



Thai Meteorological Department
Ministry of Digital Economy and Society

The seasonal forecast of Thailand during the 2017 – 2018 winter Issued on 26 September 2017

Weather characteristic prediction for the coming winter of Thailand About middle October 2017 until middle February 2018:

This coming winter season of 2017 – 2018 follows that

- The upper Thailand, winter season will start about middle 3th week of October 2017 and finish at about middle February 2018.

- Mean minimum temperature in upper Thailand is slightly above normal around 20-21 °C (normal value 19.9 °C) but colder than that of the last year (last year value 21.7 °C). The extreme minimum temperature of Thailand is around 7-8 °C in upper portion of Northern and Northeastern parts. While Bangkok Metropolis and neighbor provinces, the extreme minimum temperature is around 15-16 °C.

- The coldest period is during the 2nd half of December till the end of January.

- The mountain tops and mountainous areas will face up cold to very cold weather with possible frost.

- The Southern Thailand is cool mostly at the upper portion of the part and still faces up to dense rainfall mostly in November and December, especially at the eastern coast from Chumphon province downward. In other words, the Southern Thailand will face up to heavy rain at many areas and very heavy rain at some areas. Cause flash flood overflowing at some areas. Whereas wind waves in the Gulf of Thailand will be active from time to time at 2 – 4 meters high while those in the Andaman Sea are 1 – 2 meters high.

General Climatic Characteristics

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

During the 2nd half of October till the end of November, mostly cool weather and cold weather at some areas in northern and northeastern parts, while cool weather in many areas in central and eastern parts. Occurs thunder rains in many areas on some days and maybe gusty winds at some areas. Due to, the northeastern monsoon prevailing over Thailand almost all of time together with high pressure air mass areas from China will extend to cover Thailand periodically.

Then until the end of January, The weather will be colder. Mostly cool to cold weather and very cold weather at some areas in some days, especially the upper portion of northern and northeastern parts. For mountain tops and mountainous areas cold to very cold weather with possible frost will occur. Due to the northeastern monsoon prevailing over Thailand continuously, together with active high pressure air mass areas from China will extend to cover Thailand periodically and continuously.

Later, at the 1st half of February, the weather conditions will variability. Warmer weather with thick fog at many areas including with hot weather at many areas during day time, while morning cold or cool weather occurs at the northern and northeastern parts. Due to of weakening high pressure air mass areas over the Upper Thailand.

Southern Thailand

From the second half of October until early January, dense rainfall around 60 – 80% of the areas with heavy rain at many areas and very heavy rain at some areas, especially at the eastern coast from Chumphon province downward. Thus, flash flood may overflow in some areas. For wind waves in the Gulf of Thailand will be active from time to time at 2 – 4 meters high while in the Andaman Sea are 1 – 2 meters high. Since active northeastern monsoon prevails over the Gulf of Thailand and the Southern Thailand periodically, especially in November and December. Additionally, the monsoon trough will place over the upper, central and lower portions of the Southern Thailand in October, November and December consecutively. Moreover, some tropical cyclones are highly possible to move near or through the Southern Thailand further.

Then till the 1st half of February, the amount and distribution of rainfall will reduce. Due to northeastern monsoon that prevailing over the Gulf of Thailand and the Southern Thailand will weaken and changing to be eastern or southeastern winds prevailing over instead.

Details of each part are as follows:

Northern and Northeastern part:

During the second half of October until end of November, mostly cool weather with very cold weather at many areas especially at the upper portion, morning fog happens with thunder rains in many areas in some days and maybe gusty winds at some areas.

During December until end of January, The weather will be colder. Mostly cool to cold weather and very cold weather at some areas in some days especially the upper portion such as Chiang Rai, Lampang, Phayao, Nan, Loei, Sakon Nakhon and Nakhon Phanom provinces, thick fog at many areas at some periods. For mountain tops and mountainous areas, cold to very cold weather happens with frost occurring at some periods.

Then until the middle of February, the weather conditions will variability. Warmer weather with thick fog occurs at many areas. Thunder rains in many areas, and hot weather happens at many areas during day time but morning cold or cool weather still appears.

