

Monthly Weather Summary in Thailand December 2008

The continuation of high pressure area from China which extended to cover Thailand caused cool and cold weather over upper Thailand, particularly in the upper portion of northern part where very cold weather was experienced in some places for few days during the beginning of December that high pressure area covering upper Thailand was active. In the mountainous areas and mountaintop the weather was cold and very cold. For southern part, cool weather was mainly occurred in the upper portion and cold weather was occasionally experienced in some places whereas the lower portion from Surat Thani province southward experienced plentiful rainfall along the east coast due to the influence of the rather active northeast monsoon prevailing over southern part and the Gulf of Thailand almost this month. In upper Thailand, although rainfall was scanty there was a period of rainfall increase, late December especially on December 26, that westerly trough moved through the northern and northeastern parts. Monthly rainfall was above normal in northern part (1.9 mm (23%), northeastern part 0.3 mm (9%) and southern part (east coast) 30.3 mm (13%) while it was inversely below normal in central, eastern and southern part (west coast) 5.4 mm (100%), 7.3 mm (96%) and 28.5 mm (44%) respectively. Mean temperatures of December were slightly below normal in upper Thailand.

1 – 10 December: The northern and northeastern parts experienced generally cool and cold weather, especially very cold weather in some places in upper portion of northern part where 7.2 °C was recorded at Amphoe Muang in Nan province on December 2 and 2.0 °C was measured with the report of frost at Doi Angkhang, Amphoe Fang in Chiang Mai province on the same day and frost at Doi Inthanon, Amphoe Chom Thong in Chiang Mai on December 8. The active northeast monsoon prevailing over southern part and the Gulf of Thailand almost this period and the low pressure cell over the coastal Malaysia during the first day and middle of period caused scattered rainfall with heavy to very heavy over southern Thailand mainly along the east coast during this period while there was no rain over upper Thailand. The highest rainfall amount was 399.0 mm at Amphoe Muang in Narathiwat province on December 1. Flash flood was reported at Songkhla on the same day.

11 – 20 December: Generally cool and cold weather persisted in northern and northeastern parts mainly during early and late period. The lowest minimum temperature was 9.5 °C at Amphoe Umphang in Tak province on December 20 and it dropped to 3.0 °C over the area of mountaintop at Doi Inthanon in Chiang Mai province on the same day. Elsewhere, cool weather was experienced with the report of cold in some places during the early and late period. Rainfall in southern part decreased from the previous period because the northeast monsoon which prevailing over southern part and the Gulf of Thailand was weak. Widely scattered to scattered rain was found with heavy rainfall in some places of the east coast whereas isolated rain was in the west coast almost the period. The highest rainfall amount was 84.5 mm at Amphoe Bacho in Narathiwat province on December 12.

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 northeast monsoon which prevailing over southern part and the Gulf of Thailand was intensified. In addition, the westerly trough moved through the northern and northeastern parts during mid period caused increasing rainfall in upper Thailand especially on December 26, that fairly widespread rain was recorded in northern and northeastern parts with heavy rainfall in some places and 40.4 mm rainfall was measured at King Amphoe Phu Phiang in Nan province on December 26. For southern part, rainfall increased during mid and late period with heavy to very heavy rainfall in some places. The maximum daily rainfall was 182.0 mm at Amphoe Muang in Surat Thani province on December 26 and flood with mudslide at Surat Thani province on December 27. This period, temperature over Thailand was generally increased but cold weather remained over the upper portion of northern part almost the period and over several places of upper northeastern part during the first half of the period. Elsewhere, cool weather and cold weather in some areas were found during early period. The lowest temperature 2.0 °C was measured at Doi Angkhang, Amphoe Fang in Chiang Mai province on December 21 and 9.2 °C was recorded at Amphoe Umphang in Tak province on December 21.

Note : Rainfall, temperatures and natural disasters in this report was updated up to January 9, 2009.

Climatological Group
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
December 2008

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	19.1	0.2	2.5	-16.0	1729.1	26.9
Mae Hong Son	20.1	-0.6	0.0	-14.3	1550.0	267.7
Phayao	19.0	-0.8	6.7	-4.8	1172.9	77.0
Chiang Mai	21.6	0.5	7.1	-11.0	1141.0	7.0
Tha Wang Pha	19.7	-0.4	30.2	20.9	1868.1	471.8
Nan	20.6	0.2	26.0	19.2	1173.0	-64.3
Lamphun	20.6	-0.5	15.0	7.8	1226.7	264.3
Lampang	20.9	-0.1	12.3	4.7	994.5	-65.5
Mae Sariang	20.4	-0.5	0.7	-8.1	1175.1	35.4
Phrae	21.2	-0.4	26.8	19.8	1245.4	163.5
Uttaradit	22.9	-0.5	7.9	3.8	1305.7	-104.6
Bhumibol Dam	21.4	-1.3	24.3	17.1	1057.7	21.8
Tak	22.2	-0.4	18.6	13.4	1212.2	158.4
Mae Sot	21.5	-0.2	10.4	6.2	1978.5	583.2
Umphang	19.0	-0.4	9.1	5.9	1422.7	-4.8
Phitsanulok	23.4	-0.7	0.2	-6.4	1338.5	2.9
Lom Sak	22.6	-0.9	0.0	-4.5	991.2	-53.1
Phetchabun	22.8	-0.4	0.0	-6.6	1375.2	296.1
Wichian Buri	23.6	-0.9	0.0	-4.9	1852.4	648.2
Kamphaeng Phet	23.1	-0.6	1.9	-3.7	1704.4	424.1
Over the area	21.3	-0.4	10.0	1.9 23%	1375.7	157.9 13%

