

## Monthly Weather Summary in Thailand

### August 2012

The monsoon trough mostly lying across Myanmar, Laos and upper Vietnam during the first half of the month, consequently, less rainfall was observed in majority areas. In the second half of the month, rainfall relatively increased in most parts of the country due to the influence of the remnant of typhoon "KAI-TAK"(1213) over Myanmar and upper Laos during mid month, the monsoon trough moving southward to lie over upper Thailand during late month and the strengthening of southwest monsoon. However, the total rainfall over Thailand in August was 12 percent lower than normal with below normal in most parts of Thailand i.e. northern part 18.3 mm (8%), northeastern part 13.5 mm (5%), central part 2.8 mm (2%), eastern part 109.8 mm (35%) and southern part (east coast) 34.3 mm (27%) except for slightly above normal in southern part (west coast) 3.1 mm (1%). Mean temperatures were above normal in every parts.

**1 – 10 August:** The monsoon trough lay over Myanmar, Laos and upper Vietnam during early and mid period after that it moved southwards to lie across the northern and northeastern parts of Thailand towards the active low pressure cell in the Gulf of Tonkin. In addition, the moderate southwest monsoon prevailed over Andaman Sea, Thailand and The Gulf of Thailand almost the whole period. These caused widely scattered to scattered rain with isolated heavy rainfall in upper Thailand during early and mid period then increasing in rainfall to widespread rain especially in the northern and northeastern parts where obtained heavy rainfall in many areas during August 8 and 9 with flash flooding at Phayao, Nan and Tak provinces during that time and also thunderstorm at Phitsanulok province on August 10. The maximum daily rainfall of 187.5 mm was reported at Amphoe Muang in Bung Kan province on August 8. Southern Thailand obtained less rainfall, isolated to widely scattered rain was found with heavy rainfall in some areas. The highest daily rainfall amount was 90.0 mm at Tak Bai in Narathiwat province on August 6.

**11 – 20 August:** The monsoon trough migrating northwards to lie over upper Myanmar and Laos towards the low pressure cell in the Gulf of Tonkin during the first half of the period. In addition, the typhoon KAI-TAK in the upper South China Sea made landfall at Quang Ninh, northern Vietnam on August 18 and weakening gradually before dissipating at the border of southern China and Myanmar which induced the southwest monsoon strengthened during the second half of the period. These conditions produced abundant rainfall in upper Thailand nearly the whole period with the maximum daily rainfall of 183.0 mm at Ban Nong Rahang School, Khet Khlong Sam Wa in Bangkok Metropolis on August 18. Thunderstorm was reported at Prachin Buri, Samut Prakan and Bangkok Metropolis on August 12, Chanthaburi on August 14, Tak on August 19 and also at Phrae on August 20. In Southern Thailand, rainfall mainly observed during the second half of the period, fairly widespread rain with isolated heavy rainfall was found with the heaviest daily rainfall of 94.4 mm at Agrometeorological station in Yala province on August 12 and flash flooding at Phuket province on August 20.

**21 – 31 August:** Under the influence of the low pressure trough moving southwards to lie over the northern and northeastern part of Thailand coupled with more active southwest monsoon, bringing an increased in rainfall in upper Thailand both amount and distribution especially in the northern and northeastern parts where fairly widespread rain with isolated heavy to very heavy rainfall was found

nearly the whole period. The maximum daily rainfall, 150.0 mm, was measured at Thung Fon in Udon Thani province on August 24. Flash floods occurred at Nan and Uttaradit provinces on August 26 and Uttaradit, Sukhothai and Chanthaburi provinces on August 29. Across southern Thailand, rainfall relatively increased in particular along the west coast where obtained widespread rain with heavy to very heavy rainfall in several areas almost the whole period. There was heaviest daily rainfall of 187.8 mm with flash flood in Ranong province on August 28. Flash floods also affected Phang-nga and Phuket provinces on August 22 and Trang provinces on August 28.

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- Note :**
1. Rainfall, temperatures and natural disasters in this report were updated up to September 3, 2012.
  2. KAI-TAK (1213) : name of the old airport contributed by Hong Kong (People's Republic of China).

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
August 2012

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	27.0	0.8	328.8	-48.9	1477.9	252.7
Mae Hong Son	27.0	0.4	216.7	-37.1	1246.1	334.9
Phayao	27.0	0.3	125.6	-64.7	613.6	-120.3
Chiang Mai	27.7	1.0	185.4	-39.0	658.9	-86.6
Tha Wang Pha	27.0	0.1	266.8	-28.7	936.2	-160.8
Nan	27.4	0.4	110.0	-160.9	918.6	-16.4
Lamphun	27.7	0.4	175.7	22.5	573.6	-31.7
Lampang	27.5	0.3	120.7	-72.7	867.2	165.8
Mae Sariang	26.0	-0.1	233.8	8.5	943.7	117.4
Phrae	27.4	0.2	129.3	-83.1	986.8	209.4
Uttaradit	28.1	0.3	296.0	32.4	1117.6	121.2
Bhumibol Dam	27.9	-0.1	30.1	-84.3	454.5	-100.4
Tak	27.7	0.1	124.1	-3.8	660.0	85.0
Mae Sot	25.3	-0.1	535.4	202.1	1669.3	561.6
Umphang	24.0	-0.1	307.4	54.8	1221.9	231.4
Phitsanulok	27.8	-0.2	166.9	-89.8	773.5	-132.3
Lom Sak	27.1	-0.1	215.8	24.7	678.2	-79.6
Phetchabun	27.4	0.2	195.2	5.9	730.8	-43.5
Wichian Buri	27.9	-0.1	220.2	13.3	750.6	-69.8
Kamphaeng Phet	27.7	0.0	156.0	-17.8	768.0	2.4
Over the area	27.1	0.2	207.0	-18.3 -8%	902.4	62.2 7%

