

## Monthly Weather Summary in Thailand October 2011

In early month, typhoon “NESAT” and tropical storm “NALGAE” made landfall and dissipated over upper Vietnam resulted in the rather active southwest monsoon prevailing over Thailand almost the period. Moreover, the monsoon trough lay across the central, eastern and upper southern parts during the first half of the month. After that, the high pressure area from China extended its ridge to cover upper Thailand associated with the prevailing of the northeast monsoon. These conditions caused abundant rainfall in upper Thailand during the first half of the month then decreasing in temperature and rainfall while southern Thailand experienced abundant rainfall almost the month. Severe floods were reported in several areas particularly in lower northern and central parts. Monthly rainfall was above normal in northern part 9.8 mm (8%) northeastern part 71.2 mm (64%) and eastern part 44.5 mm (19%) and while it was inversely below normal in central part 3.7 mm (2%), southern part (east coast) 11.0 mm (4%) and southern part (west coast) 49.7 mm (14%). Mean temperatures were slightly above normal nearly the whole country.

**1 – 10 October:** Typhoon “NESAT” in the South China Sea downgraded to the tropical storm before heading to Vietnam then it became tropical depression and low pressure cell on the first day. Moreover, tropical storm “NALGAE” in the South China Sea weakened to the tropical depression and low pressure cell over Vietnam on October 5. In addition, the monsoon trough lay across the central and eastern parts to the low pressure cell in the middle South China Sea during the end of period. The moderate to rather active southwest monsoon prevailed over Thailand. Under these influences, Thailand experienced scattered to widespread rain with heavy to very heavy rainfall in some areas. The maximum daily rainfall in upper Thailand was 183.9 mm at Huai Pong Agromet Stn, Amphoe Muang in Rayong province on October 7 while that of 135.7 mm was found as the highest in southern part at Amphoe Su-ngai Padi in Narathiwat province on October 8. Severe floods were reported at Phitsanulok, Sukhothai, Phichit, Nakhon Sawan, Lop Buri, Uthai thani, Ayutthaya, Sing Buri, Ang Thong, Sara Buri, Pathum Thani, Nonthaburi, and Phuket provinces.

**11 – 17 October:** The monsoon trough lay across central, eastern and upper southern parts to the low pressure cell in the middle South China Sea and in the coastal Vietnam. Moreover, southwest monsoon prevailed over Thailand throughout the period. Under these conditions, upper Thailand experienced fairly widespread rain with heavy to very heavy rainfall in some areas except in northern part that widely scattered rain with isolated heavy rainfall during the first half of the period. The highest daily rainfall was 131.4 mm at Amphoe Muang in Si sa ket province on October 12. Severe flooding continued from last period were reported at Phitsanulok, Sukhothai, Phichit, Nakhon Sawan, Lop Buri, Uthai thani, Ayutthaya, Sing Buri, Ang Thong, Sara Buri, Nakhon Nayok, Prachin Buri, Pathum Thani, Nonthaburi and Nakhon Pathom. In southern part, scattered to fairly widespread rain with heavy to very heavy rainfall in some areas except for widely scattered rain and isolated heavy rainfall on October 13-16. The maximum daily rainfall of 162.1 mm was measured at Phuket Airport on October 11.

**18 – 31 October:** With the moderate high pressure area from China extended to cover upper Thailand and the northeast monsoon prevailed over Thailand, upper Thailand weather turned decreasing in rainfall especially in the northern and northeastern parts. The maximum daily rainfall of 44.2 mm was recorded at Doi Mu Soe Agromet Stn in Tak province on October 29. Severe flooding persisted in Nakhon Sawan, Lop Buri, Uthai thani, Ayutthaya, Sing Buri, Ang Thong, Sara Buri, Nakhon Nayok, Prachin Buri, Chachoengsao, Pathum Thani, Nonthaburi Nakhon Pathom and Bangkok. In southern part, scattered to fairly widespread rain and isolated heavy to very heavy rainfall mainly along east coast. The highest rainfall amount was 190.5 mm at Amphoe Pak Phanang in Nakhon Si Thammarat province on October 26. Furthermore, during this period temperature was relative decreasing in upper Thailand especially in the northern and northeastern parts that cool weather almost the whole areas. Cold weather was found in some places in the mountainous areas and mountain tops for few days. The lowest temperature of 9.5 °c occurred at Doi Intanon in Chiang Mai province on October 25.

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**Note :** Rainfall, temperatures and natural disasters were updated up to November 16, 2011

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2011

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	25.6	0.9	71.8	-58.9	2024.7	397.6
Mae Hong Son	26.5	0.4	167.5	60.6	1671.4	448.6
Phayao	25.3	0.0	112.0	-4.5	1389.6	345.7
Chiang Mai	26.5	0.6	69.7	-46.9	1442.2	377.7
Tha Wang Pha	26.1	0.5	92.8	11.2	1933.5	571.9
Nan	26.7	0.6	59.6	-18.9	1928.1	718.1
Lamphun	25.9	-0.1	104.1	-6.4	1662.1	755.0
Lampang	26.2	0.3	237.3	130.9	1862.0	843.9
Mae Sariang	26.4	0.2	142.1	35.3	1613.6	503.6
Phrae	26.5	0.2	68.9	-21.1	1548.6	495.8
Uttaradit	27.6	0.1	158.1	41.7	2111.8	735.5
Bhumibol Dam	26.0	-0.5	221.1	15.6	1323.8	344.8
Tak	26.7	0.2	280.7	76.8	1407.5	419.7
Mae Sot	26.4	0.5	111.8	13.0	2060.0	693.6
Umphang	24.3	0.6	204.2	45.3	1928.2	530.8
Phitsanulok	27.8	0.1	126.4	-32.9	1821.8	526.1
Lom Sak	27.2	0.6	56.8	-22.2	1035.5	10.5
Phetchabun	27.2	0.5	36.7	-50.2	1590.0	528.0
Wichian Buri	27.8	0.3	111.9	-6.1	1563.9	381.2
Kamphaeng Phet	27.1	0.0	224.3	33.8	1566.9	342.3
Over the area	26.5	0.3	132.9	9.8 8%	1674.3	498.7 42%

