

## Monthly Weather Summary in Thailand October 2018

In October 2018, high pressure area from China extended its ridge to cover upper Thailand induced the monsoon trough moved southward to lie over the southern part during the beginning of the month and lay toward the low pressure cell in the lower Gulf of Thailand and in the lower South China Sea for few days in addition with the prevailing of the easterly wind over Thailand almost the whole month. Besides, the tropical depression in the lower South China Sea moved to the Gulf of Thailand and made landfall in southern Thailand at Prachuap Khiri Khan province on October 20 after that it downgraded into low pressure cell and moved to cover the Gulf of Mataban, Myanmar. From these weather conditions, the amount and distribution of rainfall in upper Thailand was mainly observed in the central and eastern parts while northern and northeastern parts obtained rainfall during the second half of the month and plentiful of rain was found in the southern part nearly the whole month. However, the high pressure areas from China extended its ridge to cover upper Thailand during late month causing cool weather in the morning in upper Thailand mainly in the northern and northeastern parts on October 30 onwards and rainfall was relatively decreased which considered as the beginning of the 2018 winter. The monthly rainfall were lower than normal in most regions i.e., northeastern part 65.0 mm (56%), central part 33.3 mm (18%), eastern part 9.5 mm (4%) and southern part (west coast) 61.5 mm (17%) while it was higher than normal in the northern and southern part (east coast) 1.8 mm (1%) and 44.9 mm (18%), respectively.

**1 – 10 October:** A ridge of high pressure area extended from China to cover upper Thailand during early period and later weakened. The monsoon trough which lay across the central, eastern and upper southern parts during early period shifted southwards to lie over southern part during the middle and the end of the period. It lay towards the low pressure cell in the lower Gulf of Thailand on October 4 and 5 and towards the low pressure area in the lower South China Sea on October 6 and 7. the associated easterly wind prevailed over the central, eastern and southern parts almost the whole period brought rainfall in the central and eastern parts almost the whole period especially during the first half of the period that experienced fairly widespread rain with heavy to very heavy rainfall in some areas. Northern part obtained rain with heavy to very heavy rainfall during early period whereas northeastern had less rainfall. The highest daily rainfall was 129.5 millimeter at Amphoe Mueang in Phayao province on October 2 with flooding at Phayao province on October 2 and at Lampang province on October 3. In southern part, plentiful of rain was observed throughout the period especially during mid-period that obtained fairly widespread rain with heavy to very heavy rainfall in some areas. The maximum daily rainfall of 128.5 millimeter was measured at Sukhirin in Narathiwat province on October 5 with flooding at Surat Thani and Phuket provinces on October 2 and at Krabi province on October 3 and at Prachuap Khiri Khan on October 4 and 5 and also flash flooding at Krabi province on October 3.

**11 – 20 October:** The another rather active high pressure areas extended its ridge to cover upper Thailand and the South China Sea during early period and later weakened, the easterly wind prevailed over the lower northeastern, eastern, lower central and southern parts almost the whole period and the low pressure cell covered Malaysia during early period. Moreover, during late period, the active low pressure cell in the lower South China Sea intensified

