

## Monthly Weather Summary in Thailand

### October 2010

The active monsoon trough lay across the central, upper southern, eastern and northeastern parts to the low pressure cell in the South China Sea mainly during the beginning and the middle of the month. In addition, the active low pressure cell covered the lower northeastern and central parts on 16-18 October. These conditions caused abundant rainfall in Thailand and severe floods were reported in several areas particularly in lower northeastern and central parts. During late Month, the active high pressure area from China extended its ridge to cover upper Thailand and the active northeast monsoon prevailed over southern part and the Gulf of Thailand. Furthermore the monsoon trough shifted southward to lie across southern part and the Gulf of Thailand and the active low pressure cell in the lower South China Sea intensified into the tropical depression on 31 Oct. The weather became light rain and cool in northern and northeastern parts, while Southern Thailand experienced abundant rainfall and flash floods. Monthly rainfall was above normal in most areas i.e. northern part 73.7 mm (60%) northeastern part 66.2 mm (59%) central part 131.0 mm (72%) eastern part 44.6 mm (20%) southern part(east coast) 74.7 mm (30%) and southern part (west coast) 34.6 mm (10%). Mean temperatures were slightly above normal in almost of areas.

**1 – 10 October:** During this period, northern part experienced widely scattered to scattered rain and heavy rainfall in some areas. Elsewhere, fairly widespread rain and heavy to very heavy rainfall in some areas during the first half of the period and then isolated to widely scattered rain with isolated heavy rainfall, except for fairly widespread rain and isolated heavy to very heavy rainfall in eastern part on the last day of the period. The maximum daily rainfall in upper Thailand was 117.7 mm at Amphoe Khlung in Chantha Buri province on October 10 while the southern part was 148.1 mm at Amphoe Muang in Phetchaburi province on October 3. Flash floods were reported at Kanchanaburi, Racha Buri, Suphan Buri, Samut Songkhram, Samut Sakhon Phetchabun, and Phachuap Khiri Khan provinces during the first half of the period.

**11 – 20 October:** Thailand received fairly widespread rain and heavy to very heavy rainfall in some areas almost the whole period. Torrential rains brought severe flash flood in much of lower northeastern and central parts. This rainfall was associated with the active low pressure cell and the active monsoon trough. The maximum daily rainfall in upper Thailand was 172.2 mm at Amphoe Chai Badan in Lop Buri province on October 15. Severe flooding were reported at Phetchabun, Chaiyaphum, Nakhon Ratchasima, Si Sa Ket, Buri Rum, Nakhonsawan, Lop Buri, Saraburi, Uthai Thani, Sa Kaeo, Chanthaburi, Rarong and Prachin Buri provinces while that of 120.5 mm was found as the highest in southern part at Amphoe Takua-Pa in Phang-Nga provinces on October 13 and flash flood was report at Satun.

**21 – 31 October:** Upper Thailand was relative decreasing rainfall from the previous period in northeastern part. The maximum daily rainfall of 150.0 mm was recorded in upper Thailand at Amphoe Na Klang in Nong Bua Lam Phu province on October 25. Flash floods were reported at Nonthaburi and Pathum Thani province and riverside Bangkok. In southern part, isolated to widely scattered rain during the first half of the period and then fairly widespread rain with heavy to very heavy rainfall in some areas. Moreover, the tropical depression which located in the lower part of the Gulf of Thailand on the last day produced torrential rain in the southern Thailand east coast. The highest rainfall amount was 208.0 mm at Amphoe Hat Yai in Songkhla province on October 31 and flash floods were reported at Surat Thani, Songkhla and Narathiwat provinces. Furthermore, during this period temperature was relative decreasing in upper Thailand especially on the last day of the period, generally cool weather and cold weather was found in some places of the northern and northeastern parts. The lowest temperature of 12.6 °c occurred at Nakhon Phanom Agromet Stn, Amphoe Muang in Nakhon Phanom province on October 31.

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**Note :** Rainfall, temperatures and natural disasters in this report was updated up to November 12, 2010.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2010

