

Monthly Weather Summary in Thailand August 2013

Due to the influence of the rather active southwest monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand during early and late August in addition with the remnants of two tropical storm namely “JEBI” (1309) over Myanmar and Laos during August 3-4 and “MANGKHUT” (1310) over Laos and upper northern Thailand on August 8 and the monsoon trough occasionally lying over the northern and upper northeastern parts of Thailand, downpour of rain occurred in much of Thailand during early and late month with flash flooding in some areas. However, with the weakening of the southwest monsoon and the disappearance of monsoon trough during the middle of the month, most areas of Thailand experienced decreasing in rainfall. Monthly rainfall was less than normal in most parts of Thailand i.e. northeastern part 52.6 mm (20%), central part 31.8 mm (18%), eastern part 2.7 mm (1%), southern part (east coast) 18.7 mm (15%) and southern part (west coasts) 47.5 mm (12%) while it was inversely above normal in northern part 24.5 mm (11%). The average rainfall over the whole area of Thailand was 7% lower than normal. Mean temperatures were slightly above normal in general.

1 – 10 August: The rather active southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand almost the whole period. Moreover, the tropical storm “JEBI” in the middle South China Sea made landfall over upper Vietnam and downgraded into tropical depression on August 3 before heading to Laos and finally dissipated over Myanmar on the following day. Besides, the tropical storm “MANGKHUT” hit upper Vietnam and moved further to Laos. After weakening into the tropical depression and low pressure cell, the remnant of “MANGKHUT” persisted in upper northern Thailand on August 8. Under these influence, Thailand experienced abundant rainfall almost the whole period especially during August 7-10 when many areas of the northern and northeastern parts obtained widespread rain with heavy to very heavy rainfall with flash flooding at Chiang Rai, Chiang Mai and Lampang provinces on August 9 and Bueng Kan province on August 7. The maximum daily rainfall in upper Thailand was 174.3 mm at Amphoe Muang in Bueng Kan province on August 7. In southern part, plentiful of rainfall was found nearly the whole period especially along the west coast. It induced flash flooding at Surat Thani, Phang-nga and Satun provinces on August 2, Ranong province on August 3 and Trang province on August 2. The highest daily rainfall of 149.9 mm was measured at Trang Airport on August 1.

11 – 20 August: During early period, due to the monsoon trough lying across the northern and northeastern parts toward the low pressure cell in the middle South China Sea accompanied with the rather active southwest monsoon blowing across Thailand resulted in abundant rainfall in upper Thailand. The maximum daily rainfall was 150.8 mm at Wat Sub Samosorn School, Khet Nong Chok in Bangkok Metropolis on August 12. Flash flooding occurred at Pichit and Kamphaeng Phet provinces on August 13, Nakhon Sawan province on August 12 and the river overflowed its banks at Uttaradit province on August 11 with the occurrence of gusty wind at Chanthaburi province on August 14. After that, with the weakening of the southwest monsoon and disappearance of monsoon trough, a weather turned sunny period with a few rain patched. For southern part, scattered to fairly widespread rain with isolated heavy rainfall was observed during early period then rainfall generally decreased. The highest daily rainfall was 83.4 mm at Amphoe Muang, Ranong province on August 12.

21 – 31 August: Under the influence of the low pressure trough lying over the northern and upper northeastern parts coupled with more active southwest monsoon, bringing an increased in rainfall in upper Thailand, scattered to fairly widespread rain with heavy to very heavy rainfall in some areas was found nearly the whole period. The maximum daily rainfall, 125.0 mm, was measured at Ban Phaeng in Nakhon Phanom province on August 21 with flooding at Chaing Rai and Nong Khai provinces on August 22, Phitsanulok province on August 23 and Phetchabun province on August 25. Flash flood occurred at Surin province on August 27. Across southern Thailand, rainfall was mainly observed during the second half of the period, the highest rainfall amount was 119.0 mm at Bacho in Narathiwat province on August 28.

