

## Summer 2014 Climate Characteristic Forecast

### About March until middle May

**General climate characteristics:** The average maximum temperature Thailand's this summer will be slightly above normal and will be nearly equal that of last year's (2013). However, the summarized amount of rainfall will be slightly below normal and will be **mostly almost** last year's (2013). Thus, not enough rain supplies in many areas' demands for both consumption and agriculture especially around Northern, Northeastern and Central parts. The public should utilize their water storages for maximum benefits.

#### Upper Thailand

At the beginning of this summer season, high pressure air masses from China still prevail to cover over Northern and Northeastern parts from time to time causing the area still to be cool generally in the morning and cold in some areas on some days. During daytime, the upper Thailand will be hot generally.

Until about middle March until April, heat low pressure air masses covering the upper Thailand (Northern, Northeastern, Central and Eastern parts) from time to time cause the area to be hot generally and very hot in many areas especially during late March until early April. However, some southerly and southeasterly winds and sometimes some westerly air waves prevailing to cover over the upper Thailand cause the area to have thunderstorms and reducing some heat.

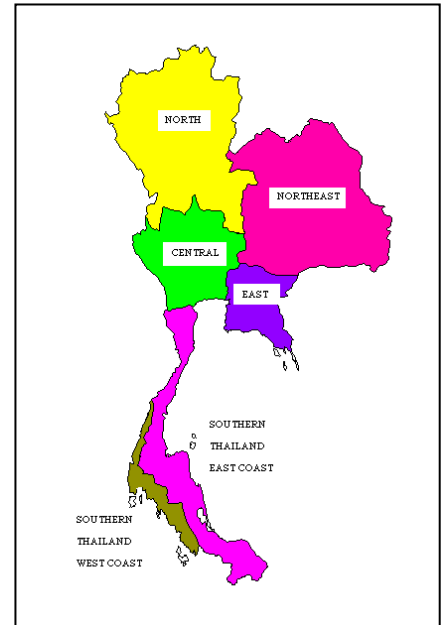
About at the end of this summer season (about at the first half of May), weather will be variable. The upper Thailand's weather will swelter generally and very hot in some areas. Some thunderstorms happen and reduce some heat.

#### Southern Thailand

From March until April, some easterly and southeasterly winds covering over the Gulf of Thailand and Southern Thailand cause the rainfall of the area to be isolated to widely scattered, while the weather will be hot in some areas on some days. Waves in the Gulf of Thailand and the Andaman Sea will be about 1 meter high.

From the end of April until middle May, southwesterly monsoon prevailing over the Andaman Sea and the Southern Thailand causes the area to have more rainfall especially around the Southern Thailand (West Coast).

The summer season will end at about middle May. Then the rainy season continues next.



#### **+++ Cautions +++**

**Tropical Storms** happen often mostly around the upper Thailand with the following characteristics: thunderstorms, gusts, and possible hails sometimes dangerous to lives, properties, and also to crops.

**Fires and Forest fires** during the summer, its weather characteristics may induce fires and forest fires easily. The public should be cautious in using fuels for any activities.

**Tropical Cyclones** happen during late April and May. They form frequently in the Andaman Sea and move toward the coast of Myanmar, and therefore produce more rainfall at the western side of Thailand causing floods and flash floods.

