

Monthly Weather Summary in Thailand April 2017

Under the influence of the heat low pressure cell which occasionally covered upper Thailand, the weather in almost areas of upper Thailand was hot nearly the whole month and very hot weather in several areas. Meanwhile, the weather turned to hot in several areas of the southern part during the second half of the month. However, the mean temperature over Thailand in April 2017 was about 0.2 °C below the 1981-2010 normal. Rainfall with thunderstorm and gusty wind affected upper Thailand mainly during middle and late month while southern part received abundant rainfall nearly the whole month especially along east coast caused by many factors such as the ridge of high pressure area from China extended to cover upper Thailand, the passage of the westerly trough from Myanmar over the northern and northeastern parts, the various type of winds blew over Thailand regions and also 1 tropical cyclone namely “MAARUTHA(01B)” made landfall over Rakhine State, Myanmar during middle of the month , The monthly rainfall was above normal in northern part 33.4 mm (19%), southern part (east coast) 84.0 mm (111%), and southern part (west coast) 23.4 mm (15%) while it was below normal in northeastern part 23.8 mm (28%), central part 40.0 mm (50%) and eastern part 11.0 mm (11%). The total rainfall over Thailand in this month was 96.2 mm, 8% above the normal. The details are as follows:

1 – 10 April: The high pressure areas from China extending its ridge to cover upper Thailand and the South China Sea during early period and the westerly trough from Myanmar moved to cover the northern and upper northeastern parts during middle period after that the southeasterly winds prevailed over northeastern and eastern parts. Moreover, the heat low pressure cell covered upper Thailand during the second half of the period. These caused rainfall over upper Thailand during the first half of the period then decreasing in rainfall and increasing in temperature with hot weather in general and very hot weather in some areas in northern and central parts. The highest maximum temperature of 42.0 °C was at Amphoe Mueang in Mae Hong Son province on March 8. The maximum daily rainfall of 83.0 mm was measured at Amphoe Phibun Mangsahan in Ubon Ratchathani province on April 5. Due to the influence of the low pressure cell covered the Gulf of Thailand and southern part since the middle period with prevailing of the active easterly wind over the mentioned areas almost the period, southern Thailand received scattered rain with heavy to very heavy rainfall in some areas nearly the whole period. The highest daily rainfall was 187.5 mm at Nakhon Si Thammarat Agrometeorological Station on April 5.

11 – 20 April: The high pressure area from China covered the upper Thailand while warmer air existed over Thailand. These caused rainfall over upper Thailand with thunderstorm in several areas mainly in the northern and northeastern parts. The highest daily rainfall of 95.0 mm was recorded at Ban Dung in Udon Thani province on April 12. However, hot weather remained in almost areas of upper Thailand nearly the whole period. The highest maximum temperature of 42.0 °C was at Amphoe Mueang in Mae

Hong Son province on April 11. Under the influence of southerly wind prevailed over southern part during early period after that it varied to be the southeasterly wind and weakened during middle period as the low pressure cell over the Bay of Bengal intensified to the tropical depression on April 14 and reached to the tropical cyclone “MAARUTHA(01B)” on April 16 before made landfall over Rakhine State in Myanmar on the morning of April 17 then weakened to tropical depression and finally degenerated into an area of the low pressure over Myanmar in the evening on the same day , scattered to fairly widespread rain affected the southern part almost the period with heavy rainfall in some areas. The highest daily rainfall of 70.0 mm at Amphoe Ban Na Derm in Surat Thani province on April 14.

21 – 30 April: The combination of the westerly and southwesterly winds prevailing over southern, central and eastern parts, the heat low pressure cell covering upper Thailand during April 25 - 26 and the high pressure area from China extending to cover the northeastern part of Thailand and the South China Sea during middle and late period caused hot weather remained in most areas of upper Thailand nearly the whole period with very hot weather in some areas. The maximum temperature of 41.7 C was recorded at Amphoe Mueang in Mae Hong Son province on April 28. For rainfall, scattered to fairly widespread rainfall was found in the upper Thailand and heavy to very heavy rainfall in some areas. The maximum daily rainfall in upper Thailand of 105.5 mm was at Bo Rai and Khao Saming in Trat province on April 28 as gusty wind occurred in several areas at Chiang Mai, Chiang Rai, Payao, Lampang, Phetchabun, Phichit, Tak, Uttaradit, Nan Phitsanulok, Mae Hong Son, Nong Kai, Loei, Udon Thani, Sakon Nakhon, Ubon Ratchathani, Khon Kaen, Nakhon Phanom, Nong Bua Lamphu, Rai Et, Maha Sarakham, Chaiyaphum, Kalasin, Surin, Nakhon Ratchasima, Si Saket and Lop Buri provinces. For southern Thailand, isolated to scattered rain with heavy rainfall in some areas was observed along east coast while scattered to widespread rainfall with heavy rainfall in some areas along west coast. The maximum daily rainfall of 79.3 mm was at Phrasaeng in Surat Thani province on April 24 and gusty winds occurred at Chumphon province on April 25.

