

Monthly Weather Summary in Thailand

June 2024

In June 2024, Thailand experienced rainfall throughout most of the month due to the influence of a moderate to rather active southwest monsoon prevailing over the Andaman Sea, Thailand, and the Gulf of Thailand. This was accompanied by the monsoon trough periodically laying across the upper northern and upper northeastern parts toward the low-pressure cell covering Vietnam and the Gulf of Tonkin throughout the month. However, the amount and distribution of rain in Thailand were uneven, causing below-normal rainfall in most parts of the country. The average total rainfall in Thailand for this month was approximately 7% below the norm, with most regions reporting below-normal monthly rainfall: the northern region received 8.6 mm (6% of the norm), the northeastern region 12.3 mm (6%), the central region 33.9 mm (22%), the eastern region 26.9 mm (10%), and the southern region (east coast) 25.0 mm (21%), while it was inversely above norm in the southern region (west coast) with 24.0 mm (7%). The monthly mean temperature in Thailand was 0.8°C above the norm.

1 – 10 June: The moderate southwest monsoon, which prevailed over the Andaman Sea, Thailand, and the Gulf of Thailand, strengthened at the end of the period. Additionally, the monsoon trough extended over northern Thailand and upper Laos in the middle and latter parts of the period, moving towards a low-pressure cell that covered the coast of upper Vietnam and the Gulf of Tonkin throughout the period. These conditions caused abundant rainfall in upper Thailand, with heavy to very heavy rainfall in some places, especially in the northern and northeastern parts. The central and eastern parts received scattered to fairly widespread rain mainly in the middle and the end of the period. On 5 June, Amphoe Ban Phaeng in Nakhon Phanom province recorded the highest daily rainfall of 170.0 mm, and flooding occurred in Mae Hong Son province on 4 June, Tak province on 9 June, and Chanthaburi province on 10 June, with reports of gusty winds in Ubon Ratchathani province on 2 June and Amnat Charoen province on 5 June. Southern Thailand saw scattered to fairly widespread rain with heavy rainfall in some places at the beginning and the end of the period, while isolated light to moderate rain occurred in the middle of the period. On 10 June, Amphoe Suk Samran in Ranong province recorded the highest daily rainfall of 171.1 mm, and gusty winds occurred in Trang province on 2 June.

11 – 20 June: The southwest monsoon prevailed over the Andaman Sea, Thailand, and the Gulf of Thailand throughout the period, becoming rather active in the second half. Additionally, a low-pressure cell covered the coast of upper Vietnam and the Gulf of Tonkin throughout the period. These conditions led to rainfall over upper Thailand almost throughout the entire period, especially in the northern part, which experienced scattered to fairly widespread rain with heavy rainfall in some places. The rest of the region received isolated to scattered rain almost the whole period, with heavy rainfall in some places. On 19 June, Amphoe Laem Ngop in Trat province recorded the highest daily rainfall of 190.5 mm, and gusty winds occurred in Trang province on 2 June. In southern Thailand, isolated to scattered rain was observed along the east coast with heavy rainfall in some places, while isolated to scattered rain was found along the west coast in the first half of the period, followed by an increase in rainfall, ranging from fairly widespread rain to heavy and very heavy rainfall in some places. On 17 June, Phuket Airport in Phuket province recorded the highest daily rainfall of 100.4 mm.

21 – 30 June: The southwest monsoon prevailed over the Andaman Sea, Thailand, and the Gulf of Thailand throughout the period, being rather active at the beginning and middle of the period. Additionally, from 23-27 June, the monsoon trough extended over the upper northern and upper northeastern parts. Concurrently, a low-pressure cell covered upper Vietnam almost throughout the entire period. These conditions caused scattered to fairly widespread rain in northern and northeastern parts almost the entire period, with heavy rainfall in several areas and very heavy rainfall in some places. The central part received isolated to scattered rain with heavy rainfall in some places, except for fairly widespread rain with heavy rainfall in some areas on 25, 28, and 30 June. The eastern part experienced scattered rain, except for fairly widespread rain with heavy to very heavy rainfall in some places on 25, 26, 29, and 30 June. On 22 June, Amphoe Klong Yai in Trat province recorded the highest daily rainfall of 243.5 mm. In southern Thailand, abundant rainfall was observed throughout the period, ranging from fairly widespread rain with heavy rainfall in several areas to very heavy rainfall in some places. On 22 June, Amphoe Suk Samran in Ranong province recorded the highest daily rainfall of 133.6 mm.

