

Monthly Weather Summary in Thailand

July 2011

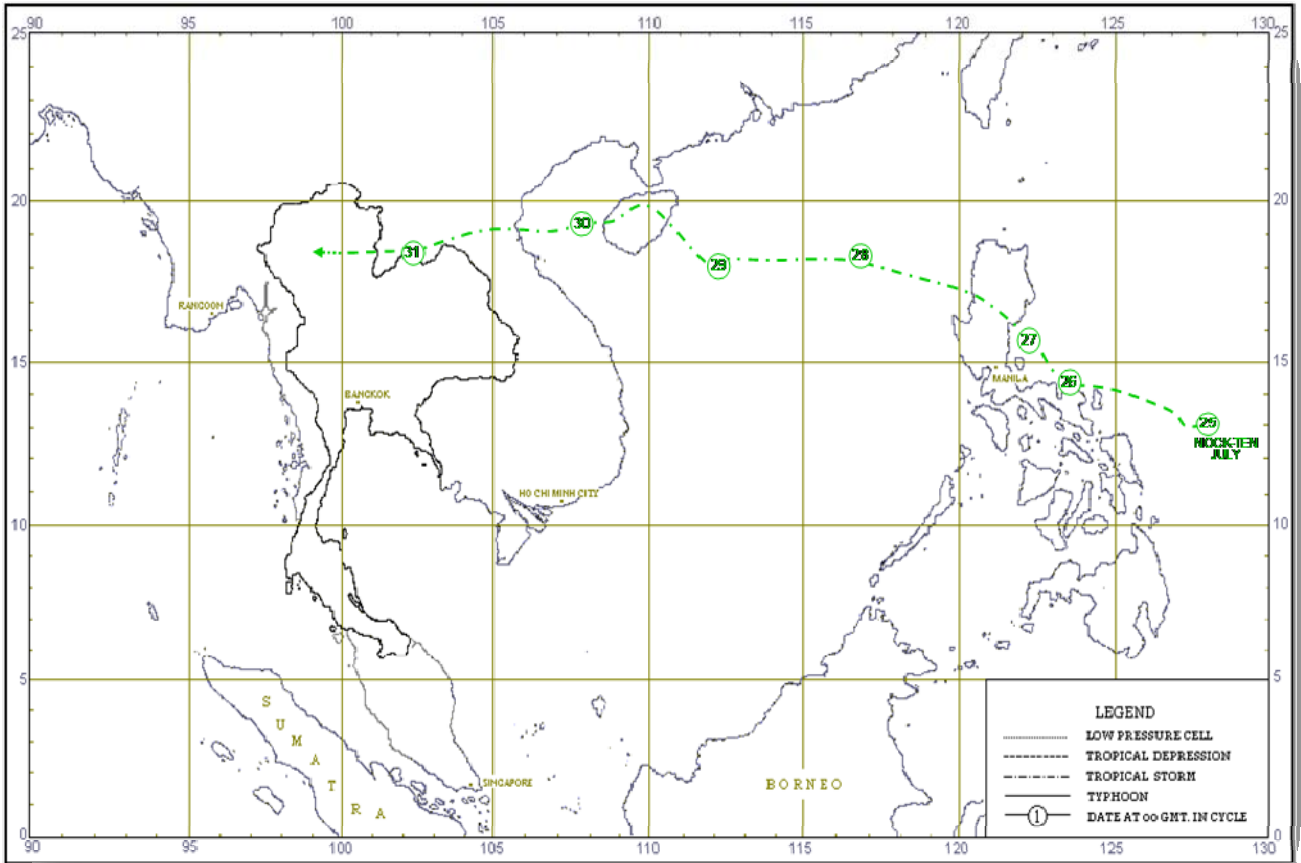
Under the influence of the rather active southwest monsoon and the monsoon trough which lay across upper Thailand during the second half of the month, Thailand received abundant rainfall almost the month. Furthermore, the tropical storm “NOCK-TEN” in the middle South China Sea made landfall over upper Vietnam during late July. It moved into Laos and downgraded to tropical depression heading before move to Nan province in Thailand on July 31. Monthly rainfall was above normal in almost areas i.e. northern part 77.1 mm (43%), northeastern part 111.9 mm (54%), central part 62.4 mm (41%), southern part (east coast) 28.0 mm (25%) and southern part (west coast) 9.5 mm (3%) while it was inversely below normal in eastern part 7.5 mm (3%). Mean temperatures were slightly above normal in most parts except for slightly below normal in central part.

