



## Three-Month Climate Characteristic Expectations of Thailand

During February - April 2014

Issued on 23<sup>th</sup> January 2014

### General Climate Characteristics

#### Upper Thailand (Northern, Northeastern, Central and Eastern parts of Thailand):

**February:** Weather will be rather variable as cool or cold air in the morning, mostly at Northern and Northeastern parts. Additionally, thunderstorms happen on some days.

**March:** High pressure air masses from China prevailing to cover the upper Thailand from time to time will be mostly weak, and some southerly or southeasterly winds cover upper Thailand occasionally. Thus, the upper Thailand will be warm with thick fog in many areas and hot during daytime. However, in many areas of the Northern and Northern parts are still cool or cold in the morning and thunderstorms occur in some areas on some days.

**For middle March until April:** Low pressure and heat air masses cover the upper Thailand occasionally, and some southerly and southeasterly winds cover the upper Thailand all of this period. Thus, the upper Thailand will swelter generally and be very hot in some areas on some days, mostly around late March until early April. The maximum temperature will be about 42 – 43 C. Also some thunderstorms occur in many areas, thus reducing some heat.

**For the upper Thailand, the summarized amount of rainfall and average temperature will be mostly almost normal.**

#### Southern Thailand

February until late April: Easterly or southeasterly winds will prevail to cover the Gulf of Thailand and the southern Thailand almost all of this period. Thus, both coasts of the southern Thailand will have isolated to widely scattered rainfall and be hot on some days, while waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high.

From late April: Southwesterly monsoon will prevail to cover the Andaman Sea and the southern Thailand. Thus, the southern Thailand (west coast) will have more rainfall. Additionally, waves in the Andaman Sea will strengthen with about 1 meter height.

**For the southern Thailand, the summarized amount of rainfall will be almost normal, while its average temperature will be slightly above normal.**

#### **\*\*\* Cautions: \*\*\***

**February:** Possibly, some westerly air waves prevailing to cover the upper Thailand will cause the area to have thunderstorms and gusts (winds gusting up to 40 miles/hour) in some areas with possible hails. The public should follow the weather forecasts from the Thai Meteorological Department closely.

**March and April:** Some summer thunderstorms happen often with thunderstorms, gusts and possible hails occurring in some areas causing damages to buildings, houses, and farms.

**Late April:** Possibly, some low pressure air masses occurring around the Andaman Sea would strengthen to be tropical cyclones (depressions, tropical storms, or cyclones). Their movements are to the northern toward eastern directions and may move closer to the western portion of Thailand. Thus, the western portions of the northern, central, and southern parts of Thailand will have more rainfall.

Details for each part of Thailand are as follows:

Part	Approximations and (Normal) of Temperatures/Rains	February	March	April
Northern	Maximum temperature (°C.) Normal	33-35 33.7	35-37 36.1	36-38 37.1
	Minimum temperature (°C.) Normal	16-18 17.2	20-22 20.4	23-25 23.4
	Rainfall (mm.) / Rainy days Normal	Less than 10 / 1-3 10.4 / 1.4	20-40 / 3-5 28.1 / 3.1	50-80 / 6-8 71.3 / 7.0
Northeastern	Maximum temperature (°C.) Normal	32-34 33.0	34-36 35.1	35-37 36.1
	Minimum temperature (°C.) Normal	19-21 19.7	22-24 22.4	24-26 24.5
	Rainfall (mm.) / Rainy days Normal	15-30 / 2-4 18.5 / 2.5	30-50 / 4-6 44.7 / 4.8	70-100 / 7-9 86.3 / 8.0
Central	Maximum temperature (°C.) Normal	34-36 34.6	35-37 36.1	36-38 37.0
	Minimum temperature (°C.) Normal	21-23 22.2	23-25 24.1	25-27 25.5
	Rainfall (mm.) / Rainy days Normal	10-20 / 1-3 12.3 / 1.6	30-50 / 3-5 36.0 / 3.4	60-90 / 6-8 79.6 / 6.4
Eastern (Including coastal areas)	Maximum temperature (°C.) Normal	32-34 32.9	33-35 33.8	34-36 34.7
	Minimum temperature (°C.) Normal	23-25 23.4	24-26 24.9	25-27 25.9
	Rainfall (mm.) / Rainy days Normal	20-40 / 2-4 29.4 / 3.1	50-80 / 5-7 62.5 / 5.4	80-100 / 7-9 98.9 / 8.3
Southern (east coast)	Maximum temperature (°C.) Normal	31-33 31.4	32-34 32.6	33-35 33.7
	Minimum temperature (°C.) Normal	22-24 22.7	23-25 23.7	24-26 24.6
	Rainfall (mm.) / Rainy days Normal	30-50 / 3-5 34.5 / 3.7	50-80 / 5-7 68.4 / 5.4	60-90 / 6-8 75.4 / 7.3
Southern (west coast)	Maximum temperature (°C.) Normal	33-35 33.8	34-36 34.4	33-35 34.2
	Minimum temperature (°C.) Normal	22-24 23.0	23-25 23.7	23-25 24.4
	Rainfall (mm.) / Rainy days Normal	20-40 / 3-5 27.5 / 3.6	70-100 / 7-9 89.1 / 7.6	140-180 / 11-13 160.6 / 12.7
Bangkok Metropolis And its Vicinity	Maximum temperature (°C.) Normal	33-35 33.3	34-36 34.3	35-37 35.4
	Minimum temperature (°C.) Normal	24-26 24.4	25-27 25.9	26-28 26.9
	Rainfall (mm.) / Rainy days Normal	15-30 / 2-4 20.0 / 2.5	30-50 / 3-5 42.1 / 3.6	80-110 / 6-8 91.4 / 6.5

