

Monthly Weather Summary in Thailand April 2012

Under the influence of the heat low pressure cell which covered upper Thailand during the middle and the end of month, Thailand was generally hot weather almost the month with very hot mainly in northern part. However, the combination of the high pressure area from China, the westerly trough, the prevailing of the southerly and southeasterly winds associated with the southwesterly wind prevailed over Thailand during the last week of the month, bringing rainfall and thunderstorms with hails to Thailand particularly in the early month. Mean temperatures of April were above in almost the whole of the regions while it was below normal at northeastern and southern (west coast) parts. This month Thailand received above normal rainfall i.e. northern part 8.3 mm (12%), northeastern part 27.3 mm (32%), southern part (east coast) 32.6 mm (45%) and southern part (west coast) 130.9 mm (81%) while it was below normal at central part, 22.7 mm (30%) and eastern part, 53.6 mm (56%)

1 – 10 April: The westerly trough moved through the northern part during the early and middle period. In addition, the high pressure area dominated upper Thailand almost the period. These produced rainfall in upper Thailand during middle and late period but hot weather persisted in several areas. The highest temperature of 38.7 °C was measured at Amphoe Chai Badan in Lopburi province and Amphoe Tak Fa in Nakhon Sawan on April 3. The maximum daily rainfall of 130.0 mm was recorded at Amphoe Kusuman in Sakon Nakhon province on April 7. Thunderstorms and gusty winds occurred at Chiang Mai, Phayao, Phrae, Kamphaeng Phet, Loei, Khon Kaen, Sisaket, Kalasin, Uthai Thani, Ayutthaya and Trad provinces. In southern Thailand widely scattered to scattered rain with heavy rainfall in some areas. The highest daily rainfall of 71.6 mm was measured at Amphoe Muang in Pattani province on April 5.

11 – 20 April: Heat low pressure cell covered upper Thailand almost the period. In addition, the southerly and southeasterly winds prevailed over Thailand and the westerly trough moved through the lower northeastern, eastern, central and southern parts on April 13-15. The weather became generally hot in upper Thailand with very hot mainly in northern and northeastern parts. The highest temperature was 41.2 °C at Amphoe Muang in Tak province on April 14. Besides, upper Thailand received isolated to widely scattered rain almost the period with heavy in some areas. The maximum daily rainfall of 80.0 mm was recorded in upper Thailand at Loei plant and production materials technicon service center in Loei province on April 15. Thunderstorms and gusty winds occurred at Prae, Loei, Surin, Sisaket, Ayutthaya, Uthai Thani and Ratcha Buri provinces. In southern Thailand scattered to fairly widespread rain with heavy to very heavy rainfall in some areas especially along west coast. The highest daily rainfall of 145.0 mm was measured at Amphoe Takua Pa in Phang-Nga province on April 20.

21 – 30 April: Under the influence of the heat low pressure cell, upper Thailand experienced generally hot weather with very hot in several areas mainly in northern and central parts. The highest temperature was 41.7 °C at Amphoe Muang in Lampang and Amphoe Muang in Tak province on April 26. Furthermore, Bangkok Metropolis Stn observed the maximum temperature of 40.0 °C on Apr 30 and was the the same highest in 60 years of record. For rainfall, upper Thailand received isolated to widely scattered rain almost the period with heavy to very heavy rainfall in some areas except for scattered rain and isolated heavy rainfall in northern part and fairly widespread rain with isolated heavy to very heavy rainfall in northeastern part on April 27. The maximum daily rainfall of 141.5 mm was recorded at Amphoe Maung in Sakon Nakhon province on April 22. Thunderstorms with gusty wind occurred at Nan, Phayao, Sukhothai, Phrae, Phetchabun, and Buri Ram provinces. In Southern part scattered to fairly widespread rain almost the period with isolated heavy to very heavy rainfall. The highest daily rainfall of 110.0 mm was measured at Amphoe Waeng in Narathiwat province on April 28.

Note : Rainfall, temperatures and natural disasters in this report were updated up to May 17, 2012.

Monthly Current Report
Rainfall and Accumulative Rainfall
April 2012

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	27.5	0.6	104.7	10.1	196.3	57.4
Mae Hong Son	29.3	-0.4	137.0	77.9	149.6	61.4
Phayao	28.5	-0.5	87.4	-6.5	133.8	1.0
Chiang Mai	29.4	0.6	75.9	21.4	95.2	6.5
Tha Wang Pha	28.3	0.1	163.2	59.2	211.6	50.8
Nan	28.9	0.2	273.4	177.3	364.7	216.6
Lamphun	29.9	-0.1	6.5	-36.3	16.7	-47.5
Lampang	30.1	0.6	66.9	1.8	132.1	33.3
Mae Sariang	29.9	0.4	32.6	-14.1	34.7	-37.3
Phrae	30.3	0.5	69.5	-7.8	127.0	9.1
Uttaradit	31.1	0.4	12.8	-65.9	46.4	-80.0
Bhumibol Dam	30.6	-0.7	70.5	11.0	84.6	-4.8
Tak	31.6	0.2	20.2	-21.8	48.7	-19.3
Mae Sot	29.6	0.6	20.1	-18.8	32.1	-25.8
Umphang	26.6	0.6	95.2	4.4	183.0	38.5
Phitsanulok	30.9	0.2	77.8	23.3	94.9	-8.1
Lom Sak	29.1	0.1	60.9	-2.5	104.7	-29.5
Phetchabun	30.0	0.2	10.7	-57.2	123.8	-7.1
Wichian Buri	30.3	-0.2	106.9	16.7	222.5	73.6
Kamphaeng Phet	30.7	0.2	40.3	-5.8	108.3	16.5
Over the area	29.6	0.2	76.6	8.3	125.5	15.3
				12%		14%

