



# Three-Month Climate Characteristic Expectations of Thailand

## During March - May 2015

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Thai Meteorological Department

### General Climate Characteristics

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

During March until April: At first, high pressure air masses still prevail to cover the upper portion of northeastern and northern regions causing the upper portion of the northeastern and northern regions to be still cool in the morning. While during day time, the upper portion of the Upper Thailand will swelter generally. Later, southerly or southeasterly winds will prevail over the Upper Thailand almost all of the period. Additionally, some heat low pressure air mass cells will prevail over the Upper Thailand in some periods. As a result, the Upper Thailand will swelter generally with very hot air in many areas on some days, mostly around the northern, northeastern and central regions. Maximum temperature is about 40 – 43 C. However, during some periods some thunderstorms occur as thunder rain and gusts in many areas, and thus reducing some heat.

During the 1st half of May: Some weather disturbances appear. Then during the 2nd half of May: Southwesterly monsoon will prevail over the Andaman Sea, Thailand and the Gulf of Thailand as being more active continuously together with some low pressure air mass cells place over central and eastern regions in some periods. These characteristics cause the Upper Thailand to have more rain.

The total rainfall will be slightly below normal while mean temperature will be above normal.

#### Southern Thailand

During March until late April: The prevailing easterly or southeasterly winds will influence the Gulf of Thailand and Southern Thailand almost all of this period causing the area to have isolated to widely scattered rainfall, mostly around the lower portion of the region. Additionally, hot air may occur on some days while wind waves at both coasts will be about 1 meter high. Then during May: Southwesterly monsoon will prevail over the Andaman Sea and the Southern Thailand causing the area especially the west coast to have more rainfall. Rougher wind waves in the Andaman Sea will be 2 - 3 meters high in some periods while those in the Gulf of Thailand will be about 1 meter high.

The total rainfall will be below normal while mean temperature will be above normal.

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

March and April: Thunderstorms occur often as thunder rain and gusts with hails in some areas causing possible household and crop damages.

Late April until May: Some low pressure air mass cells may develop in the Andaman Sea and strengthen to be depressions and cyclones moving northeasterly and may move closer toward the western side of Thailand. Consequently, they will influence the western side of both of the northern and central regions including with the eastern region and the west coast of the Southern Thailand. The public should follow weather forecast news from the Thai Meteorological Department closely.

Remarks: - Normal mean averages of the 30-year period during B.E. 2524 – 2553 or A.D. 1981 – 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 |

Prediction & Normal of average maximum & average minimum temperature  
& average rainfall amount with average rainy days:

| Part                                    | Prediction and normal                 | March 2015                | April 2015                      | May 2015                        |
|---|---------------------------------------|---------------------------|---------------------------------|---------------------------------|
| Northern                                | Maximum temperature (°C.)<br>Normal   | 36-38<br>36.1             | 37-39<br>37.1                   | 34-36<br>34.7                   |
|   | Minimum temperature (°C.)<br>Normal   | 21-23<br>20.4             | 24-26<br>23.4                   | 24-26<br>24.2                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 10-30 / 2-4<br>28.1 / 3.1 | 50-80 / 6-8<br>71.3 / 7.0       | 150-200 / 14-17<br>177.8 / 15.5 |
| Northeastern                            | Maximum temperature (°C.)<br>Normal   | 35-37<br>35.1             | 36-38<br>36.1                   | 34-36<br>34.4                   |
|   | Minimum temperature (°C.)<br>Normal   | 23-25<br>22.4             | 25-27<br>24.5                   | 25-27<br>24.8                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 30-50 / 4-6<br>44.7 / 4.8 | 60-90 / 7-9<br>86.3 / 8.0       | 160-210 / 14-17<br>187.1 / 15.3 |
| Central                                 | Maximum temperature (°C.)<br>Normal   | 36-38<br>36.1             | 37-39<br>37.0                   | 35-37<br>35.2                   |
|   | Minimum temperature (°C.)<br>Normal   | 24-26<br>24.4             | 25-27<br>25.8                   | 25-27<br>25.7                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 20-40 / 3-5<br>36.0 / 3.4 | 60-90 / 5-7<br>79.6 / 6.4       | 150-200 / 13-16<br>172.1 / 14.3 |
| Eastern<br>(including<br>coastal areas) | Maximum temperature (°C.)<br>Normal   | 33-35<br>33.8             | 34-36<br>34.7                   | 33-35<br>33.7                   |
|   | Minimum temperature (°C.)<br>Normal   | 25-27<br>24.9             | 25-27<br>25.9                   | 25-27<br>25.8                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 40-70 / 4-6<br>62.5 / 5.4 | 70-100 / 7-9<br>98.9 / 8.3      | 200-250 / 16-19<br>223.9 / 15.8 |
| Southern<br>(east coast)                | Maximum temperature (°C.)<br>Normal   | 32-34<br>32.6             | 33-36<br>33.7                   | 33-35<br>33.5                   |
|   | Minimum temperature (°C.)<br>Normal   | 24-26<br>23.7             | 24-26<br>24.6                   | 24-26<br>24.9                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 40-70 / 5-7<br>68.4 / 5.4 | 50-80 / 6-8<br>75.4 / 7.3       | 120-160 / 13-16<br>143.7 / 14.3 |
| Southern<br>(west coast)                | Maximum temperature (°C.)<br>Normal   | 34-36<br>34.4             | 34-36<br>34.2                   | 32-34<br>32.7                   |
|   | Minimum temperature (°C.)<br>Normal   | 24-26<br>23.7             | 24-26<br>24.4                   | 24-26<br>24.6                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 60-90 / 7-9<br>89.1 / 7.6 | 140-170 / 12-14<br>160.6 / 12.7 | 280-330 / 18-21<br>310.1 / 19.9 |
| Bangkok<br>Metropolis<br>and vicinity   | Maximum temperature (°C.)<br>Normal   | 34-36<br>34.3             | 35-37<br>35.4                   | 34-36<br>34.4                   |
|   | Minimum temperature (°C.)<br>Normal   | 26-28<br>25.9             | 26-28<br>26.9                   | 26-28<br>26.3                   |
|   | Rainfall (mm.) / Rainy days<br>Normal | 30-50 / 3-5<br>42.1 / 3.6 | 70-100 / 5-7<br>91.4 / 6.5      | 220-270 / 15-18<br>247.7 / 16.2 |

