

Monthly Weather Summary in Thailand

August 2017

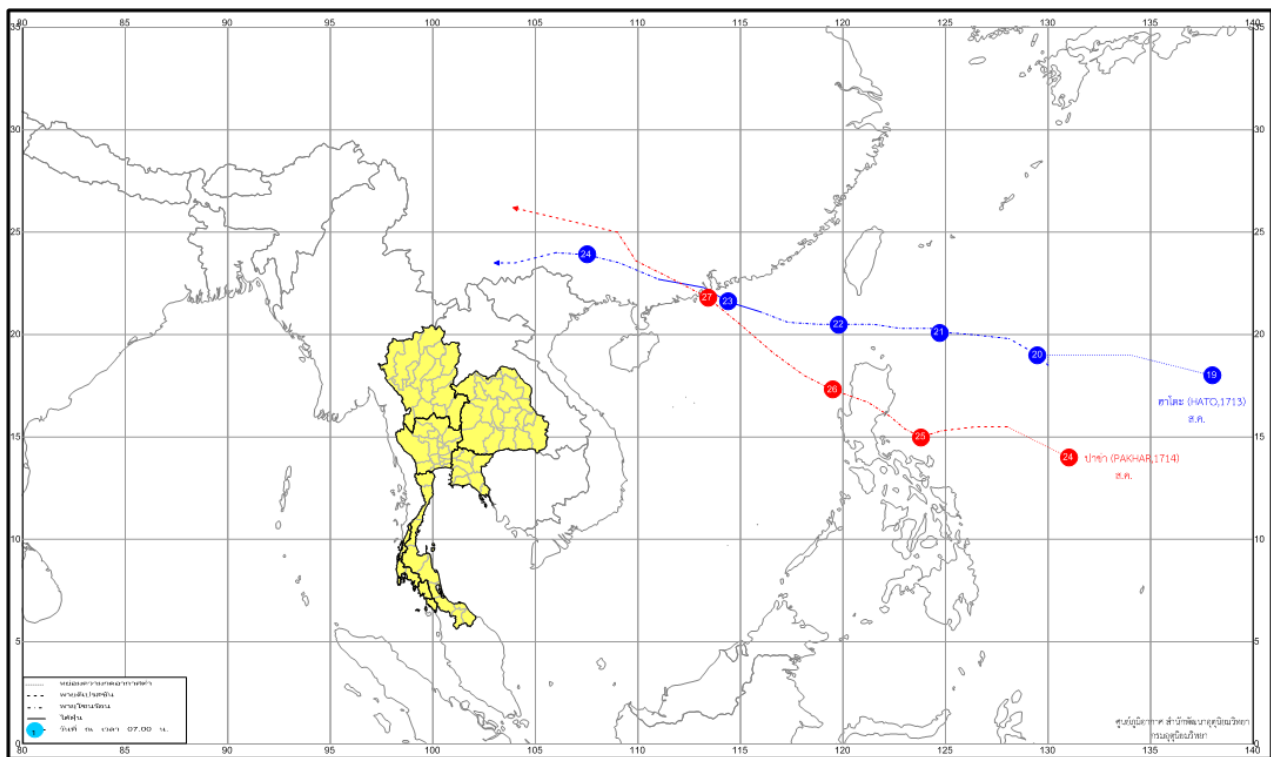
August 2017, the weather in Thailand was hotter than normal while most of Thailand received plentiful of rain nearly the whole month affected by the periodically active southwest monsoon prevailing over the Andaman Sea and Thailand throughout the month accompanied with the monsoon trough lay across the lower northern, upper central and northeastern parts in some period. Moreover there were 2 tropical cyclones having some effects on rainfall of Thailand during late August namely “HATO” (1713) and “PAKHAR” (1717). The average total rainfall over Thailand in this month was about 8% above normal and monthly rainfall was above normal i.e. northern part 15.5 mm (7%), central part 51.2 mm (28%), southern part (east coast) 32.7 mm (26%) and southern part (west coast) 97.3 mm (24%) whereas northeastern and eastern parts was below normal 2.6 mm (1%) and 26.5 mm (9%), respectively. More details on the weather are as follow:

1 – 10 August: Under the influence of an active southwest monsoon, the low pressure cell covered the upper Vietnam during the first half of the period and the monsoon trough lay across Myanmar, northern and northeastern parts of Thailand on August 6 and 7, upper Thailand received scattered to fairly widespread rain especially widespread rain with heavy to very heavy rainfall in some areas during middle period. The maximum daily rainfall of 146.5 mm was found at Amphoe Dontan in Mukdahan province on August 4. In southern part, scattered to fairly widespread rain with heavy to very heavy rainfall in some areas occurred along the east coast nearly the whole period while rainfall in the west coast was widespread rain with heavy to very heavy rainfall in some areas during the first half of the period then scattered to fairly widespread rain. The highest rainfall amount of southern Thailand was 140.0 mm at Amphoe Saba Yoi in Song Khla province on August 9.

11 – 20 August: The low pressure cell covered the upper Vietnam during first half of the period after that the monsoon trough lay across upper Thailand in addition with the weak southwest monsoon which prevailing over the Andaman Sea and Thailand was strengthened during middle and last of the period. These conditions caused isolated to scattered rain over upper Thailand with heavy rainfall in some areas during early period then increasing in rainfall to fairly widespread to widespread rain with heavy to very heavy rainfall in some areas. The maximum daily rainfall in upper Thailand was 121.0 mm at Amphoe Mueang in Trat province on August 16. For southern Thailand, scattered to fairly widespread rain with heavy to very heavy rainfall in some areas was reported along the east coast while the west coast became more rain with fairly widespread to widespread rain and heavy to very heavy rainfall in some areas during beginning and middle of the period after that rainfall was decreasing with isolated to scattered rain. The highest daily rainfall amount was 150.4 mm at Amphoe Wieng Sa in Surat Thani province on August 12.

21 – 31 August: Isolated to scattered rainfall reported in upper Thailand during early period. Rainfall was increasing to fairly widespread to widespread rain with heavy to very heavy rainfall in some areas as the southwest monsoon was strengthened during middle period and the monsoon trough lying across the lower northern, central and eastern parts during middle and last period associated with 2 tropical cyclones in upper South China Sea during late period namely

typhoon “HATO” (1713) and the tropical storm “PAKHAR” (1714). HATO made landfall over southern Guangdong, China in the afternoon of August 23 then downgraded to tropical storm in the evening of the same day before moving through Guangxi. HATO weakened into tropical depression and moved further to upper Vietnam in the afternoon of August 24 before degenerated into an area of low pressure cell over upper Laos in the morning of August 25. PAKHAR also made landfall over southern Guangdong, China and downgraded to tropical depression on August 27. After weakening into the active low pressure cell covered South China on August 28. The heaviest daily rainfall in upper Thailand was 185.5 mm at Amphoe Akat Amnuai in Sakon Nakhon province on August 28 with flooding occurred at Lampang province on August 31. The weather in Southern Thailand was isolated to scattered rain with heavy rainfall in some areas except for fairly widespread to widespread rain with heavy to very heavy rainfall in several areas during middle period. The highest daily rainfall was 170.0 mm at Amphoe Chaiburi in Surat Thani provinces on August 27.



Tracks of tropical storm effected on rainfall of Thailand in August 2017

Note : 1) Rainfall, temperatures and natural disasters in this report were updated up to September 6, 2017.