Note : Rainfall, temperatures and natural disasters in this report were updated up to May 8, 2017.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
April 2017

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	26.7	-0.4	160.9	63.0	247.6	100.2
Mae Hong Son	30.5	0.4	43.4	-19.8	54.5	-37.9
Phayao	27.7	-1.0	97.0	7.8	161.2	26.9
Chiang Mai	29.5	0.2	53.1	-4.2	80.5	-7.7
Tha Wang Pha	28.1	-0.2	103.4	0.9	166.3	14.3
Nan	28.8	-0.2	76.9	-22.7	164.3	15.7
Lamphun	29.4	-0.7	83.3	38.8	119.7	54.4
Lampang	29.7	-0.3	87.4	21.5	277.2	176.9
Mae Sariang	29.6	0.3	33.1	-11.6	43.0	-23.9
Phrae	29.3	-0.7	100.7	18.6	175.6	51.3
Uttaradit	30.1	-0.7	137.7	66.7	211.8	97.4
Bhumibol Dam	30.1	-0.8	125.1	59.0	158.0	61.3
Tak	31.0	-0.5	49.4	-8.2	93.3	12.8
Mae Sot	29.6	0.5	35.6	-9.2	47.9	-22.3
Umphang	25.9	-0.2	149.7	48.4	201.0	35.9
Phitsanulok	30.5	-0.3	86.2	30.5	205.9	106.1
Lom Sak	29.8	0.6	50.6	-12.6	87.9	-41.0
Phetchabun	30.7	0.9	36.6	-39.4	138.6	-7.0
Wichian Buri	31.1	0.7	83.8	-6.1	118.1	-42.7
Kamphaeng Phet	30.6	0.2	99.6	46.8	172.7	67.8
Over the area	29.4	-0.1	84.7	13.4 19%	146.3	31.9 28%

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	29.0	-0.5	73.7	-9.7	155.3	6.5
Loei	28.3	-0.1	98.5	-4.2	180.6	16.3
Udon Thani	29.0	-0.8	45.1	-29.0	191.6	39.5
Nakhon Phanom	28.3	-0.7	131.6	30.5	277.3	82.1
Sakon Nakhon	28.3	-0.8	89.5	-3.8	298.5	113.7
Mukdahan	29.1	-0.5	46.3	-30.1	131.6	-4.7
Khon Kaen	29.7	-0.2	37.0	-52.6	87.2	-69.9
Kosum Phisai	30.1	0.0	43.8	-45.2	180.1	20.8
Roi Et	29.7	-0.1	30.9	-45.0	142.4	2.5
Chaiyaphum	30.4	0.4	11.2	-81.4	124.2	-38.5
Ubon Ratchathani	30.1	0.1	109.8	23.0	154.4	19.7
Tha Tum	29.8	-0.6	84.4	-2.3	142.7	-9.4
Surin	29.7	-0.1	19.5	-73.8	120.2	-35.8
Nakhon Ratchasima	29.8	-0.2	61.3	-10.9	315.5	181.9
Chok Chai	29.4	-0.2	49.2	-32.1	170.4	32.8
Nang Rong	29.0	-0.5	67.4	-14.2	175.5	21.7
Over the area	29.4	-0.3	62.5	-23.8 -28%	178.0	23.7 15%

- 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 2017

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	31.7	0.3	31.2	-32.5	105.1	-7.9
Bua Chum	30.7	0.4	32.0	-49.4	73.4	-69.6
Lop Buri	30.8	0.4	8.3	-73.2	103.3	-22.9
Suphan Buri	30.8	0.4	19.7	-29.4	130.6	52.0
Thong Pha Phum	29.2	-0.6	131.3	29.5	207.8	37.8
Kanchanaburi	31.4	0.4	6.4	-72.1	95.5	-33.5
Bangkok Airport	30.6	0.2	73.5	-15.0	170.8	21.5
Bangkok Metropolis	30.7	0.2	13.4	-78.0	164.8	-2.0
Over the area	30.7	0.2	39.5	-40.0 -50%	131.4	-3.1 -2%