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	27.0	0.5	184.3	102.5	2403.7	881.3
Loei	25.6	0.2	183.0	67.5	1964.6	751.0
Udon Thani	26.6	-0.2	215.6	134.9	1672.4	294.4
Nakhon Phanom	26.0	-0.1	75.4	-6.3	2719.1	476.9
Sakon Nakhon	26.0	-0.3	200.8	127.6	1889.8	302.6
Mukdahan	26.0	-0.3	73.4	-20.7	1774.9	280.4
Khon Kaen	26.2	-0.2	176.8	68.0	1365.3	176.0
Kosum Phisai	26.9	0.1	70.6	-41.1	1365.4	165.3
Roi Et	26.2	-0.3	126.2	28.7	1550.1	219.0
Chaiyaphum	26.6	-0.2	104.5	-27.7	1273.5	177.1
Ubon Ratchathani	26.5	0.0	295.7	187.7	1956.8	399.4
Tha Tum	27.1	0.3	301.9	173.7	1539.1	168.2
Surin	26.4	-0.2	286.3	151.6	1804.4	480.2
Nakhon Ratchasima	26.6	0.2	154.6	13.4	1194.5	189.8
Chok Chai	26.4	0.1	290.6	133.3	1185.4	126.1
Nang Rong	26.0	-0.4	179.7	45.9	1301.1	152.0
Over the area	26.4	0.0	182.5	71.2 64%	1685.0	327.3 24%

- 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 dry-bulb temperature
  - 3) "T" is trace, rainfall amount less than 0.1 mm.
  - 4) "blank" is incomplete data.

Monthly Current Report  
Rainfall and Accumulative Rainfa  
October 2011

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	27.7	0.1	142.3	9.7	1517.4	475.4
Bua Chum	27.6	0.6	82.0	-36.9	1112.0	46.9
Lop Buri	28.2	0.5	216.0	64.9	1263.5	179.0
Suphan Buri	28.3	0.5	234.6	25.3	999.9	-8.5
Thong Pha Phum	26.9	0.5	107.6	-68.9	1913.9	178.0
Kanchanaburi	27.6	0.4	154.1	-55.2	1065.3	78.9
Bangkok Airport	28.1	0.2	117.2	-61.4	1958.0	769.6
Bangkok Metropolis	28.2	0.4	362.0	93.1	2238.7	746.5
Over the area	27.8	0.4	177.0	-3.7 -2%	1508.6	308.2 26%

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	28.3	0.4	299.0	135.1	2468.5	632.2
Kabin Buri	27.6	0.2	131.5	-18.9	1150.2	-464.7
Aranyaprathet	27.5	0.3	281.7	111.2	1419.1	93.4
Chon Buri	28.5	0.9	190.9	-19.1	1698.3	462.4
Ko Sichang	28.0	0.5	199.0	-36.6	1021.8	-161.7
Pattaya	27.2	0.3	262.0	21.2	1290.6	256.9
Sattahip	27.4	0.3	279.3	6.0	1378.2	188.4
Rayong	27.5	0.0	194.8	-9.1	1630.9	300.7
Chanthaburi	27.5	0.8	264.2	-13.4	3262.5	474.0
Khlong Yai	27.2	0.3	626.8	269.3	5453.7	821.7
Over the area	27.7	0.4	272.9	44.5 19%	2077.4	260.2 14%

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Monthly Current Report  
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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	27.9	0.3	192.9	-79.5	976.2	122.9
Hua Hin	27.8	0.6	156.5	-74.3	680.7	-125.2
Prachuap Khiri Khar	27.5	0.7	84.2	-147.1	807.6	-82.9
Chumphon	26.8	0.3	228.3	-22.5	1709.5	266.1
Surat Thani	26.7	0.4	160.1	-84.2	1719.2	636.3
Ko Samui	27.9	0.8	316.1	12.6	2455.1	1210.3
Nakhon Si Thammarat	26.8	0.2	370.9	48.8	3305.0	1949.4
Songkhla	27.4	-0.1	411.3	159.1	1990.7	983.4
Hat Yai Airport	26.8	0.4	163.9	-47.5	1460.1	363.0
Pattani Airport	26.9	0.2	246.1	47.1	1430.4	388.9
Narathiwat	26.8	-0.2	323.8	65.8	2466.0	1150.1
Over the area	27.2	0.3	241.3	-11.0 -4%	1727.3	623.8 57%

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	26.6	0.4	221.3	-193.0	4102.2	192.4
Takua Pa	26.5	0.1	472.4	-33.9	4015.1	707.5
Phuket	27.9	0.6	503.1	198.1	2188.7	150.7
Phuket Airport	27.5	0.7	480.3	132.8	2715.8	500.9
Ko Lanta	27.6	0.4	193.3	-133.0	1801.9	-172.5
Trang Airport	27.0	0.7	167.0	-115.3	1965.3	85.7
Satun	27.5	0.8	118.8	-203.6	2130.9	145.7
Over the area	27.2	0.5	308.0	-49.7 -14%	2702.8	230.1 9%

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