

## Monthly Weather Summary in Thailand

### August 2011

The rather active monsoon trough lay across upper Thailand almost the whole month accompanied with the moderate to rather active southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand. These conditions brought abundant rainfall to upper Thailand that caused flooding in northern and northeastern parts. In southern part, rainfall was mainly observed in middle and late month especially during late month, the active southwest monsoon produced torrential rainfall with flash flood and mudslide along the west coast. August rainfall was above normal i.e. northern part 49.2 mm (22%), northeastern part 66.0 mm (26%), central part 27.9 mm (15%), eastern part 22.2 mm (7%), southern part (east coast) 29.4 mm (23%) and southern part (west coast) 57.2 mm (14%). Mean temperatures were slightly above normal in most parts except for slightly below normal in northeastern part.

**1 – 10 August:** The moderate monsoon trough lay over the northern and northeastern parts to the low pressure cell which located in the Gulf of Tonkin and upper Vietnam in addition with the southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand. Moreover, the remnant of the tropical storm “NOCK–TEN” covered northern part on the first day of the period. Under these influences, upper Thailand experienced abundant rainfall especially in the northern and northeastern parts and flash flooding continued in the northern part at Mae Hong Son, Lampang, Uttaradit, Phrae, Sukhothai, Phitsanulok and Phichit provinces. There were also reports of flooding in central part at Nakhon Sawan, Phra Nakhon Si Ayutthaya and Ang Thong provinces as well. The maximum daily rainfall in upper Thailand was 190.0 mm at Ban Phaeng in Nakhon Phanom province on August 2. Southern Thailand received sparse rain, isolated to widely scattered rain was found with heavy to very heavy rainfall in some areas. The highest amount of rainfall was 104.7 mm at Su-ngai Kolok in Narathiwat province on August 7.

**11 – 20 August:** Under the influence of the rather active monsoon trough lying over upper Thailand during the second half of the period, the moderate southwest monsoon prevailing over Andaman Sea, Thailand and The Gulf of Thailand and the passage of easterly wave over upper Thailand on August 15 resulted in increasing of rainfall over Thailand particularly during the middle and the end of the period. Flooding remained in the northern part at Uttaradit, Phrae, Sukhothai and Phitsanulok provinces. Flash floods occurred at Loei and Udon Thani provinces on August 17 and at Chiang Rai province on August 20 and water overflowing bank affected Chiang Mai and Phichit provinces on August 19. The highest daily rainfall was 170.0 mm at Sam Chai in Kalasin province on August 15. In southern part, rainfall was relatively increased to scattered to fairly widespread rain and isolated heavy rainfall with the maximum daily rainfall of 87.0 mm at Amphoe Mueang Surat Thani on August 14 and also mudslide at Surat Thani province on August 16.

**21 – 31 August:** The monsoon trough which lay across the northern and upper northeastern parts during early period strengthened and moved southward to the lower northern, central and eastern parts. This caused abundant rainfall in upper Thailand mainly during the middle and the end of the period. The highest daily rainfall of 135.0 mm was measured at Khao Wong in Kalasin province on August 30. Phitsanulok and Sukhothai provinces remain inundated as well as Chaiyaphum and Phichit provinces experienced flooding on August 25 and August 30, respectively. Flash floods occurred at Chiang Rai province on August 20, at Mae Hong Son and Chiang Mai provinces on August 27 and also at Chanthaburi province on August 29. Gusty wind was reported at Bangkok Metropolis on August 25. Besides, the southwest monsoon was

strengthened during the middle of the period causing plentiful rainfall in southern part especially along the west coast where consecutive of very heavy rainfall was found in several places with the maximum daily rainfall, 211.9 mm at Phuket Airport on August 25. Floods occurred at Phuket and Phang-nga provinces on August 25 with flash flood and mudslide at Ranong province on August 28. Gusty wind was reported at Satun province on August 27 and at Phattalung on the following day.

---

**Note** : Rainfall, temperatures and natural disasters in this report were updated up to September 2, 2011.

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
August 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	26.3	0.1	590.0	212.3	1679.4	454.2
Mae Hong Son	27.1	0.5	311.7	57.9	1268.3	357.1
Phayao	26.6	-0.1	181.5	-8.8	1116.3	382.4
Chiang Mai	26.9	0.2	260.5	36.1	1117.6	372.1
Tha Wang Pha	26.8	-0.1	315.1	19.6	1440.7	343.7
Nan	27.1	0.1	302.2	31.3	1541.8	606.8
Lamphun	27.0	-0.3	249.3	96.1	1239.6	634.3
Lampang	27.2	0.0	306.7	113.3	1310.4	609.0
Mae Sariang	26.2	0.1	371.0	145.7	1237.7	411.4
Phrae	27.1	-0.1	254.9	42.5	1216.7	439.3
Uttaradit	27.7	-0.1	410.1	146.5	1452.7	456.3
Bhumibol Dam	27.5	-0.5	92.7	-21.7	875.5	320.6
Tak	27.8	0.2	104.9	-23.0	888.4	313.4
Mae Sot	26.0	0.6	355.5	22.2	1574.1	466.4
Umphang	24.5	0.4	277.5	24.9	1461.3	470.8
Phitsanulok	27.9	-0.1	368.2	111.5	1314.9	409.1
Lom Sak	27.3	0.1	167.7	-23.4	655.7	-102.1
Phetchabun	27.3	0.1	232.0	42.7	1153.3	379.0
Wichian Buri	28.1	0.1	230.6	23.7	1112.9	292.5
Kamphaeng Phet	27.8	0.1	108.7	-65.1	973.8	208.2
Over the area	27.0	0.1	274.5	49.2 22%	1231.6	391.4 47%

