

Monthly Weather Summary in Thailand December 2015

Affected by the high pressure area from China continuously extended its ridge to cover upper Thailand almost the month and it was occasionally strengthen, the weather of December 2015 was cool in most areas of upper Thailand almost the month especially cold weather in several areas of the northern and northeastern parts during the middle month. Cold to very cold weather with frosts reported in some areas of mountainous areas and mountain tops. However mean monthly temperature of this December was anomalous warmth in all parts of the country in particular across the northern, northeastern and central parts where notable warmth exceeds 2.0 °C above normal.

With the occasionally passage of the westerly trough associated with the prevailing northeast monsoon throughout the month and the active low pressure cell in the middle South China Sea moved to cover the lower southern part and the Gulf of Thailand on 23-24 December, unseasonal rainfall occasionally occurred in some areas of upper Thailand mainly during early and late month while abundant rainfall occurred mainly along the east coast of southern part nearly the whole month. However, monthly rainfall was above normal in northern part 25.3 mm (309%), central part 12.5 mm (240%), eastern part 13.3 mm (164%) and southern part (west coast) 1.3 mm (2%) while it was below normal in northeastern part 1.0 mm (29%) and southern part (east coast) 83.7 mm (35%).

1–10 December: High pressure area covered upper Thailand throughout the period and another moderate high pressure area from China extended its ridge to cover the mentioned areas during middle period. In addition, moderate northeast monsoon prevailing over Thailand and the Gulf of Thailand almost the whole period. These conditions caused cool weather nearly the whole areas of northern and northeastern parts during the first half of the period, then decreasing in temperature with generally cool weather and cold weather in some areas in upper portion. Central and eastern parts were cool weather in some areas during the first half the period then temperature decreased to generally cool weather in upper portion. The minimum temperature of the period was 13.4 °C, at Chaing Rai Agromet Stn. in Chaing Rai province on December 10. In the Mountainous areas and mountain tops, temperature climbed down to 3.6 °C at Doi Intanon in Chaing Mai province on 10 December and frost occurred at Doi Intanon on the same day. For rainfall, unseasonable rainfall was observed in upper Thailand with the maximum daily rainfall of 109.2 mm at Thung Chang in Nan province on 4 December. Scattered to fairly widespread rain with heavy to very heavy rainfall occurred in southern part mainly along east coast. The highest daily rainfall was 136.5 mm at Lamae in Chumphon province on 7 December.

11–20 January: High pressure area covered upper Thailand throughout the period and another rather active high pressure area from China extended its ridge to cover the mentioned areas during late period. In addition, northeast monsoon which prevailed over Thailand and Gulf of Thailand strengthened during the second half of the period. These conditions caused temperature decreased during the second half of the period with generally cool weather in upper Thailand especially cold weather in several areas of northern and northeastern parts. The minimum temperature of the period

was 11.1 °C, at Nakhon Phanom Agromet Stn. in Nakhon Phanom province on 18 December. In the Mountainous areas and mountain tops, temperature dropped to 6.0 °C at Doi Intanon in Chaing Mai and Royal Agricultural Station Angkhang and Phuluang Wildlife Sanctuary, Loei province on 20 December. Isolated rain with heavy rainfall in some areas of upper Thailand for few days with the maximum daily rainfall of 53.7 mm Bo Rai in Trat province on 11 December while southern part experienced widely scattered to scattered rain almost the whole period with isolated heavy to very heavy rainfall. The heaviest daily rainfall of 113.6 mm was measured at Amphoe Mueang in Narathiwat province on 17 December.

21–31 January: Under the influence of the high pressure area and moderate northeast monsoon, the cool and cold weather still in northern and northeastern parts whereas central, eastern and upper southern parts still experienced cool weather in several areas mainly during late period. The lowest temperature 13.0 C was measured at Amphoe Umphang in Tak province on 22 December and 5.6 °C was over the area of mountaintop at Doi Angkhang in Chiang Mai province on 23 December. For rainfall, Thailand experienced isolated rain with heavy rainfall in some areas mainly in the first half of the period except for fairly widespread rain with heavy to very heavy rainfall in some areas of southern part (east coast) on 23-24 December affected by the active low pressure cell in the middle South China Sea that moved to cover the lower southern part and the Gulf of Thailand on the mention days. The maximum daily rainfall in upper Thailand was 40.1 mm at Khlung in Chanthaburi province on 23 December and the heaviest daily rainfall of southern part was 171.4 mm at Amphoe Muaeng in Phattalung on 24 December.

