

Monthly Weather Summary in Thailand December 2010

The month of December continued a high pressure area from China that extended to cover Thailand. It brought cool and cold weather over upper Thailand especially during late December. In the mountainous areas and mountaintop, the weather was cold and very cold. Thailand's mean temperature of 25.1 °C was 1.2 °C above normal. In upper Thailand, rainfall was scanty but there were increasing rainfalls over short period during mid month, while southern Thailand received abundant rainfall almost the month, usually associated with the rather active northeast monsoon. Monthly rainfall was above normal in northern part 15.2 mm (188%), northeastern part 2.4 mm (69%), central part 18.6 mm (344%), eastern part 3.0 mm (39%), southern part (east coast) 123.9 mm (54%) and southern part (west coast) 120.2 mm (184%). The total rainfall over Thailand in December was 37.9 mm (82%) above normal.

1 – 10 December: The northern and northeastern parts experienced generally cool with cold weather in some areas. The lowest minimum temperature was 12.5 °C at Agrometeorological Station in Nakhon Phanom province on December 9 and dropped to 6.5 °C over the area of mountaintop at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 4 and 6. Cool weather was in the upper portion of the central and eastern parts. For rainfall, unseasonably rainfall was found in the northern, central and eastern parts meanwhile it remained abundant rainfall in southern Thailand with heavy to very heavy rainfall along the east coast. The highest amount of rainfall was 182.5 mm at Amphoe Ron Phibun in Nakhon Si Thammarat province on December 6. Flash floods were reported at Chumphon and Nakhon Si Thammarat provinces, a landslide was also reported at Ko Samui in Surat Thani province on December 7.

11 – 20 December: During this period, temperature was generally increased especially in the first half of the period but cool weather persisted in most areas of northern and northeastern parts. The lowest minimum temperature was 13.0 °C at Agrometeorological Station in Nakhon Phanom province and Agrometeorological Station in Sakon Nakhon province on December 18 while the mountainous areas and mountaintop experienced generally cold and very cold weather in some places. The lowest minimum temperature dropped to 6.0 °C at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 16. Affected by the westerly trough covering upper Thailand during early period, it became heavy to very heavy rainfall in some areas of upper Thailand during early and mid period with the highest rainfall amount 116.5 mm at Amphoe Wat Sing in Chai Nat province on December 16. For southern part, widely scattered to scattered rain with heavy rainfall was found in some areas during the first half of the period. After that, the northeast monsoon which prevailed over the Gulf of Thailand and southern part was strengthened. Resulted in increasing rainfall with heavy to very heavy rainfall. The highest amount of rainfall was 120.0 mm at Amphoe Thepha in Songkhla province on December 18.

21 – 31 December: Affected by the continuation of active high pressure area, the temperature fell sharply with generally cold weather in upper northern and northeastern parts mainly during mid and late period while the rest parts experienced cool weather in most areas. The lowest minimum temperature was 9.0 °C at Agrometeorological Station in Nakhon Phanom province on December 27 while the mountainous areas and mountaintop experienced generally cold to very cold weather and minimum temperature dropped to 2.0 °C at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 30. Frost occurred at Doi Angkhang and Doi Inthanon in Chiang Mai province on December 26. In addition, the northeast monsoon which prevailing over southern part and the Gulf of Thailand weakened during early period then southeasterly wind prevailed over upper Thailand caused unseasonal rainfall in upper Thailand especially during the first half of the period. The maximum rainfall amount was 26.5 mm at Amphoe Sattahip in Chon Buri province on December 25. For southern part, rainfall decreased during the first half of the period with heavy rainfall in some places then the areas from Surat Thani province southward experienced abundant rainfall with the highest rainfall amount 210.0 mm at Amphoe Si Sakhon in Narathiwat province on December 30. Flood was reported in Phatthalung province and a landslide was also reported in Songkhla province on December 31.

Note : Rainfall, temperatures and natural disasters in this report were updated up to January 14, 2011.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
December 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	21.8	2.9	2.0	-16.5	1824.8	122.6
Mae Hong Son	22.3	1.6	1.8	-12.5	1363.1	80.8
Phayao	22.0	2.2	5.8	-5.7	1158.2	62.3
Chiang Mai	23.5	2.4	6.1	-12.0	1156.0	22.0
Tha Wang Pha	22.6	2.5	8.4	-0.9	1693.2	296.9
Nan	23.0	2.6	26.6	19.8	1456.8	219.5
Lamphun	22.9	1.8	12.2	5.0	1355.1	392.7
Lampang	23.0	2.0	20.4	12.8	986.4	-73.6
Mae Sariang	22.8	1.9	26.7	17.9	1250.8	111.1
Phrae	23.4	1.8	21.3	14.3	1009.8	-72.1
Uttaradit	24.8	1.4	13.1	9.0	1156.7	-253.6
Bhumibol Dam	23.4	0.7	73.8	66.6	1153.4	117.5
Tak	24.2	1.6	14.4	9.2	1151.5	97.7
Mae Sot	23.7	2.0	21.1	16.9	1184.2	-211.1
Umphang	21.8	2.4	11.8	8.6	1479.8	52.3
Phitsanulok	25.4	1.3	63.5	56.9	1368.6	33.0
Lom Sak	24.8	1.3	35.8	31.3	879.5	-164.8
Phetchabun	24.8	1.6	36.3	29.7	1187.0	107.9
Wichian Buri	25.7	1.2	11.6	6.7	1655.6	451.4
Kamphaeng Phet	25.1	1.4	53.2	47.6	1594.4	314.1
Over the area	23.6	1.9	23.3	15.2 188%	1303.2	85.4 7%