Monthly Current Report
Rainfall and Accumulative Rainfall
August 2017

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	27.1	0.6	389.6	31.2	1659.4	450.9
Mae Hong Son	27.4	0.5	235.4	-3.9	692.3	-231.3
Phayao	27.1	0.4	259.9	55.9	905.7	143.1
Chiang Mai	27.8	1.0	210.2	-6.7	1063.4	331.6
Tha Wang Pha	27.7	0.8	300.0	2.2	1161.6	87.0
Nan	27.9	0.6	163.3	-109.9	816.6	-117.0
Lamphun	28.0	0.7	215.1	42.4	1039.5	405.5
Lampang	27.6	0.2	295.3	109.0	1106.2	407.1
Mae Sariang	26.6	0.4	191.0	-29.4	825.3	11.5
Phrae	27.8	0.4	167.6	-37.9	1005.6	204.7
Uttaradit	28.6	0.6	320.9	57.5	1106.0	125.4
Bhumibol Dam	28.5	0.4	211.7	99.7	812.3	232.8
Tak	28.3	0.4	142.8	27.0	687.5	100.8
Mae Sot	26.5	0.9	219.5	-102.2	846.0	-304.5
Umphang	25.1	0.8	276.6	28.2	1085.4	57.8
Phitsanulok	28.6	0.5	257.1	9.5	1155.9	292.5
Lom Sak	27.9	0.6	197.4	-0.7	893.9	151.3
Phetchabun	28.2	0.9	285.6	86.6	1139.5	321.6
Wichian Buri	28.9	0.8	198.2	-11.0	1057.2	238.9
Kamphaeng Phet	28.3	0.5	231.9	61.4	1480.4	685.0
Over the area	27.7	0.6	238.5	15.5 7%	1027.0	179.6 21%

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	0.9	390.3	67.1	1689.4	448.8
Loei	27.7	0.6	172.9	-12.0	1244.4	390.5
Udon Thani	28.4	0.6	263.8	-21.3	1364.2	288.6
Nakhon Phanom	28.1	1.1	484.5	-95.8	2106.8	161.7
Sakon Nakhon	28.0	0.6	248.4	-109.5	2100.4	774.6
Mukdahan	28.6	1.3	281.2	-69.5	1711.0	559.2
Khon Kaen	27.9	0.2	229.2	12.8	1091.3	214.2
Kosum Phisai	28.7	0.7	256.3	24.4	1348.2	457.7
Roi Et	28.8	0.9	215.4	-36.8	1247.7	250.1
Chaiyaphum	28.2	0.6	187.9	-8.3	949.7	202.6
Ubon Ratchathani	28.9	1.3	316.3	13.0	1528.6	387.4
Tha Tum	28.7	0.5	164.6	-63.3	977.7	1.1
Surin	28.4	0.8	258.6	2.4	1214.4	196.4
Nakhon Ratchasima	28.6	0.5	296.4	139.2	1239.0	568.7
Chok Chai	28.5	0.6	182.4	28.9	853.4	187.1
Nang Rong	28.1	0.3	268.6	86.9	999.8	220.0
Over the area	28.4	0.7	263.6	-2.6 -1%	1354.1	331.7 32%

- 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
August 2017

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	28.8	0.4	201.5	23.2	1283.4	556.1
Bua Chum	28.8	0.8	199.6	30.4	957.0	275.3
Lop Buri	29.0	0.7	198.0	47.1	929.6	261.3
Suphan Buri	29.3	0.8	320.2	201.8	939.5	435.0
Thong Pha Phum	27.2	0.9	234.7	-109.0	1109.1	-233.6
Kanchanaburi	29.3	0.9	142.9	44.6	780.8	218.9
Bangkok Airport	29.3	0.5	190.7	19.8	1270.6	415.6
Bangkok Metropolis	29.3	0.5	370.7	151.4	1565.7	599.7
Over the area	28.9	0.7	232.3	51.2 28%	1104.5	316.1 40%

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	0.7	431.7	73.2	1465.1	188.8
Kabin Buri	28.4	0.7	304.7	14.3	1614.9	508.9
Aranyaprathet	28.9	1.1	211.6	3.0	1184.5	306.5
Chon Buri	29.9	0.9	149.2	-4.9	1094.7	331.2
Ko Sichang	29.0	0.3	186.0	49.2	770.8	97.3
Pattaya	29.0	0.6	118.2	20.6	719.5	110.0
Sattahip	29.1	0.3	45.1	-63.9	916.0	214.8
Rayong	29.2	0.4	90.8	-41.5	1117.1	240.2
Chanthaburi	28.4	0.9	414.7	-82.5	2842.7	705.0
Khlong Yai	27.4	0.4	808.4	-232.0	3496.8	-195.7
Over the area	28.8	0.6	276.0	-26.5 -9%	1522.2	250.6 20%

