

Monthly Weather Summary in Thailand May 2011

In May 2011, hot weather still persisted in some areas of Thailand. However, the country has experienced the southwest monsoon season since early month causing intermittent abundant rainfall in most areas of Thailand. The consecutive days of rain that considered as the beginning of rainy season of this year was found on May 6. Moreover, the low pressure cell in the Gulf of Martaban, Myanmar moved to cover upper northern Thailand during May 9 and 10 in addition with the low pressure trough lay across upper Thailand from the middle of the month onwards. These caused abundant rainfall in upper Thailand especially in the northern, northeastern and central parts. For southern part, the amount and distribution of rainfall was mainly observed during the first half of the month. Monthly rainfall was above normal in northern part 71.6 mm (41%), northeastern part 18.8 mm (10%) and central part 62.7 mm (39%) while it was inversely below normal in eastern part 42.0 mm (20%), southern part (east coast) 12.7 mm (9%) and southern part (west coast) 47.9 mm (15%). The total rainfall over Thailand in May was 18.6 mm (10%) above normal. Mean temperatures of May were below normal in most areas of upper Thailand while southern part recorded slightly above normal rainfall.

1 – 10 May : During the first half of the period, the southeasterly and southwesterly winds prevailing over upper Thailand then the moderate southwest monsoon blowing over Andaman Sea, Thailand and The Gulf of Thailand and strengthened during late period. In addition, the low pressure cell in the Gulf of Martaban moved to cover upper northern Thailand during May 9 and 10. Under these influences, rainfall mainly observed in the second half of the period for most parts of upper Thailand except in northern part that received abundant rainfall especially at the end of the period. The highest daily rainfall was 191.2 mm at Amphoe Muang in Lampang province on May 9. In southern part, fairly widespread rain was mainly observed along the west coast with the heaviest daily rainfall of 109.1 mm at Amphoe Muang in Ranong province on May 8. However, hot weather during daytime persisted in many areas of the northeastern, central and upper eastern part during the first half of the period. The highest maximum temperature was recorded at Surin Agrometeorological Station with reading of 38.7 °C on May 3. Thundershower was reported at Phitsanulok, Chaiyaphum and Ratchaburi provinces on May 4 and at Tak, Roi Et, Sri Sa Ket and Krabi provinces on May 6. Gusty wind occurred at Phetchabun province on May 4 and at Phayao, Tak and Kamphaeng Phet provinces on May 5 and hail at Chiang Rai province on May 4. Flash floods at Lamphun, Lampang and Phrae provinces on May 9 and flood at Phayao province on May 10 and mudslide was also reported at Ranong province on May 10.

11 – 20 May : The southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand almost the whole period. In addition, the low pressure trough lay across the central and eastern parts before moving northward to the lower northern, central and northeastern parts. These conditions caused increasing in rainfall both amount and distribution in the northern, northeastern and central parts almost the whole period. The highest daily rainfall of 173.0 mm was recorded at Klong Lan in Kamphaeng Phet province on May 14. Flood was reported at Sukhothai province on May 12 with the occurrence of thundershower at Amnat Chareon province on May 14 and flash flood at Lampang province on May 17. In southern part, scattered to fairly widespread rain with isolated heavy to very heavy rainfall was found in east coast while plentiful of rainfall mainly occurred in the second half of the period along the west coast. The highest daily rainfall amount was 96.7 mm at Su-ngai Kolok in Narathiwat province on May 18.

21 – 31 May : Due to the southwest monsoon prevailing across the Andaman Sea, Thailand and the Gulf of Thailand strengthened during late period and the low pressure trough lying across upper Thailand that mainly lay over northern, central and eastern parts resulted in scattered to fairly widespread rain in most areas of upper Thailand. Only northeastern part that received isolated to widely scattered rain almost the whole period, except for scattered to fairly widespread rain during May 24-26 and May 31. The maximum daily rainfall was at Na Klang, Nong Bua Lum Phu province with the reading of 150 mm on May 25. Thundershower reported at Nong Bua Lum Phu province on May 24, at Lampang and Phitsanulok provinces on May 25 and at Si Sa Ket province on May 26. Flash floods at Loei province on May 25, at Nakhon Ratchasima province on May 26, at Phichit and Nakhon Ratchasima province on May 29 and at Phisanulok province on May 30. For Southern part, widely scattered to scattered rain with isolated heavy rainfall almost the whole period especially late period that experienced fairly widespread rain. The highest daily rainfall was 85.0 mm at Sathing Phra in Songkhla province on May 29.

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

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
May 2011

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	-0.3	242.0	47.3	444.3	110.7
Mae Hong Son	27.8	-0.9	231.7	63.4	407.5	151.0
Phayao	26.8	-1.3	247.0	78.3	490.5	189.0
Chiang Mai	27.3	-0.8	292.7	137.3	449.1	205.0
Tha Wang Pha	27.2	-1.0	177.0	-13.5	389.1	37.8
Nan	27.6	-0.8	317.6	149.8	568.7	252.8
Lamphun	27.2	-1.7	296.7	150.3	535.1	324.5
Lampang	27.5	-1.2	369.3	220.8	569.0	321.7
Mae Sariang	27.6	-1.0	187.0	24.2	425.0	190.2
Phrae	27.8	-1.1	170.4	-3.6	513.1	221.2
Uttaradit	28.7	-1.1	166.8	-66.4	559.6	200.0
Bhumibol Dam	27.7	-1.9	231.0	48.1	548.6	276.3
Tak	28.1	-1.5	199.0	37.8	447.5	218.3
Mae Sot	27.3	-0.5	237.3	68.5	440.8	214.1
Umphang	25.3	-0.3	275.4	89.1	602.0	271.2
Phitsanulok	28.9	-0.9	209.3	30.9	435.7	154.3
Lom Sak	28.0	-0.6	172.1	12.8	332.8	39.3
Phetchabun	28.2	-0.6	315.6	159.8	578.5	291.8
Wichian Buri	28.6	-0.9	264.9	97.2	466.3	149.7
Kamphaeng Phet	28.1	-1.4	297.2	99.0	472.5	182.5
Over the area	27.6	-1.0	245.0	71.6 41%	483.8	200.2 71%

