

## Monthly Weather Summary in Thailand April 2018

In April 2018, although the heat low pressure cell occasionally covered upper Thailand, the weather was not as hot as usual due to the intermittent rainfall and thunderstorm with hail inducing temperature decreased. Meanwhile, the high pressure area from China occasionally extended its ridge to cover upper Thailand during the first half of the month and the end of the month, the passage of the westerly trough passed over the northern part during the beginning and the end of the month. The southerly and southeasterly winds prevailed over upper Thailand during the beginning and the middle of the month. The easterly wind prevailed over the southern part and the Gulf of Thailand during the beginning and the middle of the month. The low pressure cell over the Strait of Malacca was intensified and moved into the upper Andaman Sea during the end of the month. These cause much rainfall to upper Thailand and southern part east coast, inducing above normal rainfall and below normal temperature. The mean monthly temperature was lower by 0.8 °C than normal. The country received above average amount of rainfall with the deviation of 52% above normal. The monthly rainfall was above normal in almost parts: northern part 28.0 mm (39%), northeastern part 33.3 mm (39%), central part 77.7 mm (98%), eastern part 93.0 mm (94%) and southern part (east coast) 64.3 mm (85%) but otherwise it was below normal in southern part (west coast) 8.6 mm (5%).

**1 – 10 April:** The weak high pressure areas covered upper Thailand and the South China Sea during early period and another ridge of high pressure areas extended to reinforce over mentioned areas and weakened later. In addition, the westerly trough moved to cover the northern part of Thailand and upper Laos coupled with the southerly and southeasterly winds prevailed over upper Thailand during mid-period. These caused unseasonable rainfall during early and mid-period after that rainfall relatively decreased. The maximum daily rainfall in upper Thailand was 122.4 mm at Chai Badan in Lop Buri province on April 5. Gusty winds was reported at Lampang and Chai Nat provinces on April 2 and 5 and at Phayao, Phrae and Chachoengsao provinces on April 2 and at Phetchabun, Phichit, Chiang Rai, Lampang, Nan, Loei and Nakhon Ratchasima provinces on April 4 and at Mae Hong Son, Sakon Nakhon, Buriram, Maha Sarakham and Lop Buri provinces on April 5 and at Lamphun, Phayao, Tak, Khon Kaen, Udon Thani, Loei, Kalasin and Nong Bua Lam Phu provinces on April 6 and at Phrae province on April 7. However, upper Thailand experienced hot weather in general during April 3-6 and the last day of the period. The highest maximum temperature was 39.0 °C at Mae Sariang in Mae Hong Son province on April 1. In southern part, eastern coast experienced isolated to scattered rain except for scattered to fairly widespread rain with heavy to very heavy rainfall in some areas during late period because of active easterly wind. While eastern coast experienced widespread rain with heavy rainfall in some areas on the first and the last day of the period and isolated to scattered rain with heavy rainfall in some areas for the rest of the days. The maximum daily rainfall in southern part was 125.2 mm at Chai Buri in Surat Thani province on April 2 with the occurrence of gusty wind at Surat Thani province on April 4.

**11 – 20 April:** The heat low pressure cell continue covered upper Thailand during the first half of the period and also during the end of the period in addition with the southeasterly wind prevailed over upper Thailand at that time. The weather in upper Thailand was hot with very hot weather in some areas in the northern, northeastern and central. The highest maximum temperature was 41.6 °C at Thoen in Lampang province on April 15. For rainfall, by the extending of the high

pressure area from China to cover upper Thailand while warmer air existing caused unusual rainfall in upper Thailand with thunderstorm and gusty wind in several areas. The highest daily rainfall of 112.4 mm was recorded at King Amphoe Ko Kut in Trat province on April 17. Thunderstorm with gusty wind was reported at Phetchabun province on April 12 and at Chiang Mai province on April 15 and gusty wind occurred at Loei, Nakhon Ratchasima, Ubon Ratchathani and Roi Et provinces on April 13 and at Lampang, Phichit and Surin provinces on April 14 and at Nan, Kamphaeng Phet, Nong Khai, Nakhon Phanom, Khon Kaen, Mahasarakham, Kalasin, Sakon Nakhon, Udon Thani, Nong Bua Lam Phu, Chaiyaphum, Nakhon Sawan and Saraburi provinces on April 15. In southern part, hot weather remained in many areas. With the easterly wind prevailed over the southern part and the Gulf of Thailand, isolated rain was found almost the period and heavy to very heavy rainfall in some areas was reported on April 17 and April 19. The highest daily rainfall in southern part was 95.3 mm at Hua Hin in Prachuap Khiri Khan province on April 17.

