

Monthly Weather Summary in Thailand May 2009

During early May, hot weather persisted in several places of upper Thailand. After that, since May 9, rainfall was obviously increased both amount and distribution due to the influence of the rather active low pressure cell covering lower central, eastern and head Gulf of Thailand, the southwest monsoon blowing across the Andaman Sea, Thailand and the Gulf of Thailand and the low pressure trough lying across upper Thailand during late May. It was considered as the beginning of rainy season of this year. Monthly rainfall was above normal in every parts i.e. northern part 13.3 mm (8%), northeastern part 63.9 mm (35%), central part 102.5 mm (64%) eastern part 53.6 mm (25%) and southern part (east coast) 13.5 mm (10%) and southern part (west coasts) 13.2 mm (4%). Mean temperatures were below normal in general.

1 – 10 May : During early period, the high pressure area from China covering the upper portion of the South China Sea and the northeastern part of Thailand and the low pressure cell covering the central and eastern parts. After that, during the middle of the period, the tropical storm “Chan-Hom” which first developed in the middle South China Sea intensified into typhoon moving across the Philippines towards the Western North Pacific. It induced the confluence of westerly and southwesterly winds prevailing over southern part of Thailand for few days and varied to be the southwesterly wind. Under these influences, southern Thailand received abundant rainfall with scattered to fairly widespread rain and heavy rainfall in some areas. The maximum daily rainfall was 92.3 mm at Phi Poon in Nakhon Si Thammarat province on May 3. For upper Thailand, widely scattered to scattered rain and isolated heavy rainfall was found in northern and eastern parts during the beginning of the period. At the end of the period, rainfall was relatively increased both amount and distribution. The heaviest daily rainfall was 138.5 mm at U Thong in Suphan Buri province on May 10 and thundershowers were reported at Phrae, Nan, Kalasin and Surin provinces on May 9 and also at Nakhon Ratchasima and Bangkok Metropolis on May 10.

11 – 20 May : Abundant rainfall remained over upper Thailand. Heavy to very heavy rainfall was found in several places particularly during the first half of the period. The maximum daily rainfall of 172.0 mm was recorded in upper Thailand at Mukdahan Sericulture Research on May 20 with the occurrence of thundershower at Pathum Thani and Kanchanaburi provinces on May 11 and May 15, respectively. Southern Thailand experienced fairly widespread rain and isolated heavy rainfall particularly during the first half of the period. The highest daily rainfall amount was 87.3 mm at Tha Chana in Surat Thani province on May 14.

21 – 31 May : Low pressure trough lay across the central and eastern parts during early period and lay towards the active low pressure in the lower Bay of Bengal during mid-period. It later intensified to the tropical cyclone “Aila” and made landfall over the border of Bangladesh and India. Finally, the low pressure trough moved to lie across the northern and northeastern parts. In addition, the rather active southwest monsoon prevailed over Andaman Sea, Thailand and The Gulf of Thailand. These conditions produced plentiful of rainfall in upper Thailand almost the period especially northeastern, central and eastern parts. The maximum daily rainfall of 92.3 mm was found at Nong Wua So in Udon Thani province on May 30. For southern part, scattered to fairly widespread rain was found with isolated heavy to very heavy rainfall during the middle of the period. The highest daily rainfall was 160.2 mm at La-Un in Ranong province on May 27.

Note : Rainfall, temperatures and natural disasters in this report was updated up to June 5, 2009.

Climatological Group
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
May 2009

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	0.5	387.0	192.3	471.0	137.4
Mae Hong Son	29.0	0.3	97.6	-70.7	171.8	-84.7
Phayao	27.8	-0.3	233.9	65.2	295.3	-6.2
Chiang Mai	28.5	0.4	142.0	-13.4	256.6	12.5
Tha Wang Pha	28.4	0.2	140.3	-50.2	209.3	-142.0
Nan	29.1	0.7	189.3	21.5	260.8	-55.1
Lamphun	28.4	-0.5	176.7	30.3	220.7	10.1
Lampang	29.0	0.3	237.7	89.2	319.8	72.5
Mae Sariang	28.5	-0.1	216.3	53.5	296.9	62.1
Phrae	28.8	-0.1	197.3	23.3	342.0	50.1
Uttaradit	29.6	-0.2	103.3	-129.9	203.9	-155.7
Bhumibol Dam	28.6	-1.0	318.6	135.7	454.8	182.5
Tak	29.1	-0.5	209.0	47.8	289.9	60.7
Mae Sot	27.6	-0.2	155.6	-13.2	260.4	33.7
Umphang	25.7	0.1	233.6	47.3	416.7	85.9
Phitsanulok	29.3	-0.5	171.5	-6.9	222.0	-59.4
Lom Sak	28.2	-0.4	146.9	-12.4	380.4	86.9
Phetchabun	28.3	-0.5	113.1	-42.7	378.4	91.7
Wichian Buri	28.6	-0.9	156.8	-10.9	375.6	59.0
Kamphaeng Phet	28.9	-0.6	108.0	-90.2	248.3	-41.7
Over the area	28.4	-0.2	186.7	13.3 8%	303.7	20.1 7%

