

Monthly Weather Summary in Thailand February 2010

In February, a pattern of high pressure area from China extending to cover Thailand was mainly weak and propagated eastward to the South China Sea. In addition, the southerly and southeasterly winds prevailed over upper Thailand almost the whole month. These conditions caused an increase of temperature with relatively warmer in upper Thailand. The consecutive days of hot weather occurred in many places for the second week of the month in particular during the end of the month that heat low pressure cell covering upper Thailand. However, in the morning, cold weather persisted in upper northern part and cool weather was experienced in several places of upper northeastern part. Although, February as a whole was dry and rainfall was below normal in most areas of Thailand, southern part experienced abundant rainfall during February 24 and 25 due to the influence of low pressure cell covering the Malacca Strait. Monthly rainfall was below normal in 4 regions i.e. northern part 8.7 mm (76%), central part 9.3 mm (75%), southern part (east coast) 27.4 mm (76%) and southern part (west coast) 10.7 mm (37%) while it was slightly above normal in northeastern and eastern part 1.0 mm (6%), eastern part 1.9 mm (7%), respectively. Mean temperatures of February were above normal in general especially those in northeastern part that was 2.3 °C higher than normal.

1-10 February : The high pressure area covering upper Thailand was weak and extended eastward to the South China Sea. It induced the southeasterly wind prevailing over the northeastern, central and eastern parts. The weather in the northern and northeastern parts was generally cool in the morning with cold weather in the upper portion. Temperature recorded in northern part climbed down to 3.0 °C over the area of mountaintop at Doi Angkhang, Fang in Chiang Mai province on February 8 and 9 with 10.3 °C at Mae Sariang in Mae Hong Son province on February 7. For rainfall, upper Thailand experienced generally light rain except for unexpected rainfall was found in northeastern part particularly during mid-period due to the westerly trough moving through northern part of Thailand. The highest daily rainfall was 65.2 mm at King Amphoe Sam Sung in Khon Kaen province on February 6. Thunderstorms and hail occurred at Ban Phue, Udon Thani province on February 7. For southern part, isolated rain was found for few days in the lower portion with maximum amount of 28.8 mm on February 4 at Amphoe Muang in Krabi province.

11-20 February: The high pressure area dominating upper Vietnam and the South China Sea with the prevailing of southerly and southeasterly wind brought temperature relatively increased but cool weather remained in the northern part with cold weather in the upper portion. During late period, the weather was cool over the whole of northeastern part with cold weather in some places due to the high pressure area extending to cover upper Thailand. The lowest minimum temperature was 12.4 °C at Thung Chang in Nan province on February 12 and 3.5 °C was measured at Doi Angkhang, Fang in Chiang Mai province on February 11. However, daytime temperature rose in upper Thailand and maximum temperature climbed up to 38.3 °C

at Amphoe Muang in Tak province on February 13 and February 15. For rainfall, upper Thailand received scanty rain except for scattered rain with heavy rainfall in some areas of central and eastern parts during late period. The maximum rainfall amount was 91.8 mm. at Amphoe Klong Yai in Trat province on February 19. For southern part, isolated rain was found in the lower portion with the maximum of 29.0 mm at Su-Ngai Padi in Narathiwat province on February 16.

21-28 February : Under the influence of a ridge of high pressure, cool and cold weather in the morning remained in northern part and cool weather was observed in some areas for the rest. The lowest minimum temperature was 11.4 °C at Mae Sariang in Mae Hong Son province on February 23. During daytime, temperature increased in several places especially during late period, heat low pressure cell covering upper Thailand caused the consecutive days of hot weather. The highest temperature was 39.1 °C at Nang Rong in Buriram province on February 27. During this period, northern part received scanty rain and isolated rain was found during the first half of the period in northeastern part while central and eastern parts obtained isolated rain for few days. The maximum daily rainfall in upper Thailand of 52.0 mm was measured at Noen Sa-nga in Chaiyaphum province on February 23. For southern part, isolated rainfall was reported almost the period especially during mid-period, the low pressure cell covering the Malacca Strait on February 24 and the head of Sumatra on February 25 induced rainfall increase. The highest daily rainfall of 58.9 mm was observed along the east coast at Thung Song in Nakhon Si Thammarat province on February 25.

Note : Rainfall, temperatures and natural disasters available in this report are preliminary data.

