



# Three-Month Climate Characteristic Expectations of Thailand

## During October - December 2014

Issued on 23 September 2014

Thai Meteorological Department

### General Climate Characteristics

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

**The 1st half of October:** Weather will be variable because of seasonal transition. So the amount and distribution of rainfall will reduce to be widely scattered to scattered and heavy rains occur on some days around the central and eastern parts. Cool air happens in the morning especially around the upper portion of the northern and northeastern parts. **Then from the middle of October until November:** Medium to rather active high pressure air masses from China will prevail over the Upper Thailand from time to time but not continuously. Thus, during the first phase when high pressure air masses prevail, thunderstorms and gusts occur in some areas. Then temperatures will reduce a little as the northern and northeastern parts will be cool generally and cold in some areas mostly around the upper portion while central and eastern parts will be cool in many areas mostly around the upper portion too. **For December:** Continuously active high pressure air masses from China still prevail over the Upper Thailand cause many degree reduction. The northern and northeastern parts will be cool and cold generally while central and eastern parts will be cool generally and cold in some areas on some days. While mountains and mount tops will be cold to very cold with frost in some periods.

Total rains will be slightly below to nearly normal while temperatures will be above normal.

#### Southern Thailand

**The 1st half of October:** Weather will be variable. **Then from the middle of October until December:** The prevailing southwest monsoon over the Andaman Sea and Southern Thailand will change to be northeast monsoon prevailing over the Gulf of Thailand and the Southern Thailand. The monsoon will be rather active from time to time especially during November and December. Additionally, in some periods a monsoon trough lies over the upper, middle and lower portions of the Southern Thailand during the 2nd half of October, November and December consecutively. These characteristics will cause the Southern Thailand still to have densely abundant rainfall especially around the eastern coast. As a result, floods, flooding situations and over-flows will occur in some areas. For wind waves in the Andaman Sea will be about 1 – 2 meters while those in the Gulf of Thailand will be rough with 2 – 4 meters height in some periods.

Total rains will be nearly normal while temperatures will be above normal.

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

**October:** Rainfall in central and eastern parts will occur continuously, together with northern flows flow down and sometimes sea water level rises. These events cause over-flows and floods in some areas.

**November and December:** Low pressure air masses develop in the lower portion of the South China Sea and then strengthen to be tropical cyclones (depressions, tropical storms and typhoons). They favor to move toward the Gulf of Thailand toward the Southern Thailand. This event causes widespread rainfall with heavy to very heavy falls in many areas. Wind waves in the Gulf of Thailand will be rough and windy with 2 – 4 meters height. Moreover, storm surges may occur along the eastern coast of the Southern Thailand. People should follow weather news from the Thai Meteorological Department closely.

Remarks: - Normal mean averages of the 30-year period during B.E. 2524 – 2553 or A.D. 1971 – 2010.

- |  |                     |                               |                     |
|--|---------------------|-------------------------------|---------------------|
| - Daily rainfall distribution (% area) criteria: | Isolated:           | > 0 until < 20 %              |                     |
| Widely scattered:                                | >=20 until < 40%    | Scattered: >= 40 until < 60 % |                     |
| Almost widespread:                               | >=60 until < 80%    | Widespread: >= 80%            |                     |
| - Daily rainfall amount (millimeters) criteria:  | Light:              | > 0 until 9.9,                |                     |
| Moderate:  | >=10 until <= 34.9, | Heavy: >= 35 until <= 90,     | Very Heavy: >= 90.1 |

Climatological Center, Meteorological Development Bureau,  
Thai Meteorological Department

Approximations & Normal of average Maximum & average minimum temperatures  
& rainfall amount / rainy days:

