

Monthly Weather Summary in Thailand May 2010

Thailand experienced swelter weather almost the whole month, especially during the first half of the month, generally hot weather with consecutive days of very hot weather occurred in several places of northern, northeastern and central parts. After that, the southerly and southeasterly winds prevailing over Thailand and the Gulf of Thailand was strengthened in addition with the southwest monsoon started to develop over the Andaman Sea, Thailand and the Gulf of Thailand during late May. Under these influences, the areas of swelter weather were widely reduced while rainfall was relatively increased and consecutive rainy days observed in many places that regarded as the beginning of rainy season for this year on May 21. However, average rainfall over the whole areas of Thailand was 37 % lower than normal. Monthly rainfall was below normal in every parts i.e. northern part 81.3 mm (47%), northeastern part 65.2 mm (36%), central part 34.6 mm (22%) eastern part 47.7 mm (23%) and southern part (east coast) 51.8 mm (38%) and southern part (west coasts) 133.6 mm (42%). Mean temperatures were 1-2 °C above normal in every parts especially those in northern part that was 2.4 °C higher than normal. Mean temperatures of May over Thailand were 1.9 °C higher than normal with the new highest record of maximum temperature in some stations was established.

1 – 10 May : Hot weather generally observed in Thailand especially during the second half of the period, temperatures were obviously increased and the consecutive day of very hot weather was found in several areas of northern, northeastern and central parts. The maximum temperature of the period was 43.0 °C, at Amphoe Muang in Lampang province on May 9 and at Amphoe Muang in Phrae province on May 10. Across upper Thailand, widely scattered to scattered rain was found with isolated heavy to very heavy rainfall in some places mainly during early and late period. The highest daily rainfall of 112.8 mm was measured at Sikhoraphum in Surin province on May 10 and thundershowers were reported at Chiang Rai province on May 1, Phrae on May 3, Si Sa Ket on May 9 and Nakhon Ratchasima on May 10. Hail was also reported at Tak province on May 1. For southern Thailand, isolated rain with heavy rainfall was observed for few days and the maximum daily rainfall was 73.7 mm at Yaha in Yala province on May 4.

11 – 20 May : Generally hot weather persisted in Thailand and very hot weather was observed in some areas mainly during the first half of the period with the highest maximum temperature of 44.0 °C at Amphoe Muang in Mae Hong Son province on May 15. However, during the second half of the period, rainfall was relatively increased in upper Thailand due to the influence of the active low pressure cell in the lower Bay of Bengal intensified into tropical depression and tropical cyclone “LAILA”. The heaviest daily rainfall was 86.0 mm at Si Sachanalai National Parks in Sukhothai province on May 16 and thundershower was found at Phitsanulok on May 15, Kamphaeng Phet on May 17 and Sukhothai on May 21. Gusty wind was reported at Kalasin, Si Sa Ket and Ayutthaya province on May 17 and also at Surin and Phatum Thani provinces on May 18. In southern Thailand, rainfall was relative increased, scattered to fairly widespread rain was observed in almost the period with very to very heavy rainfall in some areas and the maximum daily rainfall was 95.5 mm at Waeng in Narathiwat provinces on May 14.

21 – 31 May : Temperature was relatively decreased but hot weather remained in almost areas of Thailand and very hot weather in some places of the northern and central parts with the highest maximum temperature of 41.5 °C at Amphoe Muang in Uttaradit province on May 21. The southwest monsoon resulted in scattered to fairly widespread rain with heavy to very heavy rainfall in upper Thailand mainly during the first half of the period. The maximum daily rainfall in upper Thailand was 117.0 mm at Tha Uthen in Nakhon Phanom province on May 29. Thunderstorms were reported at Sukhothai province on May 21, Lop Buri on May 24 and also thundershowers and gusty wind at Ratchaburi and Trat provinces on May 22 and May 26, respectively. Besides, thunderstorm with hail was observed at Chiang Rai on May 29. For southern part, scattered to fairly widespread rain was found with heavy rainfall in some areas. The heaviest daily rainfall of 75.8 mm was recorded at Kanchanadit in Surat Thani province on May 22.

