



## Three-Month Climate Characteristic Expectations of Thailand

During August - October 2015

Issued on 28 July 2015

Thai Meteorological Department

### General Climate Characteristics

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

**During August until September:** The southwest monsoon still prevails over Thailand with being active from time to time; additionally, a monsoon trough places over the upper Thailand from time to time. This characteristic will bring about abundant rain over the upper Thailand; almost widespread rainfall with heavy rains in many areas and very heavy rains in some areas. Thus, flash floods, flooding situations and over-flows occur in some areas. Winds and waves in the Gulf of Thailand around the eastern coast will be rough with 2–3 meters high in some periods. **During the beginning to middle of October:** The southwest monsoon which prevails over Thailand will be weakened. Moreover, high pressure air masses from China prevailing over Northern and Northeastern parts periodically cause to reduce the amount of rainfall and rainfall distribution around upper Thailand, then starting to have cold air in the morning, especially the upper of Northern and Northeastern Thailand. **For the late of October:** High pressure air masses from China which prevail over same areas will be strengthened. Cause to reduce the rainfall and temperature. Northern and Northeastern parts will be cool and cold air in the morning, while Central and Eastern parts will be cool air in the upper portion. Wind waves in the Gulf of Thailand around the eastern coast will weaken with 1–2 meters high.

The average rains will be slightly below normal while average temperatures will be slightly above normal.

#### Southern Thailand

**During August until September:** Occasionally the southwest monsoon still prevails over the Andaman Sea and Southern Thailand actively, influencing the southern Thailand to have densely abundant rainfall with heavy rains in many areas and very heavy rains in some areas mainly in the western portion. Therefore, flash floods and flooding situations will happen in some areas. Wind waves in the Andaman Sea will be rough with 2 – 4 meters high in some periods. While at the Gulf of Thailand, wind waves will be about 1-2 meters high. **For October:** the prevailing southwest monsoon over the Andaman Sea and the southern Thailand will be weakened and change to be in the northeast monsoon prevailing over the Gulf of Thailand and the southern Thailand. Together with the monsoon trough will place over the upper portion of the southern Thailand in some periods. These characteristics will cause both sides of the southern Thailand to still have densely abundant rainfall. Wind waves in the Gulf of Thailand will strengthen with 2–3 meters high in some periods, while in the Andaman Sea will weaken with 1–2 meters high.

The average rains will be below normal while average temperatures will be slightly above normal.

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

**August and September:** Tropical cyclones will often develop in the Northwestern Pacific or the South China Sea. They favor a high chance of moving near or pass the Upper Thailand influencing Thailand experiencing densely abundant rainfall with heavy to very heavy rains on many areas. As a result, flash flood, forest flood and over-flows appear in many areas. Thus, the public should follow weather forecast news and tropical cyclone warnings from the Thai Meteorological Department.

**During October:** Tropical cyclones often develop in the Pacific Ocean around the western side, then moved to middle South China Sea and favor a high chance to move near the upper Thailand. Thus, Thailand will have more rainfall with heavy to very heavy falls in some areas. Wind waves will be strengthened.

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 |

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Expected rainfall, compare to normal and rainy days:

Parts	August 2015	September 2015	October 2015
Northern Rainfall / rainy days	Near normal (200-250 / 19-22)	Slightly below normal (170-220 / 17-20)	Slightly below normal (90-130 / 11-13)
Northeastern Rainfall / rainy days	Near normal (240-290 / 18-21)	Slightly below normal (200-250 / 16-16)	Slightly below normal (80-120 / 10-12)
Central Rainfall / rainy days	Slightly below normal (150-200 / 17-22)	Slightly below normal (210-260 / 18-21)	Slightly below normal (150-200 / 18-21)
Eastern Rainfall / rainy days	Slightly below normal (260-310 / 17-20)	Slightly below normal (280-350 / 18-21)	Slightly below normal (180-230 / 15-17)
Southern Part (East Coast) Rainfall / rainy days	Slightly below normal (900-130 / 14-16)	below normal (110-150 / 15-18)	below normal (200-250 / 16-19)
Southern Part (West Coast) Rainfall / rainy days	Slightly below normal (300-400 / 19-22)	below normal (300-400 / 20-23)	below normal (280-350 / 20-23)
Bangkok Metropolis and vicinity Rainfall / rainy days	Slightly below normal (170-220 / 17-20)	Slightly below normal (280-330 / 19-22)	Slightly below normal (250-300 / 15-18)

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.

Expected average maximum – minimum temperature and compare to normal:

Parts	August 2015	September 2015	October 2015
Northern Average maximum temp. / average minimum temp.	Slightly above Normal 31-33 23-25	Slightly above Normal 32-34 23-25	Slightly above Normal 32-34 22-24
Northeastern Average maximum temp. / average minimum temp.	Slightly above Normal 32-34 24-26	Slightly above Normal 31-33 24-26	Slightly above Normal 31-33 23-25
Central Average maximum temp. / average minimum temp.	Slightly above Normal 33-35 25-27	Slightly above Normal 32-34 24-26	Slightly above Normal 32-34 24-26
Eastern Average maximum temp. / average minimum temp.	Slightly above Normal 32-34 25-27	Slightly above Normal 31-33 24-26	Slightly above Normal 32-34 24-26
Southern Part (East Coast) Average maximum temp. / average minimum temp.	Slightly above Normal 32-34 24-26	Slightly above Normal 32-34 24-26	Slightly above Normal 32-34 24-26
Southern Part (West Coast) Average maximum temp. / average minimum temp.	Slightly above Normal 31-33 24-26	Slightly above Normal 31-33 23-25	Slightly above Normal 31-33 24-26
Bangkok Metropolis and vicinity Average maximum temp. / average minimum temp.	Slightly above Normal 33-35 25-27	Slightly above Normal 32-34 25-27	Slightly above Normal 32-34 25-27