Monthly Weather Summary in Thailand November 2023

In November 2023, high-pressure-area from China mainly extended its ridge to cover upper northern, upper northeastern and the South China Sea in the first half of the month resulting in an overall mild winter in Thailand with cool weather in some areas of the northern and northeastern parts. In the second half of the month, highpressure area periodically extended to cover upper Thailand. As a result, the temperature obviously decreased nationwide with generally cool weather in the northern and northeastern parts, with cold weather in some areas in the upper portion and cool weather was found in the central and eastern parts as well. However, the average monthly temperature of this month was anomalous warmth in all parts in particular across the northern and northeastern part where experienced 1.1-1.4°C above normal. For rainfall, due to the prevailing of the easterly wind over Thailand, the Gulf of Thailand and the Andaman Sea coupled with the easterly wave moving through lower central, eastern part, The Gulf of Thailand and the southern parts in the beginning of the period causing unusual rainfall in upper Thailand during that time. The southern part was further influenced by the northeast monsoon that prevailed over the Gulf of Thailand and the southern part in the second half of the month, the active low-pressure cell moving to cover the lower southern part during the November 25-27 and a low-pressure cell covering the east side of Peninsula Malaysia on November 29-30. These brought plentiful rainfall in southern part almost month especially along the east coast that experienced heavy to very heavy rainfall in many areas in the middle and the end of the month with flooding in some places. Monthly rainfall was above normal in central 18.6 mm (59%), eastern 6.7 mm (14%), southern part (east coast) 108.5 mm (32%) and southern part (west coast) 10.9 mm (6%). %) whereas that of below normal in northern part 16.2 mm (60%) and northeastern part 3.3 mm (18%). The average total rainfall over Thailand in November was 17% above normal. Overall, the average temperature in Thailand was 0.9°C higher than normal.

1 - 10 November: The high-pressure area from China extended to cover upper Thailand at the beginning of the period after that it weakened and covered upper northern, upper northeastern and the South China Sea. In addition, the easterly wind prevailed over Thailand, the Gulf of Thailand and the Andaman Sea and the easterly wave moved through lower central, eastern, the Gulf of Thailand and the southern parts at the end of the period. These caused unusual rainfall in upper Thailand with cool weather in some areas of the northern and northeastern parts. The lowest minimum temperature was 19.0 °C at Umphang in Tak province on November 2 and 9.7 °C over the area of mountaintop at Doi Inthanon, Chom Thong in Chiang Mai on November 2, 5 and 7. Rainfall in upper Thailand was mainly observed in the central and eastern parts at the middle and the end of the period with scattered to fairly widespread rain and heavy to very heavy rainfall in some places. The northern and northeastern part obtained isolated rain almost the period mainly in the lower portion. The maximum daily rainfall was 125.7 mm at Bang Pakong in Chachoengsao on November 4. Gusty wind was reported in Surin, Ratchaburi, Bangkok Metropolis and Samut Prakan on November 5 and in Rayong on November 7. In southern part, abundant rain was observed almost the period with scattered to fairly widespread rain and heavy to very heavy rainfall in some areas along the east coast while fairly widespread rain was found along the west coast. The highest daily rainfall was 130.5 mm at Amphoe Mueang in Nakhon Si Thammarat on November 1 and flooding in Krabi on November 2.

11 - 20 November: The high-pressure area extended its ridge to cover the northeastern part at the beginning of the period and later covering upper Thailand and the South China Sea and the another ridge of intense high-pressure area extending to cover Thailand in the middle of the period and later weakened. In addition, the easterly wind prevailed over the eastern, lower central and southern part in the beginning of the period and the rather active northeastern monsoon prevailed over the Gulf of Thailand and southern parts in the second half of the period. Under these influences, temperature relatively decreased in the northern and northeastern parts from the middle of the period and cool weather was observed in general with cold weather in some areas of the upper portion at the end of the period. Generally cool weather was observed in the central and eastern parts at the end of the period as well. The lowest minimum temperature was 12.2 °C at Agrometeorological station in Nakhon Phanom on November 18 and 9.5 °C over the area of mountaintop at Doi Inthanon, Chom Thong in Chiang Mai on November 14, 18 and 20. For rainfall, unseasonable rainfall was mainly observed in upper Thailand in the first half of the period with isolated to scattered rain with heavy rainfall in some areas in the northern and northeastern parts. Also, isolated to scattered rain with heavy rainfall in some areas was found in the central and eastern parts. The maximum daily rainfall of 52.8 mm was reported at Chai Nat Agrometeorological station on November 11. In southern part, due to the influenced of the blowing of the easterly and northeasterly winds over the Gulf of Thailand, southern part and the Andaman Sea and the prevailing of the northeastern monsoon over the Gulf of Thailand and the southern parts in the second half of the period resulted in plentiful of rainfall almost the whole period especially along the east coast where experienced fairly widespread rain with heavy to very heavy rainfall in many areas inducing flooding in some places. Scattered to fairy widespread rain with isolated heavy rainfall was found along the west coast. The highest daily rainfall in the southern part was 236.9 mm at Hua Sai in Nakhon Si Thammarat on November 17. Flooding were reports in Prachuap Khiri Khan, Songkhla and Nakhon Si Thammarat on November 13, in Songkhla, Phatthalung, Nakhon Si Thammarat on November 16, in Chumphon and Ranong on November 17, in Surat Thani on November 18 and Pattani on November 20, with landslides in Narathiwat on November 20. Gusty wind was reported in Nakhon Si Thammarat on November 12 and 15.