Climatological Group
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
February 2010

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 | 22.4 | 1.2 | 0.0 | -12.2 | 0.2 | -23.2 |
| Mae Hong Son | 23.4 | 1.2 | 0.0 | -4.8 | 24.3 | 11.8 |
| Phayao | 23.3 | 0.0 | 0.0 | -11.3 | 40.5 | 24.2 |
| Chiang Mai | 24.5 | 1.2 | 0.0 | -9.2 | 21.7 | 4.8 |
| Tha Wang Pha | 23.7 | 1.7 | 25.5 | 13.4 | 59.7 | 38.5 |
| Nan | 25.2 | 2.2 | 0.0 | -13.1 | 20.9 | 0.5 |
| Lamphun | 24.7 | 0.5 | 0.0 | -5.9 | 14.1 | 5.8 |
| Lampang | 25.9 | 2.0 | 0.0 | -7.6 | 24.1 | 10.9 |
| Mae Sariang | 22.4 | 0.0 | 0.0 | -7.0 | 13.0 | -1.0 |
| Phrae | 25.8 | 1.7 | 0.0 | -9.7 | 32.6 | 16.6 |
| Uttaradit | 27.4 | 1.6 | 0.0 | -14.9 | 12.5 | -9.8 |
| Bhumibol Dam | 27.7 | 0.7 | 0.0 | -7.4 | 55.5 | 43.7 |
| Tak | 28.6 | 1.7 | 0.0 | -8.4 | 37.9 | 25.3 |
| Mae Sot | 25.5 | 1.3 | 0.0 | -8.0 | 11.5 | 1.2 |
| Umphang | 23.2 | 2.2 | 0.0 | -13.8 | 35.1 | 13.8 |
| Phitsanulok | 28.1 | 1.4 | 7.2 | -5.7 | 32.1 | 14.1 |
| Lom Sak | 27.4 | 1.8 | 11.7 | -11.7 | 61.0 | 33.2 |
| Phetchabun | 28.0 | 1.8 | 1.0 | -18.0 | 31.5 | 6.9 |
| Wichian Buri | 29.2 | 1.9 | 0.0 | -13.9 | 14.0 | -6.8 |
| Kamphaeng Phet | 28.3 | 1.6 | 8.0 | -5.5 | 24.7 | 9.4 |
| Over the area | 25.7 | 1.4 | 2.7 | -8.7 -76% | 28.3 | 11.0 64% |

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 | 26.8 | 2.3 | 2.4 | -12.1 | 73.7 | 52.3 |
| Loei | 26.0 | 2.1 | 0.8 | -16.0 | 32.0 | 9.3 |
| Udon Thani | 26.8 | 1.9 | 36.4 | 15.4 | 82.4 | 56.2 |
| Nakhon Phanom | 26.0 | 2.1 | 59.9 | 32.6 | 79.0 | 48.2 |
| Sakon Nakhon | 26.1 | 1.8 | 38.7 | 13.0 | 93.6 | 63.8 |
| Mukdahan | 27.5 | 2.7 | 2.9 | -15.8 | 10.4 | -12.9 |
| Khon Kaen | 27.6 | 2.0 | 15.9 | -0.1 | 86.3 | 68.2 |
| Kosum Phisai | 28.1 | 2.6 | 2.2 | -11.9 | 30.7 | 14.6 |
| Roi Et | 27.9 | 2.6 | 12.1 | -8.9 | 31.8 | 6.3 |
| Chaiyaphum | 28.6 | 2.2 | 14.5 | -4.2 | 55.0 | 33.0 |
| Ubon Ratchathani | 28.5 | 2.4 | 12.1 | -4.4 | 34.6 | 16.9 |
| Tha Tum | 28.4 | 2.4 | 5.2 | -10.8 | 32.3 | 14.7 |
| Surin | 28.9 | 2.6 | 6.9 | -4.8 | 19.9 | 3.4 |
| Nakhon Ratchasima | 28.9 | 2.4 | 4.0 | -14.1 | 66.2 | 42.2 |
| Chok Chai | 28.3 | 2.1 | 59.1 | 47.8 | 108.1 | 92.9 |
| Nang Rong | 28.0 | 1.7 | 26.2 | 10.4 | 77.1 | 54.9 |
| Over the area | 27.7 | 2.3 | 18.7 | 1.0 6% | 57.1 | 35.3 162% |

- NOTES :
- 1) Input data are received via ssb radio each day. They have not been certified yet, so this current report has to be checked with monthly weather reports later.
 - 2) Mean temperature is the average of daily maximum and daily minimum
 - 3) "T" is trace, rainfall amount less than 0.1 mm.
 - 4) "blank" is incomplete data.

