

## Monthly Weather Summary in Thailand November 2010

During November 2010, The intermittent active northeast monsoon prevailed over Thailand and the Gulf of Thailand and the active high pressure area from China extended its ridge to cover upper Thailand particularly during early and late November. These conditions caused scanty rainfall and cool in upper Thailand with cold weather in the upper northern and northeastern parts. However, with the weakening of the high pressure during mid month, temperature slightly increased nationwide. Southern Thailand received plentiful rainfall nearly the whole month, especially early month when the tropical depression smashed into the southern part at Sathing Phra, Songkhla province. It induced torrential rainfall and floods in southern part, especially Hat Yai district in Songkhla province. Besides, the huge wave occurred along the coastal province and the new highest record of daily rainfall was established in some stations. Monthly rainfall was below normal in northern part 32.9 mm (96%), northeastern part 16.7 mm (93%), central part 32.5 mm (88%) and eastern part 46.3 mm (76%) while it was inversely above normal in southern part (east coast) 144.0 mm (38%) and southern part (west coast) 91.8 mm (45%). Mean temperature of November was higher than normal in every part.

**1 – 10 November:** The ridge of intense high pressure from China covering upper Thailand caused cool weather in the northern and northeastern parts with cold weather in the upper portion especially in mountainous area and mountaintop that experienced cold and very cold weather. The lowest minimum temperature was 12.3 °C at Agrometeorological Station in Chiang Rai province on November 4 and 7.0 °C was measured at Doi Inthanon in Chiang Mai province on November 1,4 and at Phu Rua National Park and Phu Luang Wildlife Sanctuary in Loei province on November 1, with frost at Doi Inthanon, Chiang Mai province on November 3. In southern part, plentiful of rainfall occurred from Chumphon province southward by the influence of the tropical depression making landfall at Sathing Phra, Songkhla province at 11.30 p.m. on November 1 before heading to the Andaman Sea on the following day. In addition, the low pressure trough lay across the lower southern part and the active northeast monsoon prevailed across southern Thailand. Flash floods were reported at Chumphon, Nakhon Si Thammarat, Surat Thani, Phatthalung, Songkhla, Pattani, Yala, Narathiwat, Trang, Krabi and Satun provinces. Landslide occurred at Nakhon Si Thammarat on November 4 and at Phatthalung province on November 10 with the report of storm surge at Bang Saphan Noi in Prachuap Khiri Khan and at Laem Talumphuk, Nakhon Si Thammarat province on November 4. The heaviest daily rainfall of 396.0 mm was measured at Don Sak in Sarat Thani province on November 2.

**11 – 20 November:** Due to the weak high pressure dominated over Thailand, temperature relatively increased but cold weather was found in some areas of upper northern part where 13.9 °C was recorded at Agrometeorological Station in Chiang Rai province on November 11 and 7.0 °C was measured at Doi Angkhang, Amphoe Fang in Chiang Mai province on the same day. For rainfall, unseasonably rainfall was found in upper Thailand with the maximum daily rainfall of 34.7 mm at Sattahip, Chon Buri province on November 16. Meanwhile it remained abundant rainfall in southern Thailand with heavy to very heavy rainfall along the east coast. The highest amount of rainfall was 191.6 mm at Sawi in Chumphon province on November 14 with flash floods at Surat Thani and Phatthalung provinces on November 11, Nakhon Si Thammarat on November 13 and landslides was also reported at Surat Thani and Songkhla provinces on November 13.

**21 – 30 November:** During this period, temperature was relatively decreased, cool and cold weather still existed in the northern and northeastern parts and cool weather in many areas of central and eastern parts. The lowest temperature 14.2 °C was measured at Amphoe Muang in Mae Hong Son province on November 25 and 8.0 °C over the area of mountaintop at Phu Luang Wildlife Sanctuary in Loei province on November 28. For rainfall, eastern part received scanty rain during the first half of the period with the highest rainfall amount 13.6 mm at Khlong Yai, Trat province on November 23. Moreover, the northeast monsoon was strengthened since mid-period causing abundant rainfall in southern part mainly during the middle and the end of the period in particular on November 27 that heavy to very heavy rainfall was found in several places of the east coast with the maximum daily rainfall, 244.5 mm at Mai Kaen in Pattani province. Gusty wind reported at Songkhla province on November 27 and flash floods at Phatthalung, Songkhla and Pattani provinces on November 28.

