

Monthly Weather Summary in Thailand

March 2012

The weather of Thailand during this month was dominated by the moderate high pressure area from China which occasionally extended its ridge to cover upper Thailand and the South China Sea mainly during middle and late month. In addition southeasterly wind prevailed over upper Thailand almost the month. These caused the weather in northern and northeastern parts still cool in the morning, especially in upper northern part where cold weather persisted in some area. However, hot weather occurred in upper Thailand during daytime while high pressure area was weakening and heat low pressure cell was covering upper Thailand. Very hot weather was observed in Tak province on March 29 and 30 and Lampang province on March 30. Upper Thailand occasionally had isolated rain and heavy rainfall with thunderstorm, gust and hail in some areas. In southern part, easterly wave and easterly wind brought abundant rainfall almost the month with heavy to very heavy rainfalls in many areas. Monthly rainfall was above normal at northern part, 3.2 mm (13%) at northeastern part, 0.1 mm (~0%) at southern part (east coast), 28 mm (56%) and southern part (west coast), 132.3 mm (188%) while it was below normal at central, 0.7 mm (2%) and eastern part, 4.3 mm (8%). Mean temperatures of March were slightly below normal in northeastern and southern parts (west coast) while mean temperatures were slightly above normal in the rest areas.

1 - 8 March: Under the influence of the weak high pressure and southeasterly wind that prevailing over upper Thailand, the weather in the morning in northern and upper northeastern parts was cool with cold weather in some areas of upper northern part. The lowest minimum temperature of the period was 10.5 °C at Amphoe Mae Sariang in Mae Hong Son province on March 3. With the heat low pressure cell, daytime temperature relatively increased with hot weather in nearly whole areas of upper Thailand with the highest maximum temperature of 39.1 °C at Bhumibol Dam in Tak province on March 8. However, isolated rainfall was found in upper Thailand with 94.0 mm maximum daily rainfall at Amphoe Bueng Khong Long in Nong Khai province on March 3. Thunderstorms and gust were reported in Phitsanulok and Nong Khai provinces on March 3 and Buri Ram province on March 5, thunderstorm with hail at Bueng Kan province on March 3. The easterly wave moved to southern part during early and middle period causing abundant rainfall almost the period. The highest daily rainfall of 148.5 mm was measured at Amphoe Muang in Pattani province on March 8. Flash flood occurred in Songkhla province on March 7.

9 - 20 March: Heat low pressure cell covered upper Thailand during late period associated with the southeasterly wind prevailed over upper Thailand almost the period. These conditions were causing widespread to scattered rain with heavy to very heavy rainfall in some areas. The maximum daily rainfall in upper Thailand was 105.0 mm at Amphoe Kaset Sombun in Chaiyaphum province on March 10. With the moderate high pressure area persisting over upper Thailand during the first half of the period, northern and northeastern part remained cool weather and the temperature in northeastern part decreased sharply about 3-6 °C during 11-14 March. The lowest temperature of 13.5 °C was measured at Amphoe Umphang in Tak province on March 19. The weather turned hot in daytime mainly in the second half of the period with maximum temperature of 39.5 °C at Amphoe Muang in Mae Hong Son province on March 16. Thunderstorms and gusts were reported in Chiang Rai, Sukhothai, Phare, Chiang Mai and Lampang provinces on March 14 and Uttaradit on March 16. In southern Thailand, the easterly wave and southeasterly wind brought scattered rain during early and late period with heavy to very heavy rainfall in some areas. The maximum daily rainfall was 105.0 mm at Amphoe Khiri Rat Nikhom in Surat Thani provinces on March 19.

21-31 March: Heat low pressure cell covered upper Thailand during early period and the moderate high pressure area from China extended to cover the mentioned areas and the South China Sea resulted in hot weather mainly in early and late period with maximum temperature of 41.2 °C at Amphoe Muang in Tak province on March 30. Isolated rain mainly in mid period and scattered rain with heavy rainfall in some areas of northern, central and eastern parts due to the westerly through moved to cover the northern part on the last day of March. The maximum daily rainfall was 77.6 mm at Amphoe Muang in Nan province on March 31. Thunderstorms and gusts occurred in Phare, Nan, Phayao, Phichit, Nakhon Pathom, Samut Songkhram, Samut Prakarn, Pathum Thani, Rayong and Chanthaburi on March 31. In southern part, isolated rain during the first half of the period and then scattered to fairly widespread rain with heavy rainfall in some areas due to the influence of the easterly wave covered the southern part during 24-26 March. The highest maximum daily rainfall was 87.7 mm at Amphoe Muang in Narathiwat province on March 26. Thunderstorm and gust occurred in Prachuap Khiri Khan on March 30.