21 - 30 November: Under the influence of the moderate high-pressure area covering Thailand and the another ridge of moderate high-pressure area extending to cover upper Thailand and the South China Sea in the middle of the period and later weakened and the easterly wind prevailed over upper Thailand during November 26-27. The weather were generally cool in the northern and northeastern parts with cold weather in some areas whereas cool weather was observed in many areas of the central and eastern parts mainly at the beginning and the end of the period. The minimum temperature of 13.8 °C was recorded at Amphoe Mueang in Bung Kan on November 21 and it dropped to 5.0 °C at Doi Ang Khang, Chom Thong in Chiang Mai province on November 28. Upper Thailand received scanty rain, the maximum daily rainfall was 32.0 at Sri Songkhram in Nakhon Phanom on November 26. In southern part, with the effect of the moderate northeast monsoon prevailing over the Gulf of Thailand and the southern parts, the intense low-pressure cell in the lower South China Sea moved to cover lower southern Thailand and Malaysia and moved into Malacca Strait during November 25-27 as well as the covering of the low-pressure cell over east side of Peninsula Malaysia during November 29-30. These induced scattered to fairly widespread rain with heavy to very heavy rainfall in some areas mainly along the east coast. The maximum daily rainfall was 264.0 mm at Thung Wa in Satun on November 23. Floods was reported in Narathiwat and Yala on November 22 and in Chumphon on November 25-30, in Nakhon Si Thammarat, Phatthalung, Songkhla on November 26-30, in Pattani on November 20-25 and Ranong on November 27. Gusty wind was reported in Nakhon Si Thammarat and Songkhla on November 27.

Climate Center Meteorological Development Division Thai Meteorological Department

<u>Note</u> : Rainfall, temperatures and natural disasters in this report were updated up to December 4, 2023.

Monthly Current Report Rainfall and Accumulative Rainfall November 2023

Northern Thailand

	Tempera	ture (°c)	Rainfa	ll (mm)	Accumulative rainfall (mm) Since 1 January		
Station		Above		Above		Above	
	Mean	or below	Actual	or below	Actual	or below	
		normal		normal		normal	
Chiang Rai	24.5	1.6	0.8	-44.0	1282.7	-420.2	
Mae Hong Son	25.9	1.7	15.6	-24.0	1255.1	-31.0	
Phayao	24.6	1.4	19.6	-15.8	1120.3	-13.6	
Chiang Mai	26.7	2.1	1.0	-39.9	1185.2	60.1	
Tha Wang Pha	25.3	1.6	5.4	-17.7	1257.0	-188.0	
Nan	26.0	1.5	7.8	-8.0	1047.5	-203.9	
Lamphun	25.9	1.5	0.0	-36.2	1027.5	-25.4	
Lampang	26.2	1.5	24.3	3.0	1242.7	146.4	
Mae Sariang	26.1	1.6	3.2	-19.0	1249.2	86.8	
Phrae	26.3	1.4	0.2	-22.5	1180.1	18.8	
Uttaradit	27.8	1.4	0.3	-19.0	1208.3	-158.4	
Bhumibol Dam	26.2	1.0	8.0	-20.0	1278.1	240.3	
Tak	26.8	1.0	8.2	-25.9	1088.3	45.5	
Mae Sot	26.6	1.5	4.0	-15.4	1633.1	119.3	
Umphang	23.9	1.4	17.6	-8.4	1336.3	-141.5	
Phitsanulok	27.3	0.4	13.7	-18.0	1222.9	-83.3	
Lom Sak	26.8	0.9	3.8	-9.5	1006.5	-24.0	
Phetchabun	27.2	1.1	1.3	-10.7	1100.8	-37.4	
Wichian Buri	27.5	0.8	32.5	8.6	977.7	-271.8	
Kamphaeng Phet	27.4	1.0	47.1	19.6	1121.3	-159.6	
Over the area	26.3	1.4	10.7	-16.2	1191.0	-52.2	
				-60%		-4%	