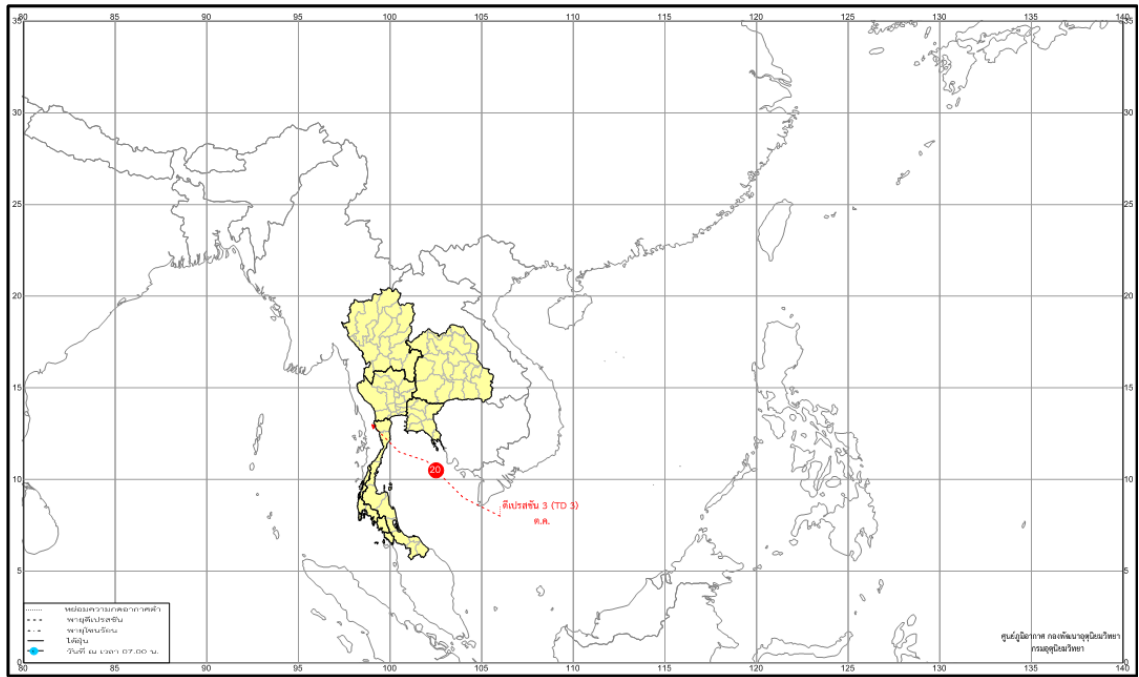
into the tropical depression on October 19 after that it moved through the Tip of Indochina into the Gulf of Thailand and made landfall in Southern part of Thailand at Kui Buri, Prachuap Khiri Khan province at 10.00 p.m. on October 20 and downgraded into low pressure area covering Prachuap Khiri Khan province. These conditions caused rainfall in the central, eastern and southern parts especially on the last day of the period that obtained widespread rain with heavy rainfall in several areas and very heavy rainfall in some areas. Meanwhile, northern and northeastern parts experienced rainfall in the lower portion during the second half of the period. The highest daily rainfall in upper Thailand was 110.7 millimeter at Non Sang self-help Settlement in Nong Bua Lamphu province on October 17 with flash flooding at Kanchanaburi province on October 20. The heaviest daily rainfall in southern Thailand was 98.6 mm at Hat Chao Samran, Amphoe Mueang, Phetchaburi province on October 20.

**21 – 31 October:** Under the influence of the low pressure cell which downgraded from the tropical depression moved to cover the Gulf of Mataban, Myanmar during early period and the prevailing of the southeasterly over the northeastern, central, eastern and the Gulf of Thailand during the first half of the period. Besides, the easterly wind blowing over the southern part and the low pressure area covered lower southern part and Malaysia during mid-period. These conditions caused scattered to fairly widespread rain with heavy to very heavy rainfall in some areas in the northern and northeastern parts during early period while central and eastern part experienced rainfall during the first half of the period. The maximum daily rainfall in upper Thailand was 364.0 millimeter at Wat Sap Samosorn School, Nong Chok District, Bangkok on October 22. Flash flooding was reported at Lampang province on October 23 and flash flooding with mudslide at Lamphun province on October 23. In southern part, abundant rainfall was observed almost the whole period especially fairly widespread rain with heavy to very heavy rainfall in some places during the first half of the period. The heaviest daily rainfall in southern Thailand was 100.4 millimeter at Phato in Chumphon province on October 24 with flash flooding at Trang province on October 23 and at Prachuap Khiri Khan province on October 25. However, the rather active high pressure area from China extended its ridge to cover upper Thailand during the middle of the period and the another high pressure extended to dominate the mentioned areas during late period causing cool weather in the morning in the northern and northeastern parts and decreasing in rainfall in upper Thailand. The lowest minimum temperature was 16.8 °C at Agrometeorological Station in Roi Et and Nakhon Phanom province on October 31. Cold weather was observed in the mountainous areas and mountain tops with the lowest temperature of 8.8 °C at Doi Tnthanon, Chom Thong in Chiang Mai province on October 28.

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**Note :** Rainfall, temperatures and natural disasters in this report were updated up to November 6, 2018.

