

Monthly Weather Summary in Thailand August 2009

The low pressure trough lying across northern and upper northeastern part occasionally weakened and disappeared, consequently, less rainfall was observed in majority areas. However, there were some other causes which induced rainfall increase i.e. low pressure trough lying over the northern and northeastern parts towards the low pressure cell in the Gulf of Tonkin, tropical storm "GONI" making landfall over southern China and covering the Gulf of Tonkin during early month and low pressure cell covering over Myanmar, upper Vietnam and head Gulf of Thailand for few days. For southern Thailand, plentiful rainfall was produced along the west coast particularly during the end of this month by the influence of the southwest monsoon prevailing over Andaman Sea, Thailand and the Gulf of Thailand and strengthening during late month. Monthly rainfall was below normal in most parts of Thailand i.e. northern part 30.1 mm (13%), northeastern part 28.9 mm (11%), eastern part 137.6 mm (44%) and southern part (east coast) 32.0 mm (25%) while it was inversely above normal in central part 59.9 mm (33%) and southern part (west coast) 27.6 mm (7%). Mean temperatures of August were above normal in general.

1 – 10 August: The low pressure trough lay across northern and upper northeastern parts of Thailand during the beginning and the end of the period. In addition, the tropical storm "GONI" in the upper South China Sea made landfall over southern China before downgrading into the tropical depression and moving into the Gulf of Tonkin. It briefly became tropical storm again on August 8 and covered the Gulf of Tonkin before weakening back to tropical depression and low pressure cell, respectively. These caused abundant rainfall in northern and northeastern parts mainly during the second half of the period. The maximum daily rainfall was 162.6 mm in Nakhon Phanom province on August 9 with flooding on the following day. Flash floods were reported at Phitsanulok province on August 4 and Chiang Rai province on August 6 and 7. Southern Thailand experienced plentiful of rainfall during the middle and the end of the period with the maximum rainfall of 102.0 mm at Phato in Chumphon province on August 4.

11 – 20 August: Upper Thailand received abundant rainfall in northern, northeastern and central parts during the beginning and the middle of the period. There was heaviest daily rainfall of 164.9 mm with flash flood in Lop Buri province on August 13. Flash floods also effected Lampang province on August 14 and Nan provinces on August 15 as well. For southern Thailand, rainfall was relatively decreased with widely scattered to scattered rain and heavy rainfall in some areas along the east coast while southern part (west coast) obtained isolated rain during early period and then fairly widespread rain was found. The maximum daily rainfall, 84.1 mm, was measured at Kho Hong Agrometeorological Station in Songkhla province on August 14.

21 – 31 August: The effect of low pressure cell covering upper Vietnam on August 22, northeastern part of Thailand on August 27 and the head Gulf of Thailand on August 28 and 29 induced more active southwest monsoon. Therefore, rainfall relatively increased in upper Thailand both amount and distribution with scattered to fairly widespread rain and heavy to very heavy rainfall in some areas. The highest daily rainfall 130.9 mm was measured at Amphoe Muang in Ubon Ratchathani province on August 22. Flash floods were reported at Uthai Thani province on August 29 and flooding at Nakhon Ratchasima provinces on August 30. For southern parts, abundant rainfall was observed along the west coast with heavy to very heavy rainfall in some areas. The heaviest daily rainfall was 210.0 mm at Suk Samran in Ranong province on August 23. Flash floods occurred at Trang province on August 23 and Phangnga province on August 23 and 29.

Note : Rainfall, temperatures and natural disasters available in this report are preliminary data.

Monthly Current Report
Rainfall and Accumulative Rainfall
August 2009

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	283.4	-94.3	1275.8	50.6
Mae Hong Son	27.2	0.6	189.9	-63.9	671.1	-240.1
Phayao	27.0	0.3	169.3	-21.0	672.6	-61.3
Chiang Mai	28.0	1.3	126.8	-97.6	647.6	-97.9
Tha Wang Pha	27.4	0.5	284.0	-11.5	892.1	-204.9
Nan	28.1	1.1	220.9	-50.0	761.8	-173.2
Lamphun	28.0	0.7	56.3	-96.9	496.6	-108.7
Lampang	28.0	0.8	124.4	-69.0	702.0	0.6
Mae Sariang	26.7	0.6	360.4	135.1	1128.5	302.2
Phrae	27.8	0.6	195.7	-16.7	904.4	127.0
Uttaradit	28.5	0.7	169.9	-93.7	900.2	-96.2
Bhumibol Dam	28.2	0.2	245.6	131.2	989.8	434.9
Tak	28.7	1.1	114.6	-13.3	600.4	25.4
Mae Sot	26.5	1.1	272.1	-61.2	1433.3	325.6
Umphang	25.1	1.0	228.3	-24.3	1163.0	172.5
Phitsanulok	28.8	0.8	276.0	19.3	853.6	-52.2
Lom Sak	27.9	0.7	126.2	-64.9	776.8	19.0
Phetchabun	28.1	0.9	143.9	-45.4	762.4	-11.9
Wichian Buri	28.7	0.7	150.0	-56.9	682.4	-138.0
Kamphaeng Phet	28.4	0.7	166.4	-7.4	803.0	37.4
Over the area	27.7	0.8	195.2	-30.1 -13%	855.9	15.7 2%

