



Three-Month Climate Characteristic Expectations of Thailand

During September - November 2014

Issued on 25 August 2014

Thai Meteorological Department

General Climate Characteristics

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

September: Rather active southwest monsoon will still prevail over Thailand generally. Additionally, a monsoon trough will place over the central part, the lower portion of Northeastern and eastern parts. These characteristics will contribute those areas of the upper Thailand to have densely abundant rainfall with heavy to very heavy falls. Together with flash floods, flooding situations and overflows may happen in some areas. Wind waves in the Gulf of Thailand around the eastern part are still active with 2 – 4 meters in some periods. **Then in October:** Weather will be variable as the amount and distribution of rainfall will decrease to be in the isolated to widespread criteria with heavy rainfall on some days, mostly around central and eastern parts. Cool air appears in the morning especially around the upper portion of Northern and Northeastern parts periodically. **For November:** Rather active high pressure air masses will prevail to cover the upper Thailand from time to time. At first, the area will have thunderstorms and gusts in some areas then its temperature will reduce. Especially, northern and northeastern parts will have widespread cool air while central and eastern parts will be cool in some areas in the morning.

The total rains will be nearly normal while average temperatures will be above normal.

Southern Thailand

September until the beginning of October: The active southwest monsoon still prevails over the Andaman Sea and southern Thailand from time to time causing the southern Thailand to have densely abundant rainfall especially along the western coast with heavy to very heavy falls in some areas. Flash floods, flooding situations and overflow happen in some areas with 2 – 4 meters high. Whereas wind waves in the Gulf of Thailand will be about 1 meter. **Then** the prevailing southwest monsoon over the Andaman Sea and the southern Thailand will change to be northeastern monsoon prevailing over the Gulf of Thailand and the southern Thailand. Additionally, in some periods the monsoon trough will place over the upper portion of the southern Thailand in the 2nd half of October and will place over the central portion of the southern Thailand in November. These characteristics will bring about the southern Thailand to have densely abundant rainfall especially at the eastern portion causing flash floods, flooding situations and overflows in some areas. Wind waves in the Andaman Sea will weaken with about 1 meter height, while wind waves in the Gulf of Thailand will be rougher with 2 – 4 meter height in some periods.

Mostly, the average rains will be nearly normal while average temperatures will be above normal.

*** Cautions: ***

September: Tropical cyclones often develop in the Northwestern Pacific or the South China Sea. They favor a high chance to move closer or pass the upper Thailand causing Thailand to have densely abundant rainfall with heavy to very heavy falls in many areas. Thus, flash floods, flooding situations and overflows happen in many areas. People also should follow weather news and warnings about tropical cyclones from the Thai Meteorological Department.

October and November: Tropical cyclones favor a high chance to move closer or near Thailand toward the eastern and southern parts consecutively. Consequently, the areas will have more rainfall. Moreover, flash floods, flooding situations and overflows will occur in some areas. People then should follow the weather news and warnings from the Thai Meteorological Department.

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 |

Climatological Center, Meteorological Development Bureau,
Thai Meteorological Department

