

Monthly Weather Summary in Thailand December 2018

Mean temperature in December was 26.4 °C, 2.2 °C above the normal and a mean total rainfall recorded in the month was 31.0 mm (64%) above the normal. Affected by a pattern of high pressure area from China which extending to cover upper Thailand mainly propagated eastward to the South China Sea almost the month and it was occasionally strengthen mainly during the second half of the month. These caused cool weather in northern and northeastern parts throughout the month with cold weather in some areas mainly during the second half of the month and cool weather presented in some areas during the first half of the month then cool weather in several areas for the rest of the parts. For rainfall, under the combined effect of southeasterly wind over northern part during early month and passage of westerly trough through the northern part during early and last month causing unusual rainfall in upper Thailand mainly during early and late month. In southern part, under the influence of the moderate to rather active northeast monsoon which prevailed over the Gulf of Thailand and southern part resulted in plentiful of rain especially during early month and mid-month that scattered to fairly widespread rain and flash flood occurred in some place during the mentioned period. Monthly rainfall was above normal in all parts i.e., northern part 5.9 mm (72%), northeastern part 5.5 mm (157%), central part 40.0 mm (769%), eastern part 11.9 mm (147%), southern part (east coast) 116.4 mm (49%) and southern part (west coast) 42.9 mm (57%).

1 – 10 December: The high pressure area covered the upper Thailand and the South China Sea throughout the period and the another ridge of rather active high pressure area extended to cover the northeastern part and the South China Sea during the second half of the period. Moreover, the southeasterly wind prevailed over northern part during the first half of the period coupled with the westerly trough moved through the mentioned areas on December 7-9. These conditions caused cool weather nearly the whole areas in the northern and northeastern parts with cold weather in some areas of the northern part for few days while the central and eastern parts experienced cool weather in some areas in upper portion. The lowest minimum temperature was 14.7 °C at Amphoe Thung Chang in Nan province on December 9. In the mountainous areas and mountaintops, the weather was cold to very cold and temperature climbed down to 6.0 °C at Doi Intanon in Chiang Mai province on December 1. For rainfall, scanty rainfall was found in upper Thailand with isolated heavy to very heavy rainfall except for scattered to fairly widespread rain and heavy rainfall in some areas on December 7-8. The maximum daily rainfall in upper Thailand was 105.2 mm at Pakchong Agrometeorological Station in Nakhon Ratchasima on December 2. In southern part, under the influence of the northeast monsoon which prevailed over the southern part and the Gulf of Thailand strengthened during the second half of the period brought scattered to fairly widespread rain with heavy to very heavy rainfall in some areas mainly along east coast and flash flood were reported at Nakhon Si Thammarat province on December 9. The highest daily rainfall was 200.0 mm at Amphoe Pak Phanang in Nakhon Si Thammarat on December 8.

11 – 20 December: Under the ridge of active high pressure areas covered upper Thailand during early period and mid-period and later weakened associated with the upper-level westerly wind blew into the northern part on the last day of the period. Moreover, the moderate to rather active northeast monsoon which prevailed over The Gulf of Thailand and southern Thailand and strengthen on December 15-16. These caused temperature was lower than the last period almost the whole Thailand with generally cool weather in northern and northeastern parts nearly the whole period and cold weather in the upper portion during mid-period and late period while cool weather was present several areas of central and eastern parts mainly in the upper portion. The lowest minimum temperature was 13.0 °C at Agrometeorological Station in Nakhon Phanom on December 18 and 5.9 °C over the area of mountaintop at Doi Inthanon in Chiang Mai province on December 15. For rainfall, isolated light to moderate rain was observed in upper Thailand mainly during early and late period. The maximum daily rainfall of 32.0 mm at Amphoe Ban Khai in Rayong province on December 11. In southern part, fairly widespread rain with heavy to very heavy rainfall in some areas especially heavy to very heavy rainfall in several areas on December 15-16. The maximum daily rainfall was 290.0 mm at Amphoe Chian Yai in Nakhon Si Thammarat province on December 15.

