

Monthly Weather Summary in Thailand

January 2008

The continuation of high pressure area from China which extended to cover upper Thailand caused cool and cold weather in most areas of upper Thailand, particularly during early January the active high pressure area continually covered upper Thailand. It caused cool and cold weather in upper Thailand, especially in northern and northeastern parts that experienced cold and very cold weather. However, high pressure area over upper Thailand extended eastward to cover the South China sea during late January, leading to the confluence of southerly and southeasterly wind prevailing over upper Thailand. This associated with the westerly trough from Myanmar moving through the northern and upper northeastern parts during on 28-29 January caused increasing in temperature and plentiful of rainfall in upper Thailand. In southern Thailand, plentiful of rainfall was found mainly along the east coast because of the continuation the active northeast monsoon prevailing over southern part and the Gulf of Thailand. Monthly rainfall was above normal in general i.e. northern part 10.3 mm (175%), northeastern part 1.9 mm (46%), central part 4.9 mm (79%), southern part (east coast) 7.1 mm (12%) and southern part (west coast) 33.4 mm (146%) while it was inversely below normal in eastern part 7.8 mm (53%). Mean temperatures of January 2008 were above normal in every parts.

1 – 10 January: The weather was relatively cool in major area of Thailand, especially in northern and northeastern parts that experienced cold and very cold weather. The minimum temperature of the period was 6.0 °C, at Agrometeorological Station in Nan province on January 3 while the lowest temperature, 2.0 °C on January 3 at the mountaintop with the occurrence of frost at Doi Angkhang, Amphoe Fang in Chiang Mai province on January 3 and 4. During this period, there was no rain over upper Thailand. Southern Thailand, from Chumphon province experienced widely scattered to scattered rain with isolated heavy to very heavy rainfall along the east coast. The heaviest daily rainfall of 223.6 mm was measured at Walailak University in Nakhonsi Thammarat province on January 2.

11 – 20 January: Cool weather was measured in several areas of upper Thailand but cold and very cold weather were limited to the upper portion of northern region and mountainous areas. The lowest minimum temperature was 7.0 °C at Umphang in Tak province on January 14 and temperature in the area of mountaintop climbed down to 2.0 °C with the occurrence of frost at Doi Angkhang, Amphoe Fang in Chiang Mai province on January 17. During this period, there was unexpectedly slight isolated rain in eastern part on January 14 and 15 while there was rain in some areas of southern Thailand in the second half of the period, especially during January 17-18 that almost widespread rain with isolated heavy to very heavy rainfall occurred along the east coast. The highest daily rainfall was 100.0 mm at Amphoe Muang in Phatthalung province on January 17.

21 – 31 January: Although temperature was increased, cool and cold weather persisted in northern and northeastern parts. The lowest minimum temperature was 10.6 °C at Umphang in Tak province on January 14 but that of the mountaintop shifted upward to 3.0 at Doi Angkhang, Amphoe Fang in Chiang Mai province on January 22. During this period, rainfall in upper Thailand increased mainly during the middle and the end of period. The heaviest daily rainfall was 123.8 mm at Triam Nomklao School in Bangkok province on January 30, while southern Thailand obtained isolated rain and heavy rainfall along the east coast. The heaviest daily rainfall was 75.1 mm at Amphoe Muang in Nakhon Si Thammarat province on January 25

Note : Rainfall, temperatures and natural disasters in this report was updated up to January 3, 2008.

Monthly Current Report
Rainfall and Accumulative Rainfall
January 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	20.2	1.1	30.8	19.6	30.8	19.6
Mae Hong Son	20.6	0.5	75.4	67.7	75.4	67.7
Phayao	20.6	-0.1	7.5	2.5	7.5	2.5
Chiang Mai	22.3	1.4	16.6	8.9	16.6	8.9
Tha Wang Pha	20.8	0.2	51.7	42.6	51.7	42.6
Nan	22.1	1.3	17.8	10.5	17.8	10.5
Lamphun	21.8	0.2	14.9	12.5	14.9	12.5
Lampang	22.5	1.0	9.4	3.8	9.4	3.8
Mae Sariang	21.1	0.8	14.2	7.2	14.2	7.2
Phrae	22.6	0.7	40.3	34.0	40.3	34.0
Uttaradit	24.5	0.7	25.0	17.6	25.0	17.6
Bhumibol Dam	23.5	-0.2	2.1	-2.3	2.1	-2.3
Tak	24.6	1.0	0.0	-4.2	0.0	-4.2
Mae Sot	23.3	1.4	9.6	7.3	9.6	7.3
Umphang	20.8	0.8	0.0	-7.5	0.0	-7.5
Phitsanulok	24.7	0.2	0.1	-5.0	0.1	-5.0
Lom Sak	24.4	0.0	3.3	-1.1	3.3	-1.1
Phetchabun	24.5	0.6	3.6	-2.0	3.6	-2.0
Wichian Buri	25.4	0.0	0.8	-6.1	0.8	-6.1
Kamphaeng Phet	24.8	0.2	0.0	-1.8	0.0	-1.8
Over the area	22.8	0.6	16.2	10.3 175%	16.2	10.3 175%