Note : Rainfall, temperatures and natural disasters in this report were updated up to July 5, 2024.

Climate Center, Meteorological Development Division
Thai Meteorological Derogionment

Monthly Current Report
Rainfall and Accumulative Rainfall
June 2024

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	28.4	0.9	169.4	-16.8	477.7	-91.3
Mae Hong Son	28.6	0.7	171.7	-8.4	383.1	-61.2
Phayao	28.7	0.8	89.9	-10.5	287.4	-130.5
Chiang Mai	29.2	1.2	68.4	-49.8	175.8	-205.5
Tha Wang Pha	28.8	1.4	183.0	-23.5	678.7	-195.9
Nan	29.2	0.5	240.0	105.2	519.5	54.7
Lamphun	29.3	0.8	161.4	38.4	311.6	-59.6
Lampang	29.4	0.8	146.2	26.5	399.9	-17.1
Mae Sariang	27.8	0.7	124.8	-62.1	381.6	-37.7
Phrae	29.3	0.8	52.6	-89.3	374.6	-78.1
Uttaradit	29.9	0.7	116.6	-82.1	471.8	-56.1
Bhumibol Dam	28.7	0.0	70.1	-38.6	465.6	55.6
Tak	29.5	0.7	110.4	-6.0	244.8	-135.1
Mae Sot	27.1	0.3	357.8	111.0	508.9	37.3
Umphang	26.0	0.7	149.7	-38.3	391.0	-151.7
Phitsanulok	29.8	0.5	91.4	-69.7	412.0	-26.4
Lom Sak	29.3	0.8	49.6	-78.1	304.4	-85.3
Phetchabun	29.7	1.0	107.0	-34.2	383.5	-78.7
Wichian Buri	30.0	0.7	290.0	138.3	526.9	64.3
Kamphaeng Phet	29.5	0.8	144.8	-12.4	338.2	-124.8
Over the area	28.9	0.7	144.7	-8.6 -6%	401.9	-48.0 -11%

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	29.3	0.7	440.5	187.8	773.6	132.2
Loei	28.6	0.5	167.9	3.9	679.0	170.4
Udon Thani	29.5	0.7	211.2	-7.3	433.9	-123.7
Nakhon Phanom	28.7	0.6	488.5	91.5	851.5	2.9
Sakon Nakhon	29.1	0.7	157.7	-104.4	474.8	-201.9
Mukdahan	29.7	1.0	151.7	-53.1	374.4	-164.6
Khon Kaen	29.6	0.8	132.0	-13.7	480.6	24.0
Kosum Phisai	30.4	1.1	137.3	-17.7	391.2	-104.7
Roi Et	30.2	1.1	102.6	-87.1	497.9	-13.7
Chaiyaphum	30.0	1.2	47.1	-86.1	299.3	-137.7
Ubon Ratchathani	29.8	1.1	210.0	-26.9	646.9	61.4
Tha Tum	29.8	0.6	125.0	-56.4	418.7	-76.8
Surin	30.1	1.5	138.6	-55.5	274.7	-255.4
Nakhon Ratchasima	30.8	1.5	99.3	-20.7	346.0	-72.8
Chok Chai	30.2	1.3	163.9	53.0	431.4	38.9
Nang Rong	29.1	0.4	122.2	-5.2	369.4	-85.4
Over the area	29.7	0.9	181.0	-12.3 -6%	484.0	-50.4 -9%

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
June 2024

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	30.3	0.8	83.5	-57.1	421.8	3.1
Bua Chum	30.5	1.3	155.4	31.4	563.4	163.3
Lop Buri	30.3	1.0	91.4	-22.4	430.7	49.1
Suphan Buri	30.8	1.3	32.3	-60.2	168.6	-136.7
Thong Pha Phum	27.6	0.3	295.1	45.5	604.9	-17.9
Kanchanaburi	30.4	1.0	19.1	-79.8	157.3	-212.7
Bangkok Airport	30.5	0.8	179.0	-11.7	403.9	-169.7
Bangkok Metropolis	30.8	1.1	81.6	-116.9	420.0	-184.6
Over the area	30.2	1.0	117.2	-33.9 -22%	396.3	-63.4 -14%