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	-0.1	93.2	11.5	274.0	140.6
Loei	28.5	0.2	90.4	-3.1	134.6	-23.5
Udon Thani	29.9	0.3	18.5	-64.5	47.6	-109.1
Nakhon Phanom	28.3	-0.4	204.7	101.1	264.0	80.2
Sakon Nakhon	28.3	-0.7	401.9	304.3	497.0	323.7
Mukdahan	28.8	-0.7	72.5	-24.1	107.5	-42.0
Khon Kaen	29.0	-1.0	123.9	52.0	198.1	70.2
Kosum Phisai	29.2	-0.8	172.2	84.8	248.3	97.0
Roi Et	29.0	-0.6	92.3	9.3	196.2	60.9
Chaiyaphum	29.8	0.0	49.4	-42.1	90.3	-62.9
Ubon Ratchathani	29.2	-0.6	90.8	5.0	120.5	-7.9
Tha Tum	29.4	-1.0	48.7	-36.0	191.4	47.8
Surin	29.4	-0.3	91.2	-3.8	115.1	-22.5
Nakhon Ratchasima	29.4	-0.3	131.5	65.2	262.5	136.1
Chok Chai	29.3	-0.2	65.9	-12.9	215.9	85.8
Nang Rong	29.3	-0.2	67.3	-9.1	88.6	-51.6
Over the area	29.1	-0.4	113.4	27.3	190.7	45.1
				32%		31%

- NOTES :
- 1) Mean temperature is the average of daily dry-bulb temperatur
 - 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
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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	31.6	0.1	49.6	-8.7	92.3	-17.3
Bua Chum	29.8	-0.5	66.7	-23.5	145.4	1.8
Lop Buri	30.5	0.1	61.5	-12.8	113.4	-2.7
Suphan Buri	31.0	0.7	46.8	-12.3	50.3	-40.9
Thong Pha Phum	29.4	-0.2	64.8	-34.5	218.8	55.7
Kanchanaburi	31.1	0.0	17.5	-57.5	98.2	-20.9
Bangkok Airport	31.6	1.8	51.8	-15.0		
Bangkok Metropolis	31.3	1.2	56.1	-17.8	189.3	55.4
Over the area	30.8	0.4	51.9	-22.7 -30%	129.7	5.9 5%

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	30.6	0.5	33.2	-95.0	81.2	-121.9
Kabin Buri	29.4	-0.3	32.3	-55.9	95.2	-70.3
Aranyaprathet	30.4	0.6	79.1	-3.7	118.7	-46.9
Chon Buri	30.9	1.0	38.2	-40.3	192.3	51.7
Ko Sichang	30.4	0.7	3.2	-71.4	91.9	-48.1
Pattaya	29.9	0.7	10.8	-52.8	58.5	-76.4
Sattahip	30.2	0.6	9.0	-68.5	130.6	-46.4
Rayong	29.9	0.0	8.9	-74.5	232.2	23.8
Chanthaburi	29.0	0.6	60.9	-52.3	315.3	96.6
Khlong Yai	28.8	0.1	151.8	-21.1	558.8	167.2
Over the area	30.0	0.5	42.7	-53.6 -56%	187.5	-7.1 -4%

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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	30.0	0.5	4.0	-31.1	111.3	45.1
Hua Hin	29.9	0.5	1.5	-36.6	68.7	-25.5
Prachuap Khiri Khan	29.8	1.0	17.7	-30.3	225.5	74.3
Chumphon	28.8	0.3	23.8	-56.3	432.6	150.3
Surat Thani	28.0	-0.4	164.7	87.3	625.3	451.3
Ko Samui	29.3	0.2	57.2	-17.8	467.8	140.4
Nakhon Si Thammarat	28.2	0.0	52.3	-54.2	1271.7	898.7
Songkhla	28.4	-0.7	266.5	188.9	758.4	545.3
Hat Yai Airport	27.6	-0.3	151.6	38.0	534.7	298.4
Pattani Airport	28.2	0.2	270.9	198.7	681.6	490.8
Narathiwat	27.9	-0.4	151.0	72.1	743.3	439.1
Over the area	28.7	0.0	105.6	32.6 45%	538.3	318.9 145%

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	28.0	-0.4	367.9	213.3	798.8	565.6
Takua Pa	27.6	-0.5	330.6	128.0	954.6	584.8
Phuket	29.2	-0.1	255.0	119.6	519.0	272.4
Phuket Airport	28.3	-0.1	260.9	95.9	802.7	495.2
Ko Lanta	28.3	-0.8	264.6	145.0	608.0	407.7
Trang Airport	27.5	-0.7	256.8	123.7	576.2	318.6
Satun	28.0	-0.3	307.8	90.8	862.9	495.7
Over the area	28.1	-0.4	291.9	130.9 81%	731.7	448.6 158%

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