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	0.6	31.9	-86.1	96.8	-94.6
Kabin Buri	29.6	-0.2	67.1	-31.7	133.9	-50.3
Aranyaprathet	29.8	-0.3	72.5	-13.2	334.8	163.7
Chon Buri	30.2	0.0	59.5	-14.6	172.1	26.3
Ko Sichang	29.6	-0.2	14.2	-63.1	190.9	37.4
Pattaya	29.2	-0.1	84.6	20.6	251.8	104.6
Sattahip	29.1	-0.7	110.5	31.6	264.7	82.0
Rayong	29.5	-0.5	79.1	-2.5	335.4	126.3
Chanthaburi	28.8	0.1	160.7	35.5	319.9	67.7
Khlong Yai	28.2	-0.3	198.5	13.1	475.4	51.5
Over the area	29.5	-0.1	87.9	-11.0 -11%	257.6	51.4 25%

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Monthly Current Report
Rainfall and Accumulative Rainfall
April 2017

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	29.9	0.2	50.4	13.5	313.4	228.1
Hua Hin	29.4	-0.2	26.7	-19.7	313.3	185.9
Prachuap Khiri Khan	29.2	0.0	23.1	-32.4	566.0	392.5
Chumphon	28.1	-0.6	125.8	40.0	939.4	652.3
Surat Thani	27.7	-0.6	68.3	-5.1	434.4	287.9
Ko Samui	28.4	-0.7	235.1	152.0	1084.6	780.1
Nakhon Si Thammarat	27.6	-0.8	170.6	63.6	2133.2	1722.9
Songkhla	28.4	-0.5	164.2	89.1	968.3	710.1
Hat Yai Airport	27.1	-0.9	279.8	161.2	877.0	605.1
Pattani Airport	28.0	-0.2	278.2	203.6	948.7	741.8
Narathiwat	28.1	-0.2	330.8	258.0	1703.7	1358.2
Over the area	28.4	-0.4	159.4	84.0 111%	934.7	696.7 293%

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	28.3	-0.5	141.0	-11.6	677.9	434.1
Takua Pa	27.8	-0.4	114.9	-95.1	642.7	237.6
Phuket	29.0	-0.4	113.8	-29.1	538.0	267.4
Phuket Airport	28.3	-0.3	311.6	157.6	577.2	259.5
Ko Lanta	28.3	-0.7	141.3	22.3	534.3	319.9
Trang Airport	27.2	-1.1	202.3	62.6	735.2	458.8
Satun	27.6	-0.8	263.2	57.2	651.6	256.6
Over the area	28.1	-0.6	184.0	23.4 15%	622.4	319.1 105%

