



Three-Month Climate Characteristic Expectations of Thailand

During April - June 2015

Issued on 24 March 2015

Thai Meteorological Department

General Climate Characteristics

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

During April: The southerly or southeasterly wind will still prevail over the Upper Thailand almost all of this period. Additionally, heat low air mass cells will still prevail over the Upper Thailand from time to time causing the Upper Thailand to swelter generally with very hot weather in many areas on some days, especially around the northern and northeastern parts and the upper portion of the central and eastern parts. Maximum temperature is 40 – 43 °C. But during some phases, some thunderstorms occur with thunder rain and gusty wind in many areas, and thus reducing some heat. Then during the 1st half of May: Some weather disturbances occur as sweltering weather generally with thunder rain appearing on some days. Then during the 2nd half of May until June: The southwest monsoon will prevail over the Andaman Sea, Thailand and the Gulf of Thailand as being rather active periodically and continuously. Furthermore, a monsoon trough will place over the central and eastern parts in some phases causing the Upper Thailand to have more abundant rain with heavy rain in many areas and very heavy rain in some areas. As a result, wind waves in the Gulf of Thailand around the eastern part will be more active.

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

Southern Thailand

During April: The easterly or southeasterly wind will still prevail over the Gulf of Thailand and Southern Thailand almost all of this period causing isolated to widely scattered rain to appear in the Southern Thailand with hot weather on some days while wind waves on both coasts of the Southern Thailand will be about 1 meter. Then during May until June: The southwest monsoon will begin to prevail over the Andaman Sea and the Southern Thailand as being rather active periodically and continuously causing more abundant rain to happen in the Southern Thailand. Especially on the western coast, some heavy rain will occur on many areas and very heavy rain will occur on some areas. Wind waves in the Andaman Sea will be more active as 2 – 3 meters height in some phases whereas those in the Gulf of Thailand will be about 1 meter.

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

***** Cautions: *****

April: Some thunderstorms will often occur as thunder rain and gusty wind with feasible 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 parts including with the coastal areas of the eastern part and the west coast of the Southern Thailand.

June: Some tropical cyclones often develop in the western side of the Pacific Ocean and may move toward the Philippines toward the South China Sea bringing about the more active southwest monsoon to prevail over Thailand and the Gulf of Thailand. Consequently, more rain happens in Thailand, especially around the coastal areas of the eastern part and the Southern Thailand (West Coast).

Remarks: - Normal mean averages of the 30-year period during B.E. 2524 – 2553 or A.D. 1981 – 2010.

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|--|---------------------|-------------------------------|---------------------|
| - 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 | April 2015 | May 2015 | June 2015 |
|---|---------------------------------------|---------------------------------|---------------------------------|---------------------------------|
| Northern | Maximum temperature (°C.) Normal | 37-39 37.1 | 34-36 34.7 | 32-34 33.0 |
| | Minimum temperature (°C.) Normal | 24-26 23.4 | 24-26 24.2 | 24-26 24.3 |
| | Rainfall (mm.) / Rainy days Normal | 50-80 / 6-8 71.3 / 7.0 | 150-200 / 14-17 177.8 / 15.5 | 140-180 / 16-19 156.2 / 17.8 |
| Northeastern | Maximum temperature (°C.) Normal | 36-38 36.1 | 34-36 34.4 | 33-35 33.4 |
| | Minimum temperature (°C.) Normal | 25-27 24.5 | 24-26 24.8 | 24-26 24.9 |
| | Rainfall (mm.) / Rainy days Normal | 60-90 / 7-9 86.3 / 8.0 | 150-200 / 14-17 187.1 / 15.3 | 180-230 / 14-17 203.4 / 16.1 |
| Central | Maximum temperature (°C.) Normal | 37-39 37.0 | 35-37 35.2 | 34-36 34.0 |
| | Minimum temperature (°C.) Normal | 25-27 25.8 | 25-27 25.7 | 25-27 25.5 |
| | Rainfall (mm.) / Rainy days Normal | 60-90 / 5-7 79.6 / 6.4 | 140-180 / 13-16 172.1 / 14.3 | 120-160 / 14-17 145.2 / 15.4 |
| Eastern (including coastal areas) | Maximum temperature (°C.) Normal | 34-36 34.7 | 33-35 33.7 | 32-34 32.8 |
| | Minimum temperature (°C.) Normal | 25-27 25.9 | 25-27 25.8 | 25-27 25.7 |
| | Rainfall (mm.) / Rainy days Normal | 70-100 / 7-9 98.9 / 8.3 | 190-240 / 16-19 223.9 / 15.8 | 240-290 / 15-18 261.5 / 16.7 |
| Southern (east coast) | Maximum temperature (°C.) Normal | 33-35 33.7 | 33-35 33.5 | 33-35 33.1 |
| | Minimum temperature (°C.) Normal | 24-26 24.6 | 24-26 24.9 | 24-26 24.7 |
| | Rainfall (mm.) / Rainy days Normal | 50-80 / 6-8 75.4 / 7.3 | 120-160 / 13-16 143.7 / 14.3 | 100-140 / 12-15 113.0 / 13.7 |
| Southern (west coast) | Maximum temperature (°C.) Normal | 34-36 34.2 | 32-34 32.7 | 31-33 32.0 |
| | Minimum temperature (°C.) Normal | 24-26 24.4 | 24-26 24.6 | 24-26 24.6 |
| | Rainfall (mm.) / Rainy days Normal | 140-170 / 12-14 160.6 / 12.7 | 280-330 / 18-21 310.1 / 19.9 | 280-330 / 18-21 312.4 / 18.9 |
| Bangkok Metropolis and vicinity | Maximum temperature (°C.) Normal | 35-37 35.4 | 34-36 34.4 | 34-36 34.6 |
| | Minimum temperature (°C.) Normal | 26-28 26.9 | 26-28 26.3 | 26-28 26.1 |
| | Rainfall (mm.) / Rainy days Normal | 70-100 / 5-7 91.4 / 6.5 | 220-270 / 15-18 247.7 / 16.2 | 140-180 / 15-18 157.1 / 16.2 |