Note : Rainfall, temperatures and natural disasters available in this report are preliminary data.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
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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	24.6	0.2	37.5	16.6	91.6	47.3
Mae Hong Son	26.1	-0.2	3.9	-12.7	12.6	-16.5
Phayao	26.4	-0.8	44.5	21.9	46.4	7.5
Chiang Mai	27.5	0.8	8.3	-9.0	19.3	-14.9
Tha Wang Pha	26.0	0.0	31.3	-4.3	48.4	-8.4
Nan	27.2	0.9	84.4	52.8	91.3	39.3
Lamphun	27.4	-0.5	8.4	-4.7	10.2	-11.2
Lampang	27.5	0.1	39.5	19.0	65.2	31.5
Mae Sariang	26.4	0.0	0.0	-11.3	2.1	-23.2
Phrae	27.5	-0.1	46.3	21.7	57.5	16.9
Uttaradit	28.5	-0.1	31.2	5.8	33.6	-14.1
Bhumibol Dam	29.9	-0.1	6.9	-11.2	14.1	-15.8
Tak	30.5	0.4	24.1	10.7	28.5	2.5
Mae Sot	27.9	0.8	11.2	2.5	12.0	-7.0
Umphang	24.9	0.7	53.6	21.2	87.8	34.1
Phitsanulok	29.3	0.2	12.0	-18.5	17.1	-31.4
Lom Sak	28.5	0.6	28.5	-14.5	43.8	-27.0
Phetchabun	28.7	0.1	49.5	11.1	113.1	50.1
Wichian Buri	29.5	-0.1	9.7	-28.2	115.6	56.9
Kamphaeng Phet	29.0	0.1	25.9	-4.5	68.0	22.3
Over the area	27.7	0.2	27.8	3.2	48.9	7.0
				13%		17%

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	27.3	-0.1	133.5	103.2	180.8	129.1
Loei	27.3	0.5	23.6	-18.3	44.2	-20.4
Udon Thani	28.0	0.0	20.2	-27.3	29.1	-44.6
Nakhon Phanom	27.2	0.3	43.2	-6.2	59.3	-20.9
Sakon Nakhon	27.2	-0.2	58.7	12.8	95.1	19.4
Mukdahan	27.6	-0.4	26.7	-2.9	35.0	-17.9
Khon Kaen	28.3	-0.3	35.5	-2.4	74.2	18.2
Kosum Phisai	28.3	-0.2	2.1	-45.7	76.1	12.2
Roi Et	27.8	-0.3	17.3	-9.5	103.9	51.6
Chaiyaphum	29.0	0.2	29.2	-10.5	40.9	-20.8
Ubon Ratchathani	28.4	-0.3	14.9	-10.0	29.7	-12.9
Tha Tum	28.3	-0.6	60.1	18.8	142.7	83.8
Surin	28.9	0.1	3.4	-22.7	23.9	-18.7
Nakhon Ratchasima	28.9	0.2	81.2	45.1	131.0	70.9
Chok Chai	28.7	0.2	43.3	7.2	150.0	98.7
Nang Rong	28.7	0.1	12.4	-29.2	21.3	-42.5
Over the area	28.1	-0.1	37.8	0.1	77.3	17.8
				0%		30%

- 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
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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	30.5	0.2	19.1	-14.3	42.7	-8.6
Bua Chum	29.4	-0.2	36.0	-3.5	78.7	25.3
Lop Buri	29.9	0.4	18.5	-7.0	51.9	10.1
Suphan Buri	30.0	1.1	0.1	-18.2	3.5	-28.6
Thong Pha Phum	29.0	0.3	45.2	2.6	154.0	90.2
Kanchanaburi	30.8	0.9	66.0	38.5	80.7	36.6
Bangkok Airport						
Bangkok Metropolis	30.5	1.4	24.1	-7.2	133.2	73.2
Over the area	30.0	0.6	29.9	-0.7 -2%	77.8	28.6 58%

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	30.3	0.7	34.2	-15.9	48.0	-26.9
Kabin Buri	29.2	0.1	9.6	-39.1	62.9	-14.4
Aranyaprathet	30.3	1.0	27.1	-25.9	39.6	-43.2
Chon Buri	29.6	0.7	100.7	66.2	154.1	92.0
Ko Sichang	29.5	0.8	24.2	-13.5	88.7	23.3
Pattaya	28.8	0.6	8.3	-36.9	47.7	-23.6
Sattahip	28.6	0.1	11.0	-37.9	121.6	22.1
Rayong	29.2	0.2	60.3	-6.4	223.3	98.3
Chanthaburi	28.8	1.1	91.4	34.7	254.4	148.9
Khlong Yai	28.2	0.1	136.5	32.2	407.0	188.3
Over the area	29.3	0.6	50.3	-4.3 -8%	144.7	46.4 47%

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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	29.3	0.9	39.4	21.4	107.3	76.2
Hua Hin	29.1	0.9	27.1	-0.8	67.2	11.1
Prachuap Khiri Khan	28.7	1.2	77.8	33.9	207.8	104.6
Chumphon	28.3	0.7	20.8	-47.1	408.8	206.6
Surat Thani	27.8	0.2	100.7	62.7	460.6	364.0
Ko Samui	28.6	0.4	40.5	-25.1	410.6	158.2
Nakhon Si Thammarat	27.7	0.4	143.7	84.0	1219.4	952.9
Songkhla	28.2	-0.2	76.2	32.3	491.9	356.4
Hat Yai Airport	27.5	0.0	50.7	-4.7	383.1	260.4
Pattani Airport	27.8	0.7	95.1	55.6	410.7	292.1
Narathiwat	27.5	0.1	190.2	95.8	592.3	367.0
Over the area	28.2	0.5	78.4	28.0 56%	432.7	286.3 196%

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	27.7	-0.4	112.2	62.3	430.9	352.3
Takua Pa	27.2	-0.5	333.8	240.5	624.0	456.8
Phuket	29.0	-0.2	139.4	80.2	264.0	152.8
Phuket Airport	27.9	-0.2	232.2	158.2	541.8	399.3
Ko Lanta	28.0	-0.9	197.6	144.0	343.4	262.7
Trang Airport	27.4	-0.7	184.2	119.3	319.4	194.9
Satun	27.9	-0.5	220.1	121.7	555.1	404.9
Over the area	27.9	-0.5	202.8	132.3 188%	439.8	317.7 260%

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