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	28.3	0.0	403.0	176.4	535.0	175.0
Loei	27.1	-0.6	267.9	65.2	582.5	221.7
Udon Thani	28.4	-0.3	366.6	172.1	481.3	130.1
Nakhon Phanom	28.1	-0.1	493.1	255.9	632.2	211.2
Sakon Nakhon	28.1	-0.2	246.0	22.0	444.7	47.4
Mukdahan	28.2	-0.6	358.1	181.6	504.0	178.0
Khon Kaen	28.0	-1.0	158.4	-13.4	344.6	44.9
Kosum Phisai	28.6	-0.7	154.0	-3.9	266.4	-42.8
Roi Et	28.4	-0.5	242.4	57.7	342.8	22.8
Chaiyaphum	28.2	-0.7	285.5	138.2	471.0	170.5
Ubon Ratchathani	28.4	-0.5	100.4	-109.7	392.5	54.0
Tha Tum	28.7	-0.8	115.0	-53.2	294.5	-17.3
Surin	28.2	-0.7	210.5	44.9	525.3	222.1
Nakhon Ratchasima	28.6	-0.3	248.8	111.6	508.1	244.5
Chok Chai	28.4	-0.3	136.0	-19.5	414.9	129.3
Nang Rong	28.0	-0.9	153.2	-4.4	362.7	64.9
Over the area	28.2	-0.5	246.2	63.9 35%	443.9	116.0 35%

- 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
May 2009

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	29.3	-0.9	284.5	131.4	375.9	113.2
Bua Chum	28.6	-0.7	139.0	6.6	274.4	-1.6
Lop Buri	29.0	-0.6	189.5	42.3	377.6	114.3
Suphan Buri	29.6	-0.2	64.0	-56.6	82.2	-129.6
Thong Pha Phum	27.9	-0.5	191.2	-13.4	510.7	143.0
Kanchanaburi	28.9	-1.0	364.2	228.9	534.1	279.7
Bangkok Airport	28.8	-0.7	403.0	236.7	706.1	425.6
Bangkok Metropolis	29.4	-0.3	463.4	243.8	853.2	499.7
Over the area	28.9	-0.7	262.4	102.5 64%	464.3	180.6 64%

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	29.3	0.0	104.5	-109.2	285.9	-130.9
Kabin Buri	28.5	-0.4	130.7	-69.2	500.0	134.6
Aranyaprathet	29.0	0.1	152.3	-17.8	478.5	142.8
Chon Buri	29.3	-0.3	221.4	56.1	418.7	112.8
Ko Sichang	29.1	-0.5	130.4	-4.0	308.3	33.9
Pattaya	28.6	-0.6	106.5	-49.6	409.1	118.1
Sattahip	28.8	-0.8	234.2	58.8	554.1	201.7
Rayong	28.9	-0.9	378.4	186.6	581.7	181.5
Chanthaburi	27.9	-0.2	633.3	296.8	1063.3	508.1
Khlong Yai	27.8	-0.6	557.9	186.9	1234.7	472.1
Over the area	28.7	-0.4	265.0	53.6 25%	583.4	177.4 44%

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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	29.4	0.0	135.7	48.6	279.0	125.7
Hua Hin	29.1	-0.1	102.5	3.3	154.0	-39.4
Prachuap Khiri Khan	28.5	-0.2	69.5	-51.9	212.4	-60.2
Chumphon	27.6	-0.4	180.3	6.3	427.3	-29.0
Surat Thani	27.7	-0.1	221.3	65.7	569.6	240.0
Ko Samui	28.6	-0.4	93.3	-50.3	458.3	-12.7
Nakhon Si Thammarat	27.9	-0.2	227.9	55.7	882.4	337.2
Songkhla	28.3	-0.8	90.4	-29.1	710.8	378.2
Hat Yai Airport	27.4	-0.3	154.0	-7.7	554.0	156.0
Pattani Airport	27.8	-0.2	169.3	32.1	526.7	198.7
Narathiwat	27.5	-0.8	216.3	74.8	1108.2	662.5
Over the area	28.2	-0.3	151.0	13.5 10%	534.8	177.9 50%

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	27.4	-0.1	586.4	140.4	1043.6	364.4
Takua Pa	27.3	-0.5	465.0	19.7	1070.1	255.0
Phuket	28.5	0.0	288.5	5.9	827.9	298.7
Phuket Airport	28.1	0.0	309.0	17.6	943.3	344.4
Ko Lanta	28.3	-0.4	235.0	-33.1	535.8	67.4
Trang Airport	27.7	0.1	159.6	-60.5	565.5	87.8
Satun	28.0	-0.1	254.1	2.6	807.0	188.3
Over the area	27.9	-0.1	328.2	13.2 4%	827.6	229.5 38%

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