

## Monthly Weather Summary in Thailand May 2013

In May 2013, hot weather still persisted mainly in upper Thailand with very hot weather in some areas. However, during the first half of the month, the influence of high pressure areas extending to cover upper Thailand in addition with the passage of the westerly trough through the upper northern and the prevailing of the southeasterly wind over upper Thailand resulted in intermittent rainfall with thundershower in several areas. After that, the southwest monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand associated with the low pressure cell covering the Gulf of Tonkin for few days caused increasing in the area of consecutive rainy day leading to rainy season on May 18. However, the light to moderate rainfall were mainly observed in this month inducing below normal rainfall in most parts i.e. northern part 64.5 mm (36%), central part 78.9 mm (46%), eastern part 123.1 mm (55%) and southern part (east coast) 34.1 mm (24%) while it was inversely above normal in the northeastern and the southern part (west coast) 16.3 mm (9%) and 9.2 mm (3%), respectively. The average rainfall over the whole areas of Thailand was 23 % lower than normal.

**1 – 10 May :** The high pressure area has extended to cover upper Thailand while swelter weather persisted in Thailand in addition with the passage of the westerly trough through the upper northern part as well as the southeasterly wind blowing over the northeastern, central, eastern and southern parts. These conditions produced abundant rainfall with thundershowers in the northern and northeastern parts and scattered to fairly widespread rain was found in the central and eastern parts during mid-period. The highest daily rainfall was 143.5 mm at Mukdahan Sericulture Research on May 10 and thundershower occurred at Phayao, Lampang, Mukdahan, Burirum, Nakhon Ratchasima, Bueng Kan, Mahasarakham and Nakhon Phanom on May 1, at Kalasin on May 2, at Chiang Rai, Lamphun, Uttaradit, Tak, Nakhon Sawan and Ang Thong provinces on May 4, at Uthai Thani on May 5, at Nakhon Ratchasima on May 6, at Phitsanulok and Sisaket on May 7, at Roi Et on May 9 and at Chiang Mai on May 10. Hail was also reported at Chiang Rai province on May 2 and at Chiang Mai province on May 2 and 3. In Southern part, scattered to fairly widespread rain was found with isolated heavy to very heavy rainfall, maximum daily rainfall of 137.6 mm was found at Krabi province on May 8.

**11 – 20 May :** Hot weather persisted in upper Thailand especially in the northern, northeastern and central parts with the highest maximum temperature of 41.3<sup>o</sup> C at Bhumibol Dam, Tak province on May 17. However, during late period, rainfall was relatively increased in upper Thailand due to the effect of the low pressure cell covering on May 17 coupled with the prevailing of the southwest monsoon over the Andaman Sea, Thailand and the Gulf of Thailand. The heaviest daily rainfall was 112.0 mm at Khwao Sinarin in Surin province on May 17. Gusty wind and thundershower occurred at Lampang, Phayao, Nakhon Ratchasima and Nakhon Phanom on May 11, at Phrae on May 17 and at Chiang Mai on May 19. Besides, thunderstorm with hail was observed at Surin on May 17. For southern Thailand, hot weather remained in many areas during mid-period while isolated to widely scattered rain was found during the early and mid-period after that rainfall was relatively increased to widespread rain especially along the west coast. The maximum daily rainfall was 95.0 mm at Chaiburi in Surat Thani province on May 17 with thundershower at Phang-nga province on May 18.

**21 – 31 May :** Under the influence of the moderate southwest monsoon accompanied by the low pressure cell covering The Gulf of Tonkin during early period and the southeasterly wind prevailing over the northeastern and eastern parts during late period resulted in scattered to fairly widespread rain and heavy to very heavy rainfall in some areas. The highest daily rainfall was 115.0 mm at Trakan Phuet Phon in Ubon Ratchathani province on May 29. Thunderstorm and gusty wind occurred at Nakhon Phanom, Si Sa Ket and Kalasin provinces on May 29. In southern part, scattered to fairly widespread rain was observed along the east coast while widespread rain with isolated heavy to very heavy rainfall occurred along the west coast. The maximum daily rainfall of 195.0 mm was recorded at Takua Pa in Phang-nga province on May 25. Moreover, the huge wave occurred at Krabi, Phang-nga and Satun provinces on May 28.

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**Note :** Rainfall, temperatures and natural disasters available in this report are preliminary data.

Climatological Center  
Meteorological Development Bureau  
Thai Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
May 2013

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	28.2	1.1	139.3	-74.1	232.8	-128.0
Mae Hong Son	29.3	0.4	131.8	-42.7	193.0	-73.9
Phayao	28.6	0.8	119.7	-60.0	194.0	-120.0
Chiang Mai	29.8	1.6	89.9	-72.1	164.8	-85.4
Tha Wang Pha	29.3	1.2	183.2	0.2	284.6	-50.4
Nan	30.4	1.8	72.1	-105.2	142.7	-183.2
Lamphun	29.3	0.6	147.0	-7.8	215.3	-4.8
Lampang	29.1	0.3	191.2	30.8	315.0	54.3
Mae Sariang	29.7	1.3	80.2	-82.1	104.6	-124.6
Phrae	29.7	0.7	102.7	-75.4	337.7	35.3
Uttaradit	30.6	0.8	88.9	-141.1	235.7	-108.7
Bhumibol Dam	31.1	1.9	27.0	-170.6	71.7	-222.6
Tak	31.1	1.5	61.4	-113.5	154.6	-100.8
Mae Sot	29.6	1.7	13.2	-161.0	41.9	-202.5
Umphang	26.8	1.2	62.3	-132.7	314.2	-45.9
Phitsanulok	30.6	0.7	94.7	-76.2	155.4	-115.3
Lom Sak	29.5	0.9	102.3	-48.5	166.0	-113.7
Phetchabun	30.0	1.2	235.3	72.5	371.1	62.7
Wichian Buri	30.6	1.2	112.3	-45.8	369.2	50.2
Kamphaeng Phet	30.1	0.9	211.3	15.8	263.4	-37.0
Over the area	29.7	1.1	113.3	-64.5 -36%	216.4	-75.8 -26%