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	27.6	0.3	349.0	28.4	1645.1	439.9
Loei	26.7	-0.3	440.0	264.7	1317.4	439.2
Udon Thani	27.5	-0.2	333.6	52.5	1182.1	109.1
Nakhon Phanom	27.2	0.4	640.2	61.4	2116.0	232.0
Sakon Nakhon	27.2	-0.1	458.1	90.4	1468.8	166.1
Mukdahan	27.3	0.1	532.4	184.8	1470.0	305.1
Khon Kaen	27.2	-0.4	222.8	15.5	820.7	-23.7
Kosum Phisai	28.0	0.0	167.5	-40.3	909.5	48.6
Roi Et	27.6	-0.1	314.6	55.5	862.3	-121.7
Chaiyaphum	27.2	-0.2	325.8	163.4	886.9	152.0
Ubon Ratchathani	27.3	-0.1	449.1	140.8	1294.3	134.6
Tha Tum	28.0	-0.1	277.7	55.8	939.7	-26.7
Surin	27.4	-0.1	240.9	16.3	1202.6	272.3
Nakhon Ratchasima	27.8	-0.1	159.0	12.8	852.9	216.0
Chok Chai	27.6	-0.1	122.4	-25.2	581.7	-89.2
Nang Rong	27.3	-0.4	163.1	-20.8	856.1	82.2
Over the area	27.4	-0.1	324.8	66.0 26%	1150.4	145.9 15%

- 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 dry-bulb temperature
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
August 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	0.0	292.2	107.2	1164.2	473.0
Bua Chum	27.9	0.1	131.0	-45.0	603.9	-79.2
Lop Buri	28.2	0.0	116.7	-49.5	722.0	52.3
Suphan Buri	28.5	0.1	66.2	-61.0	575.6	30.4
Thong Pha Phum	26.3	0.1	334.9	5.4	1588.3	271.4
Kanchanaburi	28.7	0.5	145.0	36.0	779.4	230.1
Bangkok Airport	28.5	0.1	311.0	146.7	1511.1	774.7
Bangkok Metropolis	28.5	0.1	297.0	83.4	1653.1	775.1
Over the area	28.1	0.1	211.8	27.9 15%	1074.7	316.0 42%

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	28.2	0.1	367.3	-10.4	1542.5	225.8
Kabin Buri	27.5	-0.1	175.3	-139.2	811.3	-350.0
Aranyaprathet	28.0	0.6	269.0	61.7	918.0	21.0
Chon Buri	28.9	0.3	509.5	346.6	1197.8	453.6
Ko Sichang	28.5	-0.2	169.4	29.1	679.9	21.4
Pattaya	28.2	-0.1	111.3	19.3	736.7	158.5
Sattahip	28.5	-0.1	169.4	57.4	919.2	234.1
Rayong	28.1	-0.6	288.0	156.2	1062.3	199.1
Chanthaburi	27.7	0.5	563.0	57.7	2137.6	126.8
Khlong Yai	27.0	0.1	712.3	-359.1	3380.2	-259.7
Over the area	28.1	0.1	333.5	22.0 7%	1338.6	83.0 7%

- 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 dry-bulb temperature
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
August 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	28.5	0.0	125.1	23.8	654.1	229.9
Hua Hin	28.5	0.2	65.9	-15.8	462.3	8.9
Prachuap Khiri Khan	27.8	0.2	72.0	-30.4	704.7	133.9
Chumphon	27.7	0.8	135.4	-82.1	1302.3	277.7
Surat Thani	27.4	0.6	159.4	13.3	1464.4	763.8
Ko Samui	28.4	0.3	152.5	31.1	2066.3	1242.0
Nakhon Si Thammarat	27.6	0.0	194.1	78.4	2830.1	1956.7
Songkhla	27.8	-0.7	222.2	110.8	1442.8	817.7
Hat Yai Airport	26.9	-0.3	221.3	109.2	1050.2	323.9
Pattani Airport	27.3	0.0	144.5	7.7	1104.5	413.3
Narathiwat	27.5	0.0	241.5	77.8	1919.2	1050.2
Over the area	27.8	0.1	157.6	29.4 23%	1363.7	656.1 93%

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	0.7	561.0	-253.7	2969.4	135.2
Takua Pa	27.2	-0.1	772.9	224.2	2948.6	745.5
Phuket	28.4	0.5	346.6	53.1	1423.6	73.4
Phuket Airport	28.0	0.3	554.1	245.8	1919.5	461.0
Ko Lanta	27.7	-0.3	395.2	80.1	1344.0	47.2
Trang Airport	26.9	0.1	208.5	-85.5	1499.0	231.9
Satun	27.2	-0.1	391.1	136.9	1531.4	217.0
Over the area	27.5	0.2	461.3	57.2 14%	1947.9	273.1 16%

- 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 dry-bulb temperature
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.