

Monthly Weather Summary in Thailand

September 2008

Low pressure trough mostly lay across northern and upper northeastern parts and strengthened while moving downward to lie across central and eastern parts during mid September. When this event was associated with rather active southwest monsoon prevailing over the Andaman Sea, Thailand and the Gulf of Thailand, rainfall was quite evenly distributed over Thailand during early and mid September. Torrential rainfall occurring in several consecutive days especially in upper Thailand and southern part (west coast) caused flash floods in some areas. Decreasing rainfall occurred during late September due to the disappearance of low pressure trough and the weakening of southwest monsoon. However, there was much rainfall during 28-30 September caused by the influence of tropical storm "MEKKHALA" that made landfall over Dong Hoi in Vietnam and downgraded to tropical depression while moving westward into northeastern Thailand at Nong Khai province on the last day of September. Monthly rainfall was more than normal in most parts of Thailand i.e. northern part 10.7 mm (5%), northeastern part 129.1 mm (53%), central part 42.9 mm (16%), eastern part 92.3 mm (28%) and southern part (west coast) 12.2 mm (3%) while it was inversely below normal in southern part (east coast) 46.4 mm (32%). Mean temperatures were above normal in general.

1 – 11 September: Thailand experienced abundant rainfall throughout the period. The maximum daily rainfall in upper Thailand was 198.9 mm at Amphoe Khlong Yai, Trat province on September 10 while southern part had its highest amount of 235.1 mm at Amphoe Ko Lanta, Krabi province on September 5. Flash floods were reported at Nan province on September 5, Chiang Rai province on September 5 and 7, and Chiang Mai and Satun provinces on September 7.

12 – 21 September: Fairly widespread rain was found over upper Thailand with heavy rainfall in many areas and very heavy rainfall in some areas throughout the period. The highest amount of rainfall was 308.4 mm at Amphoe Khlong Yai in Trat province on September 15. The continuous heavy to very heavy rainfall from the last period caused flash flood in some areas of Tak, Phetchabun, Phichit, Phitsanulok, Loei, Khon Kaen, Chaiyaphum, Nakhon Ratchasima, Nong Bua Lam Phu, Ubon Ratchathani, Mukdahan, Buri Ram, Maha Sarakham, Nakhon Sawan, Lopburi, Phra Nakhon Si Ayutthaya, Saraburi, Nakhon Nayok, Prachinburi, Chachoengsao, Chon Buri, Chanthaburi and Trat provinces. For southern part, rainfall was relatively decreased from the last period particularly along the west coast where there was isolated rain with heavy to very heavy rainfall in some areas during the first half of this period. Along the east coast of southern part, widely scattered to scattered rain was found almost the period. The maximum daily rainfall of southern part was 150.0 mm at Amphoe Phato, Chumphon province on September 12.

22 – 30 September: After decreasing rainfall occurred during the first half of the period due to the disappearance of low pressure trough and the weakening of southwest monsoon, the low pressure trough became apparent over upper Thailand and lay towards the tropical storm "MEKKHALA" in the middle of South China Sea on September 29 that made landfall at Dong Hoi in Vietnam on September 30. As it moved inland, it downgraded to the tropical depression while moving pass Laos into northeastern part of Thailand at Nong Khai province. It later weakened to active low pressure cell and covered Utharadit province on the same day. These produced increasing amount and distribution of rain on the last few days, especially in northeastern, central and eastern parts. The maximum daily rainfall was 130.5 mm at Amphoe Satuek in Buri Ram province on September 28. Floods were continuously reported from previous period at Phitsanulok, Khon Kaen, Surin, Chaiyaphum, Buri Ram, Lopburi, Prachinburi and Chanthaburi provinces. Flash flood occurred at Chachoengsao and Chanthaburi provinces on September 29. For southern Thailand, distantly even distribution of rainfall occurred over the area almost the period. The maximum daily rainfall of southern part was 89.3 mm at Amphoe Kapoe in Ranong province on September 28.

Note : Rainfall, temperatures and natural disasters in this report was updated up to October 6, 2008.