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**Breaking records of daily rainfall in southern part of Thailand in November**

Station	New Record in 2010		Previous Record		Start since
	Rainfall (mm)	Date	Rainfall (mm)	Date / Year	
Songkhla (Sa Dao District)	174.7	1	91.4	5 / 2009	1999
Surat Thani (Pra Saeng District)	79.0	1	73.7	24 / 2000	1998
Pattani	274.3	1	266.2	18 / 1974	1964
Trang	144.5	1	130.1	12 / 1995	1951
Satun	116.8	1	113.3	20 / 1988	1978

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

Climatological Center  
 Meteorological Development Bureau  
 Thai Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
November 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	22.6	0.6	0.0	-56.6	1822.8	139.1
Mae Hong Son	23.7	-0.1	0.0	-45.2	1361.3	93.3
Phayao	22.7	-0.2	0.0	-40.5	1152.4	68.0
Chiang Mai	24.8	1.0	0.0	-51.4	1149.9	34.0
Tha Wang Pha	23.5	0.5	0.0	-25.4	1684.8	297.8
Nan	24.1	0.5	0.0	-20.5	1430.2	199.7
Lamphun	24.0	0.1	20.0	-28.1	1342.9	387.7
Lampang	24.2	0.5	0.0	-34.3	966.0	-86.4
Mae Sariang	24.1	0.0	0.0	-20.9	1224.1	93.2
Phrae	24.6	0.4	0.0	-22.1	988.5	-86.4
Uttaradit	26.2	0.5	0.0	-29.9	1143.6	-262.6
Bhumibol Dam	24.6	-0.2	0.0	-49.7	1079.6	50.9
Tak	25.4	0.7	3.0	-57.8	1137.1	88.5
Mae Sot	24.9	0.8	0.0	-24.7	1163.1	-228.0
Umphang	22.6	0.9	0.0	-26.9	1468.0	43.7
Phitsanulok	26.6	0.5	0.0	-33.3	1305.1	-23.9
Lom Sak	25.8	0.6	0.0	-14.8	843.7	-196.1
Phetchabun	25.9	0.8	0.0	-10.5	1150.7	78.2
Wichian Buri	26.6	0.5	0.0	-16.6	1644.0	444.7
Kamphaeng Phet	26.3	0.6	0.0	-50.1	1541.2	266.5
Over the area	24.7	0.5	1.2	-32.9 -96%	1280.0	70.3 6%

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	25.2	1.0	0.3	-11.6	1589.5	55.2
Loei	23.7	0.4	0.0	-18.4	1464.6	232.6
Udon Thani	25.0	0.3	1.0	-6.8	1505.1	119.3
Nakhon Phanom	24.6	0.6	0.0	-8.8	1944.5	-306.5
Sakon Nakhon	24.4	0.3	0.0	-6.4	1446.9	-146.7
Mukdahan	24.4	0.2	0.0	-9.9	1740.6	236.2
Khon Kaen	25.1	0.5	0.1	-14.8	1230.1	25.9
Kosum Phisai	25.5	0.4	0.0	-14.1	992.9	-221.3
Roi Et	24.8	0.3	0.1	-12.0	1156.2	-187.0
Chaiyaphum	25.8	0.6	0.0	-16.3	1501.7	389.0
Ubon Ratchathani	25.3	0.4	0.5	-22.2	1563.6	-16.5
Tha Tum	25.6	0.4	8.6	-9.5	1376.3	-12.7
Surin	25.5	0.6	2.4	-24.0	1321.9	-28.7
Nakhon Ratchasima	25.8	0.9	3.0	-24.0	1386.2	354.5
Chok Chai	25.4	0.6	1.3	-34.2	1505.2	410.4
Nang Rong	24.8	-0.2	2.5	-34.3	1125.8	-60.1
Over the area	25.1	0.5	1.2	-16.7 -93%	1428.2	52.6 4%

