

Monthly Weather Summary in Thailand November 2020

The high pressure area from China periodically extended its ridge to cover upper Thailand causing generally cool weather in the northern and northeastern parts almost the month with cold weather in some areas of the upper portion and cold to very cold weather in the mountainous area and mountaintops whereas other parts experienced cool weather during the middle of the month. However, the average monthly temperature in November was above normal in every region especially in the northern region where the temperature was 1.6 °C above normal. For rainfall, due to the influence of the remnant of 3 tropical cyclones namely “GONI, (2019)” and “ETAU, (2021)” which weakened into the low pressure cell over central Vietnam before covering Cambodia in the early month, the typhoon “VAMCO, (2022)” which made landfall northern Vietnam and dissipated over Laos on November 16 and easterly wind prevailed over the lower northeastern, lower central and eastern parts during November 20-22 resulted in unusual rainfall in upper Thailand with isolated heavy to very heavy rainfall in the central and eastern parts during that time. For the southern part, the effects of the northeast monsoon which prevailed over the Gulf of Thailand and southern part was active during the middle and the end of the month, the easterly wave moved to cover lower southern Thailand and the low pressure cell moved to cover coastal Malaysia during late month. These brought plentiful rainfall almost the whole month especially during late month that southern east coast received successive downpour of rain which induced flash flooding in some areas. Monthly rainfall was below normal in most parts of Thailand i.e., northern 23.2 mm (71%), northeastern 16.2 mm (83%), central 5.6 mm (15%), eastern 22.8 mm (43%) and southern part (east coast) 28.4 mm (8%) except for southern part (west coast) that was below normal 17.8 mm (9%).

1 – 10 November: The high pressure area from China extended its ridge to cover upper northern and northeastern part during early period and then covering upper Thailand and another rather active high pressure area from China extended its ridge to cover the mentioned areas during late week. These caused cool weather in almost areas of the northeastern part during early period after that the temperature relatively decreased to generally cool weather with cold weather in some areas in the upper portion. The northern part experienced cool weather in almost areas nearly the whole period with cold weather in some areas of the upper portion during late period. The central and eastern parts had cool weather in some areas during the middle and the end of the period. The lowest minimum temperature was 15.4 °C at Agrometeorological Station in Nakhon Phanom province on November 10 and 6.0 °C over the area of mountaintops at Doi Inthanon, Chom Thong in Chiang Mai province on November 10. For rainfall, with the remnant of tropical storm “GONI, (2019)” that downgraded into the tropical depression over the middle South China Sea and made landfall over central Vietnam on November 6 and degenerated into the active low pressure cell covering Cambodia and later dissipated on the following day accompanied with the tropical storm “ETAU, (2021)” in the middle South China Sea hit Vietnam at Nha Trang in the morning of November 10 and downgraded into the tropical depression and active low pressure cell in the evening on the same day causing unseasonable rainfall in upper Thailand at that time. The maximum daily rainfall of 59.8 millimeter was recorded at Wiang Chiang Rung in Chiang Rai province on November 4 with gusty wind at Chiang Mai province on November 2 and flash

flooding at Mae Hong Son province on November 4. For the southern part, under the influence of the northeastern monsoon which prevailed over the Gulf of Thailand and southern part almost the period and the monsoon trough lay across lower southern part during the early period resulted in plentiful rainfall almost the period with the highest daily rainfall of 150.0 mm at Chai Buri in Surat Thani province on November 7 and flooding at Surat Thani province on November 7 and at Chumphon province on November 9.