Expected rainfall, near or above or below normal:

| Parts | April 2015 | May 2015 | June 2015 |
|--|--|--|--|
| Northern (Prediction/Normal) | Slightly below normal (50-80 / 71) | Slightly below normal (150-200 / 178) | Near normal (140-180 / 156) |
| Northeastern (Prediction/Normal) | Slightly below normal (60-90 / 86) | Slightly below normal (150-200 / 187) | Near normal (180-230 / 203) |
| Central (Prediction/Normal) | Slightly below normal (60-90 / 80) | Slightly below normal (140-180 / 172) | Near normal (120-160 / 145) |
| Eastern (Prediction/Normal) | Slightly below normal (70-100 / 99) | Slightly below normal (190-240 / 224) | Near normal (240-290 / 262) |
| Southern Part (East Coast) (Prediction/Normal) | below normal (50-80 / 75) | Slightly below normal (120-160 / 144) | Slightly below normal (100-140 / 113) |
| Southern Part (West Coast) (Prediction/Normal) | below normal (140-170 / 161) | Slightly below normal (280-330 / 310) | Slightly below normal (280-330 / 312) |
| Bangkok Metropolis and vicinity (Prediction/Normal) | Slightly below normal (70-100 / 91) | Slightly below normal (220-270 / 248) | Near normal (140-180 / 157) |

Expected temperature, near or above or below normal:

| Parts | April 2015 | May 2015 | June 2015 |
|---|--|---|---|
| Northern Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 38 / 25 (37.1 / 23.4) | Slightly above Normal 35 / 25 (34.7 / 24.2) | Slightly above Normal 33 / 25 (33.0 / 24.3) |
| Northeastern Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 37 / 26 (36.1 / 24.5) | Slightly above Normal 35 / 25 (34.4 / 24.8) | Slightly above Normal 34 / 25 (33.4 / 24.9) |
| Central Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 38 / 26 (37.0 / 25.8) | Slightly above Normal 36 / 26 (35.2 / 25.7) | Slightly above Normal 35 / 26 (34.0 / 25.5) |
| Eastern Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 35 / 26 (34.7 / 25.9) | Slightly above Normal 34 / 26 (33.7 / 25.8) | Slightly above Normal 33 / 26 (32.8 / 25.7) |
| Southern Part (East Coast) Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 34 / 25 (33.7 / 24.6) | Slightly above Normal 34 / 25 (33.5 / 24.9) | Slightly above Normal 34 / 25 (33.1 / 24.7) |
| Southern Part (West Coast) Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 35 / 25 (34.2 / 24.4) | Slightly above Normal 33 / 25 (32.7 / 24.6) | Slightly above Normal 32 / 25 (32.0 / 24.6) |
| Bangkok Metropolis and vicinity Prediction of Max./Min.): (Normal of Max./Min.) | Above Normal 36 / 27 (35.4 / 26.9) | Slightly above Normal 35 / 27 (34.4 / 26.3) | Slightly above Normal 35 / 27 (34.6 / 26.1) |

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.