- 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
August 2017

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	29.2	0.6	176.2	83.9	822.6	372.7
Hua Hin	29.1	0.6	82.9	11.7	773.1	293.7
Prachuap Khiri Khan	28.5	0.7	44.7	-54.4	1111.6	516.6
Chumphon	27.7	0.6	166.8	-40.7	1686.1	654.5
Surat Thani	27.5	0.5	140.7	1.1	939.3	201.4
Ko Samui	28.8	0.6	42.8	-68.1	1585.8	774.1
Nakhon Si Thammarat	28.0	0.2	150.5	20.7	2586.0	1637.0
Songkhla	28.4	0.2	167.6	58.2	1437.3	755.2
Hat Yai Airport	27.4	0.0	225.6	112.6	1364.4	608.0
Pattani Airport	27.9	0.4	125.6	-8.4	1516.4	799.5
Narathiwat	27.3	-0.1	401.8	243.5	2710.5	1807.4
Over the area	28.2	0.4	156.8	32.7 26%	1503.0	765.3 104%

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	0.1	781.6	-7.5	3515.0	715.4
Takua Pa	27.2	-0.2	599.9	54.9	3013.4	771.7
Phuket	28.3	0.2	396.6	109.8	1607.5	319.1
Phuket Airport	28.4	0.4	406.9	77.1	1696.8	249.5
Ko Lanta	28.3	0.1	599.0	294.8	1829.1	510.9
Trang Airport	27.6	0.6	376.4	101.3	1896.1	667.5
Satun	27.5	0.1	310.3	51.0	1556.5	254.8
Over the area	27.7	0.1	495.8	97.3 24%	2159.2	498.4 30%

