

Monthly Weather Summary in Thailand April 2010

Heat low pressure cell covered the upper Thailand during much of April. In addition, the southerly and southeasterly winds prevailed over the mentioned area causing generally hot weather and very hot weather in several areas over upper Thailand, especially during the first half of the month. However the high pressure area from China, that occasionally extended its ridge to cover upper Thailand, where warmer air existed, produced abundant rainfall and thunderstorms with gusty winds and hails resulted in decreasing in temperature over Thailand, especially during the second half of the month. Monthly mean temperatures in all regions were well above normal, breaking previous record with maximum daily temperature in several areas. Thailand received below normal rainfall i.e. northern part 24.6 mm (36%), northeastern part 11.5 mm (13%), central part 42.2 mm (57%), eastern part 23.3 mm (24%) southern part (east coast) 43.4 mm (59%) and southern part (west coast) 44.2 mm (27%)

1 – 10 April: Generally hot weather with very hot weather was present across large parts of upper Thailand. The highest temperature of 43.5 °C was measured at Amphoe Muang in Tak province on April 8. For rainfall, upper Thailand received isolated of few days except for isolated to widely scattered rain in northeastern part almost the period with heavy rainfall on April 6-9. The highest daily rainfall was 89.2 mm at Amphoe Dontan in Mukdahan province on April 8. In southern Thailand, from Nakhon Si Thammarat province southward experienced scattered to fairly widespread rain with isolated heavy rainfall during the first half of the period and then isolated rain. The highest daily rainfall of 68.8 mm was measured at Amphoe Muang in Krabi province on April 1.

11 – 20 April: During the first half of the period, very hot weather occurred in much of northern and northeastern parts. Central and eastern parts experienced generally hot weather with very hot weather in some areas. After that temperature decreased, it remained hot to very hot weather in some areas. The maximum temperature was 42.9 °C at Amphoe Muang in Lampang province on April 15. However, widely scattered to scattered rain with isolated heavy to very heavy rainfall was found during the second half of period in upper Thailand. The maximum daily rainfall was 136.0 mm at Amphoe Neon Sanga in Chaiyaphum province on April 16. Thunderstorms with gusty winds and hails occurred at Chiang Rai, Tak, Phayao, Phichit and Ratcha Buri provinces. Isolated rain and heavy rainfall was observed in southern part during the first half of the period and then widely scattered to scattered rain was reported with heavy rainfall in some areas. The maximum daily rainfall was 55.5 mm at Amphoe Khiri Ratthanikhom in Surat Thani province on April 20.

21 – 31 April: Generally hot weather with very hot weather in several areas persisted in upper Thailand mainly during early period. The highest temperature was 43.4 °C at Amphoe Muang in Mae Hon Son province on April 23. Thailand received scattered to fairly widespread almost the period and heavy to very heavy rainfall in some areas. The maximum daily rainfall of 132.3 mm was recorded in upper Thailand at Bang Khen Skin Diseases Center in Bangkok on April 28. Thunderstorms with gusty wind at Tak, Phayao, Kamphaeng Phet, Sisaket, Ang Thong and Ratcha Buri provinces. Southern Thailand obtained the heaviest daily rainfall of 97.2 mm at Amphoe Muang in Satun province on April 27.

Breaking record maximum temperature in April

Station	New Record 2010		Previous Record		Start year
	Temperature (°C)	Date	Temperature (°C)	Date / Year	
Mae Hon Son	43.4	23	43.0	17 / 1991	1955
Tha Wang Pha	42.5	22	41.7	18 / 1983	1970
Tung Chang	40.3	22	39.5	1 / 2007	1998
Thoen	43.1	6, 8	42.9	24 / 2007	2003
Sukhothai	42.6	21	41.6	7 / 2003	2000
Mae Sot	41.1	8	40.9	24 / 2004	1951
Phichit	40.7	10	39.3	23 / 2001	1993
Buri Ram	41.7	6, 22	40.8	2 / 2007	2003
Thong Pha Phum	43.0	8	42.0	16 / 1998	1970
Kor Hong	37.5	14	37.3	14 / 1998 16 / 2004	1969
Sadao	37.2	22	37.1	19 / 2001	1999

Note : Rainfall, temperatures and natural disasters in this report were updated up to May 12, 2010.

Climatological Center
 Meteorological Development Bureau
 Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
April 2010

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	28.5	1.6	89.8	-4.8	113.9	-25.0
Mae Hong Son	32.5	2.8	29.7	-29.4	54.0	-34.2
Phayao	30.4	1.4	57.6	-36.3	126.0	-6.8
Chiang Mai	31.6	2.8	3.9	-50.6	29.9	-58.8
Tha Wang Pha	30.3	2.1	46.1	-57.9	128.0	-32.8
Nan	31.3	2.6	51.2	-44.9	106.1	-42.0
Lamphun	32.2	2.2	12.8	-30.0	29.2	-35.0
Lampang	32.3	2.8	24.9	-40.2	83.4	-15.4
Mae Sariang	30.9	1.4	0.0	-46.7	13.0	-59.0
Phrae	32.3	2.5	13.7	-63.6	46.7	-71.2
Uttaradit	31.9	1.2	8.7	-70.0	21.2	-105.2
Bhumibol Dam	32.8	1.5	7.9	-51.6	65.4	-24.0
Tak	33.5	2.1	21.9	-20.1	60.5	-7.5
Mae Sot	30.8	1.8	0.0	-38.9	16.9	-41.0
Umphang	27.6	1.6	110.1	19.3	167.2	22.7
Phitsanulok	31.8	1.1	127.1	72.6	159.2	56.2
Lom Sak	31.2	2.2	36.6	-26.8	98.6	-35.6
Phetchabun	32.0	2.2	34.7	-33.2	73.0	-57.9
Wichian Buri	31.9	1.4	118.8	28.6	146.9	-2.0
Kamphaeng Phet	31.6	1.1	79.0	32.9	128.7	36.9
Over the area	31.4	2.0	43.7	-24.6 -36%	83.4	-26.8 -24%