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	22.6	0.4	11.3	4.4	11.3	4.4
Loei	21.7	0.2	22.4	16.5	22.4	16.5
Udon Thani	22.3	-0.3	24.4	19.2	24.4	19.2
Nakhon Phanom	22.0	0.1	5.0	1.5	5.0	1.5
Sakon Nakhon	21.8	-0.3	7.3	3.2	7.3	3.2
Mukdahan	22.5	0.1	2.0	-2.6	2.0	-2.6
Khon Kaen	23.5	0.4	8.4	6.3	8.4	6.3
Kosum Phisai	23.4	-0.3	6.4	4.4	6.4	4.4
Roi Et	23.5	0.5	0.6	-3.9	0.6	-3.9
Chaiyaphum	24.5	0.5	1.5	-1.8	1.5	-1.8
Ubon Ratchathani	24.4	0.6	0.0	-1.2	0.0	-1.2
Tha Tum	23.8	-0.4	0.0	-1.6	0.0	-1.6
Surin	24.4	0.4	0.1	-4.7	0.1	-4.7
Nakhon Ratchasima	24.6	0.7	5.9	0.0	5.9	0.0
Chok Chai	24.5	0.0	0.4	-3.5	0.4	-3.5
Nang Rong	23.9	-0.6	0.3	-6.1	0.3	-6.1
Over the area	23.3	0.1	6.0	1.9 46%	6.0	1.9 46%

- 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 dry-bulb temperature
 - 3) "T" is trace, rainfall amount less than 0.1 mm.
 - 4) "blank" is incomplete data.

Monthly Current Report
Rainfall and Accumulative Rainfa
January 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	25.2	-0.3	18.6	13.2	18.6	13.2
Bua Chum	25.0	-0.2	1.9	-2.9	1.9	-2.9
Lop Buri	26.8	0.6	0.0	-4.7	0.0	-4.7
Suphan Buri	25.9	0.5	0.0	-6.5	0.0	-6.5
Thong Pha Phum	25.2	0.4	0.0	-5.3	0.0	-5.3
Kanchanaburi	26.6	1.0	0.9	-4.3	0.9	-4.3
Bangkok Airport	27.4	1.1	5.0	-3.9	5.0	-3.9
Bangkok Metropolis	27.8	1.4	62.1	53.0	62.1	53.0
Over the area	26.2	0.5	11.1	4.9 79%	11.1	4.9 79%

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	27.1	0.5	0.0	-7.7	0.0	-7.7
Kabin Buri	26.4	-0.1	9.8	2.9	9.8	2.9
Aranyaprathet	26.5	0.9	9.7	3.1	9.7	3.1
Chon Buri	27.3	1.0	0.0	-10.9	0.0	-10.9
Ko Sichang	27.0	0.7	0.0	-8.4	0.0	-8.4
Pattaya	26.7	0.5	0.0	-13.9	0.0	-13.9
Sattahip	26.4	0.5	1.5	-20.8	1.5	-20.8
Rayong	26.5	0.4	3.7	-15.9	3.7	-15.9
Chanthaburi	26.9	1.0	43.0	30.6	43.0	30.6
Khlong Yai	27.4	1.0	0.8	-37.5	0.8	-37.5
Over the area	26.8	0.6	6.9	-7.8 -53%	6.9	-7.8 -53%

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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	26.4	0.7	0.0	-8.7	0.0	-8.7
Hua Hin	26.3	0.7	0.8	-8.7	0.8	-8.7
Prachuap Khiri Khar	26.0	1.1	27.2	0.2	27.2	0.2
Chumphon	26.5	1.1	60.0	-14.7	60.0	-14.7
Surat Thani	26.2	0.2	91.3	57.6	91.3	57.6
Ko Samui	27.0	0.4	73.5	-57.1	73.5	-57.1
Nakhon Si Thammarat	26.0	0.3	103.0	-43.9	103.0	-43.9
Songkhla	27.1	-0.1	92.1	37.5	92.1	37.5
Hat Yai Airport	26.2	0.4	95.9	47.7	95.9	47.7
Pattani Airport	26.4	0.6	95.3	47.4	95.3	47.4
Narathiwat	26.1	0.0	99.5	21.1	99.5	21.1
Over the area	26.4	0.5	67.1	7.1 12%	67.1	7.1 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	27.5	1.3	36.7	24.5	36.7	24.5
Takua Pa	27.0	0.7	133.6	98.4	133.6	98.4
Phuket	28.4	0.5	57.0	35.3	57.0	35.3
Phuket Airport	27.6	0.9	70.9	35.0	70.9	35.0
Ko Lanta	27.8	0.2	22.9	15.6	22.9	15.6
Trang Airport	27.0	0.5	28.6	-7.3	28.6	-7.3
Satun	27.8	0.4	44.1	31.8	44.1	31.8
Over the area	27.6	0.7	56.3	33.4 146%	56.3	33.4 146%

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