



Climate characteristic expectation of Thailand during the summer season of 2016,

Issued on 26 January 2016.

Ministry of Information and
Communication Technology,
Thai Meteorological Department

Thai Meteorological Department 4353 Sukhumvit Road, Bangna, Bangkok 10260.

Climate characteristic expectation during the summer season of 2016 about during middle February until middle May:

The summer of this year in Thailand is expected to begin as normal about at the middle of February 2016. Mean maximum temperature will be above normal and higher than that of last year whereas the total rain amount will be slightly below normal and near that of last year. The summer of this year will end at about middle May.

However, many summer thunderstorms will often occur at many areas this summer. Therefore, a great loss of life and property may happen. Then, the public should prepare for damages from this type of severe weather events. The rain amount will not be sufficient for public consumption and agricultural usage at many areas, especially for those repeated drought areas and outside irrigation zones. The public may experience drought continuously from last year. As a result, water consumption should be optimized.

General climate characteristics:

The Upper Thailand (The northern, northeastern, central and eastern parts of Thailand):

During the 1st period about from middle February until the beginning of March: High pressure air mass areas from China will still prevail over northern and northeastern parts from time to time. Thus, the northern and northeastern parts are still cool or cold commonly in the morning; also hot weather appears during daytime almost all of this area with thick fog or mist occurring at many areas. Besides, central and eastern parts are still cool at many areas in the morning and hot weather also appears at many areas during daytime with thick fog or mist happening at many areas too. Then from the beginning of March until April: The southerly or southeasterly wind together with warmly low pressure air mass cells will prevail over this area almost all of this period. For this reason, the northern and northeastern parts are sweltering generally including with very hot weather occurring at many areas on some days, particularly during middle March until early April. Maximum temperatures may be extremely high as 43 – 44 °C. Nevertheless, summer thunderstorms will emerge frequently at many areas as thunder rain, wind gust and possible hail, thereby reducing some heat. And during the 1st half of May: Weather disturbances will develop while sweltering weather still occurs normally. Moreover, very hot weather appears at some areas on some days and thunder rain happens at many areas.

The Southern Thailand

During middle February until about late April: The easterly or southeasterly wind will prevail over the Southern Thailand almost all of this period. Consequently, the Southern Thailand will experience isolated to widely scattered rainfall with hot weather happening at many areas. Furthermore, wind waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high. Then from late April onwards: The southwestern monsoon will start to prevail over the Andaman Sea and the Southern Thailand. As a result, the Southern Thailand will experience more rain, specifically heavy to very heavy rain at some areas occurring at the western coast. In addition, wind waves in the Andaman Sea will be more active as 2 meters high but those in the Gulf of Thailand will still be about 1 meter high.

+++ Precautions +++

Fire and forest fire: During this summer, the sweltering weather will influence to bring about fire and forest fire easily. Then, the public should be cautious in using fuel for their activities.

Tropical cyclones: During late April until May, some low pressure air mass cells may develop at the Andaman Sea. Further, they can strengthen to become depressions, tropical storms and cyclones. Also, they will move northerly toward easterly to the western side of Thailand. Thus, the western portion of the northern and central parts of Thailand and also that of the Southern Thailand will experience more rain. So, flash and forest flood may inundate the mentioned area.

- Remarks:**
- Daily rainfall distribution (% of the area) criteria:

Isolated:	> 0 until < 20%
Widely scattered:	>=20 until < 40%
Almost widespread:	>=60 until < 80%

Scattered:	>= 40 until < 60%
Widespread	>= 80%
 - Daily rainfall amount (millimeters) criteria:

Light:	> 0 until 10.0
Moderate:	>=10.1 until <=35.0
Very heavy:	>= 90.1
 - Daily minimum temperature criteria for the winter season:

Cool weather	=	18.0 - 22.9	°C.
Moderately cold weather	=	16.0 - 17.9	°C.
Cold weather	=	8.0 - 15.9	°C.
Very cold weather	=	<= 7.9	°C.
 - Daily maximum temperature criteria for the summer season:

Hot weather	=	35.0 - 39.9	°C.
Very hot weather	=	>= 40.0	°C.
 - 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 or Fax: 02-383-8827.
 - 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

A table showing details of the weather prediction, maximum temperature and rain amount for each part of Thailand:

Part	The weather prediction	Maximum temperature
Northern and northeastern	Hot weather will occur normally with very hot weather happening at many areas on some days, especially during the middle of March until the middle of April. However, for some periods, some rain occurring as thunder rain, windy gust and possible hail helps reduce some heat.	40 – 44°C. around provinces: Mae Hong Son, Chiang Mai, Chiang Rai, Lamphun, Lampang, Phayao, Phrae, Nan, Tak, Uttaradit, Sukhothai, Kamphaeng Phet, Phitsanulok, Phetchabun, Pichit, Loei, Nong Khai, Bueng Kan, Nong bua Lam Phu, Udon Thani, Sakon Nakhon, Nakhon Phanom, Mukdahan, Chaiphum, Khon Kaen, Mahasarakham, Kalasin, Roi Et, Yasothon, Amnat Charoen, Nakhon Ratchasima, Buriram, Surin, Si Saket and Ubon Ratchathani.
Central and eastern (including with coastal areas)	Hot weather appears almost all of these parts, particularly at the upper portion. Also, very hot weather happens at many areas on some days, mostly during middle March until early April. But during some periods, some rain occurring as thunder rain, wind gust and possible hail at some areas helps reduce some heat.	40 – 43°C. around provinces: Nakhon Sawan, Uthai Thani, Chainat, Sing Buri, Ang Thong, Suphan Buri, Lop Buri, Saraburi, Ayutthaya, Ratchaburi, Pathumthani, Nonthaburi, Bangkok, Kanchana Buri, Nakhonpathom, Chachoengsao, Prachin Buri and Sa Kaew.
Southern	Hot weather will happen at many areas and isolated to widely scattered rainfall occurs. Wind waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high. But since late April, more rain will happen at the Southern Thailand (the western coast) with heavy to very heavy rain at some areas. For wind waves in the Andaman Sea, they will be more active as 2 meters high.	37 - 39°C. around provinces: Prachuap Khirikhan, Chumphon, Surat Thani, Nakhonsi Thammarat, Songkhla, Pattani, Yala, Phuket, Trang and Satun.
Bangkok and vicinity	Hot weather will happen at almost all of this area and very hot weather occurs on some days. However, during some periods, some rain occurring as thunder rain, wind gust and hail helps reduce some heat on some days.	38 – 40 °C.

