



Three-month climate characteristic expectation of Thailand

January – March 2016

Ministry of Information and Communication Technology

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Thai Meteorological Department

General Climate Characteristics:

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

During January: Mostly, rather active high pressure air mass areas from China will still prevail over the Upper Thailand from time to time continuously. Thus, northern and northeastern parts will be generally cool or cold, especially at the upper portion; thick fog also appears at some areas on some days. While central and eastern parts will be cool generally and cold weather happens at some areas, mostly at the upper portion of the parts; thick fog happens at some areas on some days too. For mount tops and mountainous areas, cold to very cold weather appears and frost may occur on some days with thick fog at some areas.

Then during February: Weather disturbances will occur, thunder rain happens at many areas on some days. Whereas high pressure air mass areas from China will still prevail over the Upper Thailand periodically, but they will weaken discontinuously. As a result, warmer air happens with thick fog at many areas. Also, hot weather happens at day time, mostly during the 2nd half of the month. However, various areas of the northern and northeastern parts will still be cool in the morning.

During March: Weakening high pressure air mass areas will still prevail over the upper portion of both of the northern and northeastern parts from time to time, together with southerly or southeasterly wind will prevail over the Upper Thailand almost all of the month. Consequently, the Upper Thailand will be sweltering generally with very hot weather at many areas on some days, especially at the 2nd half of this month. Maximum temperature may be as high as 43–44 °C. Furthermore, thunder rain occurring at many areas during some periods helps reduce the hot weather.

Total rainfall will be near normal whereas mean temperature will be above normal.

The Southern Thailand

During the 1st half of January: Weakening northeastern monsoon prevailing over the Gulf of Thailand and the Southern Thailand causes the Southern Thailand to experience less rain as widely scattered to scattered rainfall with heavy rain at some areas, mostly at the eastern coast. While wind waves in the Gulf of Thailand will be rather active as 2 – 3 meters high during some periods, whereas those in the Andaman Sea will be about 1 meter high.

Then during the 2nd half of January until March: The northeastern monsoon prevailing over the Gulf of Thailand and the Southern Thailand will change its direction to be easterly or southeasterly influencing less rain and day-time hot weather to appear at the Southern Thailand. Moreover, wind waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high.

Total rainfall will be slightly below normal whereas mean temperature will be slightly above normal.

*** Cautions: ***

January and February: Westerly wind waves from Myanmar direction may move across the Upper Thailand influencing the area to experience thunder rain, gust and possible hails at some areas.

March: Summer thunderstorms happening often as thunder rain, gust and possible hails at some areas may cause property and agricultural damage. Then, the public should follow the weather forecast news from the Thai Meteorological Department closely further.

Remarks: - Normal means average during the 30-year period (A.D. 1981 – 2010 or B.E. 2524 – 2553)

- These long range expectations are utilized by applying some climatic models and statistical methods, the public then should follow the daily weather news from the Thai Meteorological Department further.
- The next 3-month climate expectations will be at the last week of February 2016.
- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: 02-398-9929
- Please follow monthly climate, 3-month climate and seasonal forecasts at www.tmd.go.th/en/ at the climate tab.

Climatological Center,
Meteorological Development Bureau,
Thai Meteorological Department,
Ministry of Information and Communication Technology

Rain amount (millimeters) & rainy day (days) prediction – comparing with normal:

Parts	prediction									normal					
	January			February			March			January		February		March	
	Rain amount	Days	Comparing with normal	Rain amount	Days	Comparing with normal	Rain amount	Days	Comparing with normal	Rain amount	Days	Rain amount	Days	Rain amount	Days
Northern	10-20 mm	2-3	Slightly above normal	5-15 mm	1-2	Near normal	20-40 mm	2-4	Near normal	4.6	1.0	10.4	1.4	28.1	3.1
Northeastern	Less than 10 mm	1-2	Near normal	10-20 mm	2-3	Near normal	30-50 mm	4-6	Near normal	4.8	1.1	18.5	2.5	44.7	4.8
Central	Less than 10 mm	1-2	Near normal	10-20 mm	2-3	Near normal	30-50 mm	3-5	Near normal	6.7	1.1	12.3	1.6	36.0	3.4
Eastern	10-20 mm	2-3	Near normal	20-40 mm	3-4	Near normal	50-80 mm	4-6	Near normal	16.1	1.8	29.1	3.1	62.1	5.4
Southern (East Coast)	40-60 mm	5-8	Slightly below normal	20-40 mm	3-5	Slightly below normal	50-80 mm	4-6	Near normal	59.7	7.2	34.5	3.7	68.4	5.4
Southern (West Coast)	15-30 mm	3-5	Slightly below normal	15-30 mm	3-5	Slightly below normal	70-100 mm	6-9	Near normal	26.4	4.2	27.5	3.6	88.8	7.6
Bangkok and Vicinity	10-20 mm	2-3	Near normal	15-30 mm	2-3	Near normal	30-50 mm	2-4	Near normal	13.3	1.7	20.0	2.5	42.1	3.6

Mean maximum and minimum temperature (° C) prediction comparing with normal:

Parts	Expectation									Normal					
	January			February			March			January		February		March	
	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Comparing with normal	Mean Max.	Mean Min.	Mean Max.	Mean Min.	Mean Max.	Mean Min.
Northern	31-33	16-18	Above normal	34-36	18-20	Above normal	36-38	21-23	Above normal	31.1	15.6	33.7	17.2	36.1	20.4
Northeastern	31-33	17-19	Above normal	33-35	20-22	Above normal	35-37	23-25	Above normal	30.6	17.1	33.0	19.7	35.1	22.4
Central	33-35	21-23	Above normal	35-37	23-25	Above normal	36-38	25-27	Above normal	32.7	20.6	34.6	22.6	36.1	24.4
Eastern	32-34	22-24	Above normal	33-35	24-26	Above normal	34-36	25-27	Above normal	32.1	21.4	32.9	23.4	33.8	24.9
Southern (East Coast)	30-32	22-24	Slightly above normal	31-33	23-25	Slightly above normal	32-34	24-26	Slightly above normal	30.3	22.2	31.4	22.7	32.6	23.7
Southern (West Coast)	32-34	22-24	Slightly above normal	34-36	23-25	Slightly above normal	34-36	24-26	Slightly above normal	32.6	22.8	33.8	23.0	34.4	23.7
Bangkok and Vicinity	33-35	23-25	Above normal	34-36	25-27	Above normal	35-37	26-28	Above normal	32.5	22.6	33.3	24.4	34.3	25.9