Climatological Center  
Meteorological Development Bureau  
Meteorological Department



Track of tropical depression entering Thailand in October 2018

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2018

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	26.1	1.0	168.4	43.5	1808.5	191.2
Mae Hong Son	26.4	0.0	120.8	6.3	1135.8	-101.3
Phayao	25.9	0.6	239.0	116.4	1437.8	349.0
Chiang Mai	27.5	1.4	214.6	97.0	951.0	-109.8
Tha Wang Pha	27.1	1.3	95.2	11.8	1830.5	461.0
Nan	27.7	1.3	18.2	-52.1	1109.6	-97.8
Lamphun	26.9	0.8	254.1	144.0	1101.1	148.8
Lampang	27.3	1.0	102.7	4.4	1150.3	141.3
Mae Sariang	26.6	0.5	202.7	87.5	1501.6	395.5
Phrae	27.6	1.1	32.7	-56.1	1031.7	-49.7
Uttaradit	28.7	1.0	102.3	-8.7	1326.1	-13.8
Bhumibol Dam	26.9	0.5	209.2	4.9	1025.3	33.9
Tak	27.7	0.9	180.9	-18.3	911.5	-89.9
Mae Sot	27.0	0.9	77.0	-25.1	1770.3	332.3
Umphang	24.9	1.0	79.6	-76.2	1202.2	-228.8
Phitsanulok	28.6	0.8	60.4	-102.1	1160.2	-112.3
Lom Sak	28.1	1.3	45.5	-43.0	872.4	-152.3
Phetchabun	28.3	1.5	94.8	4.4	1016.5	-97.5
Wichian Buri	28.7	1.0	83.9	-47.7	1315.8	119.8
Kamphaeng Phet	28.5	1.3	136.5	-55.2	1119.6	-136.3
Over the area	27.3	0.9	125.9	1.8 1%	1238.9	49.1 4%

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	28.2	1.5	75.6	-15.3	1743.2	154.5
Loei	26.7	1.1	71.6	-51.7	1142.6	-69.6
Udon Thani	27.9	1.0	38.9	-51.2	1398.6	-6.6
Nakhon Phanom	28.2	1.8	44.6	-52.4	2790.2	457.9
Sakon Nakhon	27.5	1.1	2.2	-74.7	1572.1	-55.4
Mukdahan	28.0	1.7	27.0	-73.6	1931.1	467.0
Khon Kaen	27.5	1.0	77.6	-40.1	1277.8	51.0
Kosum Phisai	28.3	1.2	23.6	-87.8	1206.1	-36.4
Roi Et	28.3	1.6	14.1	-93.2	1216.7	-108.0
Chaiyaphum	28.4	1.4	76.7	-60.3	898.5	-215.6
Ubon Ratchathani	28.2	1.4	77.3	-45.8	1722.4	164.3
Tha Tum	28.1	1.1	46.2	-80.1	1086.2	-279.7
Surin	28.1	1.4	55.3	-72.9	1112.5	-289.1
Nakhon Ratchasima	28.3	1.6	106.8	-39.5	1009.2	-35.7
Chok Chai	28.1	1.5	67.6	-96.7	860.7	-181.5
Nang Rong	27.7	1.2	27.8	-106.1	743.5	-409.8
Over the area	28.0	1.4	52.1	-65.0 -56%	1357.0	-24.5 -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.
  - 4) Temperature and rainfall are preliminary data.

Monthly Current Report  
Rainfall and Accumulative Rainfall  
October 2018

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	29.2	1.5	20.7	-132.7	859.4	-258.3
Bua Chum	28.1	0.9	102.3	-25.0	1633.4	572.7
Lop Buri	29.0	1.2	106.3	-47.4	1211.1	123.6
Suphan Buri	29.1	1.1	186.2	-10.5	867.5	-57.1
Thong Pha Phum	27.4	0.8	126.4	-45.9	1865.1	108.9
Kanchanaburi	28.6	1.3	186.2	-23.0	728.1	-263.5
Bangkok Airport	28.8	0.6	193.3	1.4	1590.0	258.2
Bangkok Metropolis	28.8	0.7	311.1	19.0	1745.6	153.2
Over the area	28.6	1.0	154.1	-33.0 -18%	1312.5	79.7 6%