Monthly Current Report
Rainfall and Accumulative Rainfall
February 2010

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 | 29.8 | 1.6 | 0.0 | -12.5 | 26.0 | 8.1 |
| Bua Chum | 29.9 | 2.7 | 0.0 | -9.1 | 65.4 | 51.5 |
| Lop Buri | 29.4 | 1.4 | 1.1 | -10.5 | 7.1 | -9.2 |
| Suphan Buri | 28.9 | 1.7 | 0.0 | -7.3 | 0.8 | -13.0 |
| Thong Pha Phum | 28.5 | 2.3 | 0.0 | -15.9 | 12.5 | -8.7 |
| Kanchanaburi | 29.9 | 2.0 | 8.4 | -3.0 | 8.4 | -8.2 |
| Bangkok Airport | 29.2 | 1.5 | 12.7 | 1.1 | 142.0 | 121.5 |
| Bangkok Metropolis | 29.5 | 1.8 | 2.9 | -16.7 | 102.8 | 74.1 |
| Over the area | 29.4 | 1.9 | 3.1 | -9.3 -75% | 45.6 | 27.0 145% |

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 | 29.6 | 1.4 | 30.9 | 13.8 | 67.4 | 42.6 |
| Kabin Buri | 28.9 | 1.2 | 3.6 | -18.1 | 59.0 | 30.4 |
| Aranyaprathet | 29.9 | 2.1 | 26.2 | 3.0 | 27.9 | -1.9 |
| Chon Buri | 29.1 | 1.5 | 39.0 | 22.3 | 84.5 | 56.9 |
| Ko Sichang | 28.9 | 1.4 | 5.5 | -13.8 | 14.6 | -13.1 |
| Pattaya | 28.4 | 1.2 | 1.6 | -10.6 | 40.1 | 14.0 |
| Sattahip | 28.5 | 1.2 | 0.8 | -27.5 | 103.9 | 53.3 |
| Rayong | 29.1 | 1.3 | 5.3 | -33.4 | 69.0 | 10.7 |
| Chanthaburi | 28.4 | 1.6 | 100.2 | 63.8 | 130.4 | 81.6 |
| Khlong Yai | 28.3 | 1.0 | 95.7 | 19.6 | 143.2 | 28.8 |
| Over the area | 28.9 | 1.4 | 30.9 | 1.9 7% | 74.0 | 30.3 69% |

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Monthly Current Report
Rainfall and Accumulative Rainfall
February 2010

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 | 28.9 | 1.8 | 10.0 | 5.6 | 89.9 | 76.8 |
| Hua Hin | 28.5 | 1.6 | 0.0 | -18.7 | 24.9 | -3.3 |
| Prachuap Khiri Khan | 28.2 | 2.1 | 0.2 | -32.1 | 20.6 | -38.7 |
| Chumphon | 27.7 | 1.3 | 9.2 | -50.4 | 96.6 | -37.7 |
| Surat Thani | 27.7 | 1.0 | 3.2 | -21.7 | 56.1 | -2.5 |
| Ko Samui | 28.3 | 1.0 | 18.3 | -37.9 | 112.5 | -74.3 |
| Nakhon Si Thammarat | 27.2 | 0.9 | 7.1 | -52.8 | 182.5 | -24.3 |
| Songkhla | 28.3 | 0.6 | 1.3 | -35.7 | 69.6 | -22.0 |
| Hat Yai Airport | 27.7 | 1.1 | 9.0 | -10.1 | 69.1 | 1.8 |
| Pattani Airport | 27.9 | 1.7 | 8.8 | -22.4 | 48.2 | -30.9 |
| Narathiwat | 27.3 | 0.6 | 27.6 | -24.9 | 158.4 | 27.5 |
| Over the area | 28.0 | 1.3 | 8.6 | -27.4 -76% | 84.4 | -11.6 -12% |

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 | 28.3 | 1.2 | 10.2 | -6.3 | 40.9 | 12.2 |
| Takua Pa | 28.0 | 1.0 | 2.5 | -36.2 | 87.4 | 13.5 |
| Phuket | 30.0 | 1.4 | 19.4 | -10.9 | 137.1 | 85.1 |
| Phuket Airport | 28.7 | 1.3 | 21.7 | -10.9 | 96.8 | 28.3 |
| Ko Lanta | 29.0 | 0.8 | 0.0 | -19.8 | 47.8 | 20.7 |
| Trang Airport | 28.6 | 1.2 | 38.2 | 14.5 | 84.1 | 24.5 |
| Satun | 29.2 | 1.3 | 34.2 | -5.3 | 135.7 | 83.9 |
| Over the area | 28.8 | 1.1 | 18.0 | -10.7 -37% | 90.0 | 38.4 74% |

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