



Three-Month Climate Characteristic Expectations of Thailand

During July - September 2015

Issued on 24 June 2015

Thai Meteorological Department

General Climate Characteristics

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

During the first 3 weeks of July, mostly weak southwest monsoon still prevails over the Andaman Sea and Thailand causing Thailand to experience little rain. Thus, water shortage occurs in many agricultural areas, especially for those outside irrigation zones. Then during late July until September, the prevailing southwest monsoon over the Andaman Sea and Thailand will moderately strengthen periodically. Additionally, a monsoon trough will place over the Upper Thailand from time to time. These characteristics will influence the Upper Thailand experiencing densely abundant rain as almost widespread rainfall with heavy rains on many areas and very heavy rains on some areas. As a result, flash flood, forest flood and over-flows happen in some areas. Together with wind waves in the Gulf of Thailand around the eastern part will be more active as 2 – 3 meters height during some periods.

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

Southern Thailand

During the first 3 weeks of July, mostly weak southwest monsoon still prevails over the Andaman Sea and Thailand causing Thailand to experience little rain. Wind waves in the Andaman Sea and the Gulf of Thailand will weaken as 1 – 2 meters height. Then during late July until September, the prevailing southwest monsoon will strengthen periodically influencing Southern Thailand experiencing densely abundant rain as heavy rains on many areas and very heavy rains on some areas, mostly along the western coast. Consequently, flash flood and forest flood appear in some areas. While wind waves in the Andaman Sea will be rougher as 2 - 4 meters height during some periods whereas those in the Gulf of Thailand will be 1 – 2 meters height.

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

*** Cautions: ***

July: Tropical cyclones will often develop in the Northwestern Pacific and may move pass the Philippines toward the South China Sea influencing the prevailing southwest monsoon over Thailand and the Gulf of Thailand strengthening. Thus, Thailand will experience more rain, especially around coastal areas of the eastern part and the Southern Thailand (west coast).

August and September: Tropical cyclones will often develop in the Northwestern Pacific or the South China Sea. They favor a high chance of moving near or pass the Upper Thailand influencing Thailand experiencing densely abundant rainfall with heavy to very heavy rains on many areas. As a result, flash flood, forest flood and over-flows appear in many areas. Thus, the public should follow weather forecast news and tropical cyclone warnings from the Thai Meteorological Department.

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: >= 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	July 2015	August 2015	September 2015
Northern	Maximum temperature (°C.) Normal	32-34 32.1	31-33 31.8	32-34 32.2
	Minimum temperature (°C.) Normal	24-26 24.0	23-25 23.8	23-25 23.5
	Rainfall (mm.) / Rainy days Normal	150-200 / 18-21 176.0 / 19.4	200-250 / 19-22 223.0 / 21.0	190-240 / 17-20 218.3 / 18.3
Northeastern	Maximum temperature (°C.) Normal	32-34 32.8	32-34 32.2	31-33 31.9
	Minimum temperature (°C.) Normal	24-26 24.6	24-26 24.4	24-26 24.0
	Rainfall (mm.) / Rainy days Normal	180-230 / 16-19 211.4 / 17.4	240-290 / 18-21 266.2 / 19.4	220-270 / 16-19 242.0 / 17.7
Central	Maximum temperature (°C.) Normal	33-35 33.4	33-35 33.1	32-34 32.9
	Minimum temperature (°C.) Normal	25-27 25.1	25-27 25.0	24-26 24.7
	Rainfall (mm.) / Rainy days Normal	130-170 / 15-18 155.5 / 16.4	160-210 / 17-20 181.1 / 18.2	230-280 / 18-21 257.3 / 19.2
Eastern (including coastal areas)	Maximum temperature (°C.) Normal	32-34 32.2	32-34 32.0	31-33 31.9
	Minimum temperature (°C.) Normal	25-27 25.3	25-27 25.3	24-26 24.7
	Rainfall (mm.) / Rainy days Normal	250-300 / 16-19 277.5 / 17.2	280-330 / 17-20 302.5 / 18.4	300-400 / 18-21 330.1 / 19.9
Southern (east coast)	Maximum temperature (°C.) Normal	32-34 32.8	32-34 32.7	32-34 32.3
	Minimum temperature (°C.) Normal	24-26 24.4	24-26 24.4	24-26 24.1
	Rainfall (mm.) / Rainy days Normal	100-140 / 12-15 118.9 / 14.5	100-140 / 14-16 124.1 / 15.4	130-170 / 15-18 149.8 / 16.7
Southern (west coast)	Maximum temperature (°C.) Normal	31-33 31.7	31-33 31.5	31-33 31.1
	Minimum temperature (°C.) Normal	24-26 24.3	24-26 24.4	23-25 23.9
	Rainfall (mm.) / Rainy days Normal	300-400 / 18-21 336.5 / 19.8	350-450 / 19-22 398.5 / 20.5	400-500 / 20-23 423.7 / 22.4
Bangkok Metropolis and vicinity	Maximum temperature (°C.) Normal	33-35 33.2	33-35 32.9	32-34 32.8
	Minimum temperature (°C.) Normal	25-27 25.7	25-27 25.5	25-27 25.0
	Rainfall (mm.) / Rainy days Normal	150-200 / 16-19 175.1 / 17.1	190-240 / 17-20 219.3 / 19.1	300-400 / 19-22 334.3 / 21.1