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

Part	Approximations and normal of temperatures/rains/rainy days	September 2014	October 2014	November 2014
Northern	Maximum temperature (°C.) Normal	32-34 32.2	32-34 31.9	31-33 31.0
	Minimum temperature (°C.) Normal	23-25 23.5	22-24 22.5	19-21 19.5
	Rainfall (mm.) / Rainy days Normal	190-240 / 17-20 218.3 / 18.3	100-140 / 11-13 124.1 / 12.0	20-40 / 3-5 32.9 / 4.1
Northeastern	Maximum temperature (°C.) Normal	32-34 31.9	31-33 31.4	30-32 30.7
	Minimum temperature (°C.) Normal	24-26 24.0	22-24 22.8	20-22 20.3
	Rainfall (mm.) / Rainy days Normal	220-270 / 16-19 242.0 / 17.7	90-130 / 9-11 117.1 / 10.4	10-30 / 2-4 19.5 / 2.9
Central	Maximum temperature (°C.) Normal	33-35 32.9	32-34 32.4	31-33 31.9
	Minimum temperature (°C.) Normal	24-26 24.5	24-26 24.0	22-24 22.2
	Rainfall (mm.) / Rainy days Normal	230-280 / 18-21 257.3 / 19.2	160-210 / 13-15 187.1 / 14.4	30-50 / 3-5 37.1 / 4.1
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	32-34 31.9	32-34 32.0	32-34 32.1
	Minimum temperature (°C.) Normal	25-27 24.7	24-26 24.1	23-25 23.0
	Rainfall (mm.) / Rainy days Normal	300-400 / 18-21 330.1 / 19.9	190-240 / 15-18 225.1 / 16.5	40-60 / 5-7 53.3 / 5.6
Southern (east coast)	Maximum temperature (°C.) Normal	32-34 32.3	31-33 31.4	30-32 30.3
	Minimum temperature (°C.) Normal	24-26 24.1	23-25 23.8	23-25 23.4
	Rainfall (mm.) / Rainy days Normal	130-170 / 15-18 150.1 / 16.7	230-270 / 17-20 255.3 / 18.6	300-400 / 15-18 357.3 / 16.3
Southern (west coast)	Maximum temperature (°C.) Normal	31-33 31.1	31-33 31.2	31-33 31.4
	Minimum temperature (°C.) Normal	24-26 23.9	23-25 23.7	23-25 23.5
	Rainfall (mm.) / Rainy days Normal	400-500 / 20-23 423.9 / 22.4	300-400 / 20-23 366.5 / 22.8	170-220 / 15-17 193.1 / 16.2
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	32-34 32.8	32-34 32.6	32-34 32.4
	Minimum temperature (°C.) Normal	25-27 25.0	24-26 24.8	24-26 23.9
	Rainfall (mm.) / Rainy days Normal	300-400 / 19-22 334.2 / 21.1	270-320 / 16-18 292.1 / 17.5	40-60 / 4-6 49.5 / 5.8

Expected rainfall, above – below normal

Parts	September	October	November
Northern (Approximations/Normal)	Nearly normal (190–240 / 218)	Nearly normal (100–140 / 124)	Nearly normal (20–40 / 33)
Northeastern (Approximations/Normal)	Nearly normal (220-270 / 242)	Below to nearly normal (90-130 / 117)	Nearly normal (10-30 / 20)
Central (Approximations/Normal)	Nearly normal (230-280 / 257)	Nearly normal (160-210 / 187)	Nearly normal (30-50 / 37)
Eastern (Approximations/Normal)	Nearly normal (300-400 / 330)	Below to nearly normal (190-240 / 225)	Nearly normal (40-60 / 53)
Southern Part (East Coast) (Approximations/Normal)	Nearly normal (130-170 / 150)	Nearly normal (230-270 / 155)	Nearly normal (300-40 / 357)
Southern Part (West Coast) (Approximations/Normal)	Nearly normal (400-500 / 424)	Nearly normal (300-400 / 367)	Nearly normal (170-220 / 193)
Bangkok Metropolis and vicinity (Approximations/Normal)	Nearly normal (300-400 / 334)	Nearly normal (270-320 / 292)	Nearly normal (40-60 / 50)

Expected Temperature, above – below normal

Parts	September	October	November
Northern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 24 : (32.2 / 23.5)	Slightly Above Normal 33 / 23 : (31.9 / 22.5)	Slightly Above Normal 32 / 20 : (31.0 / 19.5)
Northeastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 25 : (31.9 / 24.0)	Slightly Above Normal 32 / 23 : (31.4 / 22.8)	Slightly Above Normal 31 / 21 : (30.7 / 20.3)
Central Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 34 / 25 : (32.9 / 24.5)	Slightly Above Normal 33 / 25 : (32.4 / 24.0)	Slightly Above Normal 32 / 23 : (31.9 / 22.2)
Eastern Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 26 : (31.9 / 24.7)	Slightly Above Normal 33 / 25 : (32.0 / 24.1)	Slightly Above Normal 33 / 24 : (32.1 / 23.0)
Southern Part (East Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 25 : (32.3 / 24.1)	Slightly Above Normal 32 / 24 : (31.4 / 23.8)	Slightly Above Normal 31 / 24 : (30.3 / 23.4)
Southern Part (West Coast) Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 32 / 25 : (31.1 / 23.9)	Slightly Above Normal 32 / 24 : (31.2 / 23.7)	Slightly Above Normal 32 / 24 : (31.4 / 23.5)
Bangkok Metropolis and vicinity Approximations of Max./Min.): (Normal of Max./Min.)	Slightly Above Normal 33 / 26 : (32.8 / 25.0)	Slightly Above Normal 33 / 25 : (32.6 / 24.8)	Slightly Above Normal 33 / 25 : (32.4 / 23.9)

Explanations: Nearly normal means ± 10 % of normal.

Slightly above/below normal means $\pm 10 - 25$ % of normal.

And above/below normal means \pm more than 25 % of normal.