- 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  
November 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	26.6	0.3	0.0	-30.5	1556.9	484.4
Bua Chum	26.0	0.5	0.0	-17.2	1337.7	255.4
Lop Buri	27.6	0.8	0.0	-34.9	1224.1	104.7
Suphan Buri	27.1	0.7	0.0	-42.2	944.3	-106.3
Thong Pha Phum	25.7	0.7	0.0	-24.7	1493.7	-266.9
Kanchanaburi	26.9	0.8	0.0	-62.7	1108.6	59.5
Bangkok Airport	27.7	0.5	3.6	-32.4	1827.6	603.2
Bangkok Metropolis	28.3	1.2	30.6	-15.4	2001.0	462.8
Over the area	27.0	0.7	4.3	-32.5 -88%	1436.7	199.5 16%

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	28.1	0.9	0.6	-34.5	2050.2	178.8
Kabin Buri	27.0	0.4	2.0	-29.4	968.1	-678.2
Aranyaprathet	27.4	1.3	4.5	-42.6	1378.0	5.2
Chon Buri	28.3	1.4	0.0	-58.2	1373.0	78.9
Ko Sichang	27.3	0.4	19.0	-44.2	1301.3	54.6
Pattaya	27.1	0.6	2.0	-81.7	976.4	-141.0
Sattahip	27.1	0.5	43.4	-44.2	1522.4	245.0
Rayong	27.3	0.2	12.3	-54.2	1716.1	319.4
Chanthaburi	27.5	1.0	5.7	-49.7	2827.9	-16.0
Khlong Yai	27.4	0.1	60.7	-24.2	3679.8	-1037.1
Over the area	27.5	0.7	15.0	-46.3 -76%	1779.3	-99.2 -5%

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Monthly Current Report  
Rainfall and Accumulative Rainfall  
November 2010

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	27.4	0.7	11.9	-111.1	1162.1	185.8
Hua Hin	27.6	1.2	1.7	-145.7	872.6	-80.7
Prachuap Khiri Khan	27.2	1.0	0.8	-199.1	721.1	-369.3
Chumphon	25.9	0.0	269.5	-64.7	1406.8	-370.8
Surat Thani	25.8	-0.2	664.7	362.6	1715.2	330.2
Ko Samui	26.4	-0.2	1113.0	622.6	2192.1	456.9
Nakhon Si Thammarat	25.7	-0.3	1043.3	418.6	2268.2	287.9
Songkhla	26.6	-0.2	825.3	258.0	2144.3	569.7
Hat Yai Airport	26.1	0.3	449.8	131.7	1690.3	275.1
Pattani Airport	26.6	0.5	627.2	189.4	1598.3	119.0
Narathiwat	26.2	0.0	731.5	121.8	1965.2	39.6
Over the area	26.5	0.3	521.7	144.0 38%	1612.4	131.2 9%

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	26.1	0.0	210.7	36.8	3153.1	-930.6
Takua Pa	26.2	-0.2	197.0	-78.1	3122.7	-460.0
Phuket	27.7	0.3	259.0	85.2	2199.4	-12.4
Phuket Airport	26.9	0.3	254.1	38.1	2646.9	216.0
Ko Lanta	26.9	-0.1	241.2	80.5	1714.2	-420.9
Trang Airport	26.4	0.3	544.6	338.3	2148.7	62.8
Satun	27.0	0.2	355.2	142.4	2337.8	139.8
Over the area	26.7	0.1	294.5	91.8 45%	2474.7	-200.7 -8%

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