

Monthly Weather Summary in Thailand February 2013

The weather condition during this month was periodically dominated by the high pressure area from China covering upper Thailand and the South China Sea, the combination of the prevailing of the northeast monsoon across southern part and the Gulf of Thailand and the southeasterly wind blowing over the central and eastern parts. These caused cool and cold weather in the morning especially in the northern and northeastern parts. However, daytime weather began to warm up and the consecutive hot day was occurred particularly during late month that heat low pressure cell covering upper Thailand. Mean temperature of February was 1.3 °C higher than normal. The rainfall was occasionally observed in upper Thailand with thunderstorm in some areas while southern Thailand experienced rainfall mainly during the middle and the end of the month with flooding in some locations during late month. Monthly rainfall was above normal in 3 regions i.e. northern part 0.6 mm (6%), southern part (east coast) 104.0 mm (69.5%) and southern part (west coast) 32.8 mm (119%) while it was below normal in northeastern part 16.7 mm (90%), central 9.1 mm (74%) and eastern part 16.5 mm (56%).

1-10 February: The rather active ridge of high pressure from China extended to cover upper Thailand during the second half of the period, the southeasterly wind prevailing over the central and eastern parts for few days and the passage of westerly trough to the northern part during early period. These caused generally cool weather in the northern and northeastern parts with cold weather in many areas of the northern part. The lowest minimum temperature was 11.4 °C at Umphang, Tak province on February 8 and it dropped to 5.5 °C over the area of mountaintop at Doi Angkhang, Fang in Chiang Mai province on February 7 and 8. There was unusual rainfall in upper Thailand, widely scattered to scattered rain was found in the northern region during early period accompanied by thunderstorm and hail at Chiang Rai, Chiang Mai, Lampang and Lamphun provinces on February 3. Elsewhere, there was isolated to widely scattered rain with heavy rainfall in some areas during late period. The maximum daily rainfall of 39.6 mm was measured at Tak Fa, Nakhon Sawan province on February 9. In southern part, rainfall was mainly observed along the east coast with the highest daily rainfall amount of 24.1 mm at Ka Pho, Pattani province on February 3.

11-20 February: Under the influence of the ridge of high pressure and the easterly wind prevailing over the southern part, cool weather continued in the northern and northeastern part with cold weather in some areas. The lowest temperature of 13.5 °C was measured at Umphang, Tak province on February 16 and 7.0 °C over the area of mountaintop at Phuluang Wildlife Sanctuary, Loei province on February 14. There was isolated rain with heavy rainfall in some areas in upper Thailand during the second half of the period, the maximum daily rainfall, 60.0 mm, was measured at Chum Tha Bong, Nakhon Sawan province on February 18. In southern part, cool weather was found in many places with scattered to fairly widespread rain and heavy to heavy rainfall in some areas during the first half of the period. The highest daily rainfall was 221.2 mm at Ka Pho, Pattani province on February 12.

21-28 February: Although cool weather remained in the morning in the northern and northeastern parts with cold weather in some areas, temperature was relatively increased during daytime especially during the second half of the period when the heat low pressure cell covering upper Thailand and consecutive hot day in upper Thailand was pronounced. The highest maximum temperature of 39.9 °C was measured at the Thoen in Lampang province on February 28. For rainfall, scanty rain was observed in upper Thailand with the

highest daily rainfall of 48.4 mm at Sam Phran, Nakhon Pathom province on February 21. In southern Thailand, rainfall was obviously increased due to the influence of the active northeast monsoon prevailing over southern part and the low pressure cell covering the coastal of Malaysia, much of rain was heavy accompanied with flash flooding at Phattalung and Songkhla on February 24, at Yala on February 25 and at Pattani and Narathiwat provinces on February 26. The maximum daily rainfall was 208.6 mm at Kong Ra, Phatthalung on February 24.

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

Climatological Center
Meteorological Development Bureau
Meteorological Department

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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	24.1	2.5	10.4	-3.4	32.2	10.9
Mae Hong Son	24.9	2.3	0.4	-5.6	39.5	27.1
Phayao	24.9	2.1	3.9	-5.3	50.2	35.3
Chiang Mai	26.9	3.0	31.6	22.7	56.6	43.5
Tha Wang Pha	24.8	2.3	11.5	2.5	60.5	44.5
Nan	25.8	2.2	5.6	-6.3	44.1	27.8
Lamphun	26.4	2.1	3.9	-1.0	9.2	1.5
Lampang	26.5	1.8	8.6	-0.2	37.5	25.9
Mae Sariang	25.3	3.1	2.0	-4.5	4.4	-3.6
Phrae	26.1	1.5	49.9	41.1	111.9	97.3
Uttaradit	28.0	1.9	0.1	-14.4	8.0	-12.0
Bhumibol Dam	27.3	0.6	0.0	-6.9	16.9	7.4
Tak	28.1	0.8	27.8	19.1	65.5	54.7
Mae Sot	27.2	2.7	4.6	-3.6	5.2	-4.7
Umphang	24.1	2.5	58.7	49.6	86.2	70.3
Phitsanulok	28.0	1.0	0.0	-13.5	27.7	10.3
Lom Sak	27.8	1.9	0.0	-17.1	27.7	5.8
Phetchabun	28.2	1.7	0.0	-16.1	31.5	9.8
Wichian Buri	28.5	1.0	0.1	-12.5	129.0	108.7
Kamphaeng Phet	28.2	1.4	1.6	-11.5	8.0	-7.4
Over the area	26.6	2.0	11.0	0.6 6%	42.6	27.6 184%