- 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

August 2017

Region	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
North	Chiang Rai	27.1	0.6	389.6	31.2	1659.4	450.9
	Mae Hong Son	27.4	0.5	235.4	-3.9	692.3	-231.3
	Phayao	27.1	0.4	259.9	55.9	905.7	143.1
	Chiang Mai	27.8	1.0	210.2	-6.7	1063.4	331.6
	Tha Wang Pha	27.7	0.8	300.0	2.2	1161.6	87.0
	Nan	27.9	0.6	163.3	-109.9	816.6	-117.0
	Lamphun	28.0	0.7	215.1	42.4	1039.5	405.5
	Lampang	27.6	0.2	295.3	109.0	1106.2	407.1
	Mae Sariang	26.6	0.4	191.0	-29.4	825.3	11.5
	Phrae	27.8	0.4	167.6	-37.9	1005.6	204.7
	Uttaradit	28.6	0.6	320.9	57.5	1106.0	125.4
	Bhumibol Dam	28.5	0.4	211.7	99.7	812.3	232.8
	Tak	28.3	0.4	142.8	27.0	687.5	100.8
	Mae Sot	26.5	0.9	219.5	-102.2	846.0	-304.5
	Umphang	25.1	0.8	276.6	28.2	1085.4	57.8
	Phitsanulok	28.6	0.5	257.1	9.5	1155.9	292.5
	Lom Sak	27.9	0.6	197.4	-0.7	893.9	151.3
	Phetchabun	28.2	0.9	285.6	86.6	1139.5	321.6
	Wichian Buri	28.9	0.8	198.2	-11.0	1057.2	238.9
Kamphaeng Phet	28.3	0.5	231.9	61.4	1480.4	685.0	
Northeast	Nong Khai	28.4	0.9	390.3	67.1	1689.4	448.8
	Loei	27.7	0.6	172.9	-12.0	1244.4	390.5
	Udon Thani	28.4	0.6	263.8	-21.3	1364.2	288.6
	Nakhon Phanom	28.1	1.1	484.5	-95.8	2106.8	161.7
	Sakon Nakhon	28.0	0.6	248.4	-109.5	2100.4	774.6
	Mukdahan	28.6	1.3	281.2	-69.5	1711.0	559.2
	Khon Kaen	27.9	0.2	229.2	12.8	1091.3	214.2
	Kosum Phisai	28.7	0.7	256.3	24.4	1348.2	457.7
	Roi Et	28.8	0.9	215.4	-36.8	1247.7	250.1
	Chaiyaphum	28.2	0.6	187.9	-8.3	949.7	202.6
	Ubon Ratchathani	28.9	1.3	316.3	13.0	1528.6	387.4
	Tha Tum	28.7	0.5	164.6	-63.3	977.7	1.1
	Surin	28.4	0.8	258.6	2.4	1214.4	196.4
	Nakhon Ratchasima	28.6	0.5	296.4	139.2	1239.0	568.7
Chok Chai	28.5	0.6	182.4	28.9	853.4	187.1	
Nang Rong	28.1	0.3	268.6	86.9	999.8	220.0	
Central	Nakhon Sawan	28.8	0.4	201.5	23.2	1283.4	556.1
	Bua Chum	28.8	0.8	199.6	30.4	957.0	275.3
	Lop Buri	29.0	0.7	198.0	47.1	929.6	261.3
	Suphan Buri	29.3	0.8	320.2	201.8	939.5	435.0
	Thong Pha Phum	27.2	0.9	234.7	-109.0	1109.1	-233.6
	Kanchanaburi	29.3	0.9	142.9	44.6	780.8	218.9
	Bangkok Airport	29.3	0.5	190.7	19.8	1270.6	415.6
	Bangkok Metropolis	29.3	0.5	370.7	151.4	1565.7	599.7
East	Prachin Buri	29.0	0.7	431.7	73.2	1465.1	188.8
	Kabin Buri	28.4	0.7	304.7	14.3	1614.9	508.9
	Aranyaprathet	28.9	1.1	211.6	3.0	1184.5	306.5
	Chon Buri	29.9	0.9	149.2	-4.9	1094.7	331.2
	Ko Sichang	29.0	0.3	186.0	49.2	770.8	97.3
	Pattaya	29.0	0.6	118.2	20.6	719.5	110.0
	Sattahip	29.1	0.3	45.1	-63.9	916.0	214.8
	Rayong	29.2	0.4	90.8	-41.5	1117.1	240.2
	Chanthaburi	28.4	0.9	414.7	-82.5	2842.7	705.0
	Khlong Yai	27.4	0.4	808.4	-232.0	3496.8	-195.7
South (East Coast)	Phetchaburi	29.2	0.6	176.2	83.9	822.6	372.7
	Hua Hin	29.1	0.6	82.9	11.7	773.1	293.7
	Prachuap Khiri Khan	28.5	0.7	44.7	-54.4	1111.6	516.6
	Chumphon	27.7	0.6	166.8	-40.7	1686.1	654.5
	Surat Thani	27.5	0.5	140.7	1.1	939.3	201.4
	Ko Samui	28.8	0.6	42.8	-68.1	1585.8	774.1
	Nakhon Si Thammarat	28.0	0.2	150.5	20.7	2586.0	1637.0
	Songkhla	28.4	0.2	167.6	58.2	1437.3	755.2
	Hat Yai Airport	27.4	0.0	225.6	112.6	1364.4	608.0
	Pattani Airport	27.9	0.4	125.6	-8.4	1516.4	799.5
Narathiwat	27.3	-0.1	401.8	243.5	2710.5	1807.4	
South (West Coast)	Ranong	26.9	0.1	781.6	-7.5	3515.0	715.4
	Takua Pa	27.2	-0.2	599.9	54.9	3013.4	771.7
	Phuket	28.3	0.2	396.6	109.8	1607.5	319.1
	Phuket Airport	28.4	0.4	406.9	77.1	1696.8	249.5
	Ko Lanta	28.3	0.1	599.0	294.8	1829.1	510.9
	Trang Airport	27.6	0.6	376.4	101.3	1896.1	667.5
	Satun	27.5	0.1	310.3	51.0	1556.5	254.8
	Over the area	28.2	0.6	261.1	20.2	1359.9	358.9
					8%		36%

- 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.

