

## Monthly Weather Summary in Thailand December 2009

The continuation of high pressure area from China which extended to cover Thailand caused cool and cold weather over upper Thailand mainly in the upper portion of northern, northeastern parts and some areas of central part. In the mountainous areas and mountaintop the weather was cold and very cold. For southern part, cool weather was in many areas whereas the areas from Chumphon province southward experienced abundant rainfall due to the influence of the rather active northeast monsoon prevailing over southern part and the Gulf of Thailand. In upper Thailand, although rainfall was scanty there was a period of increased rainfall, especially during December 27 - 31 that southeasterly and southerly winds prevailed over upper Thailand. Monthly rainfall was below normal in northern part 6.9 mm (85%), northeastern part 1.4 mm (40%), central part 4.4 mm (81%), southern part (east coast) 130.0 mm (57%) and southern part (west coast) 31.1 mm (48%) while it was inversely above normal in eastern part 6.2 mm (82%). Mean temperature of December was 1.3 °C higher than normal over Thailand.

**1 – 10 December:** The northern and northeastern parts were experienced generally cool and cold weather. The lowest minimum temperature was 10.8 °C at Amphoe Umphang in Tak province on December 2 and dropped to 3.5 °C over the area of mountaintop at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 10. Cool weather was in the rest parts and cold weather was in some places of the central part. The rather active northeast monsoon prevailing over southern part and the Gulf of Thailand during the first half of this period and the low pressure cell over the coastal Malaysia during the beginning of the period caused scattered to fairly widespread rain with heavy to very heavy rain over southern Thailand from Chumphon province southward mainly along the east coast. The 24 hrs highest rainfall amount was 206.5 mm at Amphoe Tak Bai in Narathiwat province on December 2. Floods were reported at Phatthalung and Narathiwat provinces on the same day.

**11 – 20 December:** During this period, temperature was generally increased but generally cool weather persisted over Thailand and cold weather was in the upper portion of northern part and some areas of upper northeastern part. The lowest minimum temperature was 11.6 °C at Amphoe Thung Chang in Nan province on December 12 while the mountainous areas and mountaintop were experienced generally cold and very cold weather in some places. The lowest minimum temperature dropped to 3.0 °C at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 11. Affected by the weak northeast monsoon prevailing over southern part and the Gulf of Thailand, it became light rain continuous in southern Thailand. Isolated to widely scattered rain was found with heavy to very heavy rainfall in some places from Prachuap Khiri Khan province southward whereas unseasonable rainfall remained in upper Thailand. During late period, with the strengthening of the northeast monsoon, rainfall increased with the highest rainfall amount 188.0 mm at Amphoe Sukhirin in Narathiwat province on December 18. Flood was reported at Narathiwat province on December 20.

**21 – 31 December:** During the beginning of the period, the active high pressure area from China extended its ridge to cover upper Thailand and the active northeast monsoon prevailed over southern part and the Gulf of Thailand, then it was weakened and the another moderated high pressure area from China extended its ridge to cover upper northeastern part and the South China Sea. In addition, the southeasterly and southerly winds prevailed over upper Thailand during late period and caused increasing rainfall in upper Thailand especially during December 27 - 31, the maximum rainfall amount 61.4 mm was measured at Amphoe Bang Phli in Samut Prakan province on December 30. For southern part, rainfall decreased during mid and late period with heavy rainfall in some places. The maximum daily rainfall was 39.5 mm at Amphoe Tha Sala in Nakhon Si Thammarat province on December 21. This period, temperature over Thailand was decreased associated with generally cold weather remained over the upper portion of northern and northeastern parts mainly in the first half of the period. Cool weather was in the other areas during the first half of the period, then temperature become warmer in many areas. The lowest temperature 2.0 °C was measured at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 31 and 11.0 °C was recorded at Amphoe Muang in Nakhon Phanom province and Sakon Nakhon agrometeorological station in Sakon Nakhon province on December 22.

---

**Note :** Rainfall, temperatures and natural disasters in this report was updated up to January 6, 2010.

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
December 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	20.5	1.6	0.0	-18.5	1625.0	-77.2
Mae Hong Son	21.1	0.4	0.0	-14.3	841.5	-440.8
Phayao	20.9	1.1	0.5	-11.0	847.0	-248.9
Chiang Mai	22.5	1.4	7.5	-10.6	1070.2	-63.8
Tha Wang Pha	21.3	1.2	0.0	-9.3	1121.6	-274.7
Nan	22.2	1.8	0.0	-6.8	1095.3	-142.0
Lamphun	22.0	0.9	4.6	-2.6	737.2	-225.2
Lampang	22.7	1.7	0.0	-7.6	977.0	-83.0
Mae Sariang	21.1	0.2	0.0	-8.8	1574.5	434.8
Phrae	22.5	0.9	0.0	-7.0	1168.5	86.6
Uttaradit	24.6	1.2	0.0	-4.1	1183.3	-227.0
Bhumibol Dam	23.4	0.7	0.0	-7.2	1494.8	458.9
Tak	24.3	1.7	0.0	-5.2	1006.4	-47.4
Mae Sot	23.0	1.3	0.0	-4.2	1734.5	339.2
Umphang	20.7	1.3	0.0	-3.2	1618.9	191.4
Phitsanulok	25.3	1.2	0.1	-6.5	1348.6	13.0
Lom Sak	24.7	1.2	0.0	-4.5	1008.5	-35.8
Phetchabun	24.6	1.4	2.8	-3.8	1026.2	-52.9
Wichian Buri	25.3	0.8	8.5	3.6	1159.4	-44.8
Kamphaeng Phet	24.9	1.2	0.0	-5.6	1169.3	-111.0
Over the area	22.9	1.2	1.2	-6.9	1190.4	-27.4
				-85%		-2%

