



Three-Month Climate Characteristic Expectations of Thailand

During May - July 2015

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Thai Meteorological Department

General Climate Characteristics

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

During the 1st half of May, Which is the transition from the summer to the rainy seasons, weather disturbances occur as being generally sweltering and thunder rain on some days. Then until late June, Southwest monsoon will prevail over the Andaman Sea, Thailand and the Gulf of Thailand as being rather continuously active from time to time. For during late June until late July, The southwest monsoon prevailing over the Andaman Sea and Thailand will weaken discontinuously. Together with the monsoon trough placing over the Upper Thailand will move upward to lie across the Southern China causing Thailand to have less rain. Thus water shortage happens in many agricultural areas, especially for those repeated drought areas outside the irrigation zones. For during late July, the previously prevailing southwest monsoon will return back becoming more continuously active. Furthermore, the monsoon trough will move downward to place over the Upper Thailand again. As a result, Thailand will experience densely abundant rain as being almost widespread and heavy to very heavy rainfall in many areas.

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

Southern Thailand

During May until late June, the southwest monsoon will prevail over the Andaman Sea and Southern Thailand rather actively and continuously periodically. Consequently, the Southern Thailand will experience abundant rain as heavy rain in many areas and very heavy rain in some areas, especially at the western coast. For wind waves in the Andaman Sea will become rougher as 2 – 3 meters high in some areas, while those in the Gulf of Thailand will be about 1 meter high. Then until late July, the prevailing southwest monsoon will weaken causing less rain in the Southern Thailand and weakening coastal wind waves. For during late July, the previously prevailing southwest monsoon will return back more actively influencing the Southern Thailand experiencing densely abundant rain as heavy rainfall in many areas and very heavy rainfall in some areas, mostly on the western coast. Moreover, wind waves in the Andaman Sea will be rougher as 2 – 3 meters high while those in the Gulf of Thailand will be about 1 meter high.

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

*** Cautions: ***

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 regions including with the coastal areas of the eastern region and the west coast of the Southern Thailand.

June until July: Some tropical cyclones often develop in the western side of the Pacific Ocean and may move to the Philippines toward the South China Sea bringing about the more active southwest monsoon prevailing over Thailand and the Gulf of Thailand. Consequently, more rain happens in Thailand, especially around the coastal areas of the eastern region 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.

- Daily rainfall distribution (% area) criteria:	Isolated:	> 0 until < 20 %
Widely scattered: ≥ 20 until < 40%	Scattered:	≥ 40 until < 60 %
Almost widespread: ≥ 60 until < 80%	Widespread:	$\geq 80\%$
- 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,
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Prediction & Normal of average maximum & average minimum temperature
& average rainfall amount with average rainy days:

Part	Prediction and normal	May 2015	June 2015	July 2015
Northern	Maximum temperature (°C.) Normal	34-36 34.7	32-34 33.0	32-34 32.1
	Minimum temperature (°C.) Normal	24-26 24.2	24-26 24.3	24-26 24.0
	Rainfall (mm.) / Rainy days Normal	140-180 / 14-17 177.8 / 15.5	140-180 / 16-19 156.2 / 17.8	150-200 / 18-21 176.0 / 19.4
Northeastern	Maximum temperature (°C.) Normal	34-36 34.4	33-35 33.4	32-34 32.8
	Minimum temperature (°C.) Normal	24-26 24.8	24-26 24.9	24-26 24.6
	Rainfall (mm.) / Rainy days Normal	140-180 / 14-17 187.1 / 15.3	170-220 / 14-17 203.4 / 16.1	180-230 / 16-19 211.4 / 17.4
Central	Maximum temperature (°C.) Normal	35-37 35.2	34-36 34.0	33-35 33.4
	Minimum temperature (°C.) Normal	25-27 25.7	25-27 25.5	25-27 25.1
	Rainfall (mm.) / Rainy days Normal	140-180 / 13-16 172.1 / 14.3	120-160 / 14-17 145.2 / 15.4	130-170 / 15-18 155.5 / 16.4
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	33-35 33.7	32-34 32.8	32-34 32.2
	Minimum temperature (°C.) Normal	25-27 25.8	25-27 25.7	25-27 25.3
	Rainfall (mm.) / Rainy days Normal	180-230 / 16-19 223.9 / 15.8	240-290 / 15-18 261.5 / 16.7	250-300 / 16-19 277.5 / 17.2
Southern (east coast)	Maximum temperature (°C.) Normal	33-35 33.5	33-35 33.1	32-34 32.8
	Minimum temperature (°C.) Normal	24-26 24.9	24-26 24.7	24-26 24.4
	Rainfall (mm.) / Rainy days Normal	110-150 / 13-16 143.7 / 14.3	100-140 / 12-15 113.0 / 13.7	100-140 / 12-15 118.9 / 14.5
Southern (west coast)	Maximum temperature (°C.) Normal	32-34 32.7	31-33 32.0	31-33 31.7
	Minimum temperature (°C.) Normal	24-26 24.6	24-26 24.6	24-26 24.3
	Rainfall (mm.) / Rainy days Normal	270-320 / 18-21 310.1 / 19.9	280-330 / 18-21 312.4 / 18.9	300-400 / 18-21 336.5 / 19.8
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	34-36 34.4	33-35 33.6	33-35 33.2
	Minimum temperature (°C.) Normal	26-28 26.3	26-28 26.1	25-27 25.7
	Rainfall (mm.) / Rainy days Normal	200-250 / 15-18 247.7 / 16.2	140-180 / 15-18 157.1 / 16.2	150-200 / 16-19 175.1 / 17.1

Expected rainfall, near or above or below normal:

Parts	May 2015	June 2015	July 2015
Northern (Prediction/Normal)	Slightly below normal (140-180 / 178)	Near normal (140-180 / 156)	Near normal (150-200 / 176)
Northeastern (Prediction/Normal)	Slightly below normal (140-180 / 187)	Near normal (170-220 / 203)	Near normal (180-230 / 211)
Central (Prediction/Normal)	Slightly below normal (140-180 / 172)	Near normal (120-160 / 145)	Near normal (130-170 / 156)
Eastern (Prediction/Normal)	Slightly below normal (180-230 / 224)	Near normal (240-290 / 262)	Near normal (250-300 / 278)
Southern Part (East Coast) (Prediction/Normal)	Slightly below normal (110-150 / 144)	Slightly below normal (100-140 / 113)	Slightly below normal (100-140 / 119)
Southern Part (West Coast) (Prediction/Normal)	Slightly below normal (270-320 / 310)	Slightly below normal (280-330 / 312)	Slightly below normal (300-400 / 337)
Bangkok Metropolis and vicinity (Prediction/Normal)	Slightly below normal (200-250 / 248)	Near normal (140-180 / 157)	Near normal (150-200 / 175)

Expected temperature, near or above or below normal:

Parts	May 2015	June 2015	July 2015
Northern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 35 / 25 (34.7 / 24.2)	Slightly above Normal 33 / 25 (33.0 / 24.3)	Slightly above Normal 33 / 25 (32.1 / 24.0)
Northeastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 35 / 25 (34.4 / 24.8)	Slightly above Normal 34 / 25 (33.4 / 24.9)	Slightly above Normal 33 / 25 (32.8 / 24.6)
Central Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 36 / 26 (35.2 / 25.7)	Slightly above Normal 35 / 26 (34.0 / 25.5)	Slightly above Normal 34 / 26 (33.4 / 25.1)
Eastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 26 (33.7 / 25.8)	Slightly above Normal 33 / 26 (32.8 / 25.7)	Slightly above Normal 33 / 26 (32.2 / 25.3)
Southern Part (East Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 25 (33.5 / 24.9)	Slightly above Normal 34 / 25 (33.1 / 24.7)	Slightly above Normal 33 / 25 (32.8 / 24.4)
Southern Part (West Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 25 (32.7 / 24.6)	Slightly above Normal 32 / 25 (32.0 / 24.6)	Slightly above Normal 32 / 25 (31.7 / 24.3)
Bangkok Metropolis and vicinity Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 35 / 27 (34.4 / 26.3)	Slightly above Normal 34 / 27 (33.6 / 26.1)	Slightly above Normal 34 / 26 (33.2 / 25.7)

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.