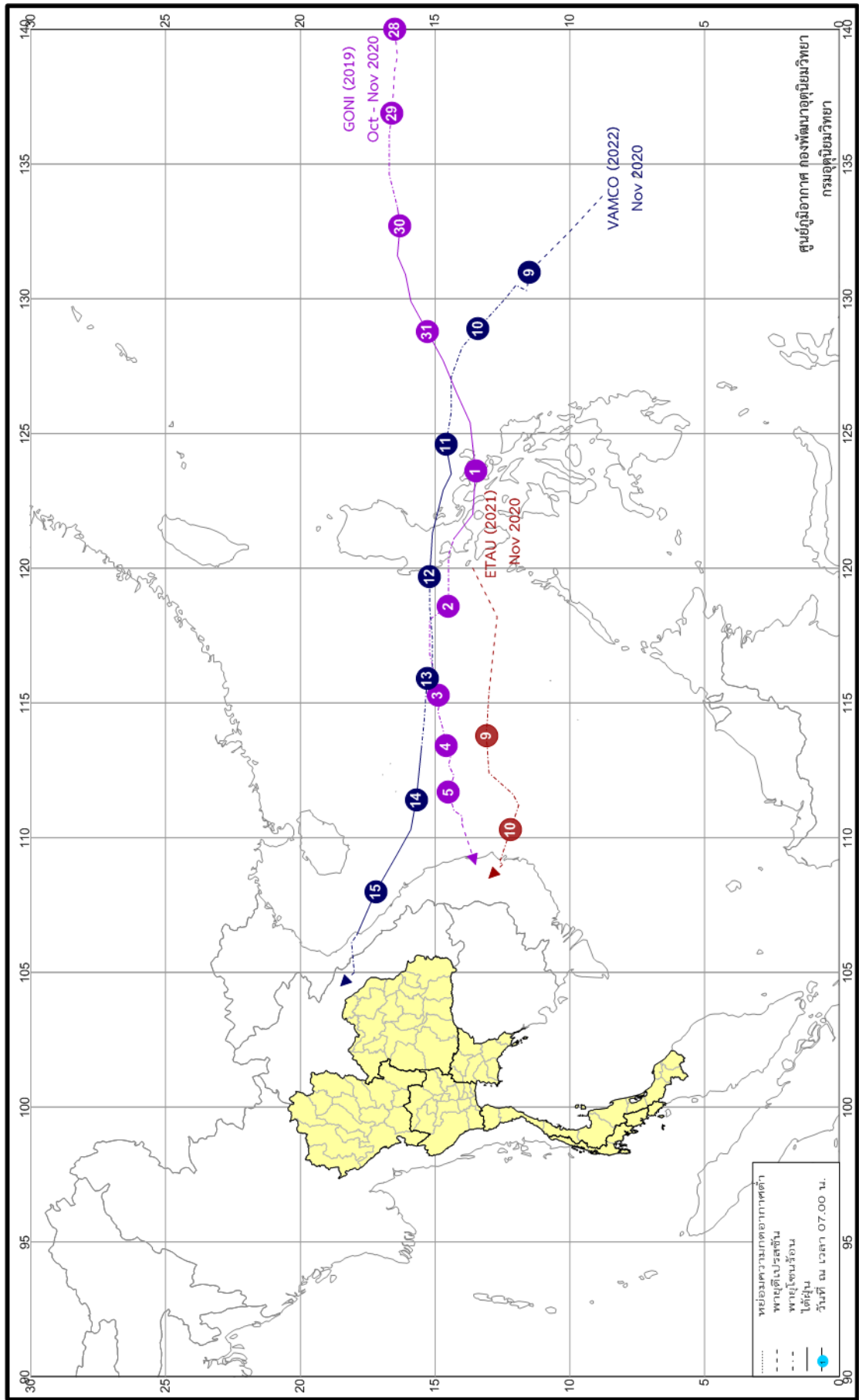
11 – 20 November: The rather active high pressure area from China extended its ridge to cover upper Thailand during the first half of the period and then weakened. In addition, the northeast monsoon which prevailed over the Gulf of Thailand and southern part was active during early period. These caused generally cool weather in the northern and northeastern parts throughout the period with cold weather in some areas during the first half of the period and cool weather in almost areas during the first half of the period for the rest parts. The lowest minimum temperature was 13.0 °C at Agrometeorological station in Chaing Rai province on November 15 and 5.1 °C over the area of mountaintop at Kew Mae Pan, Doi Inthanon, Chom Thong in Chiang Mai on November 15. Due to the active low pressure cell covering Cambodia on the first day of the period, the remnant of typhoon “VAMCO, (2022)” which downgraded into a tropical storm and made landfall at Dong Hoi, Vietnam in the afternoon of November 15 and weakened into the tropical depression passing Laos and dissipated in the morning on the following day and the easterly wind prevailed over lower northeastern, lower central and eastern parts on the last day of the period resulted in scattered to fairly widespread light to moderate rain in upper Thailand during the first half of the period and on the last day of the period mainly in the northeastern, central and eastern parts. The maximum daily rainfall was 40.2 mm at Rayong Self-Help Settlement, King Amphoe Nikhom Phatthana in Rayong province on November 20 with the occurrence of gusty wind at Rayong and Samut Prakan provinces on the same day. In the southern part, with the prevailing of the northeast monsoon over the Gulf of Thailand and southern part coupled with the passage of the easterly wave over the eastern and southern parts on the last day of the period brought abundant rainfall almost the period. The southern Thailand east coast obtained fairly widespread rain during the early period then decreasing in rainfall to scattered rain and isolated heavy to very heavy rainfall was found almost the period while fairly widespread rain was mainly observed during the early and late period along the west coast. The highest daily rainfall was 143.4 mm at Southern Meteorological Center in Songkhla province on November 14. With flash flooding at Yala province on November 11 and at Chumphon province on November 13.