Climatological Group
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
September 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	26.8	0.9	169.6	-101.6	1425.9	-70.5
Mae Hong Son	26.9	0.2	176.0	-28.7	1303.0	187.1
Phayao	26.5	0.1	204.4	10.9	990.9	63.5
Chiang Mai	27.0	0.4	236.4	34.0	911.7	-36.2
Tha Wang Pha	27.0	0.2	237.6	54.6	1675.3	395.3
Nan	27.5	0.5	137.7	-58.8	1051.4	-80.1
Lamphun	26.6	-0.3	227.2	35.9	950.1	153.5
Lampang	27.0	0.2	191.6	-18.7	784.1	-127.6
Mae Sariang	26.5	-0.1	196.6	19.7	985.5	-17.7
Phrae	27.2	0.2	167.0	-18.4	1124.0	161.2
Uttaradit	28.2	0.3	106.5	-157.0	981.5	-278.4
Bhumibol Dam	27.6	0.1	227.3	8.7	681.4	-92.1
Tak	27.8	0.4	216.3	7.4	807.6	23.7
Mae Sot	26.1	0.1	419.6	259.7	1744.9	477.3
Umphang	24.3	0.0	188.7	-59.3	1215.3	-23.2
Phitsanulok	27.8	-0.3	282.4	51.8	1043.6	-92.8
Lom Sak	27.1	0.0	192.8	4.6	889.1	-56.9
Phetchabun	27.1	0.0	247.8	47.0	1199.9	224.8
Wichian Buri	27.9	0.1	413.9	169.6	1585.8	521.1
Kamphaeng Phet	27.5	-0.2	221.2	-47.3	1277.5	243.4
Over the area	27.0	0.1	223.0	10.7 5%	1131.4	78.9 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	27.5	0.2	335.8	100.4	2064.3	623.7
Loei	26.7	0.4	314.0	94.1	1070.6	-27.5
Udon Thani	27.4	-0.1	312.7	88.4	1455.1	157.8
Nakhon Phanom	27.2	0.2	380.0	103.5	2732.1	571.6
Sakon Nakhon	27.3	0.1	395.5	184.2	1986.2	472.2
Mukdahan	27.2	-0.1	297.0	61.5	1242.5	-157.9
Khon Kaen	26.7	-0.4	408.8	172.7	1630.0	549.5
Kosum Phisai	27.5	-0.1	425.0	197.5	1537.7	449.3
Roi Et	27.5	0.1	326.7	77.1	1174.3	-59.3
Chaiyaphum	26.9	-0.3	363.3	134.0	1497.3	533.1
Ubon Ratchathani	27.3	0.1	276.5	-13.2	1235.4	-214.0
Tha Tum	27.6	0.0	549.6	273.3	1296.0	53.3
Surin	27.1	-0.1	481.1	221.9	1337.8	148.3
Nakhon Ratchasima	27.4	0.2	349.8	123.2	1183.2	319.7
Chok Chai	27.2	0.1	310.7	79.6	1086.6	184.6
Nang Rong	27.1	-0.1	409.0	167.6	1315.2	299.9
Over the area	27.2	0.0	371.0	129.1 53%	1490.3	243.9 20%

- 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
September 2008

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	27.9	0.0	379.8	161.6	1199.1	289.7
Bua Chum	27.4	-0.1	338.4	75.3	1092.9	146.7
Lop Buri	27.9	0.1	470.2	206.5	1295.1	361.7
Suphan Buri	28.4	0.3	197.1	-56.8	732.9	-66.2
Thong Pha Phum	26.5	-0.1	235.9	-6.6	1570.2	10.8
Kanchanaburi	28.2	0.3	191.5	-36.3	1004.0	226.9
Bangkok Airport	28.5	0.4	283.1	9.7	1229.9	220.1
Bangkok Metropolis	28.5	0.5	335.2	-10.1	1466.4	243.1
Over the area	27.9	0.2	303.9	42.9 16%	1198.8	179.0 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	28.0	0.0	546.0	190.3	1839.5	167.1
Kabin Buri	27.3	-0.3	448.1	144.9	1713.7	249.2
Aranyaprathet	27.8	0.5	330.8	72.6	1185.8	30.6
Chon Buri	28.4	0.5	313.6	31.9	1039.9	14.0
Ko Sichang	28.3	0.4	132.4	-157.0	808.1	-139.8
Pattaya	27.8	0.2	114.1	-100.6	854.3	61.4
Sattahip	28.2	0.4	260.4	29.0	1123.2	206.7
Rayong	28.1	0.1	182.3	-80.8	1001.3	-125.0
Chanthaburi	27.1	0.2	695.9	195.8	3147.3	636.4
Khlong Yai	26.8	-0.1	1231.7	597.1	4280.5	6.0
Over the area	27.8	0.2	425.5	92.3 28%	1699.4	110.6 7%

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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	28.6	0.5	90.5	-66.2	448.2	-132.7
Hua Hin	28.3	0.5	84.0	-37.7	437.3	-137.8
Prachuap Khiri Khan	27.6	0.1	119.2	30.8	773.4	114.2
Chumphon	27.2	0.4	172.9	4.9	1237.0	44.4
Surat Thani	26.9	0.4	68.3	-69.7	786.3	-52.3
Ko Samui	28.2	0.5	89.4	-27.6	1115.9	174.6
Nakhon Si Thammarat	27.5	0.4	140.6	-19.5	1451.5	418.0
Songkhla	28.0	0.0	82.7	-47.3	1172.4	417.3
Hat Yai Airport	27.0	0.3	33.4	-126.0	946.4	59.1
Pattani Airport	27.6	0.6	102.3	-49.0	955.5	113.0
Narathiwat	27.7	0.5	86.4	-102.5	917.4	-140.5
Over the area	27.7	0.4	97.2	-46.4 -32%	931.0	79.7 9%

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	26.9	0.7	729.2	67.9	3354.4	-141.1
Takua Pa	26.8	0.2	802.5	204.3	3003.9	202.6
Phuket	27.9	0.6	295.9	-86.9	1790.3	57.3
Phuket Airport	27.8	0.7	374.0	-34.9	1913.4	46.0
Ko Lanta	27.7	0.2	394.8	43.5	1851.2	203.1
Trang Airport	26.8	0.3	238.0	-92.2	1218.2	-379.1
Satun	26.9	0.1	332.3	-16.1	1625.6	-37.2
Over the area	27.3	0.4	452.4	12.2 3%	2108.1	-6.9 0%

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