Central and Eastern parts:

During second half of October till end of November, cool weather occurs in many areas with cold weather at some areas, specifically at the upper portion. Together with morning fog appears and thunder rains in many areas in some days and maybe gusty winds at some areas.

Then from December to January, mostly cool weather with cold weather at many areas in some days especially at the upper portion and around the mountainous areas, including thick fog at many areas at some periods.

Then till middle of February, the weather conditions will variability. Warmer weather occurs with thick fog at many areas. Hot weather appears at day time while the upper portion and mountainous areas are still cool in the morning.

Southern Thailand - Eastern Coast (The Gulf of Thailand side):

During second half of October till early January, dense rainfall with thunder rains happen at 60 – 80% of the areas with heavy rain at many areas and very heavy rain at some areas, especially during November and December, mostly from Chumphon province downward. Consequently, flash flood will overflow at some areas. For wind waves in the Gulf of Thailand, they will be 2 – 4 meters high at some periods.

Afterward till middle of February, the amount and distribution of rainfall will lessen. However, the lower portion of the part still faces up to rainfall at 30 – 40% of the area with heavy rain at some areas on some days.

Southern Thailand – Western Coast (The Andaman Sea):

During second half of October till November, thunder rains happen at 40 – 60% of the area while wind waves in the Andaman Sea will be 1 – 2 meters high.

Then until middle of February, the amount and distribution of rainfall will reduce 10% of the area .

Bangkok Metropolis and neighbor provinces:

During second half of October till end of November, cool weather in some areas on some days with thunder rains at 30 – 40% of the area.

Then in December and January, Mostly cool weather and cold weather at some areas on some days with thick fog in some areas at some periods.

Then until middle of February, the weather conditions will variability. Warmer weather starts to appear but cool weather at some areas on some days, and hot weather at day time.

Cautions:

1. During October, the central and eastern parts still face up to continuous rainfall. Additionally, high tides will occur at some periods causing flash flood to overflow at some areas.
2. In November and December, active low pressure air mass cells develop in the lower portion of the South China Sea. Then, they strengthen to become tropical cyclones (depressions, tropical storms or typhoons) and are highly possible to move pass the Gulf of Thailand toward the Southern Thailand. As a result, the Southern Thailand will face up to rainfall occurring widely with heavy to very heavy rain at many areas. Furthermore, wind waves around the Gulf of Thailand are actively windy at 2 – 4 meters high. Thus, the public should follow the weather forecast news from the Thai Meteorological Department closely further.
3. During December and January, frost may occur at mountain tops or mountainous areas with thick fog at many areas, specifically at the northern and northeastern parts. Thus, the public should be cautious with road accidents.
4. During January and February, westerly wind waves may pass from Myanmar through the Upper Thailand causing thunder rain and gusty wind to occur and possible hail at some areas.

