

Monthly Weather Summary in Thailand

March 2014

Affected by a heat low pressure cell, hot condition persisted in Thailand almost the whole month. Monthly mean temperatures were around 0.8 - 1.8 °C above average at most locations with very hot weather especially during the second half of the month. The daily maximum temperature in some areas was its highest record for March. However the high pressure area from China occasionally extended its ridge to cover upper Thailand and the South China Sea, leading to morning cool and cold weather in upper northern part nearly the whole month with cool in southern part during early March. Moreover the combination of the westerly through covering the northern and upper northeastern parts during March 17-23, the southeasterly wind prevailed over lower northeastern, eastern and southern parts associated with the easterly wave in the Gulf of Thailand and southern Thailand during late March, resulted in rainfall for few days with thundershower, gust and hail in some areas mainly in the second half of March. Monthly rainfall was below normal in all parts of the country i.e. northern part 14.4 mm (51%), northeastern part 22.0 mm (49%), central part 9.5 mm (26%), eastern part 7.5 mm (12%), southern part (east coast) 50.9 mm (74%) and southern part (west coast) 61.4 mm (69%).

1 - 10 March: Heat low pressure cell covered upper Thailand throughout the period. High pressure area from China extended to cover the South China Sea and the eastward of northeastern Thailand coupled with the strengthening of the moderated easterly wind which prevailed over the Gulf of Thailand and southern Thailand during the second half of the period. These caused hot weather during daytime in most areas of Thailand especially in upper Thailand where very hot weather occurred with the highest maximum temperature was 40.0 °C at Chai Badan in Lop Buri province on March 4. However morning cool was presented nearly the whole areas of northern, upper northeastern and southern parts. Cold weather also recorded in several areas of the upper northern part with 11.0 °C minimum temperature at Umphang in Tak province on March 7. During this period, there was scanty rainfall over the whole areas except for isolated rain with heavy rainfall in the northeastern and eastern parts for few days during the second half of the period. The maximum daily rainfall of 60.5 mm was measured at Ban Fang in Khon Kaen province on March 10.

11 - 20 March: Hot weather continued in most places nearly the whole period and very hot weather in some areas of the northern and central parts. The highest maximum temperature of 41.2 °C was measured at Thoen in Lampang province on March 20. While morning cool and cold persisted in the northern part with the lowest minimum temperature 13.5 °C at Mae Sariang in Mae Hong Son province on March 14, rainfalls in all region of Thailand were increasing from the previous period with thunderstorms and hails occurred in some areas of the northeastern part mainly in middle and late periods. The highest daily rainfall of 93.5 mm was recorded at Khu Mueang in Buri Ram province on March 20. Thunderstorm and hail were reported at Phu Ruea in Loei province on March 16, thunderstorms in Chaiyaphum province on March 18, Mukdahan, Udon Thani and Nakhon Ratchasima provinces on March 19.

For southern Thailand, widely scattered to scattered rainfall during mid-period then isolated rainfall except for dry period continued in Phetchaburi, Chumphon and Ranong provinces. The southern part highest daily rainfall was 65.5 mm at Kapho in Pattani province on March 15.

21 - 31 March: During the first half of the period, rainfalls in most areas of Thailand were increasing whereas daily temperature decreasing from the previous period leading to morning cool in the northern and northeastern parts with hot in daytime in several areas. During the second half of the period, heat low pressure cell covered upper Thailand causing generally hot and very hot weather in several areas mainly in the northern and northeastern parts. The highest maximum temperature was 41.8 °C at Thoen in Lampang province on March 31. Moreover, Thailand obtained isolated to widely scattered rainfall with heavy rainfall in some areas almost the whole period except for scanty rainfall in the northern part during the second half of the period. The upper Thailand highest daily rainfall of 99.5 mm was recorded at Mueang in Chonburi province on March 22 while was 79.0 mm at Mueang in Krabi province in southern Thailand on March 31.

Breaking record of daily maximum temperature over Thailand in March 2014

| Station | New Record 2014 | | Previous Record | | Start Year |
|------------------------------|------------------|------|------------------|-------------|------------|
| | Temperature(°C) | Date | Temperature(°C) | Date / Year | |
| Doi Angkhang (Chiang Mai) | 30.7 | 31 | 30.6 | 29/ 2013 | 2006 |
| Thung Chang (Nan) | 39.2 | 31 | 38.7 | 29 / 2004 | 1996 |
| Phichit Agromet. Stn. | 38.7 | 16 | 38.4 | 31/2005 | 1992 |
| Phrasaeng (Surat Thani) | 39.3 | 31 | 38.8 | 21 / 1998 | 1998 |

Note : Rainfall, temperatures and natural disasters in this report were updated up to April 3, 2014.