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	21.7	0.0	0.3	-4.7	2331.0	791.7
Loei	20.2	-0.6	0.0	-5.5	1274.6	37.1
Udon Thani	21.5	-0.6	0.1	-4.9	1662.6	271.8
Nakhon Phanom	21.8	0.2	7.2	2.4	2786.2	530.4
Sakon Nakhon	21.3	-0.4	6.8	0.5	2142.0	542.1
Mukdahan	21.5	-0.4	17.5	14.8	1400.2	-106.9
Khon Kaen	22.3	-0.3	0.0	-5.1	1780.6	571.3
Kosum Phisai	22.8	-0.3	0.2	-4.2	1810.6	592.0
Roi Et	22.2	-0.3	13.9	11.8	1342.8	-2.5
Chaiyaphum	23.1	-0.3	0.1	-5.2	1695.2	577.2
Ubon Ratchathani	23.3	0.0	0.0	-1.3	1396.1	-185.3
Tha Tum	22.8	-0.7	11.1	10.2	1434.2	44.3
Surin	23.0	-0.3	1.5	0.5	1541.7	190.1
Nakhon Ratchasima	23.0	-0.1	0.3	-2.7	1375.6	340.9
Chok Chai	22.6	-0.7	1.4	-0.4	1337.8	241.2
Nang Rong	22.5	-0.9	0.5	-1.8	1524.7	336.5
Over the area	22.2	-0.4	3.8	0.3 9%	1677.2	298.1 22%

- 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
December 2008

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	23.8	-0.8	0.0	-4.9	1486.2	408.8
Bua Chum	22.9	-1.2	0.0	-2.9	1280.0	194.8
Lop Buri	25.1	-0.5	0.0	-4.4	1473.2	349.4
Suphan Buri	24.1	-0.5	0.0	-9.3	945.0	-114.9
Thong Pha Phum	22.4	-1.1	0.2	-2.7	1861.1	97.6
Kanchanaburi	24.5	-0.2	0.0	-6.2	1324.8	269.5
Bangkok Airport	25.6	-0.2	0.0	-7.5	1553.4	321.5
Bangkok Metropolis	26.4	0.5	0.0	-5.0	1902.4	359.2
Over the area	24.4	-0.5	0.0	-5.4 -100%	1478.3	235.6 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	25.6	-0.4	0.0	-6.9	1985.3	107.0
Kabin Buri	24.7	-0.8	0.2	-5.1	1955.6	304.0
Aranyaprathet	24.9	0.1	0.0	-3.8	1450.8	74.2
Chon Buri	26.3	0.4	0.0	-4.7	1271.0	-27.8
Ko Sichang	25.8	-0.2	0.0	-7.5	1069.1	-185.1
Pattaya	25.5	-0.1	0.0	-6.4	1078.2	-45.6
Sattahip	25.4	-0.1	0.0	-8.6	1417.5	131.5
Rayong	25.5	-0.3	0.0	-4.6	1201.2	-200.1
Chanthaburi	25.9	0.4	0.0	-8.2	3452.4	600.3
Khlong Yai	26.8	0.1	2.9	-17.3	4511.9	-225.2
Over the area	25.6	-0.1	0.3	-7.3 -96%	1939.3	52.2 3%

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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	25.0	-0.1	0.2	-10.9	881.6	-105.8
Hua Hin	25.6	0.2	0.0	-12.4	586.4	-379.3
Prachuap Khiri Khar	25.3	0.2	0.0	-22.2	932.1	-180.5
Chumphon	25.1	0.0	0.0	-98.7	1701.9	-174.4
Surat Thani	25.4	-0.1	67.5	-67.3	1625.3	105.5
Ko Samui	26.7	0.3	96.7	-114.0	2286.9	341.0
Nakhon Si Thammarat	25.5	-0.1	305.1	-110.7	3251.4	855.3
Songkhla	26.3	-0.4	396.9	-23.4	2848.8	853.9
Hat Yai Airport	25.3	-0.1	276.7	7.3	1982.1	295.9
Pattani Airport	25.6	-0.1	626.1	262.0	2600.6	757.2
Narathiwat	25.3	-0.6	1082.8	523.2	3297.3	812.1
Over the area	25.6	0.0	259.3	30.3 13%	1999.5	288.6 17%

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	26.6	0.6	0.0	-35.6	3787.8	-331.5
Takua Pa	27.0	0.8	12.0	-43.9	3638.3	-0.3
Phuket	27.7	0.3	27.8	-31.6	2174.3	-96.9
Phuket Airport	27.1	0.7	35.3	-30.6	2309.9	-186.9
Ko Lanta	27.0	0.2	20.5	-27.9	2458.4	274.9
Trang Airport	26.2	0.2	56.8	-53.6	1782.0	-414.3
Satun	26.9	0.1	105.1	23.4	2382.2	102.5
Over the area	26.9	0.4	36.8	-28.5 -44%	2647.6	-92.9 -3%

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