21 – 30 November: During this period, high pressure area from China which covered upper Thailand and the South China Sea during early period was weak and another rather active high pressure areas periodically extended its ridge to cover the mentioned areas in addition with the prevailing of the northeast monsoon over the Gulf of Thailand and southern part. These caused cool weather in almost areas during early period with cold weather in upper northern part after that the temperature dropped with generally cool weather and cold weather in some areas, while the other regions had cool in some places. The lowest minimum temperature was 13.6 °C at Agrometeorological station in Chaing Rai province on November 30 and 3.7 °C over the area of mountaintop at Kew Mae Pan, Doi Inthanon, Chom Thong in Chiang Mai on November 21. For rainfall, there was scanty rain in the northern and northeastern parts while scattered to fairly widespread rain was observed in the central and eastern parts during early period with heavy to

very heavy rainfall in some areas because of the prevailing of the easterly wind over lower northeastern, lower central and eastern parts. The maximum daily rainfall of 109.7 mm was measured at Central Region Sugarcane Center in Kanchanaburi province on November 21 with flash flooding at Kanchanaburi on November 22. In the southern part, the northeast monsoon which prevailed over the Gulf of Thailand and southern part was strong during the middle and the end of the period coupled with the low pressure cell covered coastal Malaysia during mid-period and the low pressure cell in the lower South China Sea moved to cover coastal Malaysia on the last day of the week caused abundant rainfall in southern part throughout the week especially along the east coast that obtained fairly widespread rain from Chumphon province southward almost the period with heavy to very heavy rainfall in several areas during the second half of the period inducing flash flooding in some areas. Fairly widespread rain was found almost the period along the west coast with heavy to very heavy rainfall in some areas. The highest daily rainfall was 276.4 mm at Singhanakhon in Songkhla province on November 30 with flash flooding at Songkhla and Yala province on November 21, at Phuket province on November 23, at Songkhla province on November 25-27, at Nakhon Si Thammarat province on November 25-30, at Trang province on November 26-27, at Phatthalung province, Yala and Narathiwat provinces on November 27, and at Surat Thani and Pattani provinces on November 30.

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- Note :**
- 1) Rainfall, temperatures and natural disasters in this report were updated up to December 3, 2020.
 - 2) “GONI” mean a swan contributed by Republic of Korea.
 - 3) “ETAU” mean Palauan word for storm cloud contributed by United State of America.
 - 4) “VAMCO” mean a river in the southwestern part of Viet Nam contributed by Vietnam.

Climatological Center
Meteorological Development Division
Meteorological Department



The tracks of the tropical storm that affected Thailand rainfall in November 2020

Monthly Current Report
Rainfall and Accumulative Rainfall
November 2020

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	24.0	1.8	18.6	-40.6	1198.5	-478.0
Mae Hong Son	24.9	0.9	31.2	-13.7	982.1	-299.9
Phayao	24.5	1.8	39.3	2.0	811.9	-314.2
Chiang Mai	26.4	2.4	2.1	-51.8	1085.1	-29.6
Tha Wang Pha	25.2	2.1	0.1	-27.5	1194.7	-202.4
Nan	25.8	1.9	9.5	-8.6	1213.2	-12.3
Lamphun	25.6	1.7	11.4	-32.7	1061.8	65.4
Lampang	25.8	1.6	0.4	-29.1	951.4	-87.1
Mae Sariang	25.7	1.8	36.3	14.2	736.4	-391.8
Phrae	26.0	1.6	2.7	-22.9	1370.9	263.9
Uttaradit	27.5	1.6	0.0	-26.7	1086.1	-280.5
Bhumibol Dam	26.1	1.3	0.4	-44.4	728.4	-307.8
Tak	26.6	1.4	1.7	-52.9	862.8	-193.2
Mae Sot	26.5	2.1	0.2	-23.5	892.5	-569.2
Umphang	23.8	1.8	0.8	-24.4	1328.6	-127.6
Phitsanulok	27.4	0.9	1.5	-31.9	1148.6	-157.3
Lom Sak	26.9	1.5	0.2	-13.7	1076.1	37.5
Phetchabun	27.4	2.0	1.3	-10.3	939.4	-186.2
Wichian Buri	27.3	1.0	5.4	-14.9	1175.8	-40.5
Kamphaeng Phet	27.3	1.4	30.6	-11.4	660.9	-637.0
Over the area	26.0	1.6	9.7	-23.2 -71%	1025.3	-197.4 -16%