**21 – 30 April:** During the first half of the period, the heat low pressure cell covering upper Thailand caused hot weather in almost of the areas in upper Thailand with very hot weather in some areas in the northern and northeastern parts during this time. After that temperature decreased but hot weather was still persisting in some areas. The maximum temperature was 41.0 °C at Amphoe Mueang in Tak province on April 24. For rainfall, the effect of high pressure area from China extending to cover upper Thailand, the passage of the westerly trough over the northern part during mid-period and the prevailing of the southeasterly wind over upper Thailand almost period resulted in abundant rainfall during the second half of the period with fairly widespread to widespread rain and heavy to very heavy rainfall in some areas. The maximum daily rainfall in upper Thailand was 146.0 mm Pak Chong Agriculture Office in Nakhon Ratchasima province on April 29. Thunderstorm and gusty wind was reported at Mukdahan, Si Sa Ket and Surin provinces on April 23 and at Chiang Rai, Chiang Mai, Lamphun, Lampang, Phayao, Phichit, Kamphaeng Phet, Loei, Udon Thani, Bung Kan, Sakon Nakhon and Ubon Ratchathani provinces on April 24 and at Nan, Phrae, Phetchabun, Mahasarakham, Nong Bua Lam Phu, Khon Kaen, Udon Thani, Nong Khai, Surin and Burirum provinces on April 25 and at Chai Nat, Lop Buri, Uthai Thani, Saraburi, Samut Songkhram and Samut Sakhon provinces on April 26 and at Tak and Sa Kaeo provinces on April 26 and at Chanthaburi province on April 28. Hail was observed at Udon Thani and Nong Khai provinces on April 25. In southern part, the low pressure cell covering the Strait of Malacca during mid-period was intensified and moved to cover the upper Andaman Sea during late period inducing abundant rainfall during the middle and the end of the period. The highest daily rainfall in southern part was 144.0 mm at Lang Suan Agriculture Office in Chumphon province on April 29 with the occurrence of the gusty wind at Yala province on April 25 and at Prachuap Khiri Khan and Surat Thani provinces on April 26.

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**Note :** Rainfall, temperatures and natural disasters in this report were updated up to May 4, 2018.

Climatological Center  
Meteorological Development Division  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
April 2018

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	25.9	-1.2	136.6	38.7	186.8	39.4
Mae Hong Son	29.4	-0.7	45.1	-18.1	58.0	-34.4
Phayao	26.6	-2.1	200.6	111.4	243.2	108.9
Chiang Mai	28.8	-0.5	36.3	-21.0	47.2	-41.0
Tha Wang Pha	27.5	-0.8	148.2	45.7	260.8	108.8
Nan	28.0	-1.0	136.9	37.3	192.0	43.4
Lamphun	28.5	-1.6	123.3	78.8	124.7	59.4
Lampang	28.7	-1.3	131.9	66.0	172.1	71.8
Mae Sariang	29.8	0.5	23.3	-21.4	23.7	-43.2
Phrae	28.7	-1.3	211.4	129.3	314.5	190.2
Uttaradit	29.5	-1.3	72.7	1.7	95.6	-18.8
Bhumibol Dam	29.6	-1.3	22.1	-44.0	57.5	-39.2
Tak	30.0	-1.5	26.4	-31.2	119.0	38.5
Mae Sot	29.7	0.6	17.2	-27.6	22.6	-47.6
Umphang	25.6	-0.5	102.6	1.3	186.6	21.5
Phitsanulok	29.7	-1.1	63.9	8.2	103.6	3.8
Lom Sak	28.3	-0.9	118.7	55.5	212.9	84.0
Phetchabun	29.2	-0.6	80.8	4.8	223.9	78.3
Wichian Buri	29.4	-1.0	170.8	80.9	239.6	78.8
Kamphaeng Phet	29.2	-1.2	117.7	64.9	210.3	105.4
Over the area	28.6	-0.9	99.3	28.0 39%	154.7	40.3 35%

