

Monthly Weather Summary in Thailand January 2014

High pressure area from China occasionally extended its ridge to cover upper Thailand almost the month. Moreover during January 15-26, an intense surge of high pressure coupled with active northeast monsoon brought generally cold weather in upper Thailand and over some places in upper southern part with very cold weather in some areas over northern and northeastern parts. Breaking records of minimum temperature occurred in several areas. Mountainous areas and mountaintop experienced cold and very cold weather throughout the month and frosts were reported in some areas. Mean temperatures for January were below normal almost the whole country. There was no rain in upper Thailand while southern Thailand experienced rainfall mainly during the first half of the month.

Monthly rainfall was below normal all parts i.e. northern part 4.6 mm (100%), northeastern part 4.8 mm (100%), central part 6.7 mm (100%), eastern part 16.1 mm (100%), southern part (east coast) 21.3 mm (36%) and southern part (west coast) 0.2 mm (1%).

1-10 January: Active high pressure area covered upper Thailand during early period. These caused cold weather in northern and northeastern in generally cool weather with cold in several areas parts, mainly during the first half of the period. In central, eastern and upper southern parts experienced. The minimum temperature of the period was 9.3 °C, at Sakhon Nakon Agromet Stn. in Sakon Nakhon province on January 1. In the Mountainous areas and mountain tops, temperature climbed down to 3.3 °C at Doi Ang Khang in Chiang Mai province on January 8. For rainfall, no rain was reported in upper Thailand while southern part turned isolated to widely scattered rain from Chumphon province southward and heavy rainfall in some areas. The heaviest daily rainfall of 80.0 mm was measured at Phuket Airport in Phuket province on January 6.

11-20 January: Another active high pressure area from China extended its ridge to cover upper Thailand during mid-period. In addition active northeast monsoon prevailed over southern part and the Gulf of Thailand throughout the period. These conditions caused decreasing in temperature over Thailand during the second half of the period. Cold weather occurred almost the whole areas in upper Thailand and in some areas of upper southern part, with very cold in some places in northern and northeastern parts. The minimum temperature of the period was 6.8 °C at Amphoe Umphang in Tak province on January 17. It dropped to 1.2 °C in the area of mountain top at Phu Kradung National Park in Loei province on January 16 and frost occurred at Doi Intanon, Chiang Mai province on the same day. For rainfall, no rain was reported in upper Thailand while southern part turned isolated to widely scattered rain from Surat Thani province southward with heavy to very heavy rainfall in some areas. The heaviest daily rainfall of 121.3 mm was measured at Amphoe Muang in Nakhon Si Thammarat province on January 13.

21-31 January: Active high pressure area continued to cover Thailand and weakened during the second half of the period. In addition northeast monsoon prevailed over the southern part and the Gulf of Thailand throughout the period. These conditions caused very cold weather in some places in northern and northeastern parts and cold weather persisted in central, eastern and upper southern parts during the first of the period. The lowest temperature 4.7 °C was measured at Amphoe Umphang in Tak province on January 24 and 1.1 °C at Doi Angkhang in Chiang Mai province on January 23. Frost occurred at Doi Inthanon in Chiang Mai province on January 22, 23 and at Phu Hin Rong Kla National Park in Phitsanulok province and Phu Rua in Loei province on January 23. For rainfall, no rainfall was reported in upper Thailand while southern part obtained isolated light rain for few days.

The heaviest daily rainfall of 10.0 mm was measured at Amphoe Pa Bon in Phatthalung province on January 21.

