

Monthly Weather Summary in Thailand

August 2008

During August 2008, low pressure trough mostly lying across northern and upper northeastern part and southwest monsoon prevailing over Andaman Sea, Thailand and the Gulf of Thailand caused nearly even distribution of rainfall over upper Thailand in most of August and abundant rainfall during early month as well. The another caused of that much rainfall was the influence of tropical storm “KAMMURI” that made landfall over upper Vietnam which induced southwest monsoon strengthened. However, there was a period of the low pressure trough that disappeared and southwest monsoon that weakened during mid August resulted in decreasing rainfall. For southern Thailand, both distribution and amount rainfall was mainly distributed during early and late month while there were scanty rainfall during mid month. Monthly rainfall was less than normal in most parts of Thailand i.e. northern part 26.3 mm (12%), northeastern part 37.9 mm (15%), eastern part 77.7 mm (25%), southern part (east coast) 34.5 mm (27%) and southern part (west coasts) 180.4 mm (45%) while it was inversely above normal in central part 4.9 mm (3%). Mean temperatures were slightly above normal in general.

1 – 10 August: Thailand experienced abundant rainfall throughout the period especially during the middle of the period. Tropical storm “KAMMURI” in the upper South China Sea made landfall over South China before passed the uppermost of Tonkin Gulf and hit northern Vietnam. As it moved inland, it downgraded to the tropical depression and low pressure cell covering upper Laos which induced the southwest monsoon that prevailing over Andaman Sea, Thailand and the Gulf of Thailand strengthened. The maximum daily rainfall in upper Thailand was 173.9 mm at Sakon Nakhon Agromet Station on August 1 while southern part had its highest amount of 108.7 mm at Amphoe Ka Poe, Ranong province on August 7. Flash floods were reported at Nan and Phetchabun province on August 2 and August 7, respectively.

11 – 20 August: Fairly widespread rain was found over upper Thailand with heavy to very heavy rainfall in some areas during the beginning and the end of the period. Decreasing rainfall occurred in the middle of the period due to the disappearance of low pressure trough and the weakening of southwest monsoon. The highest amount of rainfall was 176.5 mm at Amphoe Laem Sing at Chanthaburi province on August 19 and flooding at Nong Khai, Nakhon Phanom, Amnat Chareon and Mukdahan provinces during the end of the period. For southern part, rainfall was relatively decreased particularly along the west coast where there was scanty rain and widely scattered to scattered rain was found along the east coast. The maximum daily rainfall of southern part was 67.2 mm at Yala Agromet station on August 13.

21 – 31 August: Scattered to fairly widespread rain occurred over upper Thailand mainly during the second half of the period with the maximum daily rainfall of 174.0 mm at King Amphoe Fao Rai in Nong Khai province on August 26. Flash floods were reported at Chiang Rai province on August 21 and 26 and also at Nan provinces on August 26. For southern Thailand, fairly widespread rain was found with heavy to very heavy rainfall in some areas, the highest rainfall amount was 106.0 mm at Prom Kiri, Nakhonsri Thammarat province on August 29. Flash floods occurred at Trang province on August 23.

Note : Rainfall, temperatures and natural disasters in this report was updated up to September 10, 2008.

Climatological Group
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
August 2008

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	304.6	-73.1	1256.3	31.1
Mae Hong Son	26.8	0.2	250.4	-3.4	1127.0	215.8
Phayao	26.5	-0.2	207.1	16.8	786.5	52.6
Chiang Mai	27.3	0.6	170.9	-53.5	675.3	-70.2
Tha Wang Pha	26.8	-0.1	331.8	36.3	1437.7	340.7
Nan	27.5	0.5	279.4	8.5	913.7	-21.3
Lamphun	27.3	0.0	251.2	98.0	722.9	117.6
Lampang	27.7	0.5	100.0	-93.4	592.5	-108.9
Mae Sariang	26.3	0.2	182.4	-42.9	788.9	-37.4
Phrae	27.5	0.3	131.3	-81.1	957.0	179.6
Uttaradit	28.1	0.3	210.7	-52.9	875.0	-121.4
Bhumibol Dam	28.1	0.1	47.8	-66.6	454.1	-100.8
Tak	28.1	0.5	66.2	-61.7	591.3	16.3
Mae Sot	26.0	0.6	253.6	-79.7	1325.3	217.6
Umphang	24.5	0.4	122.0	-130.6	1026.6	36.1
Phitsanulok	27.9	-0.1	285.3	28.6	761.2	-144.6
Lom Sak	27.3	0.1	165.9	-25.2	696.3	-61.5
Phetchabun	27.3	0.1	194.0	4.7	952.1	177.8
Wichian Buri	28.1	0.1	247.7	40.8	1171.9	351.5
Kamphaeng Phet	27.5	-0.2	176.9	3.1	1056.3	290.7
Over the area	27.1	0.2	199.0	-26.3 -12%	908.4	68.2 8%

