

Monthly Weather Summary in Thailand

June 2013

Under the influence of active southwest monsoon that periodically prevailed over the Andaman Sea, Thailand and the Gulf of Thailand associated with the monsoon trough during mid-June and active low pressure cell that weakened from tropical storm “BEBINCA (1305)” covering the upper Vietnam in late June, Thailand occasionally received abundant rainfall almost all areas. However, the consecutive dry days were observed in several areas during June 12-18 when the monsoon trough moved southwards to lie across lower portion of central part and upper portion of southern part. The southern part (east coast) had also scanty rainfall during early and late June. These conditions causing weather of June 2013 was wetter than usual. Monthly rainfall over the country was 14 % above normal especially breaking 30 years record (during 1984-2013) of monthly rainfall in central part and southern part (west coast). However the accumulated rainfall of Thailand since 1 January was 2 % below normal. Mean temperatures of June were slightly above normal in much of upper Thailand and lower portion of southern part. Thailand’s mean temperature of the month was 28.5 degrees, 0.2 degrees above normal.

1 – 9 June: Affected by the moderate to rather active southwest monsoon prevailed over the Andaman Sea, Thailand and the Gulf of Thailand during the first half of the period and a broad area of low pressure over the lower portion of the South China Sea and the Gulf of Thailand during early period, these produced scattered to fairly widespread rain in upper Thailand almost the period with isolated heavy to very heavy rainfall mainly during the first half of the period. The maximum daily rainfall of 225.0 mm was found at Muang in Buengkan province on June 4. Thunderstorms were reported at Phitsanulok province on June 3 and Chiang Mai province on June 5 with flood at Buengkan province on June 4. In southern part, plentiful of rainfall was found especially in the west coast with isolated heavy to very heavy rainfalls during the first half and the last day of the period while widely scattered to scattered rain was found in the east coast almost the period with isolated heavy to very heavy rainfalls. The maximum daily rainfall was 139.8 mm at Rueso in Narathiwat province on June 5. Flash flood was reported at Phuket province on June 9. Nevertheless, more than 5 day consecutive dry days were observed in some areas of southern part especially in Phatthalung province where there was no rain throughout the period.

10 – 18 June: With the strengthening and moving further southward of the monsoon trough that lay across the lower central, upper southern and eastern parts associated with the strengthening of the southwest monsoon during early and middle period, bringing plentiful of rainfall in northern, northeastern and upper central parts during the first half of the period after that the consecutive dry days were observed in several areas. However, widespread rain with heavy to very heavy rainfall occurred mainly in eastern part and west coast of southern part. The highest daily rainfall of 181.5 mm was recorded in upper Thailand at Muang in Sa Kaeo province on June 11. In southern part, the highest daily rainfall amount was 188.8 mm at Takua Pa in Phang-nga province on June 10. Flash floods were reported at Nan province on June 11, Surat Thani, Phang-nga and Satun provinces on June 12 and Prachin Buri province on June 13. Landslide was reported at Trang province on June 13 and Trad province on June 16. Furthermore, thunderstorm with gusty wind occurred at Chumphon province on June 18.

19 – 30 June: The southwest monsoon was active during the first half of this period accompany with an active low pressure cell located in the upper South China Sea which subsequently intensified into tropical depression and tropical storm “BEBINCA (1305)” on June

21. It moved west- northwestward into Hainan Island and the Gulf of Tonkin and before making landfall and dissipating over upper Vietnam on June 23 and 24 respectively. The remnant of BEBINCA located over upper Vietnam during June 24-25. In addition, the southeasterly wind prevailed over northern and northeastern parts of Thailand during June 26-27. Resulted in scattered to fairly widespread rain in upper Thailand almost the period and heavy to very heavy rainfall in some areas mainly in early and middle period. The highest daily rainfall amount was 146.5 mm at Khemarat in Ubon Ratchathani province on June 21. Thunderstorm with gusty wind was reported at Amnat Charoen province on June 22. Flash flood occurred at Prachin Buri province and gusty wind at Trad province on June 23. Rainfall in southern part was reducing to isolated to widely scattered rainfall almost the period with isolated heavy rainfall. The highest daily rainfall was 76.0 mm at Muang in Ranong province on June 21. Thunderstorm with gusty wind was reported at Ranong province on June 21.

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- Note** : 1. Rainfall, temperatures and natural disasters available in this report are preliminary data.
2. During June 2013, there were 2 tropical cyclones moved into the upper South China Sea namely tropical storm “BEBINCA (1305)” during 20-24 June and tropical storm “RUMBIA (1306)” during 28 June- 3 July. These tropical storms did not enter Thailand and RUMBIA did not direct effect on weather in Thailand.

Climatological Center
Meteorological Development Bureau
Meteorological Department

