



Three-Month Climate Characteristic Expectations of Thailand

During November 2014 - January 2015

Issued on 28 October 2014

Thai Meteorological Department

General Climate Characteristics

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

November: Rather moderate to rather active high pressure air masses from China will prevail to cover Upper Thailand periodically and discontinuously. Thus, during the first period of prevailing high pressure air masses, thunder rains and gusts occur in some areas. Then, temperatures will reduce a little. As a result, northern and northeastern parts will be cool generally and cold in some areas, mostly at the upper portion of the area. Furthermore, central and eastern parts will be cool in many areas, mostly also at the upper portion of the area. December until January: More active high pressure air masses from China still prevail over the Upper Thailand more continuously causing many degrees reduction. Consequently, northern and northeastern parts will be cold generally, mostly at the upper portion of the parts. While central and eastern parts will be cool generally and cold in some areas on some days. For mountains and mountainous areas, cold to very cold air occurs with frost happening in some periods.

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

Southern Thailand

November until December: The active northeastern monsoon prevails over the Gulf of Thailand and Southern Thailand periodically. Additionally, a low pressure trough places over the middle and lower portions of the Southern Thailand during some periods in November and December consecutively. These characteristics will cause the Southern Thailand still to have abundant rainfall, especially along the eastern coast from Chumphon province downward. As a result, flash flood and overflow inundate in some areas. Wind waves in the Gulf of Thailand will be rough with 2 – 4 meters high in some periods. Whereas those in the Andaman Sea will be 1 – 2 meters high. January: The northeastern monsoon prevailing over the Gulf of Thailand and the Southern Thailand will weaken, and change to be from the prevailing eastern direction. Thus, rainfall of both coasts of the Southern Thailand will reduce as isolated rainfall, mostly around the central portion of the part. Moreover, Wind waves in the Gulf of Thailand still are rather active with 2 – 3 meters high in some periods, while those in the Andaman Sea will be 1 meter high.

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

*** Cautions: ***

During November and December: Some low pressure air masses develop in the lower portion of the South China Sea, and then develop to be tropical cyclones (depressions, tropical storms, and typhoons). Furthermore, they favor a high chance to move pass the Gulf of Thailand toward the Southern Thailand. Thus, the Southern Thailand will have rainfall occurring widely with heavy to very heavy rains in many areas. Moreover, wind waves in the Gulf of Thailand will be rough and windy with 2 – 4 meters high. Possibly, some storm surges may develop along the eastern coast of the Southern Thailand. People should follow weather news from the Thai Meteorological Department closely.

During January: Some westerly wind waves from Myanmar may move toward the Upper Thailand causing the area to have thunder rains and gusts in many areas. People should also follow the 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.

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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 |

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

Part	Approximations and normal of temperatures/rains/rainy days	November 2014	December 2014	January 2015
Northern	Maximum temperature (°C.) Normal	31-33 31.0	29-31 29.8	30-32 31.1
	Minimum temperature (°C.) Normal	19-21 19.5	16-18 15.9	16-18 15.6
	Rainfall (mm.) / Rainy days Normal	20-40 / 3-5 32.9 / 4.1	Less than 10/1-2 8.2 / 1.2	Less than 10/1-2 4.6 / 1.0
Northeastern	Maximum temperature (°C.) Normal	30-32 30.7	29-31 29.5	30-32 30.6
	Minimum temperature (°C.) Normal	20-22 20.3	17-19 17.1	17-19 17.1
	Rainfall (mm.) / Rainy days Normal	10-30 / 2-4 19.5 / 2.9	Less than 10/1-2 3.5 / 0.8	Less than 10/1-2 4.8 / 1.1
Central	Maximum temperature (°C.) Normal	31-33 31.9	31-33 31.4	32-34 32.7
	Minimum temperature (°C.) Normal	22-24 22.2	19-21 19.7	20-22 20.1
	Rainfall (mm.) / Rainy days Normal	30-50 / 3-5 37.1 / 4.1	Less than 10/1-2 5.2 / 1.0	Less than 10/1-2 6.7 / 1.1
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	32-34 32.1	31-33 31.6	32-34 32.1
	Minimum temperature (°C.) Normal	22-24 23.0	21-23 21.2	21-23 21.4
	Rainfall (mm.) / Rainy days Normal	40-60 / 5-7 53.3 / 5.6	Less than 10/1-2 8.1 / 1.4	10-20 / 1-2 16.1 / 1.8
Southern (east coast)	Maximum temperature (°C.) Normal	30-32 30.3	29-31 29.7	30-32 30.3
	Minimum temperature (°C.) Normal	23-25 23.4	22-24 22.5	22-24 22.2
	Rainfall (mm.) / Rainy days Normal	300-400 / 15-18 357.3 / 16.3	200-250 / 11-13 236.5 / 12.1	50-70 / 6-8 59.7 / 7.2
Southern (west coast)	Maximum temperature (°C.) Normal	31-33 31.4	31-33 31.5	32-34 32.6
	Minimum temperature (°C.) Normal	23-25 23.5	23-25 23.0	23-25 22.8
	Rainfall (mm.) / Rainy days Normal	170-220 / 15-17 193.1 / 16.2	60-90 / 8-10 74.9 / 9.1	20-30 / 3-5 26.4 / 4.2
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	32-34 32.4	31-33 31.7	32-34 32.5
	Minimum temperature (°C.) Normal	23-25 23.9	22-24 22.0	22-24 22.6
	Rainfall (mm.) / Rainy days Normal	40-60 / 4-6 49.5 / 5.8	Less than 10/1-2 6.3 / 1.2	10-20 / 1-2 13.3 / 1.7

