8 mm (90%).

**1 – 10 March:** During early period, high pressure areas from China extending its ridge to cover upper Thailand causing cool weather in the morning. After that, the high pressure areas was weakened and the southeasterly wind prevailing over upper Thailand during the second half of the period as well as the heat low pressure cell covering upper Thailand during late period resulted in hot weather during daytime nearly the whole areas of upper Thailand from mid-period with very hot weather during late period. The highest maximum temperature was 41.6 °C at Tha Phra Agromet. Stn. in Khon Kaen province on March 10. For rainfall, there was no rain reported in Thailand, except for isolated rain with very heavy rainfall of 138.2 mm at Khlong Yai in Trat province on March 6. Scanty rain was observed in southern part with hot weather along the west coast. The maximum daily rainfall was 20.0 mm at Lang Suan Agricultural Extension Office in Chumphon provinces on March 1.

**11 – 20 March:** Heat low pressure cell covered upper Thailand throughout the period accompanied with the prevailing of the southeasterly wind over the lower northeastern, central, eastern and southern parts during the first half of the period. These caused hot weather persisted in Thailand with very hot weather in several areas of upper Thailand especially during March 17-20, successive of very hot weather in the areas of the northern, northeastern and the upper portion of the central and eastern parts was pronounced. The highest maximum temperature was 41.8 °C at Amphoe Mueang in Nakhon Sawan province on March 19. There was no measurable rainfall in the northern, northeastern and central parts, except for unexpected rainfall was observed in eastern part during early period. The highest daily rainfall of 31.4 mm was recorded at Khlung in Chanthaburi province on March 11. In southern part, scanty rain was reported almost the whole period and the maximum daily rainfall was 3.3 mm at Amphoe Mueang in Krabi province on March 12.

**21 – 31 March:** Heat low pressure cell persisted over upper Thailand during early period causing swelter weather in upper Thailand. The highest maximum temperature was 42.3 °C at Amphoe Mueang in Kanchanaburi province on March 22. After that, due to the combination of the high pressure area extending to cover upper Thailand, the prevailing of the southeasterly wind over the central, eastern and southern parts coupled with the passage of the westerly trough to northern and upper northeastern part on the last day of the period led to decreasing in temperature during mid-period especially in the northeastern part and it rose to hot weather in almost areas during late

period. For rainfall, unusual rainfall was observed during the middle and the end of the period mainly in the northern, central and eastern parts. The maximum daily rainfall in upper Thailand was 73.9 mm at Bang Phli in Samut Prakan province on March 27. Thundershower occurred at Tak province on March 25 and at Lampang province on March 26 and gusty wind occurred at Tak, Sa Kaeo, Chon Buri and Chanthaburi provinces on March 25 and at Lampang province on March 27. In southern part, hot weather remained especially along the west coast and scanty rain was found in some areas. The highest daily rainfall was 88.5 mm at Amphoe Muang in Chumphon province on March 28.

#### Breaking record of daily maximum temperature over Thailand in March 2016

Station	New Record 2016		Previous Record		Start Year
	Temperature(°C )	Date	Temperature(°C )	Date / Year	
Pichit Agromet. Stn.	39.9	24	38.8	15/2015	1993
Tha Phra Agromet. Stn.	41.6	10	41.2	29/2536	1970
Kosum Phisai	41.7	24	41.5	21/1996	1970
Roi Et	40.7	18	40.5	26/1958	1955
Si Sa Ket	40.5	20, 22	40.2	31/2007	1983
Surin Agromet. Stn.	41.3	22	41.1	18/1986	1969
				31/2007	
Chok Chai	41.2	18	40.5	31/1986	1970
				16,22/1998	
Burirum	41.5	18,22	41.2	29/2013	2003
Nakhon Sawan	41.8	19	41.4	20/1986	1951
Tak Fa Agromet. Stn.	40.2	19,22,24	40.0	29,30/1987	1969
				29/1993	
Chai Nat Agromet. Stn.	40.5	22	39.7	11/1980	1970
Ayutthaya Agromet. Stn.	40.0	22	39.1	27/2013	1994
Kanchanaburi	42.3	22	42.1	18/1998	1952
Ratchaburi Agromet. Stn.	40.0	24	39.5	16/2007	1993
Sa Kaeo	40.9	17	40.0	28/2013	1998
Aranyaprathet	40.7	18	40.3	30/2007	1952
				31/2013	
Chawang	39.5	17	39.1	11/1998	1998
Phatthalung	36.3	23	35.8	8/1999	1981
Hat Yai	38.6	23	38.3	24/1982	1973
Songkhla	39.2	20	39.1	26/2541	1994

**Note** : Rainfall, temperatures and natural disasters in this report were updated up to April 4, 2016

Climatological Center  
 Meteorological Development Bureau  
 Meteorological Department

