



Thai Meteorological Department
Ministry of Information and Communication
Technology

Summer 2015 Climate Characteristic Expectation for Thailand

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Thai Meteorological Department

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Summer 2015 Climate Characteristic Expectation About from March until middle May 2015

General climate characteristics:

During this summer, average maximum temperature will be above normal and higher than that of last year (2014) while total rain will be below normal and near that of last year. However, some rain appears during this season, it is still not adequate for consumption and agricultural utilization. People in many areas will suffer from continuous drought like the summer of last year, thus water usage should be efficiently optimized.

Upper Thailand (Northern, Northeastern, Central and Eastern regions.)

During the first period of March, high pressure air masses from China still prevail to cover the upper portion of northern and northeastern regions from time to time. Thus, the area will still be cool in the morning with thick fog in many areas and will be hot during day time.

Then later March until April, southerly or southeasterly winds will prevail over the Upper Thailand almost all of this period. Additionally, heat low pressure air mass cells will prevail over the area periodically causing the Upper Thailand to swelter with very hot air during day time in many areas. Maximum temperature is about 40 – 43 C. However, some thunderstorms happen as thunder rain and gusts in many areas on some days, thus reducing some heat.

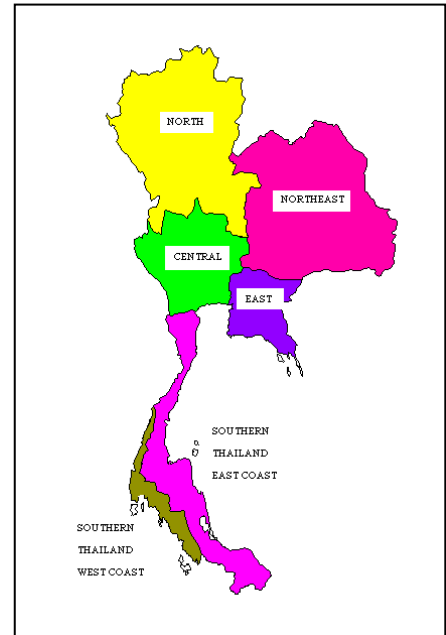
While during the 1st half of May, weather disturbances occur whereas the Upper Thailand will still swelter almost generally with very hot air on some days in some areas and also occasional thunder rain.

Southern Thailand

During March until late April, southerly or southeasterly winds will prevail over the Gulf of Thailand and Southern Thailand almost all of this period causing the Southern Thailand to have isolated to widely scattered rain with hot air in many areas on some days. Also, wind waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high.

Then during late April until Middle May, southwesterly monsoon will prevail over the Andaman Sea and the Southern Thailand causing the west coast to have more rain. Including with wind waves in the Andaman Sea will be more active as 2 – 3 meters high in some periods while those in the Gulf of Thailand will be about 1 meter high.

The summer season will end at about middle May and the rainy season will start further.



+++ Cautions +++

Fires and forest fires: During this period, the weather will influence fires and forest fires easily. The public should be cautious in fuel usage activities.

Tropical cyclones: During late April and May, some tropical cyclones always develop in the Andaman Sea and move near coastal zones or toward Myanmar. As a result, the western side of Thailand will have more rainfall bringing about some flash flood.

Details of weather expectation, maximum temperature and rainfall of each region:

Parts	Weather Characteristics	Maximum Temperature and provinces.
Northern and Northeastern	Hot air happens generally and very hot air appears in many areas on some days, especially during late March and some periods of April to middle May. However, some rainfall occurs to reduce some heat during some periods. Also, thundershowers, gusts and hails will happen on some areas.	40 – 43 °C around Mae Hong Son, Chiang Mai, Chiang Rai, Lumphun, Lampang, Phayao, Phrae, Nan, Uttaradit, Sukhothai, Phitsanulok, Kampaengphet, Tak, Phetchabun, Phichit, Loei, Nong Bua Lumphu, Nong Khai, Udorn Thani, Nakorn Phanom, Bueng Karn, Sakhon Nakorn, Chaiyaphum, Mahasarakam, Kalasin, Khon Kaen, Roi Et, Yasothorn, Amnat Charoen, Ubon Ratchatani, Mukdaharn, Nakorn Ratchasima, Burirum, Surin and Srisaket provinces.
Central and Eastern (Including the Eastern's coastal zones)	Hot air happens generally especially at the upper portion of these parts and very hot air appears in some areas on some days, mostly during late March until middle April. But during some periods, some rainfall will help reduce some heat with some thunder showers, gusts and possibly hails on some days.	40 – 42 °C around Nakorn Sawan, Uthaitani, Chainat, Singburi, Angthong, Suphanburi, Lopburi, Saraburi, Phra Nakorn Sri Ayudthaya, Kanchanaburi, Rachaburi, Pathum Thani, Nontaburi, Nakorn Prathom, Prachinburi and Sra Kaew provinces.
Southern	Hot air occurs in many areas with isolated to widely scattered rainfall. Wind waves in the Gulf of Thailand and the Andaman Sea are about 1 meter high. And since late April onward, the Southern Thailand (East Coast) will have more rainfall with more active wind waves as about 2 meters high.	37 – 39 °C around Prachuab Kirikhan, Chumporn, Surat Thani, Nakorn Sri Thammathirat, Songkhla, Pattani, Yala, Ranong, Pang nga, Phuket, Krabi, Trang and Satun provinces.
Bangkok Metropolis and Vicinity	Hot air occurs generally and very hot air happens on some days. But during some periods, some rainfall will reduce some heat with thunder showers, gusts and possible hails on some days.	38 – 40 °C

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

- Next update will be at the last week in February 2014.

- Please enquire climate forecasts: monthly/seasonally at Tel. 02-398-9929 or Fax. 02-383-8827 or at www.tmd.go.th

- Daily rainfall distribution (percent of the area) criteria: Isolated: > 0 until < 20 %

Widely scattered: >=20 until < 40% Scattered: >= 40 until < 60 %

Almost widespread: >=60 until < 80% Widespread: >= 80%

- Criteria of Maximum temperature : Hot air 35.0 – 39.9 C. Very hot air >= 40.0 C.


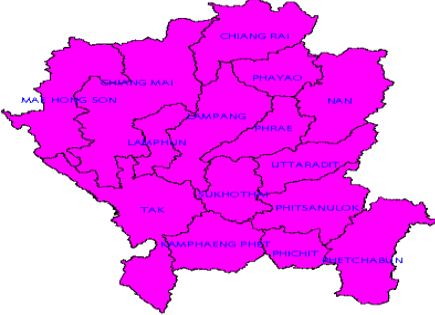



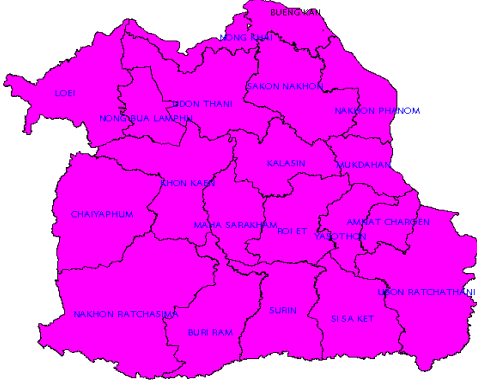



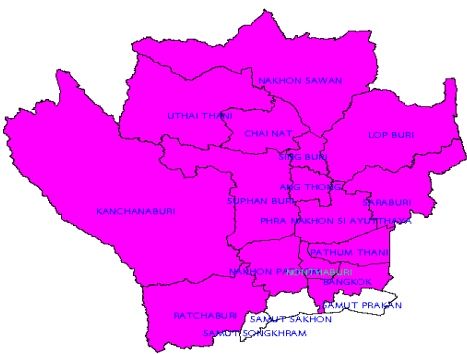


Average maximum temperature (°C.) for the 2015 and statistics in 2014
(During March until middle May 2015)