Expected rainfall, near or above or below normal:

| Parts  | March 2015                            | April 2015                             | May 2015                                 |
|--|---------------------------------------|--|--|
| Northern<br>(Prediction/Normal)                        | Slightly below normal<br>(10-30 / 28) | Slightly below normal<br>(50-80 / 71)  | Near normal<br>(150-200 / 178)           |
| Northeastern<br>(Prediction/Normal)                    | Slightly below normal<br>(30-50 / 45) | Slightly below normal<br>(60-90 / 86)  | Near normal<br>(160-210 / 187)           |
| Central<br>(Prediction/Normal)                         | Slightly below normal<br>(20-40 / 36) | Slightly below normal<br>(60-90 / 80)  | Near normal<br>(150-200 / 172)           |
| Eastern<br>(Prediction/Normal)                         | Slightly below normal<br>(40-70 / 63) | Slightly below normal<br>(70-100 / 99) | Near normal<br>(200-250 / 224)           |
| Southern Part (East Coast)<br>(Prediction/Normal)      | below normal<br>(40-70 / 68)          | below normal<br>(50-80 / 75)           | Slightly below normal<br>(120-160 / 144) |
| Southern Part (West Coast)<br>(Prediction/Normal)      | below normal<br>(60-90 / 89)          | below normal<br>(140-170 / 161)        | Slightly below normal<br>(280-330 / 310) |
| Bangkok Metropolis and vicinity<br>(Prediction/Normal) | Slightly below normal<br>(30-50 / 42) | Slightly below normal<br>(70-100 / 91) | Near normal<br>(220-270 / 248)           |

Expected temperature, near or above or below normal:

| Parts   | March 2015  | April 2015                               | May 2015  |
|---|---|--|---|
| Northern<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)                        | Slightly above normal<br>37 / 22<br>(36.1 / 20.4) | Above Normal<br>38 / 25<br>(37.1 / 23.4) | Slightly above Normal<br>35 / 25<br>(34.7 / 24.2) |
| Northeastern<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)                    | Slightly above normal<br>36 / 24<br>(35.1 / 22.4) | Above Normal<br>37 / 26<br>(36.1 / 24.5) | Slightly above Normal<br>35 / 26<br>(34.4 / 24.8) |
| Central<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)                         | Slightly above normal<br>37 / 25<br>(36.1 / 24.4) | Above Normal<br>38 / 26<br>(37.0 / 25.8) | Slightly above Normal<br>36 / 26<br>(35.2 / 25.7) |
| Eastern<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)                         | Slightly above normal<br>34 / 26<br>(33.8 / 24.9) | Above Normal<br>35 / 26<br>(34.7 / 25.9) | Slightly above Normal<br>34 / 26<br>(33.7 / 25.8) |
| Southern Part (East Coast)<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)      | Slightly above normal<br>33 / 25<br>(32.6 / 23.7) | Above Normal<br>34 / 25<br>(33.7 / 24.6) | Slightly above Normal<br>34 / 25<br>(33.5 / 24.9) |
| Southern Part (West Coast)<br>Prediction of Max./Min.):<br>(Normal of Max./Min.)      | Slightly above normal<br>35 / 25<br>(34.4 / 23.7) | Above Normal<br>35 / 25<br>(34.2 / 24.4) | Slightly above Normal<br>33 / 25<br>(32.7 / 24.6) |
| Bangkok Metropolis and vicinity<br>Prediction of Max./Min.):<br>(Normal of Max./Min.) | Slightly above normal<br>35 / 27<br>(34.3 / 25.9) | Above Normal<br>36 / 27<br>(35.4 / 26.9) | Slightly above Normal<br>35 / 27<br>(34.4 / 26.3) |

Explanations: Near 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.