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	30.2	1.1	177.6	-41.9	473.6	-123.6
Kabin Buri	29.2	0.8	254.7	74.8	451.2	-83.7
Aranyaprathet	30.3	1.4	58.3	-110.3	249.1	-248.7
Chon Buri	31.2	1.3	47.7	-95.7	456.2	-11.3
Ko Sichang	30.7	1.2	49.0	-86.9	302.8	-119.9
Pattaya	30.1	1.1	12.2	-119.9	361.4	-43.2
Sattahip	30.3	0.8	54.2	-102.8	434.1	-84.8
Rayong	30.3	0.8	78.0	-99.9	588.7	3.6
Chanthaburi	29.1	0.9	516.9	17.2	1196.6	48.9
Khlong Yai	28.1	0.6	1073.0	295.8	1664.1	-1.6
Over the area	30.0	1.0	232.2	-26.9 -10%	617.8	-66.4 -10%

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Rainfall and Accumulative Rainfall
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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	30.3	1.0	39.3	-47.7	138.4	-148.9
Hua Hin	30.2	1.0	26.6	-55.8	206.1	-107.6
Prachuap Khiri Khan	29.3	0.7	74.0	-18.8	284.4	-123.1
Chumphon	29.0	1.1	91.7	-71.3	351.9	-334.0
Surat Thani	29.2	1.5	65.9	-67.5	90.0	-451.0
Ko Samui	30.0	1.2	116.1	-17.5	463.3	-191.7
Nakhon Si Thammarat	29.0	0.7	169.8	49.4	481.6	-383.8
Songkhla	30.1	1.4	23.5	-79.2	175.6	-381.1
Hat Yai Airport	28.4	0.7	96.4	-24.6	419.4	-141.9
Pattani Airport	29.1	1.0	103.8	-14.9	326.6	-193.7
Narathiwat	29.1	1.1	220.4	73.2	524.7	-238.3
Over the area	29.4	1.0	93.4	-25.0 -21%	314.7	-245.1 -44%

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	28.0	0.6	495.1	-142.9	852.6	-564.0
Takua Pa	28.4	0.7	664.8	208.2	1373.2	11.7
Phuket	29.6	0.9	312.4	63.0	597.7	-178.3
Phuket Airport	29.4	1.0	502.1	188.1	874.6	-76.0
Ko Lanta	28.8	0.3	205.2	-80.7	638.5	-120.6
Trang Airport	28.6	0.9	222.5	7.8	539.0	-225.9
Satun	28.6	0.7	114.1	-75.6	570.9	-275.9
Over the area	28.8	0.8	359.5	24.0 7%	778.1	-204.2 -21%