1 – 10 July: The active southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand during the beginning and the end of the period. In addition, the low pressure cell covered Laos and upper Vietnam at time resulted in abundant rainfall in Northern and Northeastern parts. The maximum daily rainfall of 176.0 mm was found in upper Thailand at Amphoe Muang in Bueng Kan province on July 8 while that of 89.5 mm was found in southern part at Amphoe Kapho in Pattani province on July 2.

11 – 20 July: The moderated to rather active southwest monsoon prevailed over Thailand throughout the period. In addition, the monsoon trough lay across upper Thailand during the beginning and the middle of the period. Furthermore the active low pressure cell covered the Gulf of Tonkin during the end of the period. These conditions produced scattered to fairly widespread rain with isolated heavy to very heavy rainfall to Thailand. The maximum daily rainfall of 215.3 mm was found in upper Thailand at Amphoe Seka in Nong Khai province on July 14 and flash flood occurred at Chiang Rai, Phrae and Bueng Kan provinces while that of 92.7 mm was found in southern part at Amphoe Muang in Ranong province on July 12.

21 – 31 July: Besides the strength of southwest monsoon and monsoon trough lying across upper Thailand, tropical storm “NOCK-TEN” in middle South China Sea hit upper Vietnam on July 30. It moved further into Laos and downgraded to the tropical depression on the following day before tracking to Nan province in the northern part of Thailand. It later weakened to the low pressure cell and covered Chiang Mai and Mae Hong Son provinces for the next time. Stormy conditions caused scattered to fairly widespread rain almost the whole period, particularly where in the Northern and Northeastern parts heavy to very heavy rainfall was observed in several areas during the end of the period. The maximum daily rainfall of 405.9 mm was found in upper Thailand at Amphoe Muang in Nong Khai province on July 30 and was the highest for the station in 60 years while that of 91.5 mm was found in southern part at Amphoe Chana in Songkhla province on July 26. Flash flood occurred at Mae Hong Son, Nan, Phrae, Uttaradit, Phitsanulok Phicit, Nong Khai, Loei Udon Thani, Sakon Nakhon, and Nakhon Phanom provinces on July 31

Note : Rainfall, temperatures and natural disasters in this report were updated up to August 10, 2010.



Track of tropical storm "NOCK-TEN"

Climatological Center
 Meteorological Development Bureau
 Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
July 2011