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	0.5	186.3	-134.3	1216.0	10.8
Loei	27.6	0.6	177.3	2.0	778.2	-100.0
Udon Thani	27.9	0.2	171.2	-109.9	689.3	-383.7
Nakhon Phanom	27.0	0.2	469.8	-109.0	1907.1	23.1
Sakon Nakhon	27.5	0.2	321.3	-46.4	1542.3	239.6
Mukdahan	27.6	0.4	202.8	-144.8	908.3	-256.6
Khon Kaen	27.4	-0.2	230.3	23.0	835.2	-9.2
Kosum Phisai	27.9	-0.1	362.3	154.5	1188.9	328.0
Roi Et	28.0	0.3	296.2	37.1	885.6	-98.4
Chaiyaphum	27.4	0.0	146.5	-15.9	705.0	-29.9
Ubon Ratchathani	27.7	0.3	355.8	47.5	1064.7	-95.0
Tha Tum	28.6	0.5	326.3	104.4	985.7	19.3
Surin	27.9	0.4	218.2	-6.4	760.1	-170.2
Nakhon Ratchasima	28.5	0.6	142.6	-3.6	694.2	57.3
Chok Chai	28.3	0.6	76.9	-70.7	602.3	-68.6
Nang Rong	28.0	0.3	240.8	56.9	774.7	0.8
Over the area	27.8	0.3	245.3	-13.5 -5%	971.1	-33.4 -3%

- 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  
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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	28.5	0.2	109.3	-75.7	576.2	-115.0
Bua Chum	28.1	0.3	323.2	147.2	830.6	147.5
Lop Buri	28.1	-0.1	159.8	-6.4	631.1	-38.6
Suphan Buri	28.4	0.0	120.9	-6.3	529.3	-15.9
Thong Pha Phum	25.9	-0.3	289.2	-40.3	1535.2	218.3
Kanchanaburi	28.3	0.1	45.0	-64.0	463.7	-85.6
Bangkok Airport	29.0	0.6	215.0	50.7	883.5	147.1
Bangkok Metropolis	28.6	0.2	186.6	-27.0	829.0	-49.0
Over the area	28.1	0.1	181.1	-2.8 -2%	784.8	26.1 3%

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	28.1	0.0	351.7	-26.0	1287.6	-29.1
Kabin Buri	27.3	-0.3	288.7	-25.8	1179.3	18.0
Aranyaprathet	28.1	0.7	122.3	-85.0	707.1	-189.9
Chon Buri	29.5	0.9	75.7	-87.2	665.1	-79.1
Ko Sichang	28.8	0.1	68.3	-72.0	631.3	-27.2
Pattaya	28.4	0.1	91.4	-0.6	463.8	-114.4
Sattahip	29.2	0.6	47.9	-64.1	739.1	54.0
Rayong	28.9	0.2	64.7	-67.1	806.8	-56.4
Chanthaburi	28.2	1.0	245.5	-259.8	1868.4	-142.4
Khlong Yai	27.6	0.7	661.1	-410.3	3536.9	-103.0
Over the area	28.4	0.4	201.7	-109.8 -35%	1188.5	-67.1 -5%

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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	28.7	0.2	123.2	21.9	582.4	158.2
Hua Hin	29.0	0.7	43.1	-38.6	483.4	30.0
Prachuap Khiri Khan	28.4	0.8	31.3	-71.1	523.2	-47.6
Chumphon	27.9	1.0	112.4	-105.1	1031.7	7.1
Surat Thani	27.8	1.0	121.9	-24.2	1160.4	459.8
Ko Samui	29.1	1.0	42.0	-79.4	866.9	42.6
Nakhon Si Thammarat	28.5	0.9	141.1	25.4	1565.6	692.2
Songkhla	28.7	0.2	157.3	45.9	1105.3	480.2
Hat Yai Airport	27.8	0.6	34.4	-77.7	759.4	33.1
Pattani Airport	28.3	1.0	61.8	-75.0	979.7	288.5
Narathiwat	28.0	0.5	164.7	1.0	1315.2	446.2
Over the area	28.4	0.7	93.9	-34.3 -27%	943.0	235.4 33%

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	27.3	0.9	842.9	28.2	3937.9	1103.7
Takua Pa	27.4	0.1	468.2	-80.5	2958.7	755.6
Phuket	28.9	1.0	437.4	143.9	1840.7	490.5
Phuket Airport	28.5	0.8	392.9	84.6	2175.0	716.5
Ko Lanta	28.4	0.4	286.5	-28.6	1710.8	414.0
Trang Airport	27.4	0.6	228.4	-65.6	1631.7	364.6
Satun	27.7	0.4	194.4	-59.8	1614.3	299.9
Over the area	27.9	0.6	407.2	3.1 1%	2267.0	592.2 35%

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