

## Monthly Weather Summary in Thailand

October 2012

In first half of the month, the monsoon trough lay across central, eastern and upper southern parts. In addition, tropical storm "GAEMI" (1220) in the middle South China Sea made landfall over Vietnam and then downgraded to the tropical depression before heading to Sakaeo province in Thailand resulted in the rather active southwest monsoon prevailing over Thailand during the mentioned period. For the remainder of the month, the easterly wind prevailed over Thailand and the high pressure area from China periodically extended its ridge to cover upper Thailand associated with the low pressure cell over the lower and middle southern part during October 22 – 25. These conditions caused abundant rainfall in upper Thailand during early month then decreasing in rainfall and temperature while southern Thailand experienced abundant rainfall almost the month. October rainfall was below normal i.e. northern part 46.7 mm (38%) northeastern part 60.8 mm (55%) central part 44.7 mm (25%) eastern part 58.5 mm (26%) southern part (east coast) 91.2 mm (36%) and southern part (west coast) 187.5 mm (52%). Mean temperatures were slightly above normal nearly the whole country.

**1 – 10 October:** The monsoon trough lay across central, eastern and upper southern parts to tropical storm "GAEMI" in the middle South China Sea. The storm made landfall over Qui Nhon, Vietnam on October 6. It moved further to Cambodia and downgraded to the tropical depression before heading to Sakaeo province, Thailand at 10.00 P.M. on October 7. It finally weakened into the active low pressure cell over the eastern and lower central parts on the following day. As a result the southwest monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand strengthened. Under these influences, Thailand experienced scattered to widespread rain with heavy to very heavy rainfall in some areas particularly in the central and eastern parts, except for isolated rain during early and late period in the northeastern part. The maximum daily rainfall in upper Thailand was 114.6 mm at Klongkalantan School, Suan Luang district in Bangkok on October 9 while that of 85.6 mm was found as the highest in southern part at Amphoe Bang Keaw in Phatthalung province on October 1. Floods were reported at Kanchana Buri and Ratchaburi provinces in upper Thailand on October 8.

**11 – 20 October:** During this period, the high pressure area from China extended to cover northern and northeastern parts of Thailand. In addition, the easterly winds which prevailed over Thailand strengthened during late period. These conditions caused decreasing in rainfall and temperature especially in the northeastern part. The highest daily rainfall was 118.2 mm at Thonburi Commercial College, Phasi Charoen district in Bangkok on October 15. In southern part, scattered to fairly widespread rain with heavy rainfall in some areas. The maximum daily rainfall of 90.0 mm was measured at Amphoe Sathing Phra in Songkhla on October 15. Furthermore, during this period the northern and northeastern parts experienced morning cool weather almost the whole areas. The lowest temperature of 16.9 °c occurred at Umphang in Tak province on October 19.

**21 – 31 October:** The continuation of high pressure area covered upper Thailand and another moderate high pressure area from China extended its ridge to cover the mentioned area.

In addition, low pressure cell covered the lower and middle southern part during October 22-25. By the way, typhoon “SON-TINH” (1223) in the upper South China Sea hit Vietnam and downgraded into tropical storm and tropical depression respectively on October 29. It finally dissipated over the southern China on the next day. These caused cool weather almost the whole upper Thailand especially in the northern and northeastern parts. The lowest temperature of 17.9 °c occurred at Umphang in Tak province on October 27. There was isolated to widely scattered rain except for scattered to fairly widespread rain with heavy to very heavy rainfall in some areas during October 23-24 and 30-31. The maximum daily rainfall of 111.2 mm was recorded at Don Tum in Nakhon Pathom province on October 24. In southern part, scattered to fairly widespread rain and isolated heavy to very heavy rainfall except for isolated rain during October 27-29. The highest rainfall amount was 136.7 mm at Amphoe Lamae in Chumphon province on October 24.

---

**Note** : Rainfall, temperatures and natural disasters were updated up to November 14, 2012

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2012

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	25.9	1.2	198.3	67.6	1841.7	214.6
Mae Hong Son	26.9	0.8	98.1	-8.8	1503.0	280.2
Phayao	26.0	0.7	51.9	-64.6	976.8	-67.1
Chiang Mai	27.4	1.5	80.1	-36.5	918.6	-145.9
Tha Wang Pha	26.7	1.1	30.7	-50.9	1091.5	-270.1
Nan	27.4	1.3	34.3	-44.2	1122.4	-87.6
Lamphun	26.7	0.7	54.5	-56.0	865.8	-41.3
Lampang	26.8	0.9	69.8	-36.6	1173.4	155.3
Mae Sariang	26.8	0.6	150.5	43.7	1233.3	123.3
Phrae	27.2	0.9	75.1	-14.9	1339.2	286.4
Uttaradit	28.5	1.0	73.3	-43.1	1464.9	88.6
Bhumibol Dam	27.0	0.5	124.0	-81.5	940.8	-38.2
Tak	27.7	1.2	98.6	-105.3	1001.8	14.0
Mae Sot	27.0	1.1	93.9	-4.9	1926.4	560.0
Umphang	24.5	0.8	59.2	-99.7	1675.2	277.8
Phitsanulok	28.7	1.0	28.4	-130.9	1183.7	-112.0
Lom Sak	27.8	1.2	49.9	-29.1	912.3	-112.7
Phetchabun	28.1	1.4	12.4	-74.5	1009.6	-52.4
Wichian Buri	28.6	1.1	48.0	-70.0	1040.1	-142.6
Kamphaeng Phet	28.1	1.0	96.9	-93.6	1246.4	21.8
Over the area	27.2	1.0	76.4	-46.7 -38%	1223.3	47.7 4%