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	26.4	1.8	0.2	-15.0	1954.6	350.7
Loei	25.3	1.7	0.0	-20.0	1165.8	-66.4
Udon Thani	25.8	0.9	0.0	-10.3	1217.8	-197.7
Nakhon Phanom	25.7	1.3	2.7	-7.0	1297.2	-1044.8
Sakon Nakhon	25.0	0.6	1.2	-10.7	1284.6	-354.8
Mukdahan	25.3	0.9	0.9	-12.4	1166.0	-311.4
Khon Kaen	25.8	0.8	2.6	-13.3	1280.7	38.0
Kosum Phisai	26.1	0.8	6.5	-11.6	1269.9	9.3
Roi Et	25.9	1.0	1.4	-13.8	1287.4	-52.5
Chaiyaphum	26.6	1.0	5.4	-13.6	1164.1	31.0
Ubon Ratchathani	25.9	0.5	0.4	-22.2	1594.9	14.2
Tha Tum	26.3	0.9	0.0	-21.0	1023.6	-363.3
Surin	26.1	0.8	4.4	-24.3	1391.2	-39.1
Nakhon Ratchasima	26.4	1.0	2.7	-21.2	1457.0	388.2
Chok Chai	26.3	1.2	3.3	-26.1	1177.9	106.3
Nang Rong	25.7	0.7	21.2	-16.0	1623.5	433.0
Over the area	25.9	1.0	3.3	-16.2 -83%	1334.8	-66.2 -5%

- 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
November 2020

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	28.0	1.5	11.0	-16.4	803.8	-341.3
Bua Chum	26.5	0.8	3.6	-18.5	1099.7	16.9
Lop Buri	28.0	0.9	9.6	-23.5	904.4	-216.2
Suphan Buri	27.7	0.9	3.0	-41.1	848.0	-120.7
Thong Pha Phum	26.2	0.9	1.1	-24.5	1501.4	-280.4
Kanchanaburi	27.4	1.0	114.5	55.9	1148.3	98.1
Bangkok Airport	28.2	0.5	23.0	-14.0	1295.3	-73.5
Bangkok Metropolis	28.7	0.9	86.6	37.1	1704.2	62.3
Over the area	27.6	0.9	31.6	-5.6 -15%	1163.1	-106.9 -8%

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	28.5	1.1	8.4	-23.3	1529.7	-288.6
Kabin Buri	27.0	0.3	10.1	-19.0	1486.4	-106.5
Aranyaprathet	27.5	0.8	52.2	16.7	1292.6	-47.4
Chon Buri	28.6	1.0	14.9	-33.9	1243.5	-46.6
Ko Sichang	28.2	1.0	13.9	-46.7	1166.3	-44.1
Pattaya	27.6	0.9	20.4	-51.7	1001.9	-100.5
Sattahip	27.6	0.7	68.2	-7.9	2192.8	936.7
Rayong	27.7	0.5	25.6	-25.2	1700.9	323.6
Chanthaburi	27.5	0.6	37.8	-16.7	2537.1	-450.3
Khlong Yai	27.8	0.5	53.1	-20.5	3502.2	-1322.3
Over the area	27.8	0.7	30.5	-22.8 -43%	1765.3	-114.8 -6%