Breaking records of daily minimum temperature in January

Station	New Record 2014		Previous Record		Start since
	Temperature (C)	Date	Temperature (C)	Date / Year	
Chiang Rai (Agromet Stn)	5.0	23	5.6	1 / 1996	1979
Nan (Thung Chang)	5.5	23	7.0	16 / 2009	1997
Lampang (Thoen)	7.8	24	8.2	16 / 2009	2004
Sukhothai	9.6	24	11.4	14,15 / 2552	2000
Tak (Doi Muser)	3.8	24	5.5	2 /1996	1992
Buri Ram	9.0	23	10.0	2 /2005	2003
Nakhon Sawan (Takfa)	9.7	25	10.1	1 / 1976	1969
Ayuthaya	10.0	24	12.0	6 / 1995	1992
Ratcha Buri	12.0	24	12.6	2 / 1996	1992
Pathum Thani	13.8	23	14.5	12 / 2009	1999
Chachoengsao	10.3	24	11.3	12 / 2009	1989
Phetchaburi	12.8	24	14.0	10 / 1984	1981
Hat Yai (Songkhla)	17.6	31	17.7	20 / 1976	1973

Note : Rainfall, temperatures and natural disasters in this report were updated up to February 14, 2014.

Climatological Center
 Meteorological Development Bureau
 Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
January 2014

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	19.3	-0.4	0.0	-7.5	0.0	-7.5
Mae Hong Son	19.7	-0.9	0.0	-6.4	0.0	-6.4
Phayao	19.2	-1.4	0.0	-5.7	0.0	-5.7
Chiang Mai	21.3	-0.2	0.0	-4.2	0.0	-4.2
Tha Wang Pha	19.3	-1.3	0.0	-7.0	0.0	-7.0
Nan	20.2	-1.2	0.0	-4.4	0.0	-4.4
Lamphun	20.4	-1.3	0.0	-2.8	0.0	-2.8
Lampang	20.7	-1.5	0.0	-2.8	0.0	-2.8
Mae Sariang	19.7	-0.7	0.0	-1.5	0.0	-1.5
Phrae	20.5	-1.8	0.0	-5.8	0.0	-5.8
Uttaradit	22.4	-1.7	0.0	-5.5	0.0	-5.5
Bhumibol Dam	21.4	-2.3	0.0	-2.6	0.0	-2.6
Tak	21.9	-2.2	0.0	-2.1	0.0	-2.1
Mae Sot	21.5	-0.9	0.0	-1.7	0.0	-1.7
Umphang	18.8	-1.4	0.0	-6.8	0.0	-6.8
Phitsanulok	22.4	-2.4	0.0	-3.9	0.0	-3.9
Lom Sak	22.2	-2.1	0.0	-4.8	0.0	-4.8
Phetchabun	22.4	-1.7	0.0	-5.6	0.0	-5.6
Wichian Buri	22.6	-2.7	0.0	-7.7	0.0	-7.7
Kamphaeng Phet	22.5	-2.3	0.0	-2.3	0.0	-2.3
Over the area	20.9	-1.5	0.0	-4.6	0.0	-4.6
				-100%		-100%

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	21.0	-1.5	0.0	-8.3	0.0	-8.3
Loei	19.7	-2.0	0.0	-6.2	0.0	-6.2
Udon Thani	20.5	-2.3	0.0	-6.3	0.0	-6.3
Nakhon Phanom	20.9	-1.3	0.0	-3.0	0.0	-3.0
Sakon Nakhon	20.3	-1.8	0.0	-4.7	0.0	-4.7
Mukdahan	20.9	-1.7	0.0	-3.7	0.0	-3.7
Khon Kaen	21.7	-1.7	0.0	-4.0	0.0	-4.0
Kosum Phisai	21.5	-2.2	0.0	-3.5	0.0	-3.5
Roi Et	21.8	-1.5	0.0	-3.6	0.0	-3.6
Chaiyaphum	22.0	-2.2	0.0	-4.5	0.0	-4.5
Ubon Ratchathani	22.0	-2.2	0.0	-2.0	0.0	-2.0
Tha Tum	21.6	-2.4	0.0	-5.1	0.0	-5.1
Surin	22.1	-2.0	0.0	-5.6	0.0	-5.6
Nakhon Ratchasima	22.0	-2.3	0.0	-8.2	0.0	-8.2
Chok Chai	21.9	-2.5	0.0	-4.0	0.0	-4.0
Nang Rong	21.2	-3.1	0.0	-4.7	0.0	-4.7
Over the area	21.3	-2.1	0.0	-4.8	0.0	-4.8
				-100%		-100%