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	28.4	1.9	88.3	6.5	1449.1	-73.3
Loei	26.8	1.4	15.0	-100.5	1002.0	-211.6
Udon Thani	27.8	1.0	11.4	-69.3	818.3	-559.7
Nakhon Phanom	27.6	1.5	28.2	-53.5	2025.6	-216.6
Sakon Nakhon	27.6	1.3	13.1	-60.1	1719.2	132.0
Mukdahan	27.9	1.6	41.8	-52.3	1040.1	-454.4
Khon Kaen	27.6	1.2	34.4	-74.4	1004.4	-184.9
Kosum Phisai	27.9	1.1	78.8	-32.9	1457.8	257.7
Roi Et	27.6	1.1	70.6	-26.9	1157.6	-173.5
Chaiyaphum	27.9	1.1	66.0	-66.2	1061.8	-34.6
Ubon Ratchathani	27.9	1.4	30.2	-77.8	1523.2	-34.2
Tha Tum	28.4	1.6	26.5	-101.7	1190.2	-180.7
Surin	27.8	1.2	23.7	-111.0	953.3	-370.9
Nakhon Ratchasima	27.8	1.4	149.2	8.0	992.4	-12.3
Chok Chai	27.8	1.5	39.3	-118.0	802.7	-256.6
Nang Rong	27.1	0.7	90.8	-43.0	1213.9	64.8
Over the area	27.7	1.3	50.5	-60.8 -55%	1213.2	-144.5 -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.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2012

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	28.4	0.8	164.6	32.0	1059.1	17.1
Bua Chum	28.0	1.0	98.1	-20.8	1163.3	98.2
Lop Buri	28.6	0.9	78.2	-72.9	1009.4	-75.1
Suphan Buri	28.8	1.0	182.7	-26.6	1123.8	115.4
Thong Pha Phum	27.3	0.9	99.8	-76.7	2124.7	388.8
Kanchanaburi	28.4	1.2	125.6	-83.7	1032.0	45.6
Bangkok Airport	29.6	1.7	137.4	-41.2	1470.0	281.6
Bangkok Metropolis	28.8	1.0	201.2	-67.7	1631.3	139.1
Over the area	28.5	1.1	136.0	-44.7 -25%	1326.7	126.3 11%

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	29.0	1.1	68.8	-95.1	1804.0	-32.3
Kabin Buri	28.5	1.1	75.1	-75.3	1672.0	57.1
Aranyaprathet	28.8	1.6	74.0	-96.5	1263.1	-62.6
Chon Buri	28.9	1.3	227.3	17.3	1240.1	4.2
Ko Sichang	28.0	0.5	209.9	-25.7	1292.9	109.4
Pattaya	27.6	0.7	164.1	-76.7	1058.8	25.1
Sattahip	27.6	0.5	302.2	28.9	1398.4	208.6
Rayong	27.7	0.2	202.0	-1.9	1513.5	183.3
Chanthaburi	27.6	0.9	172.6	-105.0	2420.5	-368.0
Khlong Yai	27.5	0.6	203.3	-154.2	5051.2	419.2
Over the area	28.1	0.8	169.9	-58.5 -26%	1871.5	54.3 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  
Rainfall and Accumulative Rainfall  
October 2012

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	28.5	0.9	174.6	-97.8	880.1	26.8
Hua Hin	28.1	0.9	96.0	-134.8	643.1	-162.8
Prachuap Khiri Khan	27.5	0.7	239.8	8.5	845.2	-45.3
Chumphon	27.3	0.8	221.5	-29.3	1411.6	-31.8
Surat Thani	27.1	0.8	84.6	-159.7	1346.2	263.3
Ko Samui	27.7	0.6	126.9	-176.6	1117.3	-127.5
Nakhon Si Thammarat	26.8	0.2	245.5	-76.6	1944.6	589.0
Songkhla	27.4	-0.1	255.8	3.6	1512.6	505.3
Hat Yai Airport	26.7	0.3	99.9	-111.5	1000.3	-96.8
Pattani Airport	27.2	0.5	127.0	-72.0	1256.1	214.6
Narathiwat	27.1	0.1	100.1	-157.9	1643.2	327.3
Over the area	27.4	0.5	161.1	-91.2 -36%	1236.4	132.9 12%

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	26.9	0.7	234.7	-179.6	5298.7	1388.9
Takua Pa	26.8	0.4	264.0	-242.3	4177.6	870.0
Phuket	28.6	1.3	83.2	-221.8	2417.7	379.7
Phuket Airport	27.6	0.8	176.0	-171.5	2761.5	546.6
Ko Lanta	27.6	0.4	48.4	-277.9	2003.3	28.9
Trang Airport	27.1	0.8	168.0	-114.3	2184.7	305.1
Satun	27.5	0.8	217.0	-105.4	2205.6	220.4
Over the area	27.4	0.7	170.2	-187.5 -52%	3007.0	534.3 22%

- 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.