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	28.9	0.3	287.4	62.5	400.5	26.8
Loei	28.7	1.0	122.6	-76.7	249.2	-114.4
Udon Thani	29.3	0.4	173.7	-24.8	212.3	-138.3
Nakhon Phanom	28.2	-0.2	437.8	180.7	604.7	152.4
Sakon Nakhon	28.2	-0.2	331.2	103.6	440.3	27.9
Mukdahan	29.0	0.2	326.1	126.6	527.8	192.0
Khon Kaen	29.5	0.6	108.1	-60.6	176.5	-149.3
Kosum Phisai	30.0	0.7	203.4	41.9	258.9	-61.9
Roi Et	29.8	0.8	262.7	76.6	325.8	-0.2
Chaiyaphum	30.3	1.4	105.2	-35.0	194.9	-108.0
Ubon Ratchathani	29.1	0.1	322.3	113.7	405.4	62.1
Tha Tum	30.3	0.8	119.3	-53.0	245.7	-78.7
Surin	29.9	1.1	172.5	-7.3	226.6	-109.2
Nakhon Ratchasima	30.4	1.3	51.6	-102.5	109.0	-178.7
Chok Chai	30.1	1.3	93.2	-55.8	250.3	-36.3
Nang Rong	29.4	0.6	136.7	-29.9	255.2	-65.2
Over the area	29.4	0.6	203.4	16.3 9%	305.2	-36.2 -11%

- 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

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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	31.1	1.1	130.2	-20.5	268.4	4.7
Bua Chum	30.3	1.0	152.4	16.2	401.6	121.4
Lop Buri	31.6	2.0	36.4	-110.7	101.3	-171.9
Suphan Buri	31.6	1.8	76.3	-38.0	80.5	-112.4
Thong Pha Phum	29.6	1.5	36.3	-191.2	206.0	-191.5
Kanchanaburi	31.3	1.6	107.1	-38.2	120.6	-153.7
Bangkok Airport	31.9	2.1	57.8	-149.8	203.3	-153.6
Bangkok Metropolis	31.2	1.3	149.2	-98.5	325.7	-88.8
Over the area	31.1	1.6	93.2	-78.9 -46%	213.4	-93.3 -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	1.8	123.0	-108.0	190.9	-231.5
Kabin Buri	29.6	0.7	81.9	-110.4	212.4	-165.1
Aranyaprathet	30.4	1.2	65.6	-101.7	234.6	-103.8
Chon Buri	31.3	1.5	107.4	-67.9	355.7	31.9
Ko Sichang	31.0	1.4	34.6	-99.8	246.8	-41.1
Pattaya	30.4	1.2	50.1	-98.2	158.7	-139.8
Sattahip	30.5	0.9	34.0	-137.9	305.3	-49.3
Rayong	30.3	0.6	130.0	-68.6	384.6	-23.1
Chanthaburi	29.4	1.1	140.8	-251.7	536.3	-108.4
Khlong Yai	29.0	0.8	239.5	-187.2	663.2	-187.4
Over the area	30.3	1.1	100.7	-123.1 -55%	328.9	-101.8 -24%

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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	30.7	1.3	42.8	-56.6	90.7	-94.0
Hua Hin	30.4	1.1	35.7	-73.2	101.8	-134.5
Prachuap Khiri Khar	30.1	1.2	39.9	-87.0	249.6	-50.8
Chumphon	29.0	1.0	124.2	-66.6	566.4	88.5
Surat Thani	28.3	0.6	109.5	-68.5	362.4	37.9
Ko Samui	29.7	0.8	99.4	-56.5	328.6	-131.8
Nakhon Si Thammarat	28.2	0.0	276.5	102.7	817.1	233.0
Songkhla	29.1	0.3	94.8	-24.8	559.6	181.8
Hat Yai Airport	27.8	0.0	163.8	16.2	559.4	139.9
Pattani Airport	28.3	0.1	87.3	-50.2	448.4	104.0
Narathiwat	28.5	0.3	132.2	-9.9	867.8	380.2
Over the area	29.1	0.6	109.6	-34.1 -24%	450.2	68.5 18%

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	28.1	0.4	448.9	-47.8	702.1	-38.4
Takua Pa	27.8	-0.1	558.6	133.0	1161.7	331.0
Phuket	29.2	0.4	268.2	8.7	540.1	10.0
Phuket Airport	28.8	0.4	363.4	81.9	632.2	33.0
Ko Lanta	28.9	0.2	293.0	48.2	622.1	161.0
Trang Airport	28.5	0.8	158.6	-58.9	514.3	20.4
Satun	28.5	0.4	132.5	-100.8	565.7	-62.6
Over the area	28.5	0.3	317.6	9.2 3%	676.9	64.9 11%

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