

## Monthly Weather Summary in Thailand

### March 2015

Due to a heat low pressure cell dominating over the upper Thailand during mid-March, hot weather persisted in upper Thailand almost the whole month with very hot weather in some areas of northern and central parts. The monthly mean temperature over Thailand was higher than normal especially 1.1 °C above normal in northeastern part and the daily maximum temperature in some areas was its highest record for March. However the high pressure area from China occasionally extended its ridge to cover upper Thailand and the South China Sea nearly the whole month accompany with southeasterly wind prevailed over Thailand during early and mid-March, leading to morning cool and cold weather in upper northern part with cool in southern part. During early and mid-March, Thailand was the period of scanty rainfall after that unseasonably rainfall with thundershower, gusty wind and hail occurred in some areas especially in the northern, central and eastern parts affected by the westerly trough over the northern and northeastern parts and easterly wind. Monthly rainfall was below normal in most parts of the country i.e. northeastern part 10.1 mm (23%), eastern part 7.9 mm (13%), southern part (east coast) 51.7 mm (76%) and southern part (west coast) 78.4 mm (88%) while it was inversely above normal in northern part 11.0 mm (39%) and central part 53.0 mm (147%).

**1 – 10 March:** The high pressure areas from China extending its ridge to cover upper northeastern part of Thailand and the South China Sea during early and late period coupled with the prevailing of the moderate to rather active southeasterly wind over Thailand almost the period. These caused morning cool weather in most areas of northern and southern parts especially in the upper northern part where experienced cold weather in some areas. Meanwhile, daytime temperature was increasing with hot weather nearly the whole areas of upper Thailand and very hot weather in some areas. The highest maximum temperature was 40.5 °C at Amphoe Thoen in Lampang province on March 3 and at Bhumipol Dam in Tak province on March 6. For rainfall, there was intermittent rainfall in most areas of Thailand especially in southern Thailand. Except for scattered to fairly widespread rain with thundershower and hail in some areas of the northeastern, central and eastern parts during March 1-2. The maximum daily rainfall of 77.5 mm was measured at Amphoe Phra Nakhon Si Ayutthaya in Phra Nakhon Si Ayutthaya province on March 1. Thundershower occurred at Udon Thani province on March 10. Hails were reported at Lop Buri and Prachin Buri provinces on March 1.

**11 – 19 March:** Heat low pressure cell covered upper Thailand during the second half of the period accompanied with the prevailing of the southeasterly wind over Thailand throughout the period. These caused hot weather persisted in most areas of Thailand nearly the whole period with very hot weather in some areas of the northern and central parts. The highest maximum temperature was 42.0 °C at Bhumipol Dam in Tak province on March 19. However cool weather remains in the morning mainly in upper northern and southern parts and cold weather in some areas of upper northern part. While less rainfall continued in nearly the whole region of Thailand especially no measurable rainfall in the central and southern parts, except for increasing in rainfall and thundershower in the northeastern part during early period. The highest daily rainfall of 65.0 mm was recorded at Ban Phaeng in Nakhon Phanom province on March 13. Thunderstorm occurred at Kamphaeng Phet and Buri Ram provinces on March 11 and at Buri Ram and Khon Kaen provinces on March 14. Hail was reported at Loei province on March 12.

**20 – 31 March:** The combination of the passage of the westerly trough to northern part, the high pressure area and the prevailing of the easterly wind led to more rain nearly all areas of Thailand especially in northern, central and eastern parts with thunder shower, gusty winds and hails in some areas while the temperature was generally decreased from the previous period. The maximum daily rainfall in upper Thailand was 127.3 mm at Thonburi Commercial College in Bangkok on March 24 while the maximum rainfall in southern part was 48.6 mm at Amphoe Yi-ngo in Narathiwat province on March 27. Thundershowers occurred at Phitsanulok, Phichit, Si Sa Ket, Surin, Chaiyaphum and Maha Sarakham provinces on March 21, at Chiang Rai and Bangkok on March 24, at Nakhon Nayok province on March 25, at Prachin Buri on March 27, at Chiang Rai, Phrae and Nakhon Nayok provinces on March 28 and at Lanpang and Phra Nakhon Si Ayutthaya provinces on March 29. Hails were reported at Phrae and Kamphaeng Phet provinces on March 21. However the weather remained hot during daytime in several areas mainly in northern, central and southern parts during early and late periods with very hot weather in some areas of northern part on March 20 and 21. The highest maximum temperature was 41.5 °C at Amphoe Thoen in Lampang province on March 20.

#### Breaking record of daily maximum temperature over Thailand in March 2015

Station	New Record 2015		Previous Record		Start Year
	Temperature(°C )	Date	Temperature(°C )	Date / Year	
Doi Angkhang (Chiang Mai)	31.0	21	30.7	31/ 2014	2006
Phichit Agromet. Stn.	38.8	15	38.7	16/2014	1992

**Note :** Rainfall, temperatures and natural disasters in this report were updated up to April 7, 2015.

Climatological Center  
 Meteorological Development Bureau  
 Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
March 2015