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	28.4	1.1	257.7	-62.9	1486.5	281.3
Loei	27.5	0.5	171.5	-3.8	996.4	118.2
Udon Thani	28.4	0.7	110.1	-171.0	1124.9	51.9
Nakhon Phanom	27.9	1.1	483.1	-95.7	1959.4	75.4
Sakon Nakhon	27.9	0.6	257.3	-110.4	1303.8	1.1
Mukdahan	28.1	0.9	149.2	-198.4	1055.8	-109.1
Khon Kaen	28.0	0.4	180.8	-26.5	785.3	-59.1
Kosum Phisai	28.6	0.6	252.6	44.8	995.0	134.1
Roi Et	28.5	0.8	221.7	-37.4	974.8	-9.2
Chaiyaphum	28.1	0.7	311.0	148.6	976.2	241.3
Ubon Ratchathani	28.2	0.8	418.4	110.1	1540.1	380.4
Tha Tum	28.7	0.6	184.9	-37.0	1011.4	45.0
Surin	28.2	0.7	214.8	-9.8	1067.9	137.6
Nakhon Ratchasima	28.7	0.8	185.0	38.8	894.1	257.2
Chok Chai	28.5	0.8	94.8	-52.8	603.6	-67.3
Nang Rong	28.2	0.5	186.0	2.1	803.6	29.7
Over the area	28.2	0.7	229.9	-28.9 -11%	1098.7	94.2 9%

- 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
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 - 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	29.1	0.8	223.5	38.5	908.1	216.9
Bua Chum	28.8	1.0	160.1	-15.9	608.0	-75.1
Lop Buri	29.1	0.9	229.3	63.1	785.6	115.9
Suphan Buri	29.6	1.2	66.6	-60.6	341.2	-204.0
Thong Pha Phum	27.2	1.0	436.0	106.5	1586.9	270.0
Kanchanaburi	29.1	0.9	210.1	101.1	935.7	386.4
Bangkok Airport	29.3	0.9	271.1	106.8	1395.6	659.2
Bangkok Metropolis	29.5	1.1	354.0	140.4	1602.2	724.2
Over the area	29.0	1.0	243.8	59.9 33%	1020.4	261.7 34%

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	29.0	0.9	198.7	-179.0	1116.0	-200.7
Kabin Buri	28.1	0.5	154.4	-160.1	1014.4	-146.9
Aranyaprathet	28.8	1.4	199.7	-7.6	932.1	35.1
Chon Buri	29.6	1.0	161.1	-1.8	907.1	162.9
Ko Sichang	29.1	0.4	160.5	20.2	674.5	16.0
Pattaya	29.0	0.7	51.9	-40.1	616.9	38.7
Sattahip	29.3	0.7	89.2	-22.8	818.3	133.2
Rayong	29.0	0.3	89.6	-42.2	1017.9	154.7
Chanthaburi	28.3	1.1	236.7	-268.6	2101.5	90.7
Khlong Yai	27.9	1.0	397.0	-674.4	3651.6	11.7
Over the area	28.8	0.8	173.9	-137.6 -44%	1285.0	29.4 2%

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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	29.4	0.9	41.9	-59.4	523.9	99.7
Hua Hin	29.0	0.7	33.3	-48.4	439.7	-13.7
Prachuap Khiri Khan	28.6	1.0	37.4	-65.0	573.5	2.7
Chumphon	28.1	1.2	125.9	-91.6	981.3	-43.3
Surat Thani	27.5	0.7	145.4	-0.7	891.4	190.8
Ko Samui	28.9	0.8	97.4	-24.0	707.3	-117.0
Nakhon Si Thammarat	28.0	0.4	151.1	35.4	1173.4	300.0
Songkhla	28.4	-0.1	79.2	-32.2	865.0	239.9
Hat Yai Airport	27.4	0.2	70.6	-41.5	711.9	-14.4
Pattani Airport	27.9	0.6	116.0	-20.8	752.1	60.9
Narathiwat	28.0	0.5	160.5	-3.2	1535.2	666.2
Over the area	28.3	0.6	96.2	-32.0 -25%	832.2	124.6 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	27.3	0.9	683.9	-130.8	3314.3	480.1
Takua Pa	27.3	0.0	719.7	171.0	2608.7	405.6
Phuket	28.6	0.7	268.8	-24.7	1554.6	204.4
Phuket Airport	28.2	0.5	509.1	200.8	1831.3	372.8
Ko Lanta	28.5	0.5	129.2	-185.9	1120.0	-176.8
Trang Airport	27.4	0.6	251.6	-42.4	1127.8	-139.3
Satun	27.7	0.4	459.9	205.7	1526.4	212.0
Over the area	27.9	0.6	431.7	27.6 7%	1869.0	194.2 12%

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