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	28.5	0.2	225.3	-1.3	332.4	-27.6
Loei	27.1	-0.6	253.2	50.5	396.4	35.6
Udon Thani	28.4	-0.3	158.7	-35.8	326.5	-24.7
Nakhon Phanom	28.6	0.4	239.2	2.0	315.4	-105.6
Sakon Nakhon	28.4	0.1	327.4	103.4	429.7	32.4
Mukdahan	29.2	0.4	161.3	-15.2	223.4	-102.6
Khon Kaen	28.5	-0.5	104.8	-67.0	173.6	-126.1
Kosum Phisai	29.1	-0.2	190.5	32.6	301.2	-8.0
Roi Et	29.0	0.1	164.6	-20.1	281.9	-38.1
Chaiyaphum	28.4	-0.5	158.5	11.2	325.2	24.7
Ubon Ratchathani	28.8	-0.1	298.2	88.1	414.0	75.5
Tha Tum	29.4	-0.1	114.0	-54.2	174.2	-137.6
Surin	28.7	-0.2	237.9	72.3	397.7	94.5
Nakhon Ratchasima	29.0	0.1	103.3	-33.9	319.0	55.4
Chok Chai	28.6	-0.1	148.2	-7.3	208.5	-77.1
Nang Rong	28.4	-0.5	333.2	175.6	478.9	181.1
Over the area	28.6	-0.1	201.1	18.8 10%	318.6	-9.3 -3%

- 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
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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	28.9	-1.3	297.6	144.5	578.1	315.4
Bua Chum	28.8	-0.5	135.0	2.6	213.0	-63.0
Lop Buri	29.2	-0.4	173.1	25.9	355.4	92.1
Suphan Buri	29.6	-0.2	228.5	107.9	348.2	136.4
Thong Pha Phum	27.4	-1.0	248.5	43.9	580.1	212.4
Kanchanaburi	29.5	-0.4	137.1	1.8	510.3	255.9
Bangkok Airport	29.2	-0.3	264.4	98.1	645.8	365.3
Bangkok Metropolis	29.7	0.0	296.5	76.9	626.6	273.1
Over the area	29.0	-0.6	222.6	62.7 39%	482.2	198.5 70%

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	29.5	0.2	189.3	-24.4	534.7	117.9
Kabin Buri	28.3	-0.6	133.2	-66.7	296.1	-69.3
Aranyaprathet	29.2	0.3	136.7	-33.4	324.2	-11.5
Chon Buri	29.9	0.3	161.1	-4.2	418.2	112.3
Ko Sichang	29.4	-0.2	127.2	-7.2	327.9	53.5
Pattaya	29.0	-0.2	150.0	-6.1	411.4	120.4
Sattahip	29.2	-0.4	118.2	-57.2	443.6	91.2
Rayong	29.5	-0.3	33.7	-158.1	352.2	-48.0
Chanthaburi	28.9	0.8	290.9	-45.6	618.0	62.8
Khlong Yai	28.5	0.1	353.5	-17.5	966.2	203.6
Over the area	29.1	0.0	169.4	-42.0 -20%	469.3	63.3 16%

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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	29.5	0.1	86.7	-0.4	312.6	159.3
Hua Hin	29.2	0.0	65.7	-33.5	171.4	-22.0
Prachuap Khiri Khan	29.0	0.3	81.6	-39.8	269.1	-3.5
Chumphon	28.1	0.1	215.6	41.6	751.6	295.3
Surat Thani	28.1	0.3	88.6	-67.0	1116.7	787.1
Ko Samui	29.0	0.0	84.4	-59.2	1671.6	1200.6
Nakhon Si Thammarat	28.3	0.2	184.9	12.7	2420.7	1875.5
Songkhla	28.9	-0.2	96.1	-23.4	953.1	620.5
Hat Yai Airport	27.7	0.0	112.2	-49.5	681.1	283.1
Pattani Airport	28.3	0.3	182.7	45.5	655.2	327.2
Narathiwat	28.0	-0.3	174.8	33.3	1372.8	927.1
Over the area	28.6	0.1	124.8	-12.7 -9%	943.3	586.4 164%

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	27.6	0.1	546.3	100.3	1100.7	421.5
Takua Pa	27.7	-0.1	405.9	-39.4	1326.1	511.0
Phuket	29.6	1.1	182.4	-100.2	742.7	213.5
Phuket Airport	29.0	0.9	152.1	-139.3	938.9	340.0
Ko Lanta	28.9	0.2	125.0	-143.1	427.6	-40.8
Trang Airport	28.1	0.5	156.3	-63.8	853.3	375.6
Satun	28.2	0.1	302.0	50.5	862.5	243.8
Over the area	28.4	0.4	267.1	-47.9 -15%	893.1	295.0 49%

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