## Expected rainfall, above – below normal

Parts	February	March	April
Northern (Approximations/Normal)	Nearly normal (น้อยกว่า 10 / 10.4)	Nearly normal (20 – 40 / 28.1)	Nearly normal (50–80 / 71.3)
Northeastern (Approximations/Normal)	Nearly normal (15-30 / 18.5)	Nearly normal (30-50 / 44.7)	Nearly normal (70-100 / 86.3)
Central (Approximations/Normal)	Nearly normal (10-20 / 12.3)	Nearly normal (30-50 / 36.0)	Nearly normal (60-90 / 79.6)
Eastern (Approximations/Normal)	Nearly normal (20-40 / 29.4)	Nearly normal (50-80 / 62.5)	Nearly normal (80-110 / 98.9)
Southern Part (East Coast) (Approximations/Normal)	Nearly normal (30-50 / 34.5)	Nearly normal (50-80 / 68.4)	Nearly normal (60-90 / 75.4)
Southern Part (West Coast) (Approximations/Normal)	Nearly normal (20-40 / 27.5)	Nearly normal (70-100 / 89.1)	Nearly normal (140-180 / 160.6)
Bangkok and Neighbor Provinces (Approximations/Normal)	Nearly normal (15-30 / 20.0)	Nearly normal (30-50 / 42.1)	Nearly normal (80-110 / 91.4)

## Expected Temperature, above – below normal

Parts	February	March	April
Northern Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 34.0/17.0 : (33.7 / 17.2)	Nearly Normal 36.0/21.0 : (36.1 / 20.4)	Nearly Normal 37.0/24.0 : (37.1 / 23.4)
Northeastern Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 33.0/20.0 : (33.0 / 19.7)	Nearly Normal 35.0/23.0 : (35.1 / 22.4)	Nearly Normal 36.0/25.0 : (36.1 / 24.5)
Central Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 35.0/22.0 : (34.6 / 22.2)	Nearly Normal 36.0/24.0 : (36.1 / 24.1)	Nearly Normal 37.0/26.0 : (37.0 / 25.5)
Eastern Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 33.0/24.0 : (32.9 / 23.4)	Nearly Normal 34.0/25.0 : (33.8 / 24.9)	Nearly Normal 35.0/26.0 : (34.7 / 25.9)
Southern Part (East Coast) Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 32.0/23.0 : (31.4 / 22.7)	Slightly Above Normal 33.0/24.0 : (32.6 / 23.7)	Nearly Normal 34.0/25.0 : (33.7 / 24.6)
Southern Part (West Coast) Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 34.0/23.0 : (33.8 / 23.0)	Slightly Above Normal 35.0/24.0 : (34.4 / 23.7)	Nearly Normal 34.0/24.0 : (34.2 / 24.4)
Bangkok and neighbor Provinces Approximations of Max./Min.: (Normal of Max./Min.)	Nearly Normal 34.0/25.0 : (33.3 / 24.4)	Slightly Above Normal 35.0/26.0 : (34.3 / 25.9)	Nearly Normal 36.0/27.0 : (35.4 / 26.9)

Explanations: Nearly normal means  $\pm 10\%$ , Slightly above/below normal means  $\pm 10 - 25\%$ ,  
And Above/below normal means  $\pm$  more than 25 %