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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	28.4	0.9	169.4	-16.8	477.7	-91.3
	Mae Hong Son	28.6	0.7	171.7	-8.4	383.1	-61.2
	Phayao	28.7	0.8	89.9	-10.5	287.4	-130.5
	Chiang Mai	29.2	1.2	68.4	-49.8	175.8	-205.5
	Tha Wang Pha	28.5	0.4	183.0	5.5	678.7	166.7
	Nan	29.2	0.5	240.0	105.2	519.5	54.7
	Lamphun	29.3	0.8	161.4	38.4	311.6	-59.6
	Lampang	29.4	0.8	146.2	26.5	399.9	-17.1
	Mae Sariang	27.8	0.7	124.8	-62.1	381.6	-37.7
	Phrae	29.3	0.8	52.6	-89.3	374.6	-78.1
	Uttaradit	29.9	0.7	116.6	-82.1	471.8	-56.1
	Bhumibol Dam	28.7	0.0	70.1	-38.6	465.6	55.6
	Tak	29.5	0.7	110.4	-6.0	244.8	-135.1
	Mae Sot	27.1	0.3	357.8	111.0	508.9	37.3
	Umphang	26.0	0.7	149.7	-38.3	391.0	-151.7
	Phitsanulok	29.8	0.5	91.4	-69.7	412.0	-26.4
	Lom Sak	29.3	0.8	49.6	-78.1	304.4	-85.3
	Phetchabun	29.7	1.0	107.0	-34.2	383.5	-78.7
	Wichian Buri	30.0	0.7	290.0	138.3	526.9	64.3
	Kamphaeng Phet	29.5	0.8	144.8	-12.4	338.2	-124.8
Northeast	Nong Khai	29.3	0.7	440.5	187.8	773.6	132.2
	Loei	28.6	0.5	167.9	3.9	679.0	170.4
	Udon Thani	29.5	0.7	211.2	-7.3	433.9	-123.7
	Nakhon Phanom	28.7	0.6	488.5	91.5	851.5	2.9
	Sakon Nakhon	29.1	0.7	157.7	-104.4	474.8	-201.9
	Mukdahan	29.7	1.0	151.7	-53.1	374.4	-164.6
	Khon Kaen	29.6	0.8	132.0	-13.7	480.6	24.0
	Kosum Phisai	30.4	1.1	137.3	-17.7	391.2	-104.7
	Roi Et	30.2	1.1	102.6	-87.1	497.9	-13.7
	Chaiyaphum	30.0	1.2	47.1	-86.1	299.3	-137.7
	Ubon Ratchathani	29.8	1.1	210.0	-26.9	646.9	61.4
	Tha Tum	29.8	0.6	125.0	-56.4	418.7	-76.8
	Surin	30.1	1.5	138.6	-55.5	274.7	-255.4
	Nakhon Ratchasima	30.8	1.5	99.3	-20.7	346.0	-72.8
	Chok Chai	30.2	1.3	163.9	53.0	431.4	38.9
	Nang Rong	29.1	0.4	122.2	-5.2	369.4	-85.4
Central	Nakhon Sawan	30.3	0.8	83.5	-57.1	421.8	3.1
	Bua Chum	30.5	1.3	155.4	31.4	563.4	163.3
	Lop Buri	30.3	1.0	91.4	-22.4	430.7	49.1
	Suphan Buri	30.8	1.3	32.3	-60.2	168.6	-136.7
	Thong Pha Phum	27.6	0.3	295.1	45.5	604.9	-17.9
	Kanchanaburi	30.4	1.0	19.1	-79.8	157.3	-212.7
	Bangkok Airport	30.5	0.8	179.0	-11.7	403.9	-169.7
	Bangkok Metropolis	30.8	1.1	81.6	-116.9	420.0	-184.6
East	Prachin Buri	30.2	1.1	177.6	-41.9	473.6	-123.6
	Kabin Buri	29.2	0.8	254.7	74.8	451.2	-83.7
	Aranyaprathet	30.3	1.4	58.3	-110.3	249.1	-248.7
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	Pattaya	30.1	1.1	12.2	-119.9	361.4	-43.2
	Sattahip	30.3	0.8	54.2	-102.8	434.1	-84.8
	Rayong	30.3	0.8	78.0	-99.9	588.7	3.6
	Chanthaburi	29.1	0.9	516.9	17.2	1196.6	48.9
South (East Coast)	Khlung Yai	28.1	0.6	1073.0	295.8	1664.1	-1.6
	Phetchaburi	30.3	1.0	39.3	-47.7	138.4	-148.9
	Hua Hin	30.2	1.0	26.6	-55.8	206.1	-107.6
	Prachuap Khiri Khan	29.3	0.7	74.0	-18.8	284.4	-123.1
	Chumphon	29.0	1.1	91.7	-71.3	351.9	-334.0
	Surat Thani	29.2	1.5	65.9	-67.5	90.0	-451.0
	Ko Samui	30.0	1.2	116.1	-17.5	463.3	-191.7
	Nakhon Si Thammarat	29.0	0.7	169.8	49.4	481.6	-383.8
	Songkhla	30.1	1.4	23.5	-79.2	175.6	-381.1
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	Narathiwat	29.1	1.1	220.4	73.2	524.7	-238.3
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	Trang Airport	28.6	0.9	222.5	7.8	539.0	-225.9
	Satun	28.6	0.7	114.1	-75.6	570.9	-275.9
Over the area		29.4	0.8	174.9	-14.1	472.7	-98.2
					-7%		-17%

- NOTES :
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