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- Note :**
1. Rainfall, temperatures and natural disasters in this report were updated up to September 2, 2013.
 2. JEI (1309) mean swallow contributed by Republic of Korea.
 3. MANGKHUT (1310) mean the kind of fruits (Mangosteen) contributed by Thailand.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
August 2013

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 | 26.7 | 0.2 | 423.2 | 64.8 | 1400.9 | 192.4 |
| Mae Hong Son | 27.0 | 0.1 | 320.6 | 81.3 | 824.6 | -99.0 |
| Phayao | 26.6 | -0.1 | 229.1 | 25.1 | 651.6 | -111.0 |
| Chiang Mai | 27.3 | 0.5 | 299.4 | 82.5 | 776.8 | 45.0 |
| Tha Wang Pha | 27.1 | 0.2 | 291.0 | -6.8 | 1076.8 | 2.2 |
| Nan | 27.5 | 0.2 | 224.7 | -48.5 | 639.3 | -294.3 |
| Lamphun | 27.3 | 0.0 | 142.5 | -30.2 | 636.8 | 2.8 |
| Lampang | 27.3 | -0.1 | 220.9 | 34.6 | 652.2 | -46.9 |
| Mae Sariang | 26.2 | 0.0 | 207.0 | -13.4 | 641.1 | -172.7 |
| Phrae | 27.1 | -0.3 | 365.2 | 159.7 | 923.8 | 122.9 |
| Uttaradit | 27.8 | -0.2 | 392.4 | 129.0 | 1012.9 | 32.3 |
| Bhumibol Dam | 28.5 | 0.4 | 73.9 | -38.1 | 315.9 | -263.6 |
| Tak | 28.0 | 0.1 | 112.2 | -3.6 | 599.6 | 12.9 |
| Mae Sot | 25.8 | 0.2 | 420.3 | 98.6 | 1393.6 | 243.1 |
| Umphang | 24.4 | 0.1 | 277.2 | 28.8 | 1210.3 | 182.7 |
| Phitsanulok | 28.1 | 0.0 | 197.5 | -50.1 | 961.9 | 98.5 |
| Lom Sak | 27.2 | -0.1 | 197.7 | -0.4 | 628.9 | -113.7 |
| Phetchabun | 27.4 | 0.1 | 164.0 | -35.0 | 843.3 | 25.4 |
| Wichian Buri | 28.2 | 0.1 | 177.9 | -31.3 | 925.7 | 107.4 |
| Kamphaeng Phet | 27.8 | 0.0 | 214.2 | 43.7 | 953.3 | 157.9 |
| Over the area | 27.2 | 0.1 | 247.5 | 24.5 11% | 853.5 | 6.1 1% |

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 | 27.8 | 0.3 | 296.6 | -26.6 | 1169.6 | -71.0 |
| Loei | 27.4 | 0.3 | 227.1 | 42.2 | 1030.5 | 176.6 |
| Udon Thani | 27.8 | 0.0 | 290.8 | 5.7 | 932.4 | -143.2 |
| Nakhon Phanom | 27.5 | 0.5 | 281.7 | -298.6 | 1764.2 | -180.9 |
| Sakon Nakhon | 27.6 | 0.2 | 263.2 | -94.7 | 1609.3 | 283.5 |
| Mukdahan | 27.7 | 0.4 | 175.1 | -175.6 | 1285.4 | 133.6 |
| Khon Kaen | 27.6 | -0.1 | 172.3 | -44.1 | 654.8 | -222.3 |
| Kosum Phisai | 27.9 | -0.1 | 217.9 | -14.0 | 735.8 | -154.7 |
| Roi Et | 27.8 | -0.1 | 295.8 | 43.6 | 1148.9 | 151.3 |
| Chaiyaphum | 27.5 | -0.1 | 108.8 | -87.4 | 834.0 | 86.9 |
| Ubon Ratchathani | 27.6 | 0.0 | 164.8 | -138.5 | 1107.2 | -34.0 |
| Tha Tum | 28.2 | 0.0 | 292.1 | 64.2 | 853.2 | -123.4 |
| Surin | 27.8 | 0.2 | 172.1 | -84.1 | 879.8 | -138.2 |
| Nakhon Ratchasima | 28.1 | 0.0 | 167.8 | 10.6 | 599.1 | -71.2 |
| Chok Chai | 28.0 | 0.1 | 120.1 | -33.4 | 691.9 | 25.6 |
| Nang Rong | 27.8 | 0.0 | 171.8 | -9.9 | 724.1 | -55.7 |
| Over the area | 27.8 | 0.1 | 213.6 | -52.6 -20% | 1001.3 | -21.1 -2% |