Climatological Center
 Meteorological Development Bureau
 Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
March 2014

Northern Thailand

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|----------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Chiang Rai | 24.6 | 0.0 | 27.5 | -0.7 | 27.5 | -22.0 |
| Mae Hong Son | 26.2 | -0.5 | 0.0 | -16.8 | 0.0 | -29.2 |
| Phayao | 26.8 | 0.4 | 20.5 | -9.7 | 20.5 | -24.6 |
| Chiang Mai | 27.7 | 0.6 | 5.9 | -11.9 | 5.9 | -25.0 |
| Tha Wang Pha | 26.7 | 0.8 | 24.0 | -9.5 | 26.2 | -23.3 |
| Nan | 27.7 | 0.9 | 20.6 | -12.1 | 25.8 | -23.2 |
| Lamphun | 27.7 | 0.0 | 27.1 | 14.0 | 27.1 | 6.3 |
| Lampang | 29.0 | 1.0 | 0.0 | -22.8 | 0.0 | -34.4 |
| Mae Sariang | 25.7 | -0.3 | 0.0 | -14.2 | 0.0 | -22.2 |
| Phrae | 28.0 | 0.1 | 19.3 | -8.3 | 20.8 | -21.4 |
| Uttaradit | 29.0 | 0.3 | 32.6 | 9.2 | 37.9 | -5.5 |
| Bhumibol Dam | 30.7 | 1.0 | 0.0 | -21.1 | 0.0 | -30.6 |
| Tak | 30.8 | 0.6 | 0.5 | -11.6 | 0.5 | -22.4 |
| Mae Sot | 27.8 | 0.6 | 0.0 | -15.5 | 0.2 | -25.2 |
| Umphang | 25.2 | 0.8 | 45.7 | -2.2 | 46.2 | -17.6 |
| Phitsanulok | 29.2 | 0.0 | 28.9 | 2.2 | 29.4 | -14.7 |
| Lom Sak | 28.7 | 0.7 | 3.5 | -40.3 | 3.5 | -62.2 |
| Phetchabun | 29.6 | 0.9 | 4.3 | -43.6 | 4.3 | -65.3 |
| Wichian Buri | 30.2 | 0.7 | 12.5 | -38.1 | 12.5 | -58.4 |
| Kamphaeng Phet | 29.3 | 0.6 | 1.4 | -35.3 | 5.2 | -46.9 |
| Over the area | 28.0 | 0.4 | 13.7 | -14.4 -51% | 14.7 | -28.4 -66% |

- NOTES :
- 1) Mean temperature is the average of daily dry-bulb temperature
 - 2) "T" is trace, rainfall amount less than 0.1 mm.
 - 3) "blank" is incomplete data.
 - 4) Temperature and rainfall are preliminary data.

Monthly Current Report
Rainfall and Accumulative Rainfall
March 2014

Northeastern Thailand

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|-------------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Nong Khai | 29.2 | 1.6 | 16.1 | -23.7 | 16.1 | -49.3 |
| Loei | 27.7 | 0.8 | 12.7 | -26.6 | 12.9 | -48.7 |
| Udon Thani | 29.3 | 1.3 | 0.8 | -48.9 | 0.8 | -77.2 |
| Nakhon Phanom | 28.5 | 1.5 | 19.9 | -40.2 | 25.7 | -68.4 |
| Sakon Nakhon | 28.7 | 1.5 | 18.0 | -39.5 | 18.0 | -73.5 |
| Mukdahan | 29.5 | 1.8 | 2.2 | -36.6 | 2.6 | -57.3 |
| Khon Kaen | 29.7 | 1.2 | 8.9 | -33.2 | 8.9 | -58.6 |
| Kosum Phisai | 29.9 | 1.5 | 62.5 | 10.7 | 62.5 | -7.8 |
| Roi Et | 29.7 | 1.5 | 42.8 | 1.6 | 43.3 | -20.7 |
| Chaiyaphum | 29.8 | 1.0 | 67.4 | 16.1 | 67.4 | -2.7 |
| Ubon Ratchathani | 29.9 | 1.0 | 0.9 | -29.6 | 0.9 | -47.0 |
| Tha Tum | 29.8 | 1.1 | 27.0 | -17.2 | 27.1 | -38.3 |
| Surin | 30.1 | 1.4 | 0.6 | -45.0 | 0.6 | -62.1 |
| Nakhon Ratchasima | 30.2 | 1.3 | 27.0 | -10.1 | 29.7 | -31.7 |
| Chok Chai | 29.9 | 1.4 | 36.5 | -1.0 | 36.7 | -19.6 |
| Nang Rong | 29.6 | 1.2 | 20.0 | -27.9 | 23.4 | -48.8 |
| Over the area | 29.5 | 1.3 | 22.7 | -22.0 -49% | 23.5 | -44.5 -65% |

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 - 4) Temperature and rainfall are preliminary data.