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	23.6	1.9	1.6	-3.4	1843.6	304.3
Loei	22.5	1.7	0.0	-5.5	1347.8	110.3
Udon Thani	23.6	1.5	0.0	-5.0	1513.9	123.1
Nakhon Phanom	23.3	1.7	10.0	5.2	2244.5	-11.3
Sakon Nakhon	23.3	1.6	16.3	10.0	1440.5	-159.4
Mukdahan	23.7	1.8	0.0	-2.7	1212.0	-295.1
Khon Kaen	24.6	2.0	0.0	-5.1	1039.9	-169.4
Kosum Phisai	24.7	1.6	3.6	-0.8	1332.3	113.7
Roi Et	24.4	1.9	0.0	-2.1	1305.2	-40.1
Chaiyaphum	25.0	1.6	0.0	-5.3	1502.1	384.1
Ubon Ratchathani	25.3	2.0	0.0	-1.3	1976.2	394.8
Tha Tum	24.5	1.0	0.0	-0.9	1438.6	48.7
Surin	25.6	2.3	0.0	-1.0	1534.8	183.2
Nakhon Ratchasima	25.4	2.3	1.6	-1.4	1212.5	177.8
Chok Chai	24.9	1.6	0.0	-1.8	1014.6	-82.0
Nang Rong	24.7	1.3	0.0	-2.3	1196.8	8.6
Over the area	24.3	1.7	2.1	-1.4	1447.2	68.1
				-40%		5%

- 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  
December 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	25.5	0.9	0.0	-4.9	1415.4	338.0
Bua Chum	25.1	1.0	0.0	-2.9	945.1	-140.1
Lop Buri	26.8	1.2	0.0	-4.4	1206.3	82.5
Suphan Buri	26.6	2.0	0.0	-9.3	654.2	-405.7
Thong Pha Phum	24.6	1.1	0.0	-2.9	1969.6	206.1
Kanchanaburi	26.5	1.8	0.0	-6.2	1329.2	273.9
Bangkok Airport	27.3	1.5	0.7	-6.8	2013.9	782.0
Bangkok Metropolis	28.0	2.1	7.3	2.3	2272.0	728.8
Over the area	26.3	1.4	1.0	-4.4 -81%	1475.7	233.1 19%

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	27.4	1.4	0.0	-6.9	1676.3	-202.0
Kabin Buri	26.1	0.6	0.2	-5.1	1370.2	-281.4
Aranyaprathet	27.0	2.2	1.0	-2.8	1352.2	-24.4
Chon Buri	28.0	2.1	29.3	24.6	1574.4	275.6
Ko Sichang	27.1	1.1	0.4	-7.1	1085.1	-169.1
Pattaya	27.1	1.5	0.6	-5.8	1040.5	-83.3
Sattahip	26.4	0.9	0.2	-8.4	1143.6	-142.4
Rayong	26.8	1.0	1.5	-3.1	1527.6	126.3
Chanthaburi	27.1	1.6	0.0	-8.2	3099.1	247.0
Khlong Yai	27.3	0.6	105.0	84.8	6114.8	1377.7
Over the area	27.0	1.3	13.8	6.2 82%	1998.4	112.3 6%

- 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  
December 2009

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	26.8	1.7	0.0	-11.1	871.3	-116.1
Hua Hin	27.1	1.7	0.0	-12.4	725.9	-239.8
Prachuap Khiri Khar	26.8	1.7	1.6	-20.6	793.1	-319.5
Chumphon	26.5	1.4	111.2	12.5	1617.2	-259.1
Surat Thani	26.3	0.8	79.3	-55.5	1420.2	-99.6
Ko Samui	27.5	1.1	122.5	-88.2	1336.8	-609.1
Nakhon Si Thammarat	26.2	0.6	247.0	-168.8	2175.5	-220.6
Songkhla	27.7	1.0	110.3	-310.0	2119.3	124.4
Hat Yai Airport	26.5	1.1	57.7	-211.7	1839.2	154.6
Pattani Airport	26.7	1.0	78.7	-285.4	1562.7	-280.7
Narathiwat	26.4	0.5	280.5	-279.1	2935.1	449.9
Over the area	26.8	1.2	99.0	-130.0 -57%	1581.5	-128.7 -8%

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	27.1	1.1	14.8	-20.8	4404.9	285.6
Takua Pa	27.1	0.9	63.5	7.6	3912.3	273.7
Phuket	28.5	1.1	78.9	19.5	2451.6	180.4
Phuket Airport	27.6	1.2	37.8	-28.1	2619.6	122.8
Ko Lanta	28.2	1.4	9.3	-39.1	1668.3	-515.2
Trang Airport	27.2	1.2	19.2	-91.2	2117.2	-79.1
Satun	28.1	1.3	15.8	-65.9	2584.2	304.5
Over the area	27.7	1.2	34.2	-31.1 -48%	2822.6	81.9 3%

- 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.