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	29.5	1.4	112.0	-48.9	1956.7	170.1
Kabin Buri	28.2	0.7	166.0	11.5	2254.1	690.3
Aranyaprathet	28.7	1.2	149.7	-24.5	1403.6	99.1
Chon Buri	28.9	1.0	186.3	-22.6	1304.6	63.3
Ko Sichang	28.2	0.7	219.6	12.5	1117.9	-31.9
Pattaya	27.6	0.6	226.6	10.5	1053.4	23.1
Sattahip	27.9	0.6	402.5	142.7	1464.0	284.0
Rayong	28.0	0.4	127.4	-67.0	938.3	-388.2
Chanthaburi	28.1	1.1	248.0	-49.6	2333.7	-599.2
Khlong Yai	27.4	0.6	317.9	-59.5	4776.3	25.4
Over the area	28.3	0.9	215.6	-9.5 -4%	1860.3	33.5 2%

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Rainfall and Accumulative Rainfall  
October 2018

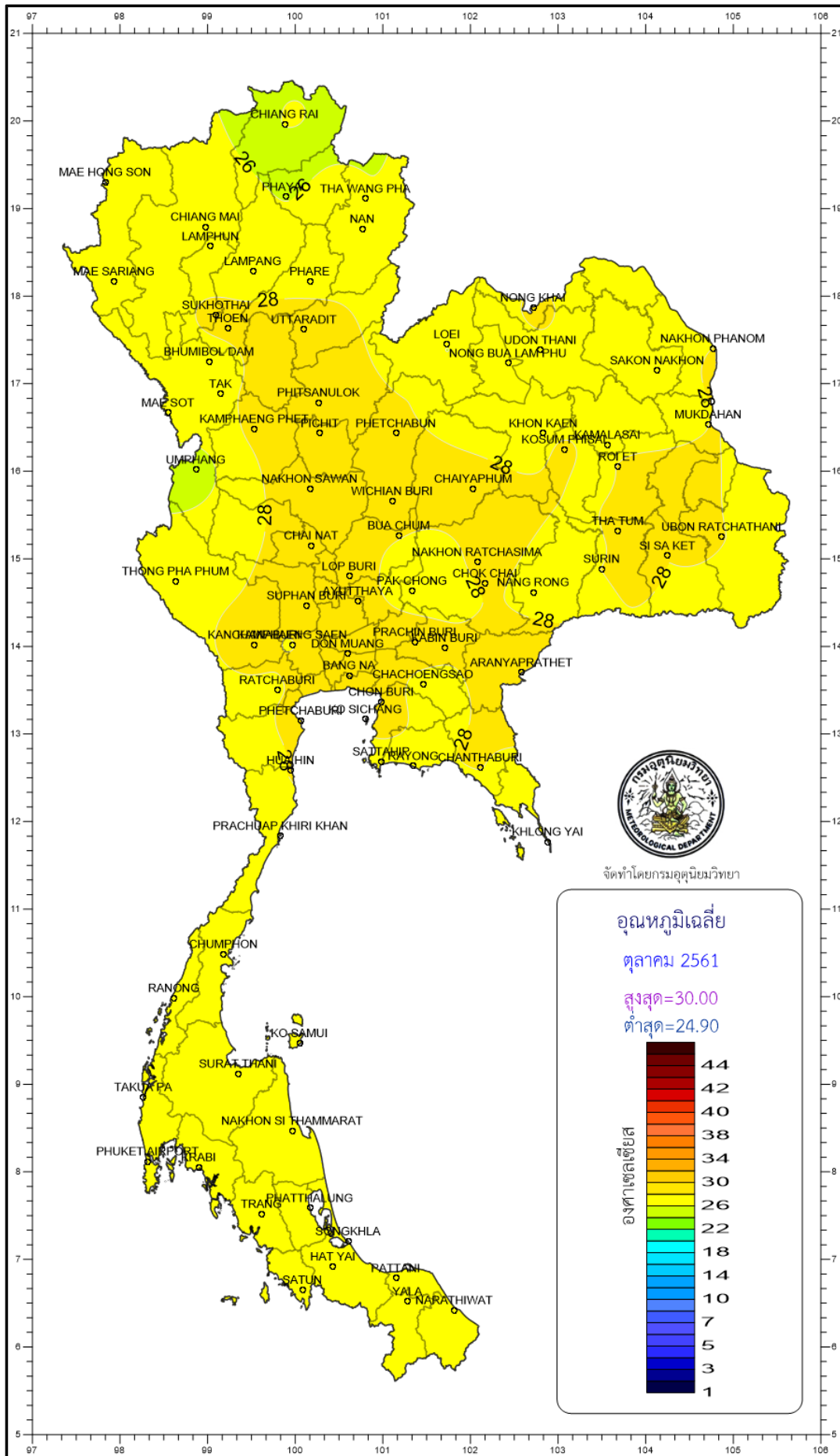
Southern Thailand, east coast

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	28.8	1.1	360.2	81.8	942.6	60.7
Hua Hin	28.3	0.9	355.7	109.5	1095.1	249.1
Prachuap Khiri Khan	27.7	0.6	345.6	117.8	1121.9	199.6
Chumphon	27.3	0.7	224.4	-27.2	1593.7	132.2
Surat Thani	26.9	0.5	162.7	-73.7	1280.2	117.5
Ko Samui	27.6	0.4	215.0	-94.8	1217.9	-25.3
Nakhon Si Thammarat	27.1	0.4	335.1	32.1	1299.1	-114.5
Songkhla	27.5	0.2	456.8	199.7	1366.3	290.2
Hat Yai Airport	26.9	0.4	212.0	-15.8	1023.8	-117.7
Pattani Airport	27.3	0.4	309.1	92.9	1318.1	237.9
Narathiwat	27.4	0.5	326.0	71.6	1783.6	443.4
Over the area	27.5	0.5	300.2	44.9 18%	1276.6	133.8 12%

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	27.1	0.7	307.2	-117.3	4669.8	799.2
Takua Pa	26.6	0.1	382.0	-135.8	3574.8	219.8
