



Three-Month Climate Characteristic Expectations of Thailand

During June - August 2015

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Thai Meteorological Department

General Climate Characteristics

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

During the beginning and the middle of June, rather active southwest monsoon still prevails over the Andaman Sea, Thailand and the Gulf of Thailand from time to time. Additionally, a monsoon trough will place over the Upper Thailand during some periods. As a result, the Upper Thailand will experience more abundant rainfall as heavy to very heavy rain in some areas. Furthermore, wind waves in the Gulf of Thailand and the Eastern part will be more active. Then until about the 3rd week of July, the prevailing southwest monsoon over the Andaman Sea and Thailand will weaken and the monsoon trough placing over the Upper Thailand will move upward to the Southern China. Thus, Thailand will experience less rain bringing about water shortage in some agricultural areas, especially for those areas outside irrigation zones. For during about late July until August, the prevailing southwest monsoon over the Andaman Sea and Thailand will become more active again periodically. Additionally, the monsoon trough will move downward to place over the Upper Thailand again. Thus, the Upper Thailand will experience more densely abundant rainfall as almost widespread rain and heavy to very heavy rain in many areas. As a result, flash flood, forest flood and overflows will happen in some areas while wind waves in the Gulf of Thailand around the eastern part will be active with 2 – 4 meters in some periods.

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

Southern Thailand

During the beginning and the middle of June, rather active southwest monsoon still prevails over the Andaman Sea and Southern Thailand periodically causing the Southern Thailand to experience abundant rainfall with heavy rain in many areas and very heavy rain in some areas, especially at the western coast. While wind waves in the Andaman Sea will be more active with 2 – 3 meters high in some periods whereas those in the Gulf of Thailand will be about 1 meter high. Then until about the 3rd week of July, the prevailing southwest monsoon will weaken bringing about less rain in the Southern Thailand and also wind waves in the Sea will weaken. For during about late July until August, the prevailing southwest monsoon will become back as being more active periodically causing the Southern Thailand to experience densely abundant rainfall as heavy rain in many areas and very heavy rain in some areas, mostly around the western coast. Thus, flash flood and forest flood may appear in some areas. While wind waves in the Andaman Sea will be more active as being 2 – 4 meters high in some periods whereas those in the Gulf of Thailand will be about 1 meter high.

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

***** Cautions: *****

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).

August: Some tropical cyclones often develop in the western side of the Pacific Ocean or the South China Sea and may favor a high chance to move near or pass the Upper Thailand. Thus Thailand will experience densely abundant rainfall as heavy to very heavy rain in many areas. Consequently, flash flood, forest flood and overflows may occur in many areas.

Remarks: - Normal mean averages of the 30-year period during B.E. 2524 – 2553 or A.D. 1981 – 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

Prediction & Normal of average maximum & average minimum temperature
& average rainfall amount with average rainy days:

Part	Prediction and normal	June 2015	July 2015	August 2015
Northern	Maximum temperature (°C.) Normal	32-34 33.0	32-34 32.1	31-33 31.8
	Minimum temperature (°C.) Normal	24-26 24.3	24-26 24.0	23-25 23.8
	Rainfall (mm.) / Rainy days Normal	140-180 / 16-19 156.2 / 17.8	150-200 / 18-21 176.0 / 19.4	200-250 / 19-22 223.0 / 21.0
Northeastern	Maximum temperature (°C.) Normal	33-35 33.4	32-34 32.8	32-34 32.2
	Minimum temperature (°C.) Normal	24-26 24.9	24-26 24.6	24-26 24.4
	Rainfall (mm.) / Rainy days Normal	170-220 / 14-17 203.4 / 16.1	180-230 / 16-19 211.4 / 17.4	240-290 / 18-21 266.2 / 19.4
Central	Maximum temperature (°C.) Normal	34-36 34.0	33-35 33.4	33-35 33.1
	Minimum temperature (°C.) Normal	25-27 25.5	25-27 25.1	25-27 25.0
	Rainfall (mm.) / Rainy days Normal	120-160 / 14-17 145.2 / 15.4	130-170 / 15-18 155.5 / 16.4	160-210 / 17-20 181.1 / 18.2
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	32-34 32.8	32-34 32.2	32-34 32.0
	Minimum temperature (°C.) Normal	25-27 25.7	25-27 25.3	25-27 25.3
	Rainfall (mm.) / Rainy days Normal	240-290 / 15-18 261.5 / 16.7	250-300 / 16-19 277.5 / 17.2	280-330 / 17-20 302.5 / 18.4
Southern (east coast)	Maximum temperature (°C.) Normal	33-35 33.1	32-34 32.8	32-34 32.7
	Minimum temperature (°C.) Normal	24-26 24.7	24-26 24.4	24-26 24.4
	Rainfall (mm.) / Rainy days Normal	100-140 / 12-15 113.0 / 13.7	100-140 / 12-15 118.9 / 14.5	100-140 / 14-16 124.1 / 15.4
Southern (west coast)	Maximum temperature (°C.) Normal	31-33 32.0	31-33 31.7	31-33 31.5
	Minimum temperature (°C.) Normal	24-26 24.6	24-26 24.3	24-26 24.4
	Rainfall (mm.) / Rainy days Normal	280-330 / 18-21 312.4 / 18.9	300-400 / 18-21 336.5 / 19.8	350-450 / 19-22 398.5 / 20.5
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	33-35 33.6	33-35 33.2	33-35 32.9
	Minimum temperature (°C.) Normal	26-28 26.1	25-27 25.7	25-27 25.5
	Rainfall (mm.) / Rainy days Normal	140-180 / 15-18 157.1 / 16.2	150-200 / 16-19 175.1 / 17.1	190-240 / 17-20 219.3 / 19.1

Expected rainfall, near or above or below normal:

Parts	June 2015	July 2015	August 2015
Northern (Prediction/Normal)	Near normal (140-180 / 156)	Near normal (150-200 / 176)	Near normal (200-250 / 223)
Northeastern (Prediction/Normal)	Near normal (170-220 / 203)	Near normal (180-230 / 211)	Near normal (240-290 / 266)
Central (Prediction/Normal)	Near normal (120-160 / 145)	Near normal (130-170 / 156)	Near normal (160-210 / 181)
Eastern (Prediction/Normal)	Near normal (240-290 / 262)	Near normal (250-300 / 278)	Near normal (280-330 / 303)
Southern Part (East Coast) (Prediction/Normal)	Near normal (100-140 / 113)	Near normal (100-140 / 119)	Near normal (100-140 / 124)
Southern Part (West Coast) (Prediction/Normal)	Near normal (280-330 / 312)	Near normal (300-400 / 337)	Near normal (350-450 / 399)
Bangkok Metropolis and vicinity (Prediction/Normal)	Near normal (140-180 / 157)	Near normal (150-200 / 175)	Near normal (190-240 / 219)

Expected temperature, near or above or below normal:

Parts	June 2015	July 2015	August 2015
Northern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 25 (33.0 / 24.3)	Slightly above Normal 33 / 25 (32.1 / 24.0)	Slightly above Normal 32 / 24 (31.8 / 23.8)
Northeastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 25 (33.4 / 24.9)	Slightly above Normal 33 / 25 (32.8 / 24.6)	Slightly above Normal 33 / 25 (32.2 / 24.4)
Central Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 35 / 26 (34.0 / 25.5)	Slightly above Normal 34 / 26 (33.4 / 25.1)	Slightly above Normal 34 / 26 (33.1 / 25.0)
Eastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 26 (32.8 / 25.7)	Slightly above Normal 33 / 26 (32.2 / 25.3)	Slightly above Normal 33 / 26 (32.0 / 25.3)
Southern Part (East Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 25 (33.1 / 24.7)	Slightly above Normal 33 / 25 (32.8 / 24.4)	Slightly above Normal 33 / 25 (32.7 / 24.4)
Southern Part (West Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 32 / 25 (32.0 / 24.6)	Slightly above Normal 32 / 25 (31.7 / 24.3)	Slightly above Normal 32 / 25 (31.5 / 24.4)
Bangkok Metropolis and vicinity Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 27 (33.6 / 26.1)	Slightly above Normal 34 / 26 (33.2 / 25.7)	Slightly above Normal 34 / 26 (32.9 / 25.5)

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.