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	26.9	2.0	2.3	-15.0	30.9	5.3
Loei	26.4	2.2	0.0	-16.1	11.0	-11.3
Udon Thani	27.2	1.9	0.0	-22.0	2.6	-25.7
Nakhon Phanom	26.6	2.2	0.0	-31.0	0.5	-33.5
Sakon Nakhon	26.4	2.0	0.6	-28.7	1.1	-32.9
Mukdahan	27.1	2.2	0.0	-17.4	3.9	-17.2
Khon Kaen	27.6	1.7	0.0	-21.4	7.4	-18.0
Kosum Phisai	27.7	1.9	0.0	-15.0	4.1	-14.4
Roi Et	27.4	1.7	0.0	-19.2	17.5	-5.3
Chaiyaphum	28.0	1.3	1.6	-12.7	48.5	29.7
Ubon Ratchathani	28.1	1.6	0.0	-15.4	0.7	-16.7
Tha Tum	28.1	1.9	0.0	-16.1	0.0	-21.2
Surin	28.1	1.5	13.4	1.9	16.9	-0.2
Nakhon Ratchasima	28.2	1.3	0.0	-16.1	4.1	-20.2
Chok Chai	28.1	1.6	7.5	-7.3	16.8	-2.0
Nang Rong	27.3	0.9	3.2	-16.4	3.2	-21.1
Over the area	27.5	1.8	1.8	-16.7 -90%	10.6	-12.7 -55%

- 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
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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	28.8	0.7	0.2	-11.7	7.8	-8.4
Bua Chum	28.5	1.1	0.0	-9.1	40.7	24.9
Lop Buri	29.2	1.1	8.8	1.9	18.6	6.0
Suphan Buri	28.8	1.4	0.0	-6.9	0.0	-10.6
Thong Pha Phum	28.4	1.6	2.8	-13.6	13.8	-8.0
Kanchanaburi	29.3	1.3	0.0	-18.2	2.0	-19.5
Bangkok Airport	29.9	1.6	6.7	-2.3	78.5	58.1
Bangkok Metropolis	29.7	1.4	7.4	-12.6	48.6	15.3
Over the area	29.1	1.3	3.2	-9.1 -74%	26.3	7.3 38%

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	29.5	1.3	5.2	-10.6	6.1	-17.4
Kabin Buri	28.5	0.7	5.3	-19.6	5.3	-28.6
Aranyaprathet	29.4	1.2	18.8	-8.8	18.9	-14.1
Chon Buri	29.2	1.2	14.8	-2.2	53.0	26.1
Ko Sichang	28.2	0.6	3.7	-12.0	143.3	116.7
Pattaya	28.0	0.7	6.0	-8.3	30.4	0.5
Sattahip	27.7	0.2	25.7	6.3	193.6	148.6
Rayong	28.1	0.2	5.0	-31.5	121.4	64.2
Chanthaburi	28.3	1.0	43.7	7.3	110.5	55.4
Khlong Yai	28.1	0.9	0.9	-85.1	148.0	24.8
Over the area	28.5	0.8	12.9	-16.5 -56%	83.1	37.6 83%

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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	28.5	1.3	1.3	-2.6	8.1	-7.2
Hua Hin	28.2	1.0	0.0	-15.3	51.4	24.3
Prachuap Khiri Khar	27.4	0.8	21.7	-0.1	125.8	79.6
Chumphon	27.4	0.7	61.4	16.7	179.7	75.6
Surat Thani	27.0	0.6	36.1	23.8	83.3	34.2
Ko Samui	27.8	0.4	62.3	7.9	124.5	-16.1
Nakhon Si Thammarat	26.6	0.1	160.8	92.6	245.5	31.9
Songkhla	27.6	0.1	125.1	76.5	193.5	70.1
Hat Yai Airport	26.8	0.1	191.8	167.4	230.8	152.6
Pattani Airport	26.7	0.2	171.5	139.5	231.8	148.9
Narathiwat	26.4	-0.2	311.9	258.2	491.0	335.7
Over the area	27.3	0.5	104.0	69.5 201%	178.7	84.5 90%

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	0.2	16.4	0.4	22.6	-3.4
Takua Pa	27.3	0.3	71.3	30.2	212.4	131.9
Phuket	29.1	0.4	49.1	25.2	107.9	53.7
Phuket Airport	28.1	0.4	8.8	-18.4	48.9	-14.5
Ko Lanta	28.2	0.0	71.3	53.3	85.5	52.6
Trang Airport	27.7	0.2	120.3	99.5	157.1	103.8
Satun	28.2	0.1	84.8	39.0	110.4	43.4
Over the area	28.0	0.2	60.3	32.8 119%	106.4	52.5 97%

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