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 | 27.2 | 0.7 | 338.2 | 19.1 | 1089.4 | 241.9 |
| Mae Hong Son | 27.5 | 0.7 | 349.4 | 132.9 | 956.6 | 299.2 |
| Phayao | 27.2 | 0.2 | 239.6 | 99.3 | 934.8 | 391.2 |
| Chiang Mai | 27.7 | 0.6 | 191.2 | 33.6 | 857.1 | 336.0 |
| Tha Wang Pha | 27.5 | 0.3 | 342.9 | 80.9 | 1125.6 | 324.1 |
| Nan | 27.7 | 0.3 | 431.3 | 216.5 | 1239.6 | 575.5 |
| Lamphun | 27.6 | -0.2 | 253.4 | 135.1 | 990.3 | 538.2 |
| Lampang | 27.8 | 0.2 | 235.7 | 89.7 | 1003.7 | 495.7 |
| Mae Sariang | 26.9 | 0.6 | 151.2 | -36.7 | 866.7 | 265.7 |
| Phrae | 27.7 | 0.1 | 277.8 | 125.3 | 961.8 | 396.8 |
| Uttaradit | 28.1 | -0.2 | 310.0 | 122.6 | 1042.6 | 309.8 |
| Bhumibol Dam | 28.0 | -0.3 | 74.9 | -5.2 | 782.8 | 342.3 |
| Tak | 27.9 | -0.1 | 199.7 | 106.0 | 783.5 | 336.4 |
| Mae Sot | 26.2 | 0.6 | 314.4 | 2.0 | 1218.6 | 444.2 |
| Umphang | 24.5 | 0.2 | 311.9 | 95.8 | 1183.8 | 445.9 |
| Phitsanulok | 28.1 | -0.3 | 275.5 | 87.6 | 946.7 | 297.6 |
| Lom Sak | 27.5 | -0.1 | 95.7 | -41.0 | 488.0 | -78.7 |
| Phetchabun | 27.6 | 0.0 | 228.2 | 74.1 | 921.3 | 336.3 |
| Wichian Buri | 28.4 | -0.2 | 247.5 | 87.2 | 882.3 | 268.8 |
| Kamphaeng Phet | 27.8 | -0.3 | 270.1 | 117.9 | 865.1 | 273.3 |
| Over the area | 27.4 | 0.1 | 256.9 | 77.1 43% | 957.0 | 342.1 56% |

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 | 28.1 | 0.5 | 700.8 | 437.9 | 1296.1 | 411.5 |
| Loei | 27.3 | -0.1 | 271.6 | 104.2 | 877.4 | 174.5 |
| Udon Thani | 28.1 | 0.0 | 392.6 | 169.8 | 848.5 | 56.6 |
| Nakhon Phanom | 27.4 | 0.2 | 745.7 | 261.8 | 1475.8 | 170.6 |
| Sakon Nakhon | 27.9 | 0.2 | 323.9 | 56.1 | 1010.7 | 75.7 |
| Mukdahan | 27.9 | 0.1 | 330.0 | 99.9 | 937.6 | 120.3 |
| Khon Kaen | 28.0 | -0.1 | 268.8 | 99.9 | 597.9 | -39.2 |
| Kosum Phisai | 28.5 | 0.1 | 375.9 | 225.0 | 742.0 | 88.9 |
| Roi Et | 28.1 | 0.0 | 181.5 | -14.1 | 547.7 | -177.2 |
| Chaiyaphum | 28.0 | 0.1 | 130.8 | 11.3 | 561.1 | -11.4 |
| Ubon Ratchathani | 27.8 | 0.0 | 246.9 | -5.0 | 845.2 | -6.2 |
| Tha Tum | 28.5 | 0.1 | 225.8 | 8.6 | 662.0 | -82.5 |
| Surin | 28.0 | 0.2 | 328.1 | 131.8 | 961.7 | 256.0 |
| Nakhon Ratchasima | 28.4 | 0.1 | 291.9 | 176.6 | 693.9 | 203.2 |
| Chok Chai | 28.1 | -0.1 | 150.9 | 27.0 | 459.3 | -64.0 |
| Nang Rong | 27.8 | -0.2 | 151.3 | -0.1 | 693.0 | 103.0 |
| Over the area | 28.0 | 0.1 | 319.8 | 111.9 54% | 825.6 | 79.9 11% |

- NOTES :
- 1) Mean temperature is the average of daily dry-bulb temperatur
 - 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
July 2011

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 | 28.3 | -0.7 | 210.1 | 77.0 | 872.0 | 365.8 |
| Bua Chum | 28.3 | -0.2 | 140.4 | 21.4 | 472.9 | -34.2 |
| Lop Buri | 28.5 | 0.1 | 143.6 | 17.0 | 605.3 | 101.8 |
| Suphan Buri | 28.7 | 0.1 | 110.8 | 4.8 | 509.4 | 91.4 |
| Thong Pha Phum | 26.4 | -0.1 | 365.3 | 49.9 | 1253.4 | 266.0 |
| Kanchanaburi | 28.8 | 0.3 | 81.2 | -20.9 | 634.4 | 194.1 |
| Bangkok Airport | 28.5 | -0.1 | 350.3 | 193.9 | 1200.1 | 628.0 |
| Bangkok Metropolis | 28.7 | 0.0 | 317.6 | 156.2 | 1356.1 | 691.7 |
| Over the area | 28.3 | -0.1 | 214.9 | 62.4 41% | 863.0 | 288.2 50% |

