

Monthly Weather Summary in Thailand

August 2010

The monsoon trough lay across upper Thailand accompanied with the southwest monsoon blowing across the Andaman Sea, Thailand and the Gulf of Thailand occasionally strengthened. In addition, the easterly wave moved to the central, eastern and upper southern parts during mid month and the low pressure cell covering the coastal of upper Vietnam. Moreover, during late August, the tropical storm "MINDULLE" made landfall in upper Vietnam and dissipated at the border of Laos and upper northern Thailand. These conditions caused abundant rainfall over Thailand throughout the month especially in upper Thailand where experienced plentiful of rainfall that caused flash flooding in several places. In southern part, rainfall occurred mainly during mid month with scattered to fairly widespread rain and isolated heavy to very heavy rainfall. Monthly rainfall was above normal in most parts of Thailand especially in northern and northeastern parts where rainfall exceed 50 percent of normal rainfall. August rainfall was above normal i.e. northern part 112.5 mm (50%), northeastern part 144.7 mm (56%), central part 66.6 mm (36%), eastern part 83.3 mm (27%) and southern part (east coast) 6.1 mm (5%) while it was inversely below normal in southern part (west coast) 107.9 mm (27%). Mean temperatures were above normal in most parts except for slightly below normal in eastern part.

1 – 10 August: The monsoon trough lying over upper Thailand mostly lay across the northern and northeastern parts. In addition, the rather active southwest monsoon prevailed over Andaman Sea, Thailand and The Gulf of Thailand and the low pressure cell covered the coastal of upper Vietnam for few days. These caused plentiful of rainfall over Thailand particularly in upper Thailand. The maximum daily rainfall of 172.0 mm was reported at Sang Khom in Udon Thani province on August 9. Thunderstorm was reported at Amnat Charoen on August 1, Mukdahan on August 4 and flash floods were reported at Phitsanulok, Nan and Phrae provinces on August 3, Chiang Rai on August 6, Nan on August 9 and also landslide occurred at Trat province on August 2. In southern Thailand, rainfall was found during early and late period with heavy to very heavy rainfall in some places. The highest daily rainfall amount was 105.7 mm at Amphoe Muang in Ranong province on August 9.

11 – 20 August: Under the influence of the rather active southwest monsoon and the passage of the easterly wave to the central, eastern and upper southern parts accompanied with the low pressure cell covering the coastal of upper Vietnam resulted in abundant rainfall in upper Thailand. The maximum daily rainfall of 166.8 mm was found at Satuek in Buriram province on August 11 with landslide at Phrae province on August 13 and also flash floods at Lampang province on August 14. Across southern Thailand, rainfall was relative increased, scattered to fairly widespread rain was observed with very to very heavy rainfall in some areas almost the whole period. The heaviest daily rainfall was 121.8 mm at Rueso in Narathiwat province on August 19.

21 – 31 August: The moderate to rather active southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand throughout the period. The monsoon trough which lay across the northern and northeastern parts of Thailand during the first half of the period strengthened and then shifted northward to lie across the upper portions. Moreover, tropical storm "MINDULLE" in the middle South China Sea hit northern Vietnam on 24 August and dissipated on the following day over Laos close to upper northern Thailand. These conditions produced torrential rain with several flooding in upper Thailand especially in the northern and northeastern parts. Flash floods occurred at Kalasin province on August 21, Chiang Rai, Lampang, Lamphun, Chaiyaphum and Prachin Buri provinces on August 22, Nakhon Sawan and Chanthaburi provinces

on August 23, Phayao and Uttaradit provinces on August 25, Nan province on August 26 and also at Mae Hong Son, Phrae, Phetchabun and Phichit provinces on August 28. Floods was found at Sukhothai and Sakon Nakhon provinces on August 24 and at Ubon Ratchathani, Saraburi and Phra Nakhon Si Ayutthaya provinces on August 28. Southern Thailand received scattered to fairly widespread rain with isolated heavy to very heavy rainfall mainly during early and late period while isolated to widely scattered rain was found during mid-period. The highest daily rainfall was 95.0 mm at Panare in Pattani province on August 21.

Note : Rainfall, temperatures and natural disasters in this report were updated up to September 2, 2010.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
August 2010