Expected rainfall, near or above or below normal:

Parts	July 2015	August 2015	September 2015
Northern (Prediction/Normal)	Near normal (150-200 / 176)	Near normal (200-250 / 223)	Near normal (190-240 / 218)
Northeastern (Prediction/Normal)	Near normal (180-230 / 211)	Near normal (240-290 / 266)	Near normal (220-270 / 242)
Central (Prediction/Normal)	Near normal (130-170 / 156)	Near normal (160-210 / 181)	Near normal (230-280 / 257)
Eastern (Prediction/Normal)	Near normal (250-300 / 278)	Near normal (280-330 / 303)	Near normal (300-400 / 330)
Southern Part (East Coast) (Prediction/Normal)	Near normal (100-140 / 119)	Near normal (100-140 / 124)	Near normal (130-170 / 150)
Southern Part (West Coast) (Prediction/Normal)	Near normal (300-400 / 337)	Near normal (350-450 / 399)	Near normal (350-450 / 424)
Bangkok Metropolis and vicinity (Prediction/Normal)	Near normal (150-200 / 175)	Near normal (190-240 / 219)	Near normal (300-400 / 334)

Expected temperature, near or above or below normal:

Parts	July 2015	August 2015	September 2015
Northern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 25 (32.1 / 24.0)	Slightly above Normal 32 / 24 (31.8 / 23.8)	Slightly above Normal 33 / 24 (32.2 / 23.5)
Northeastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 25 (32.8 / 24.6)	Slightly above Normal 33 / 25 (32.2 / 24.4)	Slightly above Normal 32 / 25 (31.9 / 24.0)
Central Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 26 (33.4 / 25.1)	Slightly above Normal 34 / 26 (33.1 / 25.0)	Slightly above Normal 33 / 25 (32.9 / 24.7)
Eastern Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 26 (32.2 / 25.3)	Slightly above Normal 33 / 26 (32.0 / 25.3)	Slightly above Normal 32 / 25 (31.9 / 24.7)
Southern Part (East Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 33 / 25 (32.8 / 24.4)	Slightly above Normal 33 / 25 (32.7 / 24.4)	Slightly above Normal 33 / 25 (32.3 / 24.1)
Southern Part (West Coast) Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 32 / 25 (31.7 / 24.3)	Slightly above Normal 32 / 25 (31.5 / 24.4)	Slightly above Normal 32 / 24 (31.1 / 23.9)
Bangkok Metropolis and vicinity Prediction of Max./Min.): (Normal of Max./Min.)	Slightly above Normal 34 / 26 (33.2 / 25.7)	Slightly above Normal 34 / 26 (32.9 / 25.5)	Slightly above Normal 33 / 26 (32.8 / 25.0)

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.