Breaking record maximum temperature in May

Station	New Record 2010		Old Record		Start year
	Temperature(°C)	Date	Temperature(°C)	Date / Year	
Mae Hong Son	44.0	15	43.6	9 / 1998	1955
Phare	43.0	10	42.8	9 / 1992	1952
Sukhothai	42.8	10	42.6	7 / 2003	2000
Kamalasai	42.3	9	41.5	7 / 2003	1998
Roi Et	41.1	7	40.2	2 / 1980	1955
Surin (Agromet. Stn.)	41.0	6	40.4	3 / 1989	1969
Buriram	42.2	9, 10	38.8	18 / 2007	2003
Tak Fa (Nakhon Sawan)	41.2	10	40.9	8 / 1992	1969
Chai Nat	41.4	10	41.2	7, 9 / 1992	1970
Bua Chum (Lop Buri)	41.8	10	41.6	9 / 1992	1970
Bangkok Metropolis	39.7	10	39.5	22 / 1983	1951
Khlong Toey	39.3	10	38.4	2 / 1998	1994
Chonburi	39.0	10	38.5	20 / 1983 26 / 1995	1951
Phetchaburi	38.5	18	37.3	14 / 1996	1981
Nong Phlup (Prachuap Khiri Khan)	40.2	10	39.6	3 / 1980 21 / 1983 12 / 1998	1971
Prachuap Khiri Khan	39.5	23	39.1	7 / 1992	1951
Surat Thani	39.8	11	38.5	21 / 1983 5 / 2005	1969
Songkhla	38.6	27	36.8	19 / 2004	1951
Hat Yai (Songkhla)	38.3	7	37.7	7, 16 / 1998	1973
Sa Dao (Songkhla)	38.0	10	36.7	2 / 2008	1999
Phuket Airport	37.7	15	37.2	6 / 1998	1952

Note : Rainfall, temperatures and natural disasters in this report were updated up to June 3, 2010.

Climatological Center
 Meteorological Development Bureau
 Thai Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
May 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	29.0	2.0	148.6	-46.1	262.5	-71.1
Mae Hong Son	31.9	3.2	95.2	-73.1	149.2	-107.3
Phayao	30.0	1.9	177.6	8.9	303.6	2.1
Chiang Mai	31.4	3.3	46.4	-109.0	76.3	-167.8
Tha Wang Pha	30.2	2.0	211.1	20.6	339.1	-12.2
Nan	31.0	2.6	137.8	-30.0	243.9	-72.0
Lamphun	31.7	2.8	51.4	-95.0	80.6	-130.0
Lampang	31.8	3.1	60.7	-87.8	144.1	-103.2
Mae Sariang	31.0	2.4	73.2	-89.6	86.2	-148.6
Phrae	32.0	3.1	55.4	-118.6	102.1	-189.8
Uttaradit	32.2	2.4	27.8	-205.4	49.0	-310.6
Bhumibol Dam	32.4	2.8	42.4	-140.5	107.8	-164.5
Tak	32.7	3.1	31.4	-129.8	91.9	-137.3
Mae Sot	30.6	2.8	104.1	-64.7	121.0	-105.7
Umphang	27.3	1.7	115.2	-71.1	282.4	-48.4
Phitsanulok	31.7	1.9	52.0	-126.4	211.2	-70.2
Lom Sak	30.5	1.9	40.9	-118.4	139.5	-154.0
Phetchabun	31.0	2.2	120.4	-35.4	193.4	-93.3
Wichian Buri	30.9	1.4	135.7	-32.0	282.6	-34.0
Kamphaeng Phet	31.3	1.8	115.2	-83.0	243.9	-46.1
Over the area	31.0	2.4	92.1	-81.3 -47%	175.5	-108.1 -38%