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 | 28.4 | 0.0 | 363.7 | 93.3 | 1175.2 | 236.2 |
| Kabin Buri | 27.7 | -0.2 | 193.0 | -62.8 | 636.0 | -210.8 |
| Aranyaprathet | 28.5 | 0.8 | 148.8 | -33.9 | 649.0 | -40.7 |
| Chon Buri | 29.4 | 0.6 | 111.9 | -20.2 | 688.3 | 107.0 |
| Ko Sichang | 28.9 | 0.1 | 93.0 | -27.0 | 510.5 | -7.7 |
| Pattaya | 28.4 | 0.0 | 69.8 | -21.2 | 625.4 | 139.2 |
| Sattahip | 28.8 | 0.1 | 142.1 | 37.1 | 749.8 | 176.7 |
| Rayong | 28.7 | -0.2 | 143.6 | -19.9 | 774.3 | 42.9 |
| Chanthaburi | 28.0 | 0.6 | 422.2 | -12.8 | 1574.6 | 69.1 |
| Khlong Yai | 27.2 | 0.2 | 895.8 | -7.2 | 2667.9 | 99.4 |
| Over the area | 28.4 | 0.2 | 258.4 | -7.5 -3% | 1005.1 | 61.0 6% |

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Monthly Current Report
Rainfall and Accumulative Rainfall
July 2011

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 | 28.6 | 0.0 | 138.7 | 62.1 | 529.0 | 206.1 |
| Hua Hin | 28.4 | 0.0 | 145.0 | 44.5 | 396.4 | 24.7 |
| Prachuap Khiri Khar | 27.5 | -0.3 | 224.7 | 124.5 | 632.7 | 164.3 |
| Chumphon | 27.1 | 0.1 | 214.4 | 37.4 | 1166.9 | 359.8 |
| Surat Thani | 27.2 | 0.2 | 118.8 | 8.0 | 1305.0 | 750.5 |
| Ko Samui | 28.4 | 0.2 | 151.1 | 27.9 | 1913.8 | 1210.9 |
| Nakhon Si Thammarat | 27.9 | 0.2 | 86.6 | -26.8 | 2636.0 | 1878.3 |
| Songkhla | 28.4 | -0.1 | 115.0 | 27.0 | 1220.6 | 706.9 |
| Hat Yai Airport | 27.5 | 0.3 | 84.0 | -25.4 | 828.9 | 214.7 |
| Pattani Airport | 28.1 | 0.7 | 143.6 | 28.1 | 960.0 | 405.6 |
| Narathiwat | 27.6 | 0.0 | 133.6 | 1.0 | 1677.7 | 972.4 |
| Over the area | 27.9 | 0.1 | 141.4 | 28.0 25% | 1206.1 | 626.7 108% |

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 | 26.6 | 0.0 | 887.4 | 243.2 | 2408.4 | 388.9 |
| Takua Pa | 27.1 | -0.2 | 452.8 | 15.4 | 2175.7 | 521.3 |
| Phuket | 28.6 | 0.8 | 139.9 | -143.6 | 1077.0 | 20.3 |
| Phuket Airport | 28.1 | 0.5 | 216.4 | -72.5 | 1365.4 | 215.2 |
| Ko Lanta | 28.0 | -0.1 | 413.5 | 119.0 | 948.8 | -32.9 |
| Trang Airport | 27.3 | 0.5 | 331.2 | 61.2 | 1290.5 | 317.4 |
| Satun | 27.7 | 0.3 | 92.0 | -156.5 | 1140.3 | 80.1 |
| Over the area | 27.6 | 0.2 | 361.9 | 9.5 3% | 1486.6 | 215.9 17% |

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