Monthly Current Report
Rainfall and Accumulative Rainfall
March 2014

Central Thailand

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|--------------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Nakhon Sawan | 30.7 | 0.5 | 24.3 | -8.8 | 24.3 | -25.0 |
| Bua Chum | 30.2 | 0.7 | 21.1 | -24.7 | 21.1 | -40.5 |
| Lop Buri | 29.8 | 0.3 | 11.2 | -20.9 | 16.2 | -28.5 |
| Suphan Buri | 29.5 | 0.5 | 0.0 | -18.9 | 0.0 | -29.5 |
| Thong Pha Phum | 29.0 | 0.2 | 88.2 | 41.8 | 88.2 | 20.0 |
| Kanchanaburi | 30.1 | 0.4 | 7.5 | -21.5 | 10.0 | -40.5 |
| Bangkok Airport | 29.9 | 0.4 | 20.2 | -20.2 | 28.6 | -32.2 |
| Bangkok Metropolis | 29.6 | 0.1 | 39.6 | -2.5 | 41.7 | -33.7 |
| Over the area | 29.9 | 0.4 | 26.5 | -9.5 -26% | 28.8 | -26.2 -48% |

Eastern Thailand

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|---------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Prachin Buri | 30.1 | 0.6 | 0.4 | -49.5 | 0.4 | -73.0 |
| Kabin Buri | 29.3 | 0.2 | 1.5 | -50.0 | 4.8 | -80.6 |
| Aranyaprathet | 30.2 | 0.6 | 116.2 | 63.8 | 117.2 | 31.8 |
| Chon Buri | 29.4 | 0.2 | 99.5 | 52.0 | 105.1 | 33.4 |
| Ko Sichang | 28.6 | -0.1 | 12.0 | -37.6 | 13.4 | -62.8 |
| Pattaya | 28.2 | 0.0 | 0.0 | -53.3 | 10.4 | -72.8 |
| Sattahip | 28.4 | -0.2 | 39.6 | -19.2 | 69.3 | -34.5 |
| Rayong | 28.5 | -0.5 | 1.9 | -68.4 | 14.7 | -112.8 |
| Chanthaburi | 28.5 | 0.4 | 115.8 | 43.9 | 156.0 | 29.0 |
| Khlong Yai | 0.0 | -27.9 | 158.6 | 43.3 | 191.8 | -46.7 |
| Over the area | 26.1 | -2.7 | 54.6 | -7.5 -12% | 68.3 | -39.0 -36% |

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Monthly Current Report
Rainfall and Accumulative Rainfall
March 2014

Southern Thailand, east coast

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|---------------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Phetchaburi | 28.8 | 0.3 | 4.9 | -28.2 | 9.2 | -39.2 |
| Hua Hin | 28.3 | -0.1 | 1.6 | -52.3 | 30.1 | -50.9 |
| Prachuap Khiri Khan | 27.8 | -0.1 | 36.4 | -35.4 | 60.1 | -57.9 |
| Chumphon | 27.6 | -0.2 | 23.7 | -73.5 | 27.6 | -173.7 |
| Surat Thani | 27.8 | 0.3 | 0.0 | -24.0 | 28.6 | -44.5 |
| Ko Samui | 28.0 | -0.2 | 0.8 | -80.0 | 16.2 | -205.2 |
| Nakhon Si Thammarat | 27.2 | -0.2 | 0.0 | -89.7 | 269.1 | -34.2 |
| Songkhla | 28.0 | -0.1 | 17.8 | -41.9 | 27.5 | -155.6 |
| Hat Yai Airport | 27.3 | -0.3 | 26.8 | -48.3 | 34.2 | -119.1 |
| Pattani Airport | 27.3 | 0.0 | 13.4 | -36.0 | 29.8 | -102.5 |
| Narathiwat | 27.2 | -0.1 | 67.4 | -50.0 | 148.2 | -124.5 |
| Over the area | 27.8 | 0.0 | 17.5 | -50.9 -74% | 61.9 | -100.7 -62% |

Southern Thailand, west coast

| Station | Temperature (°c) | | Rainfall (mm) | | Accumulative rainfall (mm) Since 1 January | |
|----------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
| | Mean | Above or below normal | Actual | Above or below normal | Actual | Above or below normal |
| Ranong | 28.8 | 0.4 | 22.7 | -42.5 | 22.7 | -68.5 |
| Takua Pa | 28.1 | 0.4 | 40.0 | -74.6 | 53.8 | -141.3 |
| Phuket | 29.9 | 0.7 | 45.2 | -28.3 | 61.2 | -66.5 |
| Phuket Airport | 28.8 | 0.5 | 23.4 | -76.9 | 111.8 | -51.9 |
| Ko Lanta | 29.0 | 0.2 | 14.6 | -47.9 | 15.2 | -80.2 |
| Trang Airport | 28.5 | 0.4 | 32.0 | -51.4 | 57.8 | -78.9 |
| Satun | 29.1 | 0.7 | 13.7 | -108.3 | 59.7 | -129.3 |
| Over the area | 28.9 | 0.5 | 27.4 | -61.4 -69% | 54.6 | -88.1 -62% |

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