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	28.7	-0.8	191.7	108.3	218.9	70.1
Loei	27.1	-1.3	121.6	18.9	212.2	47.9
Udon Thani	28.7	-1.1	184.1	110.0	203.8	51.7
Nakhon Phanom	28.0	-1.0	142.1	41.0	247.0	51.8
Sakon Nakhon	28.0	-1.1	52.0	-41.3	161.0	-23.8
Mukdahan	28.5	-1.1	38.0	-38.4	157.3	21.0
Khon Kaen	28.4	-1.5	206.2	116.6	240.6	83.5
Kosum Phisai	28.8	-1.3	188.8	99.8	257.9	98.6
Roi Et	28.6	-1.2	109.7	33.8	173.6	33.7
Chaiyaphum	29.3	-0.7	75.4	-17.2	86.1	-76.6
Ubon Ratchathani	28.9	-1.1	98.8	12.0	238.8	104.1
Tha Tum	28.7	-1.7	56.8	-29.9	104.5	-47.6
Surin	28.7	-1.1	48.9	-44.4	130.7	-25.3
Nakhon Ratchasima	28.7	-1.3	166.2	94.0	275.8	142.2
Chok Chai	28.7	-0.9	141.4	60.1	186.7	49.1
Nang Rong	28.1	-1.4	92.0	10.4	172.9	19.1
Over the area	28.5	-1.2	119.6	33.3 39%	191.7	37.4 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  
April 2018

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	30.3	-1.1	67.7	4.0	116.2	3.2
Bua Chum	28.8	-1.5	296.3	214.9	432.8	289.8
Lop Buri	29.3	-1.1	117.7	36.2	306.0	179.8
Suphan Buri	29.6	-0.8	105.5	56.4	156.2	77.6
Thong Pha Phum	28.9	-0.9	167.4	65.6	187.4	17.4
Kanchanaburi	29.8	-1.2	102.0	23.5	148.6	19.6
Bangkok Airport	29.2	-1.2	149.1	60.6	406.6	257.3
Bangkok Metropolis	29.2	-1.3	252.2	160.8	506.7	339.9
Over the area	29.4	-1.1	157.2	77.7 98%	282.6	148.1 110%

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	29.4	-0.7	169.0	51.0	367.8	176.4
Kabin Buri	28.2	-1.6	340.3	241.5	662.7	478.5
Aranyaprathet	29.2	-0.9	101.7	16.0	306.9	135.8
Chon Buri	29.1	-1.1	207.8	133.7	293.2	147.4
Ko Sichang	28.5	-1.3	195.5	118.2	430.1	276.6
Pattaya	28.6	-0.7	185.4	121.4	306.9	159.7
Sattahip	28.3	-1.5	179.0	100.1	329.0	146.3
Rayong	28.7	-1.3	139.1	57.5	281.4	72.3
Chanthaburi	28.5	-0.2	206.1	80.9	540.6	288.4
Khlong Yai	28.3	-0.2	195.3	9.9	479.6	55.7
Over the area	28.7	-0.9	191.9	93.0 94%	399.8	193.6 94%

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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	29.1	-0.6	143.7	106.8	243.8	158.5
Hua Hin	28.7	-0.9	206.1	159.7	302.6	175.2
Prachuap Khiri Khan	28.6	-0.6	126.1	70.6	251.8	78.3
Chumphon	28.0	-0.7	265.3	179.5	434.9	147.8
Surat Thani	28.1	-0.2	220.1	146.7	352.5	206.0
Ko Samui	28.7	-0.4	192.5	109.4	509.2	204.7
Nakhon Si Thammarat	28.0	-0.4	59.1	-47.9	412.8	2.5
Songkhla	28.7	-0.2	70.4	-4.7	365.5	107.3
Hat Yai Airport	28.2	0.2	83.2	-35.4	233.4	-38.5
Pattani Airport	28.1	-0.1	81.4	6.8	330.3	123.4
Narathiwat	27.9	-0.4	88.9	16.1	581.2	235.7
Over the area	28.4	-0.4	139.7	64.3 85%	365.3	127.3 53%

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	28.2	-0.6	198.0	45.4	394.0	150.2
Takua Pa	28.2	0.0	322.6	112.6	839.1	434.0
Phuket	29.8	0.4	62.2	-80.7	267.3	-3.3
Phuket Airport	29.0	0.4	138.2	-15.8	581.2	263.5
Ko Lanta	29.2	0.2	110.0	-9.0	423.8	209.4
Trang Airport	28.5	0.2	98.2	-41.5	319.9	43.5
Satun	28.8	0.4	135.0	-71.0	234.3	-160.7
Over the area	28.8	0.1	152.0	-8.6 -5%	437.1	133.8 44%

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