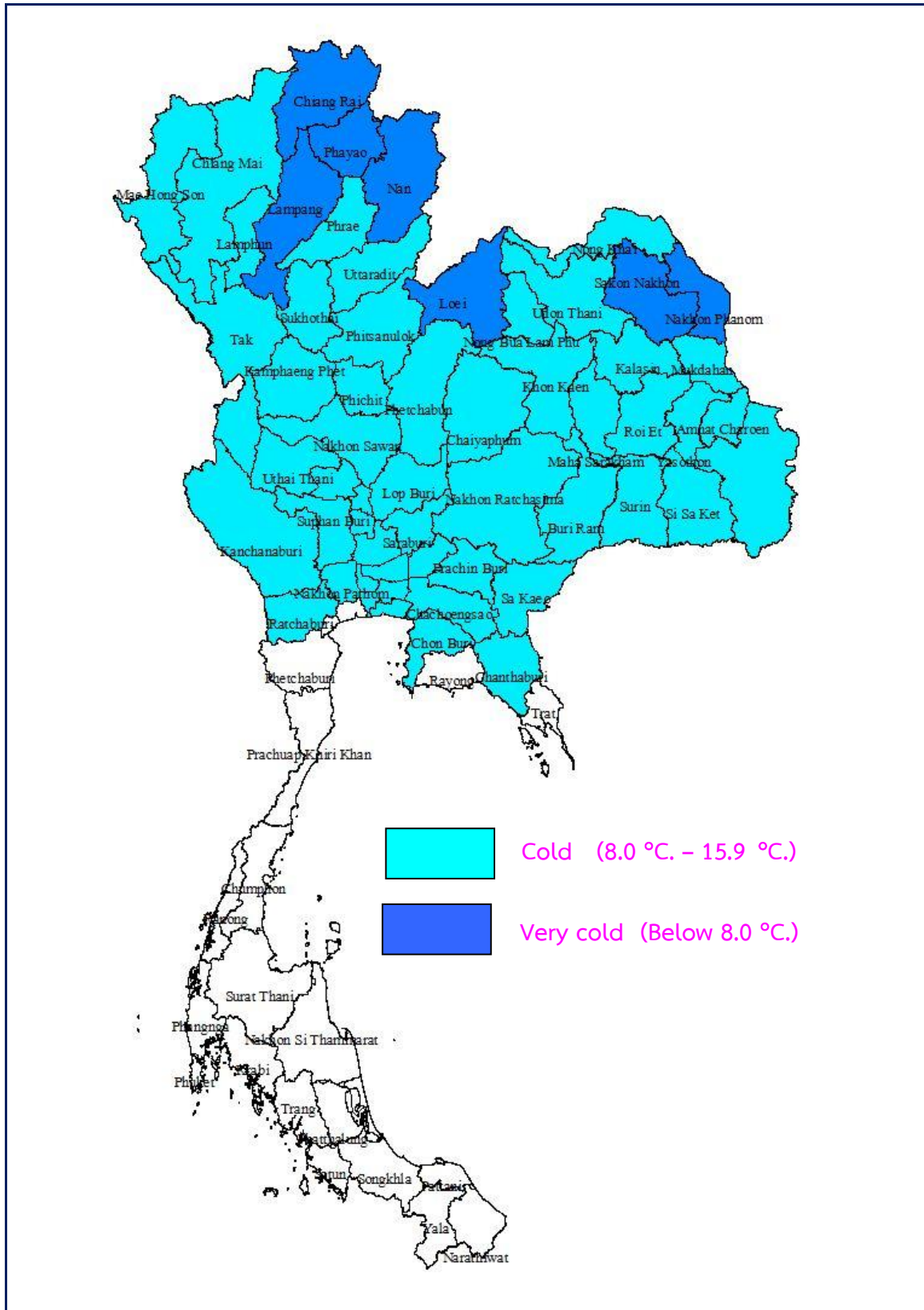
Remarks:

- Daily minimum temperature criteria for the winter season:

Cool air	=	16.0 - 22.9 ° C.
Cold air	=	8.0 - 15.9 ° C.
Very cold air	=	below 8.0 ° C.
- These long rang climate expectation is derived from utilizing statistical methods and climate model analyses.
- This expectation will be updated at the last week of October 2017.
- Monthly or seasonal climate forecast can be enquired at Tel: 02-398-9929 or Fax: 02-383-8827
- Please follow weather forecast news and climate forecasts at www.tmd.go.th or at www.tmd.go.th/en: climate tab.

Climatological Center, Meteorological Development Bureau
Thai Meteorological Department
September 2017

Map for possible areas for cold to very cold air
In December 2017 – January 2018



Notes:

1. This map is for the long range prediction purpose. Thus, please follow up daily weather forecast news further for more accuracy.
2. This map does not include mountain top and mountainous area data.