## Partly 2014 climate forecasts maximum temperature and Rainfall

Parts	Weather Characteristics	Maximum Temperature and provinces.
<b>Northern and Northeastern</b>	Hot air generally and very hot air in many areas on some days especially at late March until early April.  But in some periods, some rain falls to reduce some heat. Additionally, thunderstorms and gusts with some hails happen in some areas.	40 – 43 °C around Mae Hong Son, Chiang Mai, Lumphun, Lampang, Phrae, Nan, Uttaradit, Tak, Sukhothai, Kampaengphet, Phitsanulok, Phichit, Phetchabun, Nong Khai, Loei, Nong Bua Lumphu, Udon Thani, Bueng Karn, Nakorn Phanom, Sakhon Nakorn, Chaiyaphum, Maharakam, Kalasin and Khon Kaen, Roi Et, Yasothon, Amnat Charoen, Ubon Ratchatani, Mukdaharn, Nakorn Ratchasima, Burirum, Surin and Srisaket provinces.
<b>Central and Eastern (Including the Eastern's coastal zones)</b>	Hot air generally especially at the upper portion of these parts and very hot air in some areas on some days mostly at late March until early April. But in some periods, some rain falls to reduce some heat. Furthermore, some gusts and hail happen in some areas.	40 – 42 °C around Nakorn Sawan, Uthaitani, Chainat, Singburi, Angthong, Suphanburi, Lopburi, Saraburi, Phra Nakorn Sri Ayudthaya, Kanchanaburi, Pathum Thani, Nontaburi, Nakorn Prathom, Bangkok Metropolis, Prachinburi and Sra Kaew provinces.
<b>Southern</b>	Hot air in many areas with widely scattered rain fall.  Waves in the Gulf of Thailand and the Andaman Sea are about 1 meter high.  And from late April onwards, the Southern Thailand (West Coast) will have more rainfall while waves in the Andaman Sea strengthen.	37 – 39 °C around Prachuab Kirikhan, Chumporn, Surat Thani, Nakorn Sri Thammathirat, Songkhla, Yala, Ranong, Phuket, Krabi, Trang and Satun provinces.
<b>Bangkok Metropolis and Vicinity</b>	Hot air generally with very hot air on some days. But in some periods, some rain falls to reduce some heat. Additionally, thunderstorms and strong gusts happen and possible hails fall on some days.	38 – 40 °C

- Remarks - These expectations are long rang forecasts by using statistical and analytical climate models which may have some errors.
- Next update will be at the last week of February 2014.
  - Please enquire climate forecasts: monthly/seasonally at Tel. 02-398-9929 or Fax. 02-383-8827 or at [www.tmd.go.th](http://www.tmd.go.th)
  - Criteria of Maximum temperature : Hot air 35.0 – 39.9 C. Very hot air >= 40.0 C.

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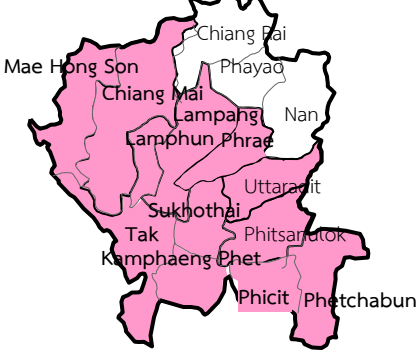



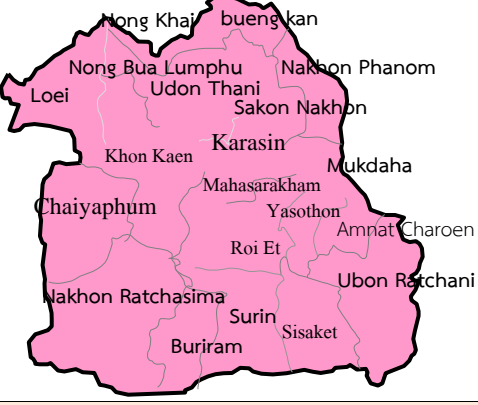



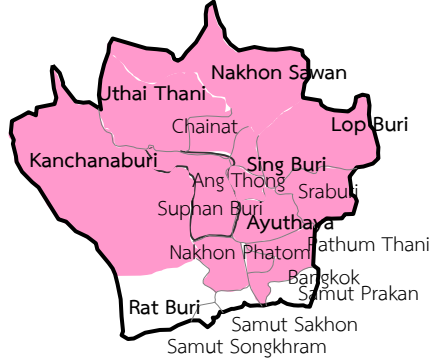


Average maximum temperature forecasts in 2014 and statistics in 2013  
(Around March until middle May 2557)