Parts	March		April		The 1 st half of May	
	2015 Forecasts	2014 Statistics	2015 Forecasts	2015 Forecasts	2014 Statistics	2015 Forecasts
Northern	36-38	36.8	37-39	37.6	34-36	36.2
Northeastern	35-37	36.3	36-38	36.1	34-36	35.2
Central	36-38	36.6	37-39	37.3	35-37	36.6
Eastern	33-35	33.8	34-36	34.9	33-35	35.1
Southern (East Coast)	32-34	32.8	33-35	34.6	33-35	35.2
Southern (West Coast)	34-36	35.2	34-36	33.7	32-34	33.9
Bangkok Metropolis	34-36	34.7	35-37	36.9	34-36	36.2





Extreme maximum temperature statistics in 2014

Part	March			April			May		
	Max	Date	Location	Max	Date	Location	Max	Date	Location
Northern	41.8	31	Thoen District, Lampang	41.8	24	Muang District, Mae hong son	41.0	17	Muang District, Sukhothai
Northeastern	41.7	31	Muang District, Nong Bua Lum Phu	41.0	1	Muang District, loei	40.2	24	Muang District, Sisaket
Central	40.4	20	Muang District, Kanchanaburi	41.0	1	Muang District, Kanchanaburi	40.6	13	Chai badan District, Lopburi
Eastern	39.5	31	Muang District, Prachinburi	39.7	3	Muang District, Prachinburi	39.2	5	Kabin buri District, Prachinburi
Southern (East Coast)	39.3	31	Pra Saeng Distric, Surat thani	39.3	24	Nong Plub Agromet Station, Prachuabkirikhan	38.3	2	Muang District, Prachuabkirikhan
Southern (West Coast)	38.3	28	Trang Airport, Muang District, Trang	37.7	2	Trang Airport, Muang District, Trang	36.5	24	Trang Airport, Muang District, Trang
Over Country	41.8	31	Muang District, Nong Bua Lum Phu	41.8	24	Muang District, Mae hong son	41.0	17	Muang District, Sukhothai
Bangkok Metropolis	36.4	31	Thai Meteorological Department , Bangna District	38.4	27	Queen Sirikit National Convention Center, Klong Toei District	39.1	16	Queen Sirikit National Convention Center, Klong Toei District

Average maximum temperature expectation of Thailand during the 2015 summer and possibly provinces of very hot weather on some days during March – April 2015


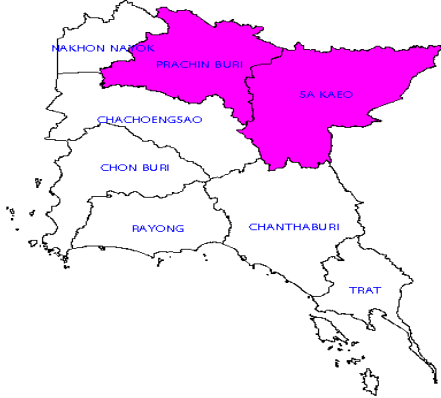


Northern			
Average Maximum Temperatures (°C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2015
March	36-38		
April	37-39		
The 1 st half of May	34-36		
Northeastern			
Average Maximum Temperatures (°C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2015
March	35-37		
April	36-38		
The 1 st half of May	34-36		
Central			
Average Maximum Temperatures (°C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2015
March	36-38		
April	37-39		
The 1 st half of May	35-37		







Note

 Isolated rain
  Widely scattered rain
  Scattered rain
  Widespread rain





Very hot ($\geq 40\text{ }^{\circ}\text{C}$)
 Hot ($35.0 - 39.9\text{ }^{\circ}\text{C}$)

Average maximum temperature expectation of Thailand during the 2015 summer and possibly provinces of very hot weather on some days during March – April 2015

Eastern			
Average Maximum Temperatures (°C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2014
March	33-35		
April	34-36		
The 1 st half of May	33-35		

Southern Thailand (East Coast)			Southern Thailand (West Coast)	
Average Maximum Temperatures (°C.) / Rainfall Distribution			Average Maximum Temperatures (°C.) / Rainfall Distribution	
March	32-34		34-36	
April	33-35		34-36	
The 1 st half of May	33-35		32-34	

Note

 Isolated rain
  Widely scattered rain
  Scattered rain
  Widespread rain

Very hot ($\geq 40\text{ }^{\circ}\text{C}$)
 Hot ($35.0 - 39.9\text{ }^{\circ}\text{C}$)

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