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	23.8	2.1	2.3	-2.7	1591.8	52.5
Loei	22.4	1.6	76.6	71.1	1541.2	303.7
Udon Thani	23.6	1.5	2.6	-2.4	1507.7	116.9
Nakhon Phanom	23.3	1.7	0.0	-4.8	1944.5	-311.3
Sakon Nakhon	23.2	1.5	3.0	-3.3	1449.9	-150.0
Mukdahan	23.4	1.5	0.0	-2.7	1740.6	233.5
Khon Kaen	24.4	1.8	0.0	-5.1	1230.1	20.8
Kosum Phisai	24.6	1.5	2.2	-2.2	995.1	-223.5
Roi Et	24.0	1.5	0.0	-2.1	1156.2	-189.1
Chaiyaphum	24.9	1.5	4.6	-0.7	1506.3	388.3
Ubon Ratchathani	24.7	1.4	0.0	-1.3	1563.6	-17.8
Tha Tum	24.5	1.0	0.0	-0.9	1376.3	-13.6
Surin	24.9	1.6	0.0	-1.0	1321.9	-29.7
Nakhon Ratchasima	25.0	1.9	0.0	-3.0	1386.2	351.5
Chok Chai	24.6	1.3	0.0	-1.8	1505.2	408.6
Nang Rong	24.0	0.6	3.4	1.1	1129.2	-59.0
Over the area	24.1	1.5	5.9	2.4 69%	1434.1	55.0 4%

- 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 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	25.7	1.1	18.6	13.7	1575.5	498.1
Bua Chum	25.4	1.3	0.0	-2.9	1337.7	252.5
Lop Buri	26.8	1.2	3.7	-0.7	1227.8	104.0
Suphan Buri	26.4	1.8	18.3	9.0	962.6	-97.3
Thong Pha Phum	25.0	1.5	41.9	39.0	1535.6	-227.9
Kanchanaburi	26.2	1.5	11.8	5.6	1120.4	65.1
Bangkok Airport	27.1	1.3	75.1	67.6	1902.7	670.8
Bangkok Metropolis	27.6	1.7	22.7	17.7	2023.7	480.5
Over the area	26.3	1.4	24.0	18.6 344%	1460.8	218.2 18%

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	27.3	1.3	0.0	-6.9	2050.2	171.9
Kabin Buri	26.2	0.7	0.0	-5.3	968.1	-683.5
Aranyaprathet	26.7	1.9	7.7	3.9	1385.7	9.1
Chon Buri	27.6	1.7	3.4	-1.3	1376.4	77.6
Ko Sichang	26.9	0.9	13.2	5.7	1314.5	60.3
Pattaya	26.8	1.2	15.0	8.6	991.4	-132.4
Sattahip	26.4	0.9	32.5	23.9	1554.9	268.9
Rayong	26.8	1.0	0.0	-4.6	1716.1	314.8
Chanthaburi	27.0	1.5	28.2	20.0	2856.1	4.0
Khlong Yai	27.3	0.6	6.4	-13.8	3686.2	-1050.9
Over the area	26.9	1.2	10.6	3.0 39%	1790.0	-96.1 -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 2010

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	26.5	1.4	17.0	5.9	1179.1	191.7
Hua Hin	26.9	1.5	3.4	-9.0	876.0	-89.7
Prachuap Khiri Khar	26.8	1.7	1.7	-20.5	722.8	-389.8
Chumphon	26.2	1.1	142.4	43.7	1549.2	-327.1
Surat Thani	26.1	0.6	278.4	143.6	1993.6	473.8
Ko Samui	26.5	0.1	816.2	605.5	3008.3	1062.4
Nakhon Si Thammarat	25.8	0.2	479.7	63.9	2747.9	351.8
Songkhla	26.2	-0.5	706.6	286.3	2850.9	856.0
Hat Yai Airport	25.4	0.0	315.9	46.5	2006.2	321.6
Pattani Airport	26.0	0.3	495.9	131.8	2094.2	250.8
Narathiwat	25.5	-0.4	625.0	65.4	2590.2	105.0
Over the area	26.2	0.6	352.9	123.9 54%	1965.3	255.1 15%

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	26.3	0.3	162.1	126.5	3315.2	-804.1
Takua Pa	26.2	0.0	261.8	205.9	3384.5	-254.1
Phuket	27.6	0.2	149.5	90.1	2348.9	77.7
Phuket Airport	26.8	0.4	157.5	91.6	2804.4	307.6
Ko Lanta	26.5	-0.3	162.5	114.1	1876.7	-306.8
Trang Airport	25.8	-0.2	194.0	83.6	2342.7	146.4
Satun	26.4	-0.4	211.3	129.6	2549.1	269.4
Over the area	26.5	0.0	185.5	120.2 184%	2660.2	-80.5 -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.