21 – 31 December: Under the influence of high pressure area covering upper Thailand and the another ridge of active high pressure area from China extending to cover the mentioned areas during the second half of the period. These caused temperature obviously decreased and it was the period of lowest temperature of the month with cool and cold weather in northern and northeastern parts especially generally cold weather in upper portion of northern part during mid-period while other parts experienced cool weather in several areas. The lowest minimum temperature was 11.3 °C at Amphoe Umphang in Tak province on December 26 and 1.6 °C over the area of mountaintop at Kew Mare Pan, Chom Thong in Chiang Mai province on December 28. Frost occurred at Kew Mae Pan, Chom Thong in Chiang Mai province on December 23-28. For rainfall, with the passage of the westerly trough over northern part coupled with the weak northeast monsoon over the Gulf of Thailand and southern part. These conditions caused scattered to fairly widespread rain over upper Thailand with heavy to very heavy rainfall in some areas during late period and the maximum daily rainfall of 93.2 mm at Bangkok Airport, Don Mueang in Bangkok on December 29 while southern part obtained decreasing in rainfall from last period and isolated to scattered rain nearly the whole period with heavy to very heavy rainfall in some areas. The maximum daily rainfall was 118.0 mm Agrometeorological Station in Yala province on December 22.

Note : Rainfall, temperatures and natural disasters in this report were updated up to January 8, 2019.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
December 2018

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	22.5	3.1	45.2	31.2	1919.4	228.9
Mae Hong Son	23.0	2.1	33.9	23.5	1193.3	-99.1
Phayao	22.5	2.5	25.0	14.1	1485.8	348.8
Chiang Mai	24.4	3.0	24.7	8.8	984.2	-146.4
Tha Wang Pha	23.1	2.6	2.3	-8.7	1839.7	431.6
Nan	24.2	3.2	5.1	-3.5	1117.0	-117.1
Lamphun	24.1	2.8	16.8	9.4	1125.7	121.9
Lampang	24.4	2.8	17.6	10.6	1186.5	141.0
Mae Sariang	23.8	2.9	4.7	-2.9	1513.8	378.0
Phrae	24.9	3.1	3.4	-4.4	1052.0	-62.8
Uttaradit	26.3	2.6	7.7	2.7	1384.1	12.5
Bhumibol Dam	24.8	2.1	19.2	12.0	1060.7	17.3
Tak	25.8	2.8	11.8	6.7	930.7	-130.4
Mae Sot	25.3	3.3	6.3	0.4	1807.5	339.9
Umphang	22.7	2.9	1.8	-3.3	1278.9	-182.4
Phitsanulok	26.7	2.4	11.9	0.8	1189.1	-127.9
Lom Sak	26.5	2.7	30.9	26.4	911.2	-131.9
Phetchabun	26.9	3.4	2.9	-4.9	1032.8	-100.6
Wichian Buri	27.1	2.3	6.7	2.4	1336.3	115.7
Kamphaeng Phet	26.7	2.6	4.0	-2.7	1136.9	-167.7
Over the area	24.8	2.8	14.1	5.9 72%	1274.3	43.4 4%

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	25.4	3.3	43.8	39.5	1787.2	179.0
Loei	24.2	3.1	4.0	-4.7	1186.7	-54.2
Udon Thani	24.9	2.5	35.9	33.0	1440.8	22.4
Nakhon Phanom	25.0	3.0	0.7	-4.1	2792.1	445.3
Sakon Nakhon	24.7	2.8	0.6	-5.0	1575.6	-69.4
Mukdahan	25.1	2.9	21.2	18.6	1953.2	473.2
Khon Kaen	25.8	2.8	4.2	0.1	1298.2	51.4
Kosum Phisai	26.1	2.6	0.0	-3.1	1233.5	-30.2
Roi Et	26.2	3.3	2.8	0.7	1226.7	-115.3
Chaiyaphum	26.7	2.9	12.8	8.7	915.1	-222.1
Ubon Ratchathani	26.8	3.1	0.9	-0.1	1735.0	153.3
Tha Tum	26.8	3.1	0.0	-1.0	1094.4	-293.5
Surin	26.7	3.1	4.3	2.4	1139.8	-292.4
Nakhon Ratchasima	26.7	3.1	4.1	1.4	1021.7	-49.8
Chok Chai	26.4	2.8	7.9	4.7	924.8	-150.0
Nang Rong	26.3	2.7	0.8	-2.6	773.5	-420.4
Over the area	25.9	3.0	9.0	5.5 157%	1381.1	-23.4 -2%

- 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.