- 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
August 2013

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 | 28.9 | 0.5 | 84.0 | -94.3 | 569.5 | -157.8 |
| Bua Chum | 28.2 | 0.2 | 158.0 | -11.2 | 774.9 | 93.2 |
| Lop Buri | 28.5 | 0.2 | 98.9 | -52.0 | 438.2 | -230.1 |
| Suphan Buri | 28.7 | 0.2 | 197.5 | 79.1 | 577.1 | 72.6 |
| Thong Pha Phum | 26.6 | 0.3 | 227.5 | -116.2 | 1336.1 | -6.6 |
| Kanchanaburi | 29.1 | 0.7 | 72.8 | -25.5 | 516.4 | -45.5 |
| Bangkok Airport | 29.4 | 0.6 | 121.9 | -49.0 | 818.6 | -36.4 |
| Bangkok Metropolis | 28.7 | -0.1 | 233.6 | 14.3 | 935.0 | -31.0 |
| Over the area | 28.5 | 0.3 | 149.3 | -31.8 -18% | 745.7 | -42.7 -5% |

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 | 28.3 | 0.0 | 380.4 | 21.9 | 1296.6 | 20.3 |
| Kabin Buri | 27.5 | -0.2 | 235.8 | -54.6 | 1051.2 | -54.8 |
| Aranyaprathet | 28.1 | 0.3 | 325.3 | 116.7 | 1195.2 | 317.2 |
| Chon Buri | 29.4 | 0.4 | 201.5 | 47.4 | 985.7 | 222.2 |
| Ko Sichang | 28.7 | 0.0 | 130.4 | -6.4 | 784.6 | 111.1 |
| Pattaya | 28.5 | 0.1 | 75.0 | -22.6 | 453.2 | -156.3 |
| Sattahip | - | - | - | - | 419.6 | -281.6 |
| Rayong | 28.5 | -0.3 | 166.4 | 34.1 | 1101.8 | 224.9 |
| Chanthaburi | 27.8 | 0.3 | 498.7 | 1.5 | 2632.7 | 495.0 |
| Khlong Yai | 27.2 | 0.2 | 684.3 | -356.1 | 3798.7 | 106.2 |
| Over the area | 28.2 | 0.0 | 299.8 | -2.7 -1% | 1371.9 | 100.3 8% |

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Monthly Current Report
Rainfall and Accumulative Rainfall
August 2013

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 | 0.2 | 68.5 | -23.8 | 344.5 | -105.4 |
| Hua Hin | 28.5 | 0.0 | 87.1 | 15.9 | 453.3 | -26.1 |
| Prachuap Khiri Khan | 28.1 | 0.3 | 57.9 | -41.2 | 543.8 | -51.2 |
| Chumphon | 27.6 | 0.5 | 63.6 | -143.9 | 1012.0 | -19.6 |
| Surat Thani | 27.1 | 0.1 | 66.2 | -73.4 | 724.5 | -13.4 |
| Ko Samui | 28.5 | 0.3 | 52.7 | -58.2 | 685.7 | -126.0 |
| Nakhon Si Thammarat | 27.6 | -0.2 | 125.1 | -4.7 | 1140.8 | 191.8 |
| Songkhla | 28.3 | 0.1 | 208.7 | 99.3 | 931.5 | 249.4 |
| Hat Yai Airport | 26.8 | -0.6 | 122.8 | 9.8 | 835.1 | 78.7 |
| Pattani Airport | 27.7 | 0.2 | 75.3 | -58.7 | 714.2 | -2.7 |
| Narathiwat | 27.4 | 0.0 | 231.8 | 73.5 | 1251.0 | 347.9 |
| Over the area | 27.9 | 0.1 | 105.4 | -18.7 -15% | 785.1 | 47.4 6% |

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 | 27.1 | 0.3 | 583.0 | -206.1 | 3284.5 | 484.9 |
| Takua Pa | 26.8 | -0.6 | 413.6 | -131.4 | 3400.9 | 1159.2 |
| Phuket | 28.3 | 0.2 | 250.6 | -36.2 | 1487.2 | 198.8 |
| Phuket Airport | 28.1 | 0.1 | 274.8 | -55.0 | 1745.2 | 297.9 |
| Ko Lanta | 28.1 | -0.1 | 348.2 | 44.0 | 1579.6 | 261.4 |
| Trang Airport | 27.4 | 0.4 | 342.0 | 66.9 | 1397.2 | 168.6 |
| Satun | 27.4 | 0.0 | 244.6 | -14.7 | 1372.6 | 70.9 |
| Over the area | 27.6 | 0.0 | 351.0 | -47.5 -12% | 2038.2 | 377.4 23% |

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