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	31.2	2.0	38.2	-43.5	119.1	-14.3
Loei	30.5	2.2	92.2	-1.3	130.0	-28.1
Udon Thani	31.3	1.7	114.7	31.7	204.2	47.5
Nakhon Phanom	30.4	1.7	99.4	-4.2	178.4	-5.4
Sakon Nakhon	30.4	1.4	74.4	-23.2	193.3	20.0
Mukdahan	30.8	1.3	114.4	17.8	124.8	-24.7
Khon Kaen	31.3	1.3	65.9	-6.0	152.3	24.4
Kosum Phisai	31.9	1.9	16.2	-71.2	47.6	-103.7
Roi Et	31.8	2.2	5.7	-77.3	52.7	-82.6
Chaiyaphum	31.7	1.9	58.4	-33.1	120.4	-32.8
Ubon Ratchathani	31.2	1.4	46.8	-39.0	81.5	-46.9
Tha Tum	31.8	1.4	97.9	13.2	137.7	-5.9
Surin	31.3	1.6	86.2	-8.8	132.3	-5.3
Nakhon Ratchasima	31.3	1.6	31.2	-35.1	144.8	18.4
Chok Chai	30.6	1.1	99.9	21.1	214.5	84.4
Nang Rong	30.3	0.8	152.6	76.2	242.8	102.6
Over the area	31.1	1.6	74.6	-11.5 -13%	142.3	-3.3 -2%

- NOTES :
- 1) Input data are received via ssb radio each day. They have not been certified yet, so this current report has to be checked with monthly weather reports later.
 - 2) Mean temperature is the average of daily maximum and daily minimum
 - 3) "T" is trace, rainfall amount less than 0.1 mm.
 - 4) "blank" is incomplete data.

Monthly Current Report
Rainfall and Accumulative Rainfall
April 2010

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	33.1	1.6	7.2	-51.1	33.2	-76.4
Bua Chum	31.9	1.6	36.3	-53.9	140.1	-3.5
Lop Buri	31.7	1.3	0.3	-74.0	7.5	-108.6
Suphan Buri	31.5	1.2	36.5	-22.6	40.4	-50.8
Thong Pha Phum	31.2	1.6	47.9	-51.4	60.4	-102.7
Kanchanaburi	32.4	1.3	6.6	-68.4	24.5	-94.6
Bangkok Airport	31.4	1.6	107.1	40.3	252.7	138.5
Bangkok Metropolis	31.6	1.5	17.3	-56.6	134.7	0.8
Over the area	31.9	1.5	32.4	-42.2 -57%	86.7	-37.1 -30%

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	31.1	1.0	59.8	-68.4	162.2	-40.9
Kabin Buri	30.2	0.5	152.9	64.7	226.8	61.3
Aranyaprathet	31.3	1.5	47.1	-35.7	140.2	-25.4
Chon Buri	31.3	1.4	15.6	-62.9	119.2	-21.4
Ko Sichang	30.6	0.9	35.1	-39.5	93.5	-46.5
Pattaya	30.1	0.9	52.0	-11.6	100.6	-34.3
Sattahip	30.6	1.0	7.8	-69.7	183.0	6.0
Rayong	30.6	0.7	61.7	-21.7	166.6	-41.8
Chanthaburi	29.8	1.4	159.1	45.9	366.5	147.8
Khlong Yai	29.4	0.7	138.9	-34.0	415.4	23.8
Over the area	30.5	1.0	73.0	-23.3 -24%	197.4	2.8 1%

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Monthly Current Report
Rainfall and Accumulative Rainfall
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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	30.8	1.3	23.6	-11.5	122.9	56.7
Hua Hin	30.4	1.0	43.5	5.4	76.5	-17.7
Prachuap Khiri Khan	30.3	1.5	4.5	-43.5	135.7	-15.5
Chumphon	29.6	1.1	2.1	-78.0	256.6	-25.7
Surat Thani	29.7	1.3	0.7	-76.7	58.3	-115.7
Ko Samui	30.2	1.1	6.3	-68.7	196.2	-131.2
Nakhon Si Thammarat	29.0	0.8	22.1	-84.4	284.0	-89.0
Songkhla	29.7	0.6	40.6	-37.0	132.7	-80.4
Hat Yai Airport	29.0	1.1	103.5	-10.1	193.5	-42.8
Pattani Airport	29.4	1.4	22.1	-50.1	97.3	-93.5
Narathiwat	29.0	0.7	56.3	-22.6	241.7	-62.5
Over the area	29.7	1.0	29.6	-43.4 -59%	163.2	-56.2 -26%

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	29.9	1.5	29.7	-124.9	116.8	-116.4
Takua Pa	29.0	0.9	148.8	-53.8	368.3	-1.5
Phuket	30.6	1.3	92.9	-42.5	306.6	60.0
Phuket Airport	29.4	1.0	109.7	-55.3	260.6	-46.9
Ko Lanta	29.6	0.5	60.5	-59.1	125.0	-75.3
Trang Airport	29.3	1.1	132.7	-0.4	241.1	-16.5
Satun	29.0	0.7	243.2	26.2	536.7	169.5
Over the area	29.5	1.0	116.8	-44.2 -27%	279.3	-3.8 -1%

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