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Rainfall and Accumulative Rainfal
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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	27.4	2.8	16.2	11.6	911.2	-238.5
Bua Chum	26.7	2.4	3.7	1.2	1644.6	559.3
Lop Buri	28.1	2.3	64.3	59.8	1283.0	157.9
Suphan Buri	27.7	2.7	18.1	11.4	901.9	-73.5
Thong Pha Phum	26.2	2.3	28.4	23.7	1925.7	139.2
Kanchanaburi	27.8	2.9	31.7	25.5	769.2	-287.2
Bangkok Airport	28.5	2.1	131.9	125.8	1747.9	373.0
Bangkok Metropolis	28.8	2.3	67.2	60.9	1859.9	211.7
Over the area	27.7	2.5	45.2	40.0 769%	1380.4	105.2 8%

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	28.8	2.6	13.5	8.5	1979.9	156.6
Kabin Buri	27.4	1.8	5.4	1.5	2268.4	671.6
Aranyaprathet	28.4	3.1	42.4	37.6	1452.1	107.3
Chon Buri	29.1	2.6	11.1	5.6	1335.0	39.4
Ko Sichang	28.3	2.1	17.9	9.4	1158.1	-60.8
Pattaya	28.1	2.2	13.1	4.8	1163.3	52.6
Sattahip	27.6	1.6	24.1	13.6	1611.9	345.3
Rayong	27.9	1.9	2.6	-3.3	1008.1	-375.1
Chanthaburi	28.5	2.5	16.9	10.1	2402.2	-592.0
Khlong Ya	28.1	1.3	53.4	32.1	4885.0	39.2
Over the area	28.2	2.1	20.0	11.9 147%	1926.4	38.2 2%