Northeastern Thailand

	Temperature (^o c)		Rainfa	ll (mm)	Accumulative rainfall (mm) Since 1 January		
Station		Above		Above		Above	
	Mean	or below	Actual	or below	Actual	or below	
		normal		normal		normal	
Nong Khai	27.0	1.7	0.0	-15.6	1616.3	-66.3	
Loei	25.1	0.9	1.8	-19.5	1226.1	-18.5	
Udon Thani	26.2	0.9	2.0	-12.0	1249.1	-190.0	
Nakhon Phanom	26.4	1.3	0.0	-7.5	2567.7	235.1	
Sakon Nakhon	26.1	1.2	0.0	-13.5	1968.3	317.0	
Mukdahan	26.4	1.3	0.3	-9.6	1635.6	149.0	
Khon Kaen	26.7	1.2	0.0	-21.5	1220.3	-6.0	
Kosum Phisai	27.1	1.3	4.6	-10.6	1221.2	-91.5	
Roi Et	27.0	1.5	1.5	-13.4	1453.6	97.0	
Chaiyaphum	27.1	1.0	0.7	-15.3	1059.8	-85.1	
Ubon Ratchathani	27.0	1.0	12.3	-9.5	2203.5	584.5	
Tha Tum	26.7	0.7	32.6	13.6	1021.3	-311.7	
Surin	26.8	1.0	73.3	43.6	1426.2	-4.2	
Nakhon Ratchasima	26.8	0.8	38.6	19.0	970.8	-149.5	
Chok Chai	26.5	0.9	23.8	-0.1	1023.4	-28.0	
Nang Rong	26.1	0.7	49.8	18.6	1107.5	-116.2	
Over the area	26.6	1.1	15.1	-3.3	1435.7	19.8	
				-18%		1%	

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.

Monthly Current Report Rainfall and Accumulative Rainfall November 2023

Central Thailand

	Temperature (^o c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
Station		Above		Above		Above
	Mean	or below	Actual	or below	Actual	or below
		normal		normal		normal
Nakhon Sawan	27.9	0.9	18.3	-3.7	706.4	-447.4
Bua Chum	26.9	0.8	28.0	12.4	1052.9	-46.1
Lop Buri	28.2	0.6	79.3	49.2	904.4	-183.6
Suphan Buri	27.9	0.6	57.5	14.3	547.1	-424.3
Thong Pha Phum	26.4	0.6	35.4	14.7	1565.2	-191.2
Kanchanaburi	27.7	0.8	39.7	-4.9	1125.1	78.6
Bangkok Airport	28.2	0.0	52.3	19.0	815.9	-646.8
Bangkok Metropolis	28.7	0.3	92.9	48.3	1398.8	-291.8
Over the area	27.7	0.5	50.4	18.6	1014.5	-269.3
				58%		-21%

Eastern Thailand

	Temperature (^o c)		Rainfa	ll (mm)	Accumulative rainfall (mm) Since 1 January	
Station		Above		Above		Above
	Mean	or below	Actual	or below	Actual	or below
		normal		normal		normal
Prachin Buri	28.4	0.4	28.8	3.8	1611.2	-150.1
Kabin Buri	27.2	0.3	29.7	-0.3	1349.3	-207.1
Aranyaprathet	27.9	0.7	46.2	14.0	1268.0	-51.7
Chon Buri	28.6	0.4	33.5	-3.9	1071.9	-213.6
Ko Sichang	28.1	0.6	19.2	-22.3	838.7	-307.7
Pattaya	27.9	0.8	22.8	-33.8	680.4	-413.7
Sattahip	27.7	0.5	130.1	58.0	974.8	-352.8
Rayong	27.9	0.4	43.6	-0.7	1177.5	-221.7
Chanthaburi	28.0	0.7	73.2	15.9	3029.0	45.8
Khlong Yai	28.2	0.5	122.1	36.9	3522.1	-1376.6
Over the area	28.0	0.5	54.9	6.7	1552.3	-325.0
				14%		-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.