- 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
January 2014

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	23.1	-2.4	0.0	-4.3	0.0	-4.3
Bua Chum	22.2	-2.8	0.0	-6.7	0.0	-6.7
Lop Buri	24.2	-2.2	0.0	-5.7	0.0	-5.7
Suphan Buri	23.3	-2.4	0.0	-3.7	0.0	-3.7
Thong Pha Phum	22.1	-2.7	0.0	-5.4	0.0	-5.4
Kanchanaburi	23.6	-2.4	0.0	-3.3	0.0	-3.3
Bangkok Airport	24.8	-2.2	0.0	-11.4	0.0	-11.4
Bangkok Metropolis	25.7	-1.3	0.0	-13.3	0.0	-13.3
Over the area	23.6	-2.3	0.0	-6.7	0.0	-6.7
				-100%		-100%

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	24.9	-1.9	0.0	-7.7	0.0	-7.7
Kabin Buri	23.5	-2.8	0.0	-9.0	0.0	-9.0
Aranyaprathet	24.2	-1.9	0.0	-5.4	0.0	-5.4
Chon Buri	25.3	-1.6	0.0	-9.9	0.0	-9.9
Ko Sichang	24.5	-2.0	0.0	-10.9	0.0	-10.9
Pattaya	24.7	-1.6	0.0	-15.6	0.0	-15.6
Sattahip	23.8	-2.4	0.0	-25.6	0.0	-25.6
Rayong	24.0	-2.2	0.0	-20.7	0.0	-20.7
Chanthaburi	25.0	-1.4	0.0	-18.7	0.0	-18.7
Khlong Yai	25.6	-0.9	0.0	-37.2	0.0	-37.2
Over the area	24.6	-1.8	0.0	-16.1	0.0	-16.1
				-100%		-100%

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Monthly Current Report
Rainfall and Accumulative Rainfall
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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	24.0	-1.8	0.0	-11.4	0.0	-11.4
Hua Hin	24.4	-1.6	0.0	-11.8	0.0	-11.8
Prachuap Khiri Khan	24.2	-1.2	0.0	-24.4	0.0	-24.4
Chumphon	24.7	-1.0	3.9	-55.5	3.9	-55.5
Surat Thani	25.0	-0.6	28.6	-8.2	28.6	-8.2
Ko Samui	26.5	-0.3	15.1	-71.1	15.1	-71.1
Nakhon Si Thammarat	25.5	-0.5	267.5	122.1	267.5	122.1
Songkhla	26.8	-0.3	9.7	-65.1	9.7	-65.1
Hat Yai Airport	25.6	-0.4	7.4	-46.4	7.4	-46.4
Pattani Airport	25.6	-0.4	16.4	-34.5	16.4	-34.5
Narathiwat	25.6	-0.5	73.8	-27.8	73.8	-27.8
Over the area	25.3	-0.7	38.4	-21.3 -36%	38.4	-21.3 -36%

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	26.3	-0.4	0.0	-10.0	0.0	-10.0
Takua Pa	27.2	0.8	6.7	-32.7	6.7	-32.7
Phuket	28.0	-0.1	16.0	-14.3	16.0	-14.3
Phuket Airport	27.3	0.3	88.4	52.2	88.4	52.2
Ko Lanta	27.3	-0.3	0.6	-14.3	0.6	-14.3
Trang Airport	26.5	-0.3	25.8	-6.7	25.8	-6.7
Satun	27.2	-0.3	46.0	24.8	46.0	24.8
Over the area	27.1	-0.1	26.2	-0.2 -1%	26.2	-0.2 -1%

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