Note : Rainfall, temperatures and natural disasters in this report were updated up to January 14, 2016.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
December 2015

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	21.7	2.3	35.6	21.6	1431.5	-259.0
Mae Hong Son	22.1	1.2	12.6	2.2	1064.9	-227.5
Phayao	22.4	2.4	16.1	5.2	814.8	-322.2
Chiang Mai	24.5	3.1	4.9	-11.0	831.8	-298.8
Tha Wang Pha	22.2	1.7	60.3	49.3	1388.7	-19.4
Nan	23.2	2.2	74.1	65.5	1130.4	-103.7
Lamphun	24.2	2.9	5.9	-1.5	1081.3	77.5
Lampang	24.0	2.4	68.7	61.7	955.8	-89.7
Mae Sariang	22.6	1.7	10.8	3.2	1078.6	-57.2
Phrae	24.2	2.4	44.4	36.6	902.5	-212.3
Uttaradit	25.8	2.1	70.2	65.2	903.9	-467.7
Bhumibol Dam	25.4	2.7	16.9	9.7	790.5	-252.9
Tak	25.5	2.5	25.1	20.0	778.6	-282.5
Mae Sot	25.0	3.0	11.3	5.4	1572.1	104.5
Umphang	22.7	2.9	83.1	78.0	1430.8	-30.5
Phitsanulok	26.3	2.0	8.4	-2.7	893.8	-423.2
Lom Sak	26.2	2.4	11.7	7.2	782.0	-261.1
Phetchabun	26.2	2.7	28.7	20.9	973.1	-160.3
Wichian Buri	26.4	1.6	68.4	64.1	1201.1	-19.5
Kamphaeng Phet	26.4	2.3	12.4	5.7	994.6	-310.0
Over the area	24.4	2.4	33.5	25.3 309%	1050.0	-180.9 -15%

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	24.9	2.8	16.9	12.6	1697.1	88.9
Loei	23.9	2.8	17.8	9.1	895.3	-345.6
Udon Thani	24.9	2.5	0.0	-2.9	1211.2	-207.2
Nakhon Phanom	24.8	2.8	0.1	-4.7	2142.7	-204.1
Sakon Nakhon	24.3	2.4	0.2	-5.4	1441.4	-203.6
Mukdahan	24.9	2.7	0.0	-2.6	1168.1	-311.9
Khon Kaen	25.6	2.6	0.0	-4.1	1006.1	-240.7
Kosum Phisai	26.0	2.5	0.0	-3.1	889.1	-374.6
Roi Et	26.0	3.1	0.0	-2.1	1051.7	-290.3
Chaiyaphum	26.6	2.8	0.1	-4.0	919.4	-217.8
Ubon Ratchathani	26.7	3.0	0.0	-1.0	1329.9	-251.8
Tha Tum	26.4	2.7	0.0	-1.0	1062.5	-325.4
Surin	26.8	3.2	0.0	-1.9	1260.9	-171.3
Nakhon Ratchasima	26.9	3.3	3.3	0.6	1171.1	99.6
Chok Chai	26.4	2.8	0.7	-2.5	1049.3	-25.5
Nang Rong	26.0	2.4	0.8	-2.6	1187.4	-6.5
Over the area	25.7	2.8	2.5	-1.0 -29%	1217.7	-186.8 -13%

- 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
December 2015

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	26.8	2.2	17.6	13.0	804.3	-345.4
Bua Chum	26.1	1.8	67.4	64.9	1055.6	-29.7
Lop Buri	27.5	1.7	7.8	3.3	1185.0	59.9
Suphan Buri	27.4	2.4	0.0	-6.7	960.6	-14.8
Thong Pha Phum	26.3	2.4	1.9	-2.8	1496.6	-289.9
Kanchanaburi	28.0	3.1	0.0	-6.2	966.5	-89.9
Bangkok Airport	28.4	2.0	3.9	-2.2	1237.9	-137.0
Bangkok Metropolis	28.6	2.1	42.7	36.4	1910.1	261.9
Over the area	27.4	2.2	17.7	12.5 240%	1202.1	-73.1 -6%