Monthly Current Report Rainfall and Accumulative Rainfall November 2023

Southern Thailand, east coast

	Temperature (^o c)		Rainfa	ll (mm)	Accumulative rainfall (mm) Since 1 January		
Station		Above		Above		Above	
	Mean	or below	Actual	or below	Actual	or below	
		normal		normal		normal	
Phetchaburi	27.8	0.4	33.2	-31.0	452.4	-512.8	
Hua Hin	28.2	0.8	28.2	-44.6	469.1	-454.9	
Prachuap Khiri Khan	28.1	1.1	106.8	-20.7	518.4	-571.0	
Chumphon	27.0	0.5	387.0	128.4	1482.1	-282.7	
Surat Thani	26.3	0.0	269.4	14.6	1336.9	-94.8	
Ko Samui	27.5	0.4	539.0	94.4	1588.7	-142.5	
Nakhon Si Thammarat	26.5	0.2	975.0	337.5	2438.1	241.6	
Songkhla	27.2	0.2	727.4	139.5	2055.5	274.9	
Hat Yai Airport	26.2	-0.1	526.6	202.3	1756.0	275.0	
Pattani Airport	26.5	-0.1	614.5	214.0	2163.1	603.9	
Narathiwat	26.5	0.2	749.5	159.3	2688.7	562.3	
Over the area	27.1	0.4	450.6	108.5	1540.8	-9.3	
				32%		-1%	

Southern Thailand, west coast

	Temperature (^o c)		Rainfa	ll (mm)	Accumulative rainfall (mm) Since 1 January	
Station		Above		Above		Above
	Mean	or below	Actual	or below	Actual	or below
		normal		normal		normal
Ranong	26.7	-0.2	334.2	204.1	3849.2	-275.4
Takua Pa	27.1	0.4	234.7	3.0	4214.6	420.5
Phuket	28.5	0.5	122.8	-55.4	1960.6	-228.9
Phuket Airport	27.8	0.6	111.4	-107.6	2315.5	-262.4
Ko Lanta	27.2	0.0	89.2	-59.2	1547.9	-607.0
Trang Airport	26.8	0.1	211.9	-14.3	2321.0	219.2
Satun	27.2	0.0	324.0	106.2	2666.9	416.1
Over the area	27.3	0.2	204.0	10.9	2696.5	-45.5
				6%		-2%

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.