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	27.7	0.4	411.1	90.5	1728.5	523.3
Loei	26.9	-0.1	75.5	-99.8	756.6	-121.6
Udon Thani	27.7	0.0	157.7	-123.4	1142.4	69.4
Nakhon Phanom	27.2	0.4	471.1	-107.7	2352.1	468.1
Sakon Nakhon	27.3	0.0	336.9	-30.8	1590.7	288.0
Mukdahan	27.6	0.4	142.0	-205.6	945.5	-219.4
Khon Kaen	27.4	-0.2	211.7	4.4	1221.2	376.8
Kosum Phisai	28.0	0.0	237.8	30.0	1112.7	251.8
Roi Et	28.2	0.5	115.8	-143.3	847.6	-136.4
Chaiyaphum	27.5	0.1	256.7	94.3	1134.0	399.1
Ubon Ratchathani	27.7	0.3	232.4	-75.9	958.9	-200.8
Tha Tum	28.3	0.2	141.0	-80.9	746.4	-220.0
Surin	27.6	0.1	222.5	-2.1	856.7	-73.6
Nakhon Ratchasima	28.1	0.2	187.3	41.1	833.4	196.5
Chok Chai	27.9	0.2	133.8	-13.8	775.9	105.0
Nang Rong	27.7	0.0	201.3	17.4	906.2	132.3
Over the area	27.7	0.2	220.9	-37.9 -15%	1119.3	114.8 11%

- 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
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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	28.2	-0.1	216.6	31.6	819.3	128.1
Bua Chum	28.1	0.3	209.6	33.6	754.5	71.4
Lop Buri	28.4	0.2	112.4	-53.8	824.9	155.2
Suphan Buri	28.7	0.3	120.0	-7.2	535.8	-9.4
Thong Pha Phum	26.2	0.0	389.8	60.3	1334.3	17.4
Kanchanaburi	28.8	0.6	103.7	-5.3	812.5	263.2
Bangkok Airport	29.0	0.6	186.2	21.9	946.8	210.4
Bangkok Metropolis	29.1	0.7	172.1	-41.5	1131.2	253.2
Over the area	28.3	0.3	188.8	4.9 3%	894.9	136.1 18%

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	333.3	-44.4	1293.5	-23.2
Kabin Buri	27.5	-0.1	366.9	52.4	1265.6	104.3
Aranyaprathet	28.2	0.8	179.2	-28.1	855.0	-42.0
Chon Buri	29.1	0.5	178.4	15.5	726.3	-17.9
Ko Sichang	28.8	0.1	52.0	-88.3	675.7	17.2
Pattaya	28.4	0.1	78.0	-14.0	740.2	162.0
Sattahip	28.9	0.3	54.5	-57.5	862.8	177.7
Rayong	28.8	0.1	123.8	-8.0	819.0	-44.2
Chanthaburi	27.9	0.7	357.1	-148.2	2451.4	440.6
Khlong Yai	27.1	0.2	614.7	-456.7	3048.8	-591.1
Over the area	28.3	0.3	233.8	-77.7 -25%	1273.8	18.2 1%

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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	29.1	0.6	35.9	-65.4	357.7	-66.5
Hua Hin	28.8	0.5	22.7	-59.0	353.3	-100.1
Prachuap Khiri Khan	28.6	1.0	19.8	-82.6	654.2	83.4
Chumphon	28.0	1.1	76.4	-141.1	1064.1	39.5
Surat Thani	27.6	0.8	78.5	-67.6	718.0	17.4
Ko Samui	28.8	0.7	12.3	-109.1	1026.5	202.2
Nakhon Si Thammarat	27.8	0.2	176.8	61.1	1310.9	437.5
Songkhla	27.9	-0.6	212.4	101.0	1089.7	464.6
Hat Yai Airport	27.0	-0.2	152.0	39.9	913.0	185.1
Pattani Airport	27.6	0.3	77.3	-59.5	853.2	162.0
Narathiwat	27.1	-0.4	166.9	3.2	831.0	-38.0
Over the area	28.0	0.3	93.7	-34.5 -27%	833.8	126.1 18%

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	27.6	1.2	284.9	-529.8	2625.2	-209.0
Takua Pa	27.3	0.0	230.0	-318.7	2201.4	-1.7
Phuket	28.5	0.6	184.7	-108.8	1494.4	144.2
Phuket Airport	28.1	0.4	252.9	-55.4	1539.4	80.9
Ko Lanta	27.9	-0.1	299.1	-16.0	1456.4	159.6
Trang Airport	27.4	0.6	98.8	-195.2	980.2	-286.9
Satun	27.6	0.3	215.6	-38.6	1293.3	-21.1
Over the area	27.8	0.5	223.7	-180.4 -45%	1655.8	-19.0 -1%

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