



# The 2015 Rainy Season Climate Expectation of Thailand

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*The rainy season of this year is expected to be summarized rain will be near normal and near that of last year. However, during August and September, Thailand will experience heavy to very heavy rain at many areas bringing about flash flood, forest flood and overflow in some areas. The public should be cautious about these natural hazards and follow weather news closely. The rainy season of this will end at about middle October.*

## General Weather Characteristics:

During the beginning and middle June, rather active southwest monsoon will prevail over the Andaman Sea and Thailand continuously and periodically. Furthermore, the monsoon trough will place over the Upper Thailand in some period. These characteristics will influence Thailand to experience continuous rain and heavy rain in some areas. For during late June until late July, the prevailing southwest monsoon over the Andaman Sea and Thailand will weaken discontinuously, while the monsoon trough placing over the Upper Thailand will move upward to lie across Southern China causing much reducing rain in Thailand. Thus water shortage happens in many agricultural areas, especially for those repeated drought areas outside the irrigation zones. Then during late July until September, the previously prevailing southwest monsoon will return back becoming active more continuously from time to time. Furthermore, the monsoon trough will move downward to place over the Upper Thailand again influencing Thailand to experience abundant rain as almost widespread rainfall and heavy to very heavy rain at many areas. As a result, flash flood, forest flood and overflow appear at many areas. Then during October, high pressure air masses from China will prevail to cover northeastern and northern regions periodically. Additionally, the monsoon trough will move downward to cover the upper portion of Southern Thailand. Moreover, the southwest monsoon prevailing over Thailand will change its direction to be northeasterly prevailing over Thailand, the Gulf of Thailand and the Southern Thailand. These characteristics will cause the Upper Thailand to experience less rain and become cool or cold in the morning, especially at the northern and northeastern regions, whereas the Southern Thailand will experience dense rain further, especially at the eastern coast.

The rainy season of this year of the Upper Thailand will end at about middle October, while the Southern Thailand will still experience continuous rain until late January. Specifically during November and December, the Southern Thailand (East Coast) will experience heavy rain in many areas and very heavy rain in some areas.

## Tropical cyclone (depressions, tropical storms and typhoons)

This year, about 1-2 tropical cyclones are expected to move toward Thailand. Their tendencies are:

One tropical cyclone passes **northeastern and northern parts** during August or September.

And another one will pass the southern Thailand during November.

### Details for each part of Thailand:

Northern During June until October, the rainfall is to be near normal (Normal: 156.2, 176.0, 223.0, 218.3 and 124.1 millimeters respectively).

Northeastern During June until October, the rainfall is to be near normal (Normal: 203.4, 211.4, 266.2, 242.0 and 117.1 millimeters respectively).

Central During June until October, the rainfall is to be near normal (Normal: 145.2, 155.5, 181.1, 257.3 and 187.1 millimeters respectively).

Eastern During June until October, the rainfall is to be near normal (Normal: 261.5, 277.5, 302.5, 330.1 and 225.1 millimeters respectively).

Southern Thailand (the Gulf of Thailand) During June until October, the rainfall is to be near normal (Normal: 113.0, 118.9, 124.1, 150.1 and 255.3 millimeters respectively).

Southern Thailand (the Andaman Sea) During June until October, the rainfall is to be near normal (Normal: 312.4, 336.5, 398.5, 423.9 and 366.5 millimeters respectively).

Bangkok Metropolis and vicinity During June until October, the rainfall is to be near normal (Normal: 157.1, 175.1, 219.3, 334.2 and 292.1 millimeters respectively).

### Cautions:

*1. During some periods, heavy to very heavy falls occur continuously for many days. Thus flash floods and flooding situations may happen especially in August until September. Consequently, the public should follow up daily weather news closely.*

*2. While tropical cyclones moving near or past Thailand, gust, widely rains and heavy to very heavy rainfall take place in many areas. As coastal areas have storm surges with rough to very rough sea appearing to be 2 – 4 meters height.*

*The public and seafarers should be careful from these natural disasters, and should follow news during the tropical cyclone periods closely.*

## Rainfall expectations of 2015 compared to normal:

Part	Jun	Jul-Aug	Sep-Oct	Nov-Dec
North	near normal	near normal	near normal	-
Northeast	near normal	near normal	near normal	-
Central	near normal	near normal	near normal	-
East	near normal	near normal	near normal	-
Southern Thailand East Coast	near normal	near normal	near normal	near normal
Southern Thailand West Coast	near normal	near normal	near normal	near normal
Bangkok Metropolis and Vicinity	near normal	near normal	near normal	-

## Rainfall amount expectations (millimeters) during the rainy season of 2015:

Part	Jun	Jul	Aug	Sep	Oct	Nov	Dec
North	140-180	150-200	200-250	190-240	100-140	-	-
Northeast	170-220	180-230	240-290	220-270	100-140	-	-
Central	120-160	130-170	160-210	230-280	160-210	-	-
East	240-290	250-300	280-330	300-350	200-250	-	-
Southern Thailand East Coast	100-140	100-140	100-140	130-170	230-280	300-400	210-260
Southern Thailand West Coast	280-330	300-400	350-450	400-500	300-400	170-220	60-90
Bangkok Metropolis and Vicinity	140-180	150-200	190-240	300-400	270-320	-	-

**Remarks:** - Normal means averages during the 30-year period (A.D. 1981 – 2010 or B.E. 2524 – 2553).

- These expectations are long rang forecasts by using statistical and climate models which may have some errors.

- Please enquire climate forecasts: monthly/seasonally at Tel. 662-398-9929 or Fax. 662-383-8827 or at [www.tmd.go.th](http://www.tmd.go.th) or [www.weather.go.th](http://www.weather.go.th)

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