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	28.5	2.3	2.5	-2.5	1642.7	-180.6
Kabin Buri	27.5	1.9	0.0	-3.9	1399.7	-197.1
Aranyaprathet	28.4	3.1	0.0	-4.8	982.4	-362.4
Chon Buri	28.8	2.3	50.9	45.4	1046.0	-249.6
Ko Sichang	28.1	1.9	5.4	-3.1	828.5	-390.4
Pattaya	27.9	2.0	21.5	13.2	1051.2	-59.5
Sattahip	27.1	1.1	12.9	2.4	1205.1	-61.5
Rayong	27.6	1.6	41.6	35.7	1449.6	66.4
Chanthaburi	28.1	2.1	22.5	15.7	2776.0	-218.2
Khlong Yai	27.9	1.1	56.3	35.0	4551.1	-294.7
Over the area	28.0	1.9	21.4	13.3 164%	1693.2	-195.0 -10%

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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	27.7	2.3	5.4	-6.2	794.0	-193.3
Hua Hin	27.9	2.1	20.1	12.2	641.0	-314.1
Prachuap Khiri Khan	26.9	1.4	46.6	31.6	1028.3	-63.5
Chumphon	26.7	1.4	283.8	160.5	2172.0	299.3
Surat Thani	26.8	1.3	72.0	-57.4	1497.5	-124.5
Ko Samui	27.7	1.1	217.0	6.7	1437.4	-522.7
Nakhon Si Thammarat	26.6	0.9	399.7	-52.0	2097.5	-399.0
Songkhla	28.0	1.2	181.4	-263.3	1651.0	-415.7
Hat Yai Airport	27.1	1.5	63.8	-203.9	1319.6	-406.7
Pattani Airport	27.3	1.4	79.3	-299.0	1287.9	-577.2
Narathiwat	27.2	1.3	315.7	-249.9	2069.7	-391.0
Over the area	27.3	1.5	153.2	-83.7 -35%	1454.2	-282.7 -16%

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	27.3	1.0	25.2	-20.3	3596.2	-472.2
Takua Pa	27.5	1.1	121.3	59.6	3394.3	-263.3
Phuket	29.2	1.6	51.4	-21.0	2488.7	269.2
Phuket Airport	28.1	1.4	210.3	142.9	2663.1	188.1
Ko Lanta	28.0	1.1	59.2	3.6	2193.0	16.4
Trang Airport	27.6	1.4	10.2	-115.2	2083.8	-64.7
Satun	28.3	1.3	56.6	-40.3	2773.7	483.8
Over the area	28.0	1.3	76.3	1.3 2%	2741.8	22.5 1%