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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	26.1	1.5	0.0	-28.2	37.4	-12.1
Mae Hong Son	28.4	1.7	0.0	-16.8	28.2	-1.0
Phayao	27.4	1.0	0.5	-29.7	50.3	5.2
Chiang Mai	29.4	2.3	0.0	-17.8	79.5	48.6
Tha Wang Pha	26.5	0.6	0.0	-33.5	46.2	-3.3
Nan	27.8	1.0	0.0	-32.7	68.6	19.6
Lamphun	29.4	1.7	5.9	-7.2	50.7	29.9
Lampang	29.2	1.2	0.0	-22.8	116.5	82.1
Mae Sariang	27.4	1.4	0.0	-14.2	34.8	12.6
Phrae	29.6	1.7	0.0	-27.6	33.3	-8.9
Uttaradit	30.3	1.6	0.0	-23.4	27.3	-16.1
Bhumibol Dam	31.4	1.7	0.0	-21.1	41.7	11.1
Tak	31.3	1.1	0.0	-12.1	38.9	16.0
Mae Sot	28.3	1.1	2.2	-13.3	55.8	30.4
Umphang	25.3	0.9	10.0	-37.9	40.4	-23.4
Phitsanulok	29.9	0.7	0.2	-26.5	43.3	-0.8
Lom Sak	29.4	1.4	6.2	-37.6	53.7	-12.0
Phetchabun	30.0	1.3	0.0	-47.9	42.2	-27.4
Wichian Buri	30.7	1.2	0.0	-50.6	0.1	-70.8
Kamphaeng Phet	30.2	1.5	5.3	-31.4	28.2	-23.9
Over the area	28.9	1.3	1.5	-26.6 -95%	45.9	2.8 6%

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	28.5	0.9	3.2	-36.6	85.0	19.6
Loei	27.8	0.9	9.6	-29.7	44.1	-17.5
Udon Thani	28.9	0.9	0.5	-49.2	30.6	-47.4
Nakhon Phanom	28.2	1.2	2.3	-57.8	32.0	-62.1
Sakon Nakhon	28.4	1.2	2.8	-54.7	17.4	-74.1
Mukdahan	28.8	1.1	2.3	-36.5	16.1	-43.8
Khon Kaen	29.6	1.1	1.0	-41.1	28.9	-38.6
Kosum Phisai	30.0	1.6	1.4	-50.4	42.2	-28.1
Roi Et	29.6	1.4	1.4	-39.8	24.3	-39.7
Chaiyaphum	30.3	1.5	0.0	-51.3	105.7	35.6
Ubon Ratchathani	29.9	1.0	1.2	-29.3	26.7	-21.2
Tha Tum	29.5	0.8	0.0	-44.2	31.4	-34.0
Surin	30.1	1.4	0.0	-45.6	16.0	-46.7
Nakhon Ratchasima	30.5	1.6	0.0	-37.1	38.0	-23.4
Chok Chai	30.2	1.7	0.0	-37.5	33.7	-22.6
Nang Rong	29.8	1.4	8.4	-39.5	23.6	-48.6
Over the area	29.4	1.2	2.1	-42.6 -95%	37.2	-30.8 -45%

- 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.

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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	31.5	1.3	0.0	-33.1	6.8	-42.5
Bua Chum	30.7	1.2	0.4	-45.4	6.4	-55.2
Lop Buri	30.5	1.0	2.6	-29.5	57.4	12.7
Suphan Buri	30.1	1.1	40.2	21.3	88.9	59.4
Thong Pha Phum	29.4	0.6	51.0	4.6	54.8	-13.4
Kanchanaburi	30.6	0.9	0.4	-28.6	56.2	5.7
Bangkok Airport	30.2	0.7	15.1	-25.3	68.1	7.3
Bangkok Metropolis	30.0	0.5	54.1	12.0	126.7	51.3
Over the area	30.4	0.9	20.5	-15.5 -43%	58.2	3.2 6%

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	30.7	1.2	15.3	-34.6	39.9	-33.5
Kabin Buri	30.3	1.2	4.1	-47.4	23.1	-62.3
Aranyaprathet	31.2	1.6	6.1	-46.3	11.0	-74.4
Chon Buri	30.4	1.2	1.4	-46.1	104.3	32.6
Ko Sichang	29.4	0.7	0.0	-49.6	55.1	-21.1
Pattaya	28.8	0.6	17.6	-35.7	111.5	28.3
Sattahip	28.7	0.1	27.7	-31.1	110.3	6.5
Rayong	29.1	0.1	1.7	-68.6	115.4	-12.1
Chanthaburi	29.4	1.3	38.0	-33.9	79.4	-47.6
Khlong Yai	29.0	1.1	157.1	41.8	326.5	88.0
Over the area	29.7	0.9	26.9	-35.2 -57%	97.7	-9.6 -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	29.4	0.9	2.5	-30.6	7.0	-41.4
Hua Hin	29.0	0.6	0.0	-53.9	41.8	-39.2
Prachuap Khiri Khan	28.3	0.4	88.9	17.1	140.6	22.6
Chumphon	28.4	0.6	88.6	-8.6	205.1	3.8
Surat Thani	28.3	0.8	0.0	-24.0	89.1	16.0
Ko Samui	28.6	0.4	0.0	-80.8	164.9	-56.5
Nakhon Si Thammarat	27.9	0.5	0.0	-89.7	233.0	-70.3
Songkhla	28.7	0.6	0.0	-59.7	217.0	33.9
Hat Yai Airport	28.3	0.7	0.0	-75.1	153.6	0.3
Pattani Airport	28.4	1.1	0.0	-49.4	76.8	-55.5
Narathiwat	28.2	0.9	13.5	-103.9	361.5	88.8
Over the area	28.5	0.7	17.6	-50.8 -74%	153.7	-8.9 -5%

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	29.5	1.1	0.0	-65.2	94.3	3.1
Takua Pa	28.8	1.1	54.3	-60.3	74.4	-120.7
Phuket	30.5	1.3	0.0	-73.5	65.8	-61.9
Phuket Airport	29.6	1.3	4.3	-96.0	253.5	89.8
Ko Lanta	29.7	0.9	0.0	-62.5	35.2	-60.2
Trang Airport	29.6	1.5	0.0	-83.4	85.8	-50.9
Satun	30.4	2.0	2.8	-119.2	35.3	-153.7
Over the area	29.7	1.3	8.8	-80.0 -90%	92.0	-50.7 -36%

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