Expected rainfall, above – below normal

Parts	November 2014	December 2014	January 2015
Northern (Approximations/Normal)	Nearly normal (20–40 / 33)	Nearly normal (Less than 10 / 8)	Nearly normal (Less than 10 / 5)
Northeastern (Approximations/Normal)	Nearly normal (10-30 / 20)	Nearly normal (Less than 10 / 4)	Nearly normal (Less than 10 / 5)
Central (Approximations/Normal)	Nearly normal (30-50 / 37)	Nearly normal (Less than 10 / 5)	Nearly normal (Less than 10 / 7)
Eastern (Approximations/Normal)	Nearly normal (40-60 / 53)	Nearly normal (Less than 10 / 8)	Nearly normal (10 - 20 / 16)
Southern Part (East Coast) (Approximations/Normal)	Nearly normal (300-400 / 357)	Nearly normal (200-250 / 237)	Nearly normal (50-70 / 60)
Southern Part (West Coast) (Approximations/Normal)	Nearly normal (170-220 / 193)	Nearly normal (60-90 / 75)	Nearly normal (20-30 / 26)
Bangkok Metropolis and vicinity (Approximations/Normal)	Nearly normal (40-60 / 50)	Nearly normal (Less than 10 / 6)	Nearly normal (10 - 20 / 13)

Expected Temperature, above – below normal

Parts	November 2014	December 2014	January 2015
Northern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 20 : (31.0 / 19.5)	Slightly Above Normal 30 / 17 : (29.8 / 15.9)	Slightly Above Normal 31 / 17 : (31.1 / 15.6)
Northeastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 31 / 21 : (30.7 / 20.3)	Slightly Above Normal 30 / 18 : (29.5 / 17.1)	Slightly Above Normal 31 / 18 : (30.6 / 17.1)
Central Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 23 : (31.9 / 22.2)	Slightly Above Normal 32 / 20 : (31.4 / 19.7)	Slightly Above Normal 33 / 21 : (32.7 / 20.1)
Eastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 23 : (32.1 / 23.0)	Slightly Above Normal 33 / 22 : (31.6 / 21.2)	Slightly Above Normal 33 / 22 : (32.1 / 21.4)
Southern Part (East Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 31 / 24 : (30.3 / 23.4)	Slightly Above Normal 30 / 23 : (29.7 / 22.5)	Slightly Above Normal 31 / 23 : (30.3 / 22.2)
Southern Part (West Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 24 : (31.4 / 23.5)	Slightly Above Normal 30 / 24 : (31.5 / 23.0)	Slightly Above Normal 33 / 24 : (32.6 / 22.8)
Bangkok Metropolis and vicinity Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 24 : (32.4 / 23.9)	Slightly Above Normal 32 / 23 : (31.7 / 22.0)	Slightly Above Normal 33 / 23 : (32.5 / 22.6)

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.