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Monthly Current Report

December 2015

Region	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
North	Chiang Rai	21.7	2.3	35.6	21.6	1431.5	-259.0
	Mae Hong Son	22.1	1.2	12.6	2.2	1064.9	-227.5
	Phayao	22.4	2.4	16.1	5.2	814.8	-322.2
	Chiang Mai	24.5	3.1	4.9	-11.0	831.8	-298.8
	Tha Wang Pha	22.2	1.7	60.3	49.3	1388.7	-19.4
	Nan	23.2	2.2	74.1	65.5	1130.4	-103.7
	Lamphun	24.2	2.9	5.9	-1.5	1081.3	77.5
	Lampang	24.0	2.4	68.7	61.7	955.8	-89.7
	Mae Sariang	22.6	1.7	10.8	3.2	1078.6	-57.2
	Phrae	24.2	2.4	44.4	36.6	902.5	-212.3
	Uttaradit	25.8	2.1	70.2	65.2	903.9	-467.7
	Bhumibol Dam	25.4	2.7	16.9	9.7	790.5	-252.9
	Tak	25.5	2.5	25.1	20.0	778.6	-282.5
	Mae Sot	25.0	3.0	11.3	5.4	1572.1	104.5
	Umphang	22.7	2.9	83.1	78.0	1430.8	-30.5
	Phitsanulok	26.3	2.0	8.4	-2.7	893.8	-423.2
	Lom Sak	26.2	2.4	11.7	7.2	782.0	-261.1
	Phetchabun	26.2	2.7	28.7	20.9	973.1	-160.3
	Wichian Buri	26.4	1.6	68.4	64.1	1201.1	-19.5
	Kamphaeng Phet	26.4	2.3	12.4	5.7	994.6	-310.0
Northeast	Nong Khai	24.9	2.8	16.9	12.6	1697.1	88.9
	Loei	23.9	2.8	17.8	9.1	895.3	-345.6
	Udon Thani	24.9	2.5	0.0	-2.9	1211.2	-207.2
	Nakhon Phanom	24.8	2.8	0.1	-4.7	2142.7	-204.1
	Sakon Nakhon	24.3	2.4	0.2	-5.4	1441.4	-203.6
	Mukdahan	24.9	2.7	0.0	-2.6	1168.1	-311.9
	Khon Kaen	25.6	2.6	0.0	-4.1	1006.1	-240.7
	Kosum Phisai	26.0	2.5	0.0	-3.1	889.1	-374.6
	Roi Et	26.0	3.1	0.0	-2.1	1051.7	-290.3
	Chaiyaphum	26.6	2.8	0.1	-4.0	919.4	-217.8
	Ubon Ratchathani	26.7	3.0	0.0	-1.0	1329.9	-251.8
	Tha Tum	26.4	2.7	0.0	-1.0	1062.5	-325.4
	Surin	26.8	3.2	0.0	-1.9	1260.9	-171.3
	Nakhon Ratchasima	26.9	3.3	3.3	0.6	1171.1	99.6
	Chok Chai	26.4	2.8	0.7	-2.5	1049.3	-25.5
Nang Rong	26.0	2.4	0.8	-2.6	1187.4	-6.5	
Central	Nakhon Sawan	26.8	2.2	17.6	13.0	804.3	-345.4
	Bua Chum	26.1	1.8	67.4	64.9	1055.6	-29.7
	Lop Buri	27.5	1.7	7.8	3.3	1185.0	59.9
	Suphan Buri	27.4	2.4	0.0	-6.7	960.6	-14.8
	Thong Pha Phum	26.3	2.4	1.9	-2.8	1496.6	-289.9
	Kanchanaburi	28.0	3.1	0.0	-6.2	966.5	-89.9
	Bangkok Airport	28.4	2.0	3.9	-2.2	1237.9	-137.0
	Bangkok Metropolis	28.6	2.1	42.7	36.4	1910.1	261.9
East	Prachin Buri	28.5	2.3	2.5	-2.5	1642.7	-180.6
	Kabin Buri	27.5	1.9	0.0	-3.9	1399.7	-197.1
	Aranyaprathet	28.4	3.1	0.0	-4.8	982.4	-362.4
	Chon Buri	28.8	2.3	50.9	45.4	1046.0	-249.6
	Ko Sichang	28.1	1.9	5.4	-3.1	828.5	-390.4
	Pattaya	27.9	2.0	21.5	13.2	1051.2	-59.5
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Khlong Yai	27.9	1.1	56.3	35.0	4551.1	-294.7	
South (East Coast)	Phetchaburi	27.7	2.3	5.4	-6.2	794.0	-193.3
	Hua Hin	27.9	2.1	20.1	12.2	641.0	-314.1
	Prachuap Khiri Khan	26.9	1.4	46.6	31.6	1028.3	-63.5
	Chumphon	26.7	1.4	283.8	160.5	2172.0	299.3
	Surat Thani	26.8	1.3	72.0	-57.4	1497.5	-124.5
	Ko Samui	27.7	1.1	217.0	6.7	1437.4	-522.7
	Nakhon Si Thammarat	26.6	0.9	399.7	-52.0	2097.5	-399.0
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	Pattani Airport	27.3	1.4	79.3	-299.0	1287.9	-577.2
Narathiwat	27.2	1.3	315.7	-249.9	2069.7	-391.0	
South (West Coast)	Ranong	27.3	1.0	25.2	-20.3	3596.2	-472.2
	Takua Pa	27.5	1.1	121.3	59.6	3394.3	-263.3
	Phuket	29.2	1.6	51.4	-21.0	2488.7	269.2
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	Ko Lanta	28.0	1.1	59.2	3.6	2193.0	16.4
	Trang Airport	27.6	1.4	10.2	-115.2	2083.8	-64.7
	Satun	28.3	1.3	56.6	-40.3	2773.7	483.8
	Over the area	26.3	2.1	45.6	-2.6	1419.7	-168.0
					-5%		-11%

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