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Monthly Current Report

April 2017

Region	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
North	Chiang Rai	26.7	-0.4	160.9	63.0	247.6	100.2
	Mae Hong Son	30.5	0.4	43.4	-19.8	54.5	-37.9
	Phayao	27.7	-1.0	97.0	7.8	161.2	26.9
	Chiang Mai	29.5	0.2	53.1	-4.2	80.5	-7.7
	Tha Wang Pha	28.1	-0.2	103.4	0.9	166.3	14.3
	Nan	28.8	-0.2	76.9	-22.7	164.3	15.7
	Lamphun	29.4	-0.7	83.3	38.8	119.7	54.4
	Lampang	29.7	-0.3	87.4	21.5	277.2	176.9
	Mae Sariang	29.6	0.3	33.1	-11.6	43.0	-23.9
	Phrae	29.3	-0.7	100.7	18.6	175.6	51.3
	Uttaradit	30.1	-0.7	137.7	66.7	211.8	97.4
	Bhumibol Dam	30.1	-0.8	125.1	59.0	158.0	61.3
	Tak	31.0	-0.5	49.4	-8.2	93.3	12.8
	Mae Sot	29.6	0.5	35.6	-9.2	47.9	-22.3
	Umphang	25.9	-0.2	149.7	48.4	201.0	35.9
	Phitsanulok	30.5	-0.3	86.2	30.5	205.9	106.1
	Lom Sak	29.8	0.6	50.6	-12.6	87.9	-41.0
	Phetchabun	30.7	0.9	36.6	-39.4	138.6	-7.0
	Wichian Buri	31.1	0.7	83.8	-6.1	118.1	-42.7
	Kamphaeng Phet	30.6	0.2	99.6	46.8	172.7	67.8
Northeast	Nong Khai	29.0	-0.5	73.7	-9.7	155.3	6.5
	Loei	28.3	-0.1	98.5	-4.2	180.6	16.3
	Udon Thani	29.0	-0.8	45.1	-29.0	191.6	39.5
	Nakhon Phanom	28.3	-0.7	131.6	30.5	277.3	82.1
	Sakon Nakhon	28.3	-0.8	89.5	-3.8	298.5	113.7
	Mukdahan	29.1	-0.5	46.3	-30.1	131.6	-4.7
	Khon Kaen	29.7	-0.2	37.0	-52.6	87.2	-69.9
	Kosum Phisai	30.1	0.0	43.8	-45.2	180.1	20.8
	Roi Et	29.7	-0.1	30.9	-45.0	142.4	2.5
	Chaiyaphum	30.4	0.4	11.2	-81.4	124.2	-38.5
	Ubon Ratchathani	30.1	0.1	109.8	23.0	154.4	19.7
	Tha Tum	29.8	-0.6	84.4	-2.3	142.7	-9.4
	Surin	29.7	-0.1	19.5	-73.8	120.2	-35.8
	Nakhon Ratchasima	29.8	-0.2	61.3	-10.9	315.5	181.9
Chok Chai	29.4	-0.2	49.2	-32.1	170.4	32.8	
Nang Rong	29.0	-0.5	67.4	-14.2	175.5	21.7	
Central	Nakhon Sawan	31.7	0.3	31.2	-32.5	105.1	-7.9
	Bua Chum	30.7	0.4	32.0	-49.4	73.4	-69.6
	Lop Buri	30.8	0.4	8.3	-73.2	103.3	-22.9
	Suphan Buri	30.8	0.4	19.7	-29.4	130.6	52.0
	Thong Pha Phum	29.2	-0.6	131.3	29.5	207.8	37.8
	Kanchanaburi	31.4	0.4	6.4	-72.1	95.5	-33.5
	Bangkok Airport	30.6	0.2	73.5	-15.0	170.8	21.5
	Bangkok Metropolis	30.7	0.2	13.4	-78.0	164.8	-2.0
East	Prachin Buri	30.7	0.6	31.9	-86.1	96.8	-94.6
	Kabin Buri	29.6	-0.2	67.1	-31.7	133.9	-50.3
	Aranyaprathet	29.8	-0.3	72.5	-13.2	334.8	163.7
	Chon Buri	30.2	0.0	59.5	-14.6	172.1	26.3
	Ko Sichang	29.6	-0.2	14.2	-63.1	190.9	37.4
	Pattaya	29.2	-0.1	84.6	20.6	251.8	104.6
	Sattahip	29.1	-0.7	110.5	31.6	264.7	82.0
	Rayong	29.5	-0.5	79.1	-2.5	335.4	126.3
	Chanthaburi	28.8	0.1	160.7	35.5	319.9	67.7
Khlung Yai	28.2	-0.3	198.5	13.1	475.4	51.5	
South (East Coast)	Phetchaburi	29.9	0.2	50.4	13.5	313.4	228.1
	Hua Hin	29.4	-0.2	26.7	-19.7	313.3	185.9
	Prachuap Khiri Khan	29.2	0.0	23.1	-32.4	566.0	392.5
	Chumphon	28.1	-0.6	125.8	40.0	939.4	652.3
	Surat Thani	27.7	-0.6	68.3	-5.1	434.4	287.9
	Ko Samui	28.4	-0.7	235.1	152.0	1084.6	780.1
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Narathiwat	28.1	-0.2	330.8	258.0	1703.7	1358.2	
South (West Coast)	Ranong	28.3	-0.5	141.0	-11.6	677.9	434.1
	Takua Pa	27.8	-0.4	114.9	-95.1	642.7	237.6
	Phuket	29.0	-0.4	113.8	-29.1	538.0	267.4
	Phuket Airport	28.3	-0.3	311.6	157.6	577.2	259.5
	Ko Lanta	28.3	-0.7	141.3	22.3	534.3	319.9
	Trang Airport	27.2	-1.1	202.3	62.6	735.2	458.8
	Satun	27.6	-0.8	263.2	57.2	651.6	256.6
	Over the area	29.3	-0.2	96.2	7.5	333.9	158.4
					8%		90%

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