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Monthly Current Report
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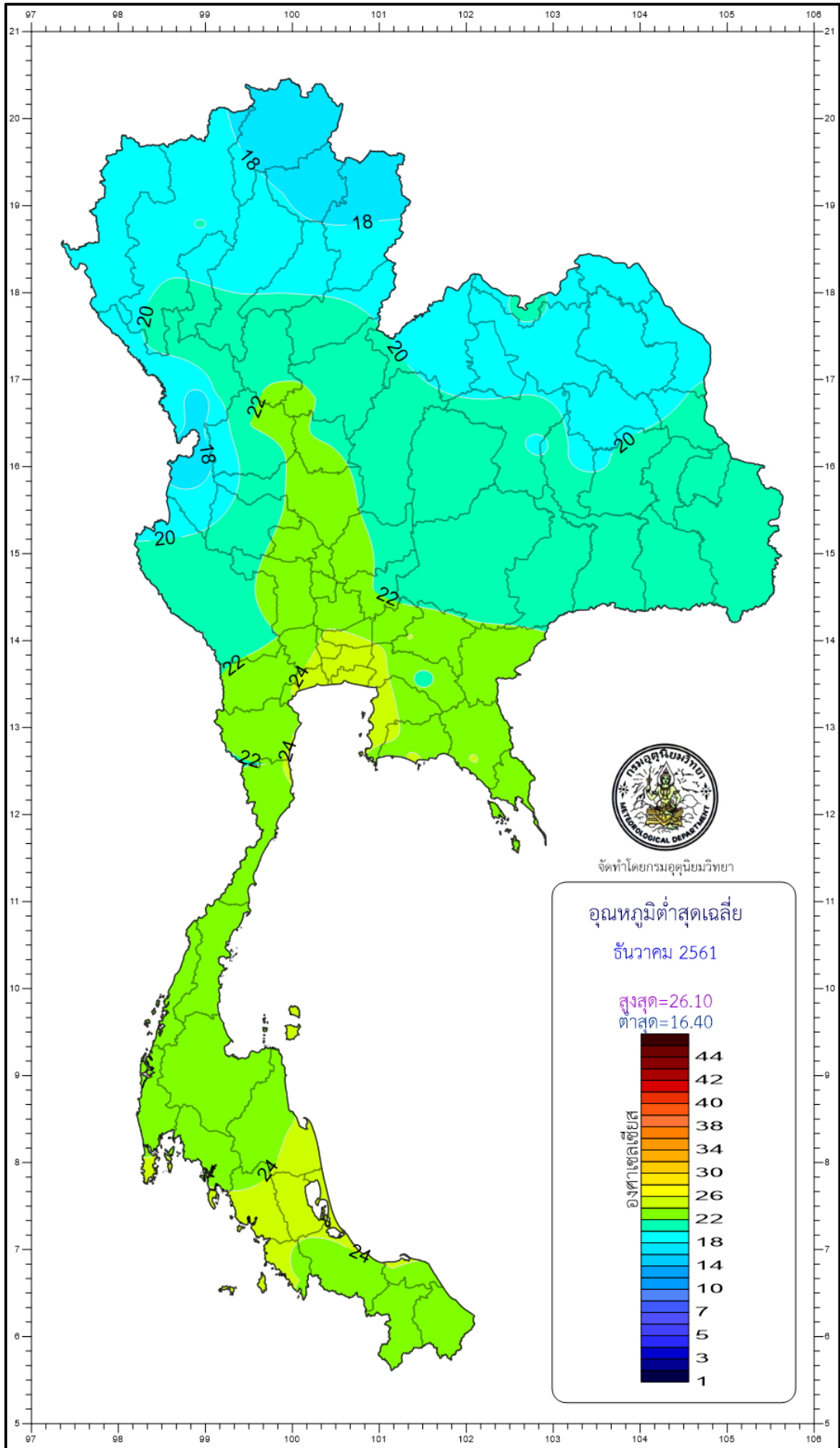
Southern Thailand, east coast

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	27.6	2.2	28.2	16.6	1047.5	60.2
Hua Hin	27.8	2.0	112.2	104.3	1387.3	432.2
Prachuap Khiri Khan	26.9	1.4	96.1	81.1	1443.6	351.8
Chumphon	26.8	1.5	214.9	91.6	2095.2	222.5
Surat Thani	26.3	0.8	283.6	154.2	1727.4	105.4
Ko Samui	27.0	0.4	664.6	454.3	2462.8	502.7
Nakhon Si Thammarat	26.7	1.0	704.2	252.5	2778.3	281.8
Songkhla	27.6	0.8	392.8	-51.9	2142.2	75.5
Hat Yai Airport	26.7	1.1	296.2	28.5	1446.8	-279.5
Pattani Airport	26.8	0.9	393.5	15.2	2038.3	173.2
Narathiwat	26.3	0.4	700.1	134.5	2984.3	523.6
Over the area	27.0	1.2	353.3	116.4 49%	1959.4	222.5 13%

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	26.9	0.6	88.1	42.6	4955.3	886.9
Takua Pa	27.1	0.7	135.0	73.3	3854.2	196.6
Phuket	28.6	1.0	56.0	-16.4	2171.3	-48.2
Phuket Airport	27.6	0.9	100.9	33.5	2625.3	150.3
Ko Lanta	27.5	0.6	117.2	61.6	1946.1	-230.5
Trang Airport	27.3	1.1	154.2	28.8	2207.8	59.3
Satun	27.5	0.5	174.0	77.1	2286.5	-3.4
Over the area	27.5	0.8	117.9	42.9 57%	2863.8	144.5 5%

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จัดทำโดยกรมอุตุนิยมวิทยา

อุณหภูมิต่ำสุดเฉลี่ย
 ธันวาคม 2561

สูงสุด=26.10
 ต่ำสุด=16.40

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