Northern Thailand

| Station        | Temperature (°c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|----------------|------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|                | Mean             | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Chiang Rai     | 25.9             | 1.2                         | 149.6         | 18.9                        | 1822.8  | 195.7                       |
| Mae Hong Son   | 26.7             | 0.6                         | 251.7         | 144.8                       | 1361.3  | 138.5                       |
| Phayao         | 25.9             | 0.6                         | 248.3         | 131.8                       | 1152.4  | 108.5                       |
| Chiang Mai     | 26.9             | 1.0                         | 169.6         | 53.0                        | 1149.9  | 85.4                        |
| Tha Wang Pha   | 26.4             | 0.8                         | 57.5          | -24.1                       | 1684.8  | 323.2                       |
| Nan            | 27.0             | 0.9                         | 47.9          | -30.6                       | 1430.2  | 220.2                       |
| Lamphun        | 26.3             | 0.3                         | 188.6         | 78.1                        | 1322.9  | 415.8                       |
| Lampang        | 26.7             | 0.8                         | 167.0         | 60.6                        | 966.0   | -52.1                       |
| Mae Sariang    | 26.3             | 0.1                         | 268.3         | 161.5                       | 1224.1  | 114.1                       |
| Phrae          | 26.7             | 0.4                         | 79.6          | -10.4                       | 988.5   | -64.3                       |
| Uttaradit      | 27.7             | 0.2                         | 95.8          | -20.6                       | 1143.6  | -232.7                      |
| Bhumibol Dam   | 26.1             | -0.4                        | 329.9         | 124.4                       | 1079.6  | 100.6                       |
| Tak            | 26.7             | 0.2                         | 285.6         | 81.7                        | 1134.1  | 146.3                       |
| Mae Sot        | 26.4             | 0.5                         | 121.6         | 22.8                        | 1163.1  | -203.3                      |
| Umphang        | 24.5             | 0.8                         | 198.3         | 39.4                        | 1468.0  | 70.6                        |
| Phitsanulok    | 27.2             | -0.5                        | 308.3         | 149.0                       | 1305.1  | 9.4                         |
| Lom Sak        | 26.8             | 0.2                         | 125.3         | 46.3                        | 843.7   | -181.3                      |
| Phetchabun     | 26.9             | 0.2                         | 220.8         | 133.9                       | 1150.7  | 88.7                        |
| Wichian Buri   | 27.5             | 0.0                         | 294.6         | 176.6                       | 1644.0  | 461.3                       |
| Kamphaeng Phet | 26.9             | -0.2                        | 328.4         | 137.9                       | 1541.2  | 316.6                       |
| Over the area  | 26.6             | 0.4                         | 196.8         | 73.7<br>60%                 | 1278.8  | 103.2<br>9%                 |

Northeastern Thailand

| Station           | Temperature (°c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|-------------------|------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|                   | Mean             | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Nong Khai         | 26.9             | 0.4                         | 43.6          | -38.2                       | 1589.2  | 66.8                        |
| Loei              | 25.8             | 0.4                         | 138.0         | 22.5                        | 1464.6  | 251.0                       |
| Udon Thani        | 26.8             | 0.0                         | 91.2          | 10.5                        | 1504.1  | 126.1                       |
| Nakhon Phanom     | 26.1             | 0.0                         | 191.1         | 109.4                       | 1944.5  | -297.7                      |
| Sakon Nakhon      | 26.0             | -0.3                        | 87.2          | 14.0                        | 1446.9  | -140.3                      |
| Mukdahan          | 25.8             | -0.5                        | 181.4         | 87.3                        | 1740.6  | 246.1                       |
| Khon Kaen         | 26.4             | 0.0                         | 112.4         | 3.6                         | 1230.0  | 40.7                        |
| Kosum Phisai      | 27.0             | 0.2                         | 91.0          | -20.7                       | 992.9   | -207.2                      |
| Roi Et            | 26.4             | -0.1                        | 163.9         | 66.4                        | 1156.1  | -175.0                      |
| Chaiyaphum        | 26.7             | -0.1                        | 275.7         | 143.5                       | 1501.7  | 405.3                       |
| Ubon Ratchathani  | 26.4             | -0.1                        | 90.0          | -18.0                       | 1563.1  | 5.7                         |
| Tha Tum           | 26.8             | 0.0                         | 198.0         | 69.8                        | 1367.7  | -3.2                        |
| Surin             | 26.6             | 0.0                         | 177.4         | 42.7                        | 1319.5  | -4.7                        |
| Nakhon Ratchasima | 26.6             | 0.2                         | 284.6         | 143.4                       | 1383.2  | 378.5                       |
| Chok Chai         | 26.4             | 0.1                         | 428.2         | 270.9                       | 1503.9  | 444.6                       |
| Nang Rong         | 26.1             | -0.3                        | 286.3         | 152.5                       | 1123.3  | -25.8                       |
| Over the area     | 26.4             | 0.0                         | 177.5         | 66.2<br>59%                 | 1427.0  | 69.3<br>5%                  |

- 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  
October 2010

Central Thailand

| Station            | Temperature ( °c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|--------------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|                    | Mean              | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Nakhon Sawan       | 27.3              | -0.3                        | 588.0         | 455.4                       | 1556.9  | 514.9                       |
| Bua Chum           | 27.3              | 0.3                         | 401.6         | 282.7                       | 1337.7  | 272.6                       |
| Lop Buri           | 27.6              | -0.1                        | 229.9         | 78.8                        | 1224.1  | 139.6                       |
| Suphan Buri        | 27.6              | -0.2                        | 255.5         | 46.2                        | 944.3   | -64.1                       |
| Thong Pha Phum     | 26.5              | 0.1                         | 213.1         | 36.6                        | 1493.7  | -242.2                      |
| Kanchanaburi       | 27.3              | 0.1                         | 332.7         | 123.4                       | 1108.6  | 122.2                       |
| Bangkok Airport    | 27.6              | -0.3                        | 216.1         | 37.5                        | 1824.0  | 635.6                       |
| Bangkok Metropolis | 28.0              | 0.2                         | 256.3         | -12.6                       | 1970.4  | 478.2                       |
| Over the area      | 27.4              | 0.0                         | 311.7         | 131.0<br>72%                | 1432.5  | 232.1<br>19%                |