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	30.9	2.6	87.7	-138.9	206.8	-153.2
Loei	29.3	1.6	151.6	-51.1	281.6	-79.2
Udon Thani	30.6	1.9	64.3	-130.2	268.5	-82.7
Nakhon Phanom	29.8	1.6	262.2	25.0	440.6	19.6
Sakon Nakhon	30.0	1.7	133.0	-91.0	326.3	-71.0
Mukdahan	30.1	1.3	146.0	-30.5	270.8	-55.2
Khon Kaen	30.8	1.8	94.4	-77.4	246.7	-53.0
Kosum Phisai	31.4	2.1	83.3	-74.6	130.9	-178.3
Roi Et	30.9	2.0	107.5	-77.2	160.2	-159.8
Chaiyaphum	31.0	2.1	58.5	-88.8	178.9	-121.6
Ubon Ratchathani	30.8	1.9	156.5	-53.6	238.0	-100.5
Tha Tum	31.0	1.5	120.4	-47.8	258.1	-53.7
Surin	30.5	1.6	165.4	-0.2	297.7	-5.5
Nakhon Ratchasima	31.0	2.1	123.8	-13.4	268.6	5.0
Chok Chai	30.7	2.0	60.1	-95.4	274.6	-11.0
Nang Rong	30.3	1.4	58.4	-99.2	301.2	3.4
Over the area	30.6	1.9	117.1	-65.2 -36%	259.3	-68.6 -21%

- 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
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 - 4) "blank" is incomplete data.

Monthly Current Report
Rainfall and Accumulative Rainfall
May 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	32.5	2.3	69.1	-84.0	102.3	-160.4
Bua Chum	31.1	1.8	59.0	-73.4	199.1	-76.9
Lop Buri	31.4	1.8	82.3	-64.9	89.8	-173.5
Suphan Buri	31.6	1.8	72.3	-48.3	112.7	-99.1
Thong Pha Phum	30.5	2.1	162.1	-42.5	222.5	-145.2
Kanchanaburi	32.0	2.1	104.7	-30.6	129.2	-125.2
Bangkok Airport	30.9	1.4	173.2	6.9	425.9	145.4
Bangkok Metropolis	31.2	1.5	279.3	59.7	414.0	60.5
Over the area	31.4	1.8	125.3	-34.6 -22%	211.9	-71.8 -25%

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	30.7	1.4	192.0	-21.7	354.2	-62.6
Kabin Buri	29.8	0.9	71.0	-128.9	297.8	-67.6
Aranyaprathet	30.6	1.7	190.2	20.1	330.4	-5.3
Chon Buri	31.1	1.5	132.7	-32.6	251.9	-54.0
Ko Sichang	30.7	1.1	143.1	8.7	236.6	-37.8
Pattaya	30.5	1.3	58.5	-97.6	159.1	-131.9
Sattahip	30.9	1.3	58.8	-116.6	241.8	-110.6
Rayong	30.8	1.0	231.3	39.5	397.9	-2.3
Chanthaburi	29.7	1.6	281.6	-54.9	648.1	92.9
Khlong Yai	29.4	1.0	278.1	-92.9	693.5	-69.1
Over the area	30.4	1.3	163.7	-47.7 -23%	361.1	-44.9 -11%

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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	31.2	1.8	90.6	3.5	213.5	60.2
Hua Hin	31.0	1.8	29.4	-69.8	105.9	-87.5
Prachuap Khiri Khan	30.8	2.1	23.8	-97.6	159.5	-113.1
Chumphon	29.4	1.4	159.8	-14.2	416.4	-39.9
Surat Thani	29.7	1.9	124.4	-31.2	182.7	-146.9
Ko Samui	30.4	1.4	150.0	6.4	346.2	-124.8
Nakhon Si Thammarat	29.7	1.6	123.2	-49.0	407.2	-138.0
Songkhla	30.1	1.0	18.1	-101.4	150.8	-181.8
Hat Yai Airport	29.0	1.3	117.7	-44.0	311.2	-86.8
Pattani Airport	29.7	1.7	22.9	-114.3	120.2	-207.8
Narathiwat	29.2	0.9	83.1	-58.4	324.8	-120.9
Over the area	30.0	1.5	85.7	-51.8 -38%	248.9	-108.0 -30%

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	29.0	1.5	307.1	-138.9	423.9	-255.3
Takua Pa	28.9	1.1	225.5	-219.8	593.8	-221.3
Phuket	30.6	2.1	79.6	-203.0	386.2	-143.0
Phuket Airport	29.6	1.5	255.9	-35.5	516.5	-82.4
Ko Lanta	29.9	1.2	55.6	-212.5	180.6	-287.8
Trang Airport	29.3	1.7	148.6	-71.5	389.7	-88.0
Satun	29.4	1.3	197.5	-54.0	734.2	115.5
Over the area	29.5	1.5	181.4	-133.6 -42%	460.7	-137.4 -23%

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