Parts	March		April		The 1 <sup>st</sup> half of May	
	2014 Forecasts	2013 Statistics	2014 Forecasts	2013 Statistics	2014 Forecasts	2013 Statistics
Northern	35-37	35.9	36-38	38.0	34-36	36.6
Northeastern	34-36	36.4	35-37	37.0	34-36	35.7
Central	35-37	35.6	36-38	36.6	34-36	37.1
Eastern	33-35	34.3	34-36	34.7	33-35	35.6
Southern (East Coast)	32-34	33.8	33-35	34.2	33-35	34.4
Southern (West Coast)	34-36	34.8	34-36	33.5	32-34	33.4
Bangkok Metropolis and Vicinity	34-36	35.0	35-37	35.7	34-36	36.9

### Extreme maximum temperature statistics in 2013

Part	March			April			May		
	Max	Date	Location	Max	Date	Location	Max	Date	Location
Northern	41.2	28	Thoen District, Lampang	42.3	3	Bhumipol Dam, Samngao District, Tak	41.4	1	Muang District, Sukhothai
Northeastern	41.3	29,31	Nangrong District, Burirum	42.6	5	Thapra Agromet Station, Khon Kaen	41.0	16	Kamalasai District, Kalasin
					5	Muang District, Nong Bua Lum Phu			
Central	42.0	25	Muang District, Kanchanaburi	42.7	3	Muang District, Kanchanaburi	41.0	2	Muang District, Kanchanaburi
Eastern	40.3	31	Aranyaprathet District, Sraakaew	40.1	6	Aranyaprathet District, Sraakaew	39.6	16	Maung District, Sraakaew
Southern (East Coast)	40.8	25	Nong Plub Agromet Station, Prachuabkirikhan	40.1	4	Nong Plub Agromet Station, Prachuabkirikhan	39.0	14	Nong Plub Agromet Station, Prachuabkirikhan
Southern (West Coast)	38.3	29	Trang Airport, Muang District, Trang	37.8	2	Noerklong District, Krabi	36.3	13	Trang Airport, Muang District, Trang
Thailand	42.0	25	Muang District, Kanchanaburi	42.7	3	Muang District, Kanchanaburi	41.4	1	Muang District, Sukhothai
Bangkok Metropolis and Vicinity	40.1	26	Queen Sirikit National Convention Center, Klong Toei District	39.9	5	Don Muang Airport, Don Muang District	39.6	2	Don Muang Airport, Don Muang District

Partly summer 2014 average maximum temperature with rain distribution and provinces with possibly very hot air during March – April 2014:

Northern			
Average Maximum Temperatures ( °C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2014
March	35-37		
April	36-38		
The 1 <sup>st</sup> half of May	34-36		
Northeastern			
Average Maximum Temperatures ( °C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2014
March	34-36		
April	35-37		
The 1 <sup>st</sup> half of May	34-36		
Central			
Average Maximum Temperatures ( °C.) / Rainfall Distribution			Provinces with possibly very hot air on some days during March – April 2014
March	35-37		
April	36-38		
The 1 <sup>st</sup> half of May	34-36		

Note



Isolated rain



Widely scattered rain



Scattered rain



Widespread rain


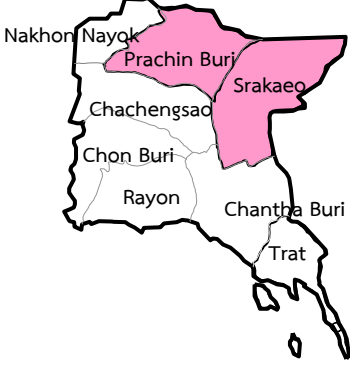










Very hot ( $\geq 40$  °C)







Hot (35.0 - 39.9 °C)

Partly summer 2014 average maximum temperature with rain distribution and provinces with possibly very hot air during March – April 2014:

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 <sup>st</sup> 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 <sup>st</sup> half of May	33-35		32-34	

Note

 Isolated rain    
  Widely scattered rain    
  Scattered rain    
  Widespread rain

Very hot ( $\geq 40$  °C)    
  Hot (35.0 - 39.9 °C)