Phuket	27.8	0.4	360.0	39.9	1964.1	-5.6
Phuket Airport	27.5	0.5	216.5	-136.9	2393.0	193.2
Ko Lanta	27.3	0.0	300.2	-25.2	1641.9	-332.0
Trang Airport	27.0	0.6	299.9	14.4	1947.1	127.9
Satun	27.3	0.5	268.9	-70.1	1984.3	15.2
Over the area	27.2	0.4	305.0	-61.5 -17%	2596.4	145.4 6%

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CHIANG RAI  
 MAE HONG SON  
 PHAYAO  
 THA WANG PHA  
 CHIANG MAI  
 LAMPHUN  
 NAN  
 MAE SARIANG  
 LAMPANG  
 PHARE  
 SUKHOTHAI  
 THOEN  
 UTTARADIT  
 NONG KHAI  
 LOEI  
 UDON THANI  
 NONG BUA LAMPHU  
 BHMIBOL DAM  
 TAK  
 PHITSANULOK  
 NAKHON PHANOM  
 SAKON NAKHON  
 MAE SOT  
 KAMPHAENG PHET  
 PHICHIT  
 PHETCHABUN  
 KHON KAEN  
 KOSUMPHISIT  
 KAMALASAI  
 ROEET  
 UMPHANG  
 NAKHON SAWAN  
 WICHIAN BURI  
 CHAIYAPHUM  
 MUKDAHAN  
 CHAI NAT  
 BUA CHUM  
 THA TUM  
 UBON RATCHATHANI  
 THONG PHA PHUM  
 LOP BURI  
 PAK CHONG  
 CHOK CHAI  
 NANG RONG  
 SURIN  
 SI SA KET  
 SUPHAN BURI  
 AYUTTHAYA  
 KANBURI  
 NONG SAEN  
 DON MUANG  
 PRACHIN BURI  
 BIN BURI  
 RATCHABURI  
 BANG NA  
 CHACHOENGSAO  
 ARANYAPRATHET  
 CHON BURI  
 PHETCHABURI  
 SICHANG  
 HUAHIN  
 SATTAHIP  
 KRYONGCHANTHABURI  
 PRACHUAP KHIRI KHAN  
 KHLONG YAI  
 CHUMPHON  
 RANONG  
 KO SAMUI  
 SURAT THANI  
 TAKU PA  
 NAKHON SI THAMMARAT  
 PHUKET  
 PHIBRANI  
 PHRATHIANG  
 PHRATHUNG  
 TRANG  
 PHATTHALUNG  
 SONGKHLA  
 HAT YAI  
 SATUN  
 RATTANI  
 YALA  
 NARATHIWAT