Eastern Thailand

| Station       | Temperature ( °c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|---------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|               | Mean              | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Prachin Buri  | 28.0              | 0.1                         | 153.1         | -10.8                       | 2049.6  | 213.3                       |
| Kabin Buri    | 27.3              | -0.1                        | 113.9         | -36.5                       | 966.1   | -648.8                      |
| Aranyaprathet | 27.5              | 0.3                         | 326.6         | 156.1                       | 1373.5  | 47.8                        |
| Chon Buri     | 27.9              | 0.3                         | 300.7         | 90.7                        | 1373.0  | 137.1                       |
| Ko Sichang    | 27.6              | 0.1                         | 284.9         | 49.3                        | 1282.3  | 98.8                        |
| Pattaya       | 27.2              | 0.3                         | 164.5         | -76.3                       | 974.4   | -59.3                       |
| Sattahip      | 27.5              | 0.4                         | 249.2         | -24.1                       | 1479.0  | 289.2                       |
| Rayong        | 27.5              | 0.0                         | 184.9         | -19.0                       | 1703.8  | 373.6                       |
| Chanthaburi   | 27.1              | 0.4                         | 375.3         | 97.7                        | 2822.2  | 33.7                        |
| Khlong Yai    | 26.9              | 0.0                         | 576.9         | 219.4                       | 3619.1  | -1012.9                     |
| Over the area | 27.5              | 0.2                         | 273.0         | 44.6<br>20%                 | 1764.3  | -52.9<br>-3%                |

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Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2010

Southern Thailand, east coast

| Station             | Temperature ( °c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|---------------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|                     | Mean              | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Phetchaburi         | 27.5              | -0.1                        | 495.4         | 223.0                       | 1150.2  | 296.9                       |
| Hua Hin             | 27.2              | 0.0                         | 338.3         | 107.5                       | 870.9   | 65.0                        |
| Prachuap Khiri Khar | 27.0              | 0.2                         | 170.7         | -60.6                       | 720.3   | -170.2                      |
| Chumphon            | 26.9              | 0.4                         | 257.6         | 6.8                         | 1137.3  | -306.1                      |
| Surat Thani         | 26.8              | 0.5                         | 227.4         | -16.9                       | 1050.5  | -32.4                       |
| Ko Samui            | 27.6              | 0.5                         | 273.5         | -30.0                       | 1079.1  | -165.7                      |
| Nakhon Si Thammarat | 27.1              | 0.5                         | 272.2         | -49.9                       | 1224.9  | -130.7                      |
| Songkhla            | 27.8              | 0.3                         | 399.0         | 146.8                       | 1319.0  | 311.7                       |
| Hat Yai Airport     | 26.9              | 0.5                         | 404.9         | 193.5                       | 1240.5  | 143.4                       |
| Pattani Airport     | 27.4              | 0.7                         | 365.7         | 166.7                       | 971.1   | -70.4                       |
| Narathiwat          | 27.4              | 0.4                         | 392.4         | 134.4                       | 1233.7  | -82.2                       |
| Over the area       | 27.2              | 0.3                         | 327.0         | 74.7<br>30%                 | 1090.7  | -12.8<br>-1%                |

Southern Thailand, west coast

| Station        | Temperature ( °c) |                             | Rainfall (mm) |                             | Accumulative rainfall (mm)<br>Since 1 January |                             |
|----------------|-------------------|-----------------------------|---------------|-----------------------------|---|-----------------------------|
|                | Mean              | Above<br>or below<br>normal | Actual        | Above<br>or below<br>normal | Actual  | Above<br>or below<br>normal |
| Ranong         | 26.5              | 0.3                         | 539.5         | 125.2                       | 2942.4  | -967.4                      |
| Takua Pa       | 26.6              | 0.2                         | 593.5         | 87.2                        | 2925.7  | -381.9                      |
| Phuket         | 28.3              | 1.0                         | 362.2         | 57.2                        | 1940.4  | -97.6                       |
| Phuket Airport | 27.8              | 1.0                         | 342.7         | -4.8                        | 2392.8  | 177.9                       |
| Ko Lanta       | 28.0              | 0.8                         | 327.5         | 1.2                         | 1473.0  | -501.4                      |
| Trang Airport  | 27.1              | 0.8                         | 241.3         | -41.0                       | 1604.1  | -275.5                      |
| Satun          | 27.3              | 0.6                         | 339.3         | 16.9                        | 1982.6  | -2.6                        |
| Over the area  | 27.4              | 0.7                         | 392.3         | 34.6<br>10%                 | 2180.1  | -292.6<br>-12%              |

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