Part	Approximations and normal of temperatures/rains/rainy days	October 2014	November 2014	December 2014
Northern	Maximum temperature (°C.) Normal	32-34 31.9	31-33 31.0	29-31 29.8
	Minimum temperature (°C.) Normal	22-24 22.5	19-21 19.5	16-18 15.9
	Rainfall (mm.) / Rainy days Normal	100-140 / 11-13 124.1 / 12.0	20-40 / 3-5 32.9 / 4.1	Less than 10/1-2 8.2 / 1.2
Northeastern	Maximum temperature (°C.) Normal	31-33 31.4	30-32 30.7	29-31 29.5
	Minimum temperature (°C.) Normal	22-24 22.8	20-22 20.3	17-19 17.1
	Rainfall (mm.) / Rainy days Normal	90-130 / 9-11 117.1 / 10.4	10-30 / 2-4 19.5 / 2.9	Less than 10/1-2 3.5 / 0.8
Central	Maximum temperature (°C.) Normal	32-34 32.4	31-33 31.9	31-33 31.4
	Minimum temperature (°C.) Normal	24-26 24.0	22-24 22.2	19-21 19.7
	Rainfall (mm.) / Rainy days Normal	160-210 / 13-15 187.1 / 14.4	30-50 / 3-5 37.1 / 4.1	Less than 10/1-2 5.2 / 1.0
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	32-34 32.0	32-34 32.1	31-33 31.6
	Minimum temperature (°C.) Normal	24-26 24.1	22-24 23.0	21-23 21.2
	Rainfall (mm.) / Rainy days Normal	190-240 / 15-18 225.1 / 16.5	40-60 / 5-7 53.3 / 5.6	Less than 10/1-2 8.1 / 1.4
Southern (east coast)	Maximum temperature (°C.) Normal	31-33 31.4	30-32 30.3	29-31 29.7
	Minimum temperature (°C.) Normal	23-25 23.8	23-25 23.4	22-24 22.5
	Rainfall (mm.) / Rainy days Normal	230-270 / 17-20 255.3 / 18.6	300-400 / 15-18 357.3 / 16.3	200-250 / 11-13 236.5 / 12.1
Southern (west coast)	Maximum temperature (°C.) Normal	31-33 31.2	31-33 31.4	31-33 31.5
	Minimum temperature (°C.) Normal	23-25 23.7	23-25 23.5	23-25 23.0
	Rainfall (mm.) / Rainy days Normal	300-400 / 20-23 366.5 / 22.8	170-220 / 15-17 193.1 / 16.2	60-90 / 8-10 74.9 / 9.1
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	32-34 32.6	32-34 32.4	31-33 31.7
	Minimum temperature (°C.) Normal	24-26 24.8	23-25 23.9	22-24 22.0
	Rainfall (mm.) / Rainy days Normal	270-320 / 16-18 292.1 / 17.5	40-60 / 4-6 49.5 / 5.8	Less than 10/1-2 6.3 / 1.2

### Expected rainfall, above – below normal

Parts	October	November	December
Northern (Approximations/Normal)	Nearly normal (100-140 / 124)	Nearly normal (20-40 / 33)	Nearly normal (Less than 10 / 8)
Northeastern (Approximations/Normal)	Slightly Below to nearly normal (90-130 / 117)	Nearly normal (10-30 / 20)	Nearly normal (Less than 10 / 4)
Central (Approximations/Normal)	Nearly normal (160-210 / 187)	Nearly normal (30-50 / 37)	Nearly normal (Less than 10 / 5)
Eastern (Approximations/Normal)	Slightly Below to nearly normal (190-240 / 225)	Nearly normal (40-60 / 53)	Nearly normal (Less than 10 / 8)
Southern Part (East Coast) (Approximations/Normal)	Nearly normal (230-270 / 155)	Nearly normal (300-400 / 357)	Nearly normal (200-250 / 237)
Southern Part (West Coast) (Approximations/Normal)	Nearly normal (300-400 / 367)	Nearly normal (170-220 / 193)	Nearly normal (60-90 / 75)
Bangkok Metropolis and vicinity (Approximations/Normal)	Nearly normal (270-320 / 292)	Nearly normal (40-60 / 50)	Nearly normal (Less than 10 / 6)

### Expected Temperature, above – below normal

Parts	October	November	December
Northern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 23 : (31.9 / 22.5)	Slightly Above Normal 32 / 20 : (31.0 / 19.5)	Slightly Above Normal 30 / 17 : (29.8 / 15.9)
Northeastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 23 : (31.4 / 22.8)	Slightly Above Normal 31 / 21 : (30.7 / 20.3)	Slightly Above Normal 30 / 18 : (29.5 / 17.1)
Central Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 25 : (32.4 / 24.0)	Slightly Above Normal 32 / 23 : (31.9 / 22.2)	Slightly Above Normal 32 / 20 : (31.4 / 19.7)
Eastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 25 : (32.0 / 24.1)	Slightly Above Normal 33 / 23 : (32.1 / 23.0)	Slightly Above Normal 33 / 22 : (31.6 / 21.2)
Southern Part (East Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 24 : (31.4 / 23.8)	Slightly Above Normal 31 / 24 : (30.3 / 23.4)	Slightly Above Normal 30 / 23 : (29.7 / 22.5)
Southern Part (West Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 24 : (31.2 / 23.7)	Slightly Above Normal 32 / 24 : (31.4 / 23.5)	Slightly Above Normal 30 / 24 : (31.5 / 23.0)
Bangkok Metropolis and vicinity Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 25 : (32.6 / 24.8)	Slightly Above Normal 33 / 24 : (32.4 / 23.9)	Slightly Above Normal 32 / 23 : (31.7 / 22.0)

**Explanations:** Nearly normal means  $\pm 10$  % of normal. Slightly above/below normal means  $\pm 10$  - 25 % of normal. And above/below normal means  $\pm$  more than 25 % of normal.