Mean minimum temperature and rainfall prediction for each part of Thailand during the winter of 2017 – 2018

Regions	November2017	December2017	January 2018	February 2018	
				First half	Second half
Northern	Upper 18-20 °C. With 10% rainfall of the area	15-17 °C. With slightly rain in some area	14-16 °C. With slightly rain in some area	15-17 °C. With slightly rain in some area	17-19 °C. With slightly rain in some area
	Lower 20-22 °C.	17-19 °C.	16-18 °C.	17-19 °C.	19-21 °C.
Northeastern	Upper 19-21 °C. With 10% rainfall of the area	16-18 °C. With slightly rain in some area	15-17 °C. With slightly rain in some area	16-18 °C. With slightly rain in some area	18-20 °C. With slightly rain in some area
	Lower 21-23 °C.	18-20 °C.	17-19 °C.	18-20 °C.	20-22 °C.
Central	22-24 °C. With 10-20% rainfall of the area	20-22 °C. With slightly rain in some area	19-21 °C. With slightly rain in some area	21-23 °C. With slightly rain in some area	22-24 °C. With slightly rain in some area
East	23-25 °C. With 20-30% rainfall of the area	21-23 °C. With slightly rain in some area	20-22 °C. With slightly rain in some area	21-23 °C. With 10% rainfall of the area	22-24 °C.
Southern Thailand (East coast)	23-25 °C. With 60-80% thunder rain of the area, mostly from the Chumporn province downward	22-24 °C. With 60-80% thunder rain of the area, mostly from the Surat Tani province downward	21-23 °C. With 30-40% thunder rain of the area, mostly around the lower portion	21-23 °C. With 10-20% rainfall of the area, mostly around the lower portion	
Southern Thailand (West coast)	23-25 °C. With 40-60% thunder rain rainfall of the area	22-24 °C. With 20-30% rainfall of the area.	22-24 °C. With 10% rainfall of the area	22-24 °C. With 10% rainfall of the area	
Bangkok Metropolis and Vicinity	24-26 °C. With 20-30% rainfall of the area	22-24 °C. With slightly rain in some area	21-23 °C. With slightly rain in some area	22-24 °C. With 10% rainfall of the area	23-25 °C.

Extreme minimum temperature statistic and prediction during December 2017 – January 2018

	December					January				
	Extreme minimum temperature (1951-2016)			Extreme minimum temperature in 2016 (°C.)	Ext. minimum temperature forecast in 2017 (°C.)	Extreme minimum temperature (1951-2016)			Extreme minimum temperature in 2017 (°C.)	Ext. minimum temperature forecast in 2018 (°C.)
	(°C.)	Date	Year			(°C.)	Date	Year		
Northern										
Chiang Rai	1.5	25	1999	12.4	7-9	1.5	2	1974	14.7	7-9
Chiang Mai	3.8	25	1999	15.7	9-11	3.7	2	1974	16.8	10-12
Phitsanulok	8.9	26	1999	16.5	11-13	7.5	13	1955	17.4	12-14
Northeastern										
loe i	2.2	31	1973 1975	11.6	7-9	0.1	2	1974	14.6	6-8
Nakhon Phanom	4.1	30	1975	14.7	7-9	1.8	12	1955	14.2	6-8
Nakhon Ratchasima	6.2	31	1975	16.6	12-14	4.9	12	1955	16.8	11-13
Ubon Ratchathani	8.5	30	1975	16.9	12-14	7.6	12	1955	17.3	11-13
Central										
Nakhon Sawan	7.7	25	1999	16.7	12-14	6.1	13	1955	18.7	11-13
Suphanburi	10.0	31	1975	18.8	13-15	9.2	13	1955	20.0	13-15
Kanchanaburi	6.8	31	1975	17.0	13-15	5.5	13	1955	18.4	13-15
Eastern										
Sa kaew	9.0	24	1999	17.8	13-15	11.4	12	2009	16.6	12-14
Chon Buri	12.0	29	1975	20.8	15-17	9.9	12	1955	21.5	15-17
South										
Prachuap Khiri Khan	11.4	31	1956	20.3	17-19	10.5	19	1963	17.0	17-19
Phuket	18.4	1	1982	24.1	20-22	17.8	4	1957	23.0	20-22
Bangkok	10.5	30	1975	22.1	15-17	9.9	12	1955	22.8	15-17

Remark : Not including mountainous area data.