Monthly Current Report
Rainfall and Accumulative Rainfall
June 2013

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	27.6	0.4	243.4	65.0	476.2	-63.0
Mae Hong Son	28.4	0.8	128.9	-61.6	321.9	-135.5
Phayao	28.0	0.4	108.5	5.7	302.5	-114.3
Chiang Mai	28.9	1.3	39.7	-84.8	204.5	-170.2
Tha Wang Pha	27.3	0.1	208.6	-98.8	669.4	-107.4
Nan	28.8	0.5	165.2	31.4	307.9	-151.8
Lamphun	28.2	0.0	159.0	34.8	374.3	30.0
Lampang	28.8	0.5	44.9	-72.6	359.9	-18.3
Mae Sariang	27.6	0.8	124.8	-58.2	229.4	-182.8
Phrae	28.8	0.6	78.4	-60.4	416.1	-25.1
Uttaradit	29.1	0.2	196.1	-10.3	431.8	-119.0
Bhumibol Dam	28.4	-0.1	126.3	19.8	198.0	-202.8
Tak	28.5	0.1	175.0	47.2	329.6	-53.6
Mae Sot	26.9	0.6	290.9	35.5	332.8	-167.0
Umphang	25.4	0.4	233.0	45.5	547.2	-0.4
Phitsanulok	28.8	-0.2	347.3	181.6	502.7	66.3
Lom Sak	28.5	0.3	120.2	-16.0	286.2	-129.7
Phetchabun	28.8	0.6	67.2	-94.5	438.3	-31.8
Wichian Buri	29.2	0.1	229.5	85.2	598.7	135.4
Kamphaeng Phet	28.5	0.1	218.8	53.7	482.2	16.7
Over the area	28.2	0.3	165.3	9.1 6%	390.5	-57.9 -13%

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	28.6	0.4	153.3	-109.0	553.8	-82.2
Loei	27.8	0.0	181.6	22.0	430.8	-92.4
Udon Thani	28.5	-0.1	150.9	-78.1	363.2	-216.4
Nakhon Phanom	28.2	0.4	250.5	-159.0	855.2	-6.6
Sakon Nakhon	28.2	0.1	290.3	23.5	730.6	51.4
Mukdahan	28.7	0.4	204.6	-28.8	732.4	163.2
Khon Kaen	28.8	0.2	56.8	-104.8	233.3	-254.1
Kosum Phisai	29.4	0.4	68.0	-109.8	326.9	-171.7
Roi Et	28.9	0.2	196.4	-27.1	522.2	-27.3
Chaiyaphum	28.8	0.3	117.4	-20.2	312.3	-128.2
Ubon Ratchathani	28.8	0.4	75.8	-164.4	481.2	-102.3
Tha Tum	29.2	0.1	144.6	-61.5	390.3	-140.2
Surin	28.5	0.2	234.5	29.8	461.1	-79.4
Nakhon Ratchasima	29.2	0.1	61.4	-43.1	170.4	-221.8
Chok Chai	28.8	0.1	92.3	-15.0	342.6	-51.3
Nang Rong	28.6	0.0	72.0	-57.7	327.2	-122.9
Over the area	28.7	0.2	146.9	-56.5 -28%	452.1	-92.7 -17%

- 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	29.3	-0.1	135.8	-1.5	404.2	3.2
Bua Chum	28.8	-0.1	157.0	40.7	558.6	162.1
Lop Buri	29.1	0.1	160.4	36.4	261.7	-135.5
Suphan Buri	29.1	-0.1	196.0	101.6	276.5	-10.8
Thong Pha Phum	27.3	0.2	332.1	53.8	538.1	-137.7
Kanchanaburi	28.6	-0.4	184.2	97.8	304.8	-55.9
Bangkok Airport	29.6	0.2	392.2	224.1	595.5	70.5
Bangkok Metropolis	29.1	-0.4	175.6	18.5	501.3	-70.3
Over the area	28.9	0.0	216.7	71.5 49%	430.1	-21.8 -5%

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	0.1	435.6	212.1	626.5	-19.4
Kabin Buri	28.1	-0.3	297.5	99.6	509.9	-65.5
Aranyaprathet	28.6	0.0	303.7	140.1	538.3	36.3
Chon Buri	29.7	0.1	161.0	13.3	516.7	45.2
Ko Sichang	29.3	0.0	236.6	111.2	483.4	70.1
Pattaya	28.8	-0.1	163.0	44.0	321.7	-95.8
Sattahip	29.3	-0.1	71.3	-58.8	376.6	-108.1
Rayong	29.0	-0.4	338.1	173.0	722.7	149.9
Chanthaburi	28.1	0.2	562.3	49.7	1098.6	-58.7
Khlong Yai	27.6	0.2	828.7	-1.2	1491.9	-188.6
Over the area	28.8	0.0	339.8	78.3 30%	668.6	-23.6 -3%

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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	29.0	0.0	81.5	-10.5	172.2	-104.5
Hua Hin	28.7	-0.3	190.5	111.6	292.3	-22.9
Prachuap Khiri Khan	28.1	-0.3	173.0	86.8	422.6	36.0
Chumphon	27.8	0.2	123.7	-43.5	690.1	45.0
Surat Thani	27.8	0.2	93.1	-31.9	455.5	6.0
Ko Samui	29.0	0.3	95.8	-28.3	424.4	-160.1
Nakhon Si Thammarat	28.4	0.2	73.4	-43.9	890.5	189.1
Songkhla	28.9	0.3	110.1	10.2	669.7	192.0
Hat Yai Airport	27.9	0.2	86.9	-32.4	646.3	107.5
Pattani Airport	28.4	0.5	58.7	-50.7	507.1	53.3
Narathiwat	28.4	0.5	104.7	-18.5	972.5	361.7
Over the area	28.4	0.2	108.3	-4.7 -4%	558.5	63.8 13%

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	27.2	-0.1	949.9	300.5	1652.0	262.1
Takua Pa	27.4	-0.4	825.8	405.8	1987.5	736.8
Phuket	29.0	0.4	375.5	162.2	915.6	172.2
Phuket Airport	28.6	0.3	390.7	133.9	1022.9	166.9
Ko Lanta	28.8	0.3	342.9	84.4	965.0	245.4
Trang Airport	28.1	0.7	223.3	22.2	737.6	42.6
Satun	28.2	0.4	378.7	195.2	944.4	132.6
Over the area	28.2	0.2	498.1	186.3 60%	1175.0	251.2 27%

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