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	25.1	0.5	22.4	-5.8	80.9	31.4
Mae Hong Son	27.6	0.9	11.6	-5.2	20.8	-8.4
Phayao	26.4	0.0	43.2	13.0	120.4	75.3
Chiang Mai	27.9	0.8	27.5	9.7	106.4	75.5
Tha Wang Pha	26.8	0.9	32.8	-0.7	99.2	49.7
Nan	27.8	1.0	39.1	6.4	101.5	52.5
Lamphun	28.1	0.4	48.2	35.1	110.4	89.6
Lampang	28.3	0.3	29.0	6.2	108.5	74.1
Mae Sariang	27.0	1.0	34.2	20.0	62.6	40.4
Phrae	28.5	0.6	15.5	-12.1	88.3	46.1
Uttaradit	29.6	0.9	18.9	-4.5	62.1	18.7
Bhumibol Dam	30.2	0.5	66.4	45.3	132.9	102.3
Tak	30.7	0.5	23.4	11.3	79.2	56.3
Mae Sot	27.9	0.7	24.9	9.4	91.5	66.1
Umphang	25.2	0.8	108.0	60.1	135.2	71.4
Phitsanulok	29.2	0.0	56.9	30.2	92.5	48.4
Lom Sak	28.8	0.8	16.2	-27.6	45.0	-20.7
Phetchabun	29.2	0.5	41.7	-6.2	55.3	-14.3
Wichian Buri	29.6	0.1	114.4	63.8	127.1	56.2
Kamphaeng Phet	29.7	1.0	7.6	-29.1	50.4	-1.7
Over the area	28.2	0.6	39.1	11.0 39%	88.5	45.4 105%

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	29.1	1.5	37.4	-2.4	102.7	37.3
Loei	27.5	0.6	35.7	-3.6	92.3	30.7
Udon Thani	28.9	0.9	39.2	-10.5	89.2	11.2
Nakhon Phanom	29.0	2.0	12.8	-47.3	32.7	-61.4
Sakon Nakhon	28.2	1.0	77.7	20.2	172.7	81.2
Mukdahan	29.4	1.7	4.6	-34.2	35.7	-24.2
Khon Kaen	29.2	0.7	39.2	-2.9	81.6	14.1
Kosum Phisai	29.8	1.4	16.1	-35.7	46.8	-23.5
Roi Et	29.3	1.1	43.2	2.0	85.3	21.3
Chaiyaphum	30.2	1.4	0.9	-50.4	26.4	-43.7
Ubon Ratchathani	29.7	0.8	5.0	-25.5	47.1	-0.8
Tha Tum	29.6	0.9	68.8	24.6	78.3	12.9
Surin	29.5	0.8	34.6	-11.0	56.1	-6.6
Nakhon Ratchasima	30.0	1.1	47.1	10.0	65.2	3.8
Chok Chai	29.5	1.0	45.3	7.8	83.9	27.6
Nang Rong	29.5	1.1	45.7	-2.2	59.2	-13.0
Over the area	29.3	1.1	34.6	-10.1 -23%	72.2	4.2 6%

- 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  
March 2015

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	30.6	0.4	58.6	25.5	72.0	22.7
Bua Chum	29.8	0.3	121.8	76.0	132.6	71.0
Lop Buri	29.7	0.2	68.4	36.3	85.8	41.1
Suphan Buri	29.6	0.6	59.4	40.5	70.9	41.4
Thong Pha Phum	29.4	0.6	61.7	15.3	93.7	25.5
Kanchanaburi	30.3	0.6	25.2	-3.8	108.7	58.2
Bangkok Airport	29.7	0.2	133.0	92.6	135.9	75.1
Bangkok Metropolis	29.5	0.0	183.9	141.8	204.2	128.8
Over the area	29.8	0.3	89.0	53.0 147%	113.0	58.0 105%

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	29.9	0.4	148.8	98.9	181.0	107.6
Kabin Buri	29.4	0.3	31.5	-20.0	67.5	-17.9
Aranyaprathet	30.3	0.7	47.1	-5.3	68.9	-16.5
Chon Buri	29.6	0.4	81.0	33.5	94.6	22.9
Ko Sichang	28.9	0.2	32.0	-17.6	57.4	-18.8
Pattaya	28.5	0.3	68.0	14.7	77.4	-5.8
Sattahip	28.6	0.0	46.6	-12.2	60.5	-43.3
Rayong	28.7	-0.3	28.9	-41.4	69.1	-58.4
Chanthaburi	28.5	0.4	18.8	-53.1	77.7	-49.3
Khlong Yai	28.5	0.6	39.3	-76.0	63.9	-174.6
Over the area	29.1	0.3	54.2	-7.9 -13%	81.8	-25.5 -24%

- 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  
March 2015

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	29.2	0.7	47.3	14.2	65.7	17.3
Hua Hin	28.7	0.3	14.2	-39.7	39.6	-41.4
Prachuap Khiri Khan	28.3	0.4	66.3	-5.5	83.4	-34.6
Chumphon	28.3	0.5	32.1	-65.1	136.3	-65.0
Surat Thani	28.2	0.7	0.0	-24.0	29.0	-44.1
Ko Samui	28.3	0.1	5.0	-75.8	85.1	-136.3
Nakhon Si Thammarat	27.7	0.3	0.2	-89.5	88.0	-215.3
Songkhla	28.2	0.1	9.5	-50.2	65.7	-117.4
Hat Yai Airport	27.9	0.3	0.0	-75.1	6.6	-146.7
Pattani Airport	27.5	0.2	0.6	-48.8	11.0	-121.3
Narathiwat	27.5	0.2	8.0	-109.4	110.7	-162.0
Over the area	28.2	0.4	16.7	-51.7 -76%	65.6	-97.0 -60%

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	29.1	0.7	3.3	-61.9	3.9	-87.3
Takua Pa	28.4	0.7	21.7	-92.9	101.0	-94.1
Phuket	30.0	0.8	0.6	-72.9	9.8	-117.9
Phuket Airport	29.2	0.9	1.2	-99.1	52.6	-111.1
Ko Lanta	28.8	0.0	0.0	-62.5	98.8	3.4
Trang Airport	28.9	0.8	10.0	-73.4	36.9	-99.8
Satun	29.3	0.9	35.9	-86.1	78.0	-111.0
Over the area	29.1	0.7	10.4	-78.4 -88%	54.4	-88.3 -62%

- 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.

