Monthly Current Report

November 2023

		Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
Region	Station	Above			Above	Above	
		Mean	or below	Actual	or below	Actual	or below
			normal		normal		normal
	Chiang Rai	24.5	1.6	0.8	-44.0	1282.7	-420.2
	Mae Hong Son Phayao	25.9 24.6	1.7 1.4	15.6 19.6	-24.0 -15.8	1255.1 1120.3	-31.0 -13.6
	Chiang Mai	24.0	2.1	19.0	-39.9	1120.5	60.1
	Tha Wang Pha	25.3	1.6	5.4	-17.7	1257.0	-188.0
	Nan	26.0	1.5	7.8	-8.0	1047.5	-203.9
	Lamphun	25.9	1.5	0.0	-36.2	1027.5	-25.4
	Lampang	26.2	1.5	24.3	3.0	1242.7	146.4
	Mae Sariang Phrae	26.1 26.3	1.6 1.4	3.2 0.2	-19.0 -22.5	1249.2 1180.1	86.8 18.8
North	Uttaradit	20.3	1.4	0.2	-19.0	1208.3	-158.4
	Bhumibol Dam	26.2	1.0	8.0	-20.0	1278.1	240.3
	Tak	26.8	1.0	8.2	-25.9	1088.3	45.5
	Mae Sot	26.6	1.5	4.0	-15.4	1633.1	119.3
	Umphang	23.9	1.4 0.4	17.6	-8.4	1336.3	-141.5
	Phitsanulok Lom Sak	27.3 26.8	0.4	13.7 3.8	-18.0 -9.5	1222.9 1006.5	-83.3 -24.0
	Phetchabun	27.2	1.1	1.3	-10.7	1100.8	-37.4
	Wichian Buri	27.5	0.8	32.5	8.6	977.7	-271.8
	Kamphaeng Phet	27.4	1.0	47.1	19.6	1121.3	-159.6
	Nong Khai	27.0	1.7	0.0	-15.6	1616.3	-66.3
	Loei Udon Thani	25.1	0.9	1.8	-19.5	1226.1	-18.5
	Udon Thani Nakhon Phanom	26.2 26.4	0.9 1.3	2.0 0.0	-12.0 -7.5	1249.1 2567.7	-190.0 235.1
	Sakon Nakhon	26.1	1.2	0.0	-13.5	1968.3	317.0
	Mukdahan	26.4	1.3	0.3	-9.6	1635.6	149.0
	Khon Kaen	26.7	1.2	0.0	-21.5	1220.3	-6.0
Northeast	Kosum Phisai	27.1	1.3	4.6	-10.6	1221.2	-91.5
	Roi Et	27.0	1.5	1.5	-13.4	1453.6	97.0
	Chaiyaphum Ubon Ratchathani	27.1 27.0	1.0 1.0	0.7 12.3	-15.3 -9.5	1059.8 2203.5	-85.1 584.5
	Tha Tum	26.7	0.7	32.6	13.6	1021.3	-311.7
	Surin	26.8	1.0	73.3	43.6	1426.2	-4.2
	Nakhon Ratchasima	26.8	0.8	38.6	19.0	970.8	-149.5
	Chok Chai	26.5	0.9	23.8	-0.1	1023.4	-28.0
	Nang Rong Nakhon Sawan	26.1 27.9	0.7	49.8 18.3	18.6 -3.7	1107.5 706.4	-116.2 -447.4
	Bua Chum	26.9	0.9	28.0	12.4	1052.9	-46.1
	Lop Buri	28.2	0.6	79.3	49.2	904.4	-183.6
Central	Suphan Buri	27.9	0.6	57.5	14.3	547.1	-424.3
Contra	Thong Pha Phum	26.4	0.6	35.4	14.7	1565.2	-191.2
	Kanchanaburi	27.7 28.2	0.8 0.0	39.7 52.3	-4.9 19.0	1125.1 815.9	78.6 -646.8
	Bangkok Airport Bangkok Metropolis	28.2	0.0	92.9	48.3	1398.8	-040.8
	Prachin Buri	28.4	0.4	28.8	3.8	1611.2	-150.1
	Kabin Buri	27.2	0.3	29.7	-0.3	1349.3	-207.1
	Aranyaprathet	27.9	0.7	46.2	14.0	1268.0	-51.7
	Chon Buri	28.6	0.4	33.5	-3.9	1071.9	-213.6
East	Ko Sichang Pattaya	28.1 27.9	0.6 0.8	19.2 22.8	-22.3 -33.8	838.7 680.4	-307.7 -413.7
	Sattahip	27.5	0.8	130.1	58.0	974.8	-352.8
	Rayong	27.9	0.4	43.6	-0.7	1177.5	-221.7
	Chanthaburi	28.0	0.7	73.2	15.9	3029.0	45.8
	Khlong Yai	28.2	0.5	122.1	36.9	3522.1	-1376.6
	Phetchaburi Hua Hin	27.8	0.4	33.2	-31.0	452.4	-512.8
	Hua Hin Prachuap Khiri Khan	28.2 28.1	0.8	28.2 106.8	-44.6 -20.7	469.1 518.4	-454.9 -571.0
	Chumphon	27.0	0.5	387.0	128.4	1482.1	-282.7
	Surat Thani	26.3	0.0	269.4	14.6	1336.9	-94.8
outh (East Coast)	Ko Samui	27.5	0.4	539.0	94.4	1588.7	-142.5
	Nakhon Si Thammarat	26.5	0.2	975.0	337.5	2438.1	241.6
	Songkhla Uot Voi Airport	27.2	0.2	727.4	139.5	2055.5	274.9
	Hat Yai Airport Pattani Airport	26.2 26.5	-0.1 -0.1	526.6 614.5	202.3 214.0	1756.0 2163.1	275.0 603.9
	Narathiwat	26.5 26.5	-0.1	614.5 749.5	159.3	2688.7	562.3
	Ranong	26.7	-0.2	334.2	204.1	3849.2	-275.4
	Takua Pa	27.1	0.4	234.7	3.0	4214.6	420.5
	Phuket	28.5	0.5	122.8	-55.4	1960.6	-228.9
1 (11) -			0.6	111.4	-107.6	2315.5	-262.4
outh (West Coast)	Phuket Airport	27.8			50.2	1545.0	207.0
outh (West Coast)	Phuket Airport Ko Lanta	27.2	0.0	89.2	-59.2	1547.9 2321.0	-607.0 219.2
outh (West Coast)	Phuket Airport Ko Lanta Trang Airport	27.2 26.8	0.0 0.1	89.2 211.9	-14.3	2321.0	219.2
outh (West Coast)	Phuket Airport Ko Lanta	27.2	0.0	89.2			

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.



