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	26.7	0.5	472.2	94.5	1175.0	-50.2
Mae Hong Son	27.3	0.7	371.3	117.5	941.5	30.3
Phayao	26.6	-0.1	213.9	23.6	761.1	27.2
Chiang Mai	27.1	0.4	470.6	246.2	784.1	38.6
Tha Wang Pha	27.1	0.2	492.6	197.1	1233.1	136.1
Nan	27.4	0.4	614.6	343.7	1120.9	185.9
Lamphun	27.1	-0.2	547.1	393.9	890.4	285.1
Lampang	27.4	0.2	281.6	88.2	676.4	-25.0
Mae Sariang	26.8	0.7	235.3	10.0	671.5	-154.8
Phrae	27.4	0.2	401.1	188.7	726.3	-51.1
Uttaradit	28.0	0.2	348.8	85.2	808.2	-188.2
Bhumibol Dam	27.8	-0.2	117.6	3.2	622.7	67.8
Tak	28.2	0.6	111.1	-16.8	669.1	94.1
Mae Sot	26.2	0.8	368.3	35.0	858.6	-249.1
Umphang	24.8	0.7	357.2	104.6	1044.1	53.6
Phitsanulok	27.9	-0.1	284.4	27.7	688.1	-217.7
Lom Sak	27.1	-0.1	233.4	42.3	575.0	-182.8
Phetchabun	27.2	0.0	280.9	91.6	805.1	30.8
Wichian Buri	27.9	-0.1	308.0	101.1	1053.6	233.2
Kamphaeng Phet	27.9	0.2	245.0	71.2	1008.7	243.1
Over the area	27.2	0.3	337.8	112.5 50%	855.7	15.5 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	27.3	0.0	688.5	367.9	1338.5	133.3
Loei	26.7	-0.3	462.0	286.7	1066.0	187.8
Udon Thani	27.3	-0.4	573.4	292.3	1281.5	208.5
Nakhon Phanom	27.1	0.3	539.0	-39.8	1572.1	-311.9
Sakon Nakhon	27.3	0.0	397.8	30.1	1108.9	-193.8
Mukdahan	27.4	0.2	717.4	369.8	1408.8	243.9
Khon Kaen	27.3	-0.3	329.6	122.3	933.9	89.5
Kosum Phisai	28.1	0.1	269.1	61.3	686.9	-174.0
Roi Et	27.8	0.1	316.9	57.8	867.0	-117.0
Chaiyaphum	27.5	0.1	457.0	294.6	955.4	220.5
Ubon Ratchathani	27.3	-0.1	478.1	169.8	1128.0	-31.7
Tha Tum	28.1	0.0	341.7	119.8	955.4	-11.0
Surin	27.6	0.1	333.4	108.8	955.0	24.7
Nakhon Ratchasima	27.9	0.0	151.1	4.9	734.6	97.7
Chok Chai	27.7	0.0	253.4	105.8	903.3	232.4
Nang Rong	27.8	0.1	146.8	-37.1	715.1	-58.8
Over the area	27.5	0.0	403.5	144.7 56%	1038.2	33.7 3%

- 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
August 2010

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	28.1	-0.2	242.2	57.2	734.2	43.0
Bua Chum	27.9	0.1	252.6	76.6	699.4	16.3
Lop Buri	28.2	0.0	154.3	-11.9	624.3	-45.4
Suphan Buri	28.5	0.1	144.3	17.1	432.1	-113.1
Thong Pha Phum	26.7	0.5	354.2	24.7	936.3	-380.6
Kanchanaburi	28.4	0.2	126.2	17.2	541.7	-7.6
Bangkok Airport	28.2	-0.2	387.4	223.1	1249.8	513.4
Bangkok Metropolis	28.7	0.3	343.1	129.5	1304.6	426.6
Over the area	28.1	0.1	250.5	66.6 36%	815.3	56.6 7%

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	-0.1	741.8	364.1	1645.5	328.8
Kabin Buri	27.4	-0.2	218.1	-96.4	757.3	-404.0
Aranyaprathet	27.8	0.4	344.5	137.2	851.1	-45.9
Chon Buri	28.8	0.2	249.6	86.7	825.2	81.0
Ko Sichang	28.4	-0.3	299.7	159.4	831.4	172.9
Pattaya	27.9	-0.4	242.0	150.0	681.7	103.5
Sattahip	28.2	-0.4	256.5	144.5	953.7	268.6
Rayong	28.3	-0.4	361.6	229.8	1356.7	493.5
Chanthaburi	27.3	0.1	512.7	7.4	2221.0	210.2
Khlong Yai	27.1	0.2	721.2	-350.2	2712.4	-927.5
Over the area	27.9	-0.1	394.8	83.3 27%	1283.6	28.0 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	28.6	0.1	170.9	69.6	537.5	113.3
Hua Hin	28.4	0.1	159.7	78.0	398.3	-55.1
Prachuap Khiri Khan	27.8	0.2	107.9	5.5	417.9	-152.9
Chumphon	27.3	0.4	167.5	-50.0	740.7	-283.9
Surat Thani	27.6	0.8	110.2	-35.9	660.2	-40.4
Ko Samui	28.5	0.4	93.0	-28.4	682.8	-141.5
Nakhon Si Thammarat	28.0	0.4	128.9	13.2	843.5	-29.9
Songkhla	28.6	0.1	98.6	-12.8	612.4	-12.7
Hat Yai Airport	27.4	0.2	139.1	27.0	715.1	-11.2
Pattani Airport	28.0	0.7	172.6	35.8	500.6	-190.6
Narathiwat	27.7	0.2	128.5	-35.2	745.2	-123.8
Over the area	28.0	0.3	134.3	6.1 5%	623.1	-84.5 -12%

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	0.5	614.9	-199.8	2106.9	-727.3
Takua Pa	27.3	0.0	453.3	-95.4	2084.7	-118.4
Phuket	28.8	0.9	255.4	-38.1	1331.5	-18.7
Phuket Airport	27.9	0.2	342.8	34.5	1735.9	277.4
Ko Lanta	28.5	0.5	91.9	-223.2	1044.8	-252.0
Trang Airport	27.7	0.9	146.7	-147.3	1061.3	-205.8
Satun	28.0	0.7	168.3	-85.9	1422.2	107.8
Over the area	27.9	0.6	296.2	-107.9 -27%	1541.0	-133.8 -8%

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