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Monthly Current Report
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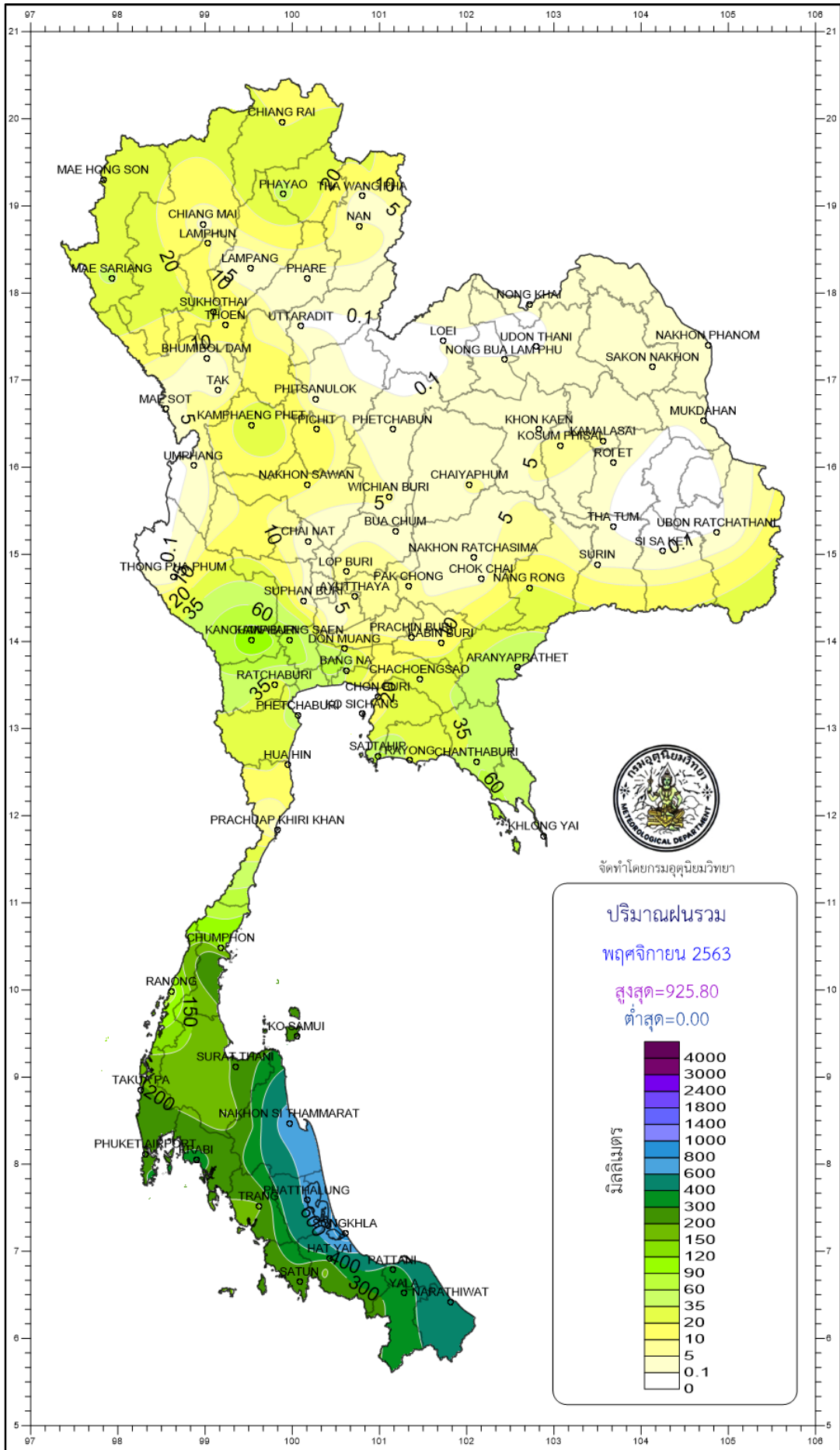
Southern Thailand, east coast

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	1.0	44.5	-49.3	914.3	-61.4
Hua Hin	28.0	1.1	16.4	-84.8	909.5	-37.7
Prachuap Khiri Khan	27.8	1.2	2.7	-151.8	966.9	-109.9
Chumphon	27.2	1.2	120.4	-167.5	1412.3	-337.1
Surat Thani	26.6	0.7	212.2	-117.7	1631.6	139.0
Ko Samui	27.7	0.9	272.6	-234.0	1510.6	-239.2
Nakhon Si Thammarat	26.6	0.5	758.8	127.6	2427.5	382.7
Songkhla	27.0	0.1	925.8	379.9	2139.3	517.3
Hat Yai Airport	26.5	0.5	331.2	14.1	1440.8	-17.8
Pattani Airport	26.9	0.6	353.5	-53.1	1877.6	390.8
Narathiwat	26.7	0.4	578.2	23.3	2045.3	150.2
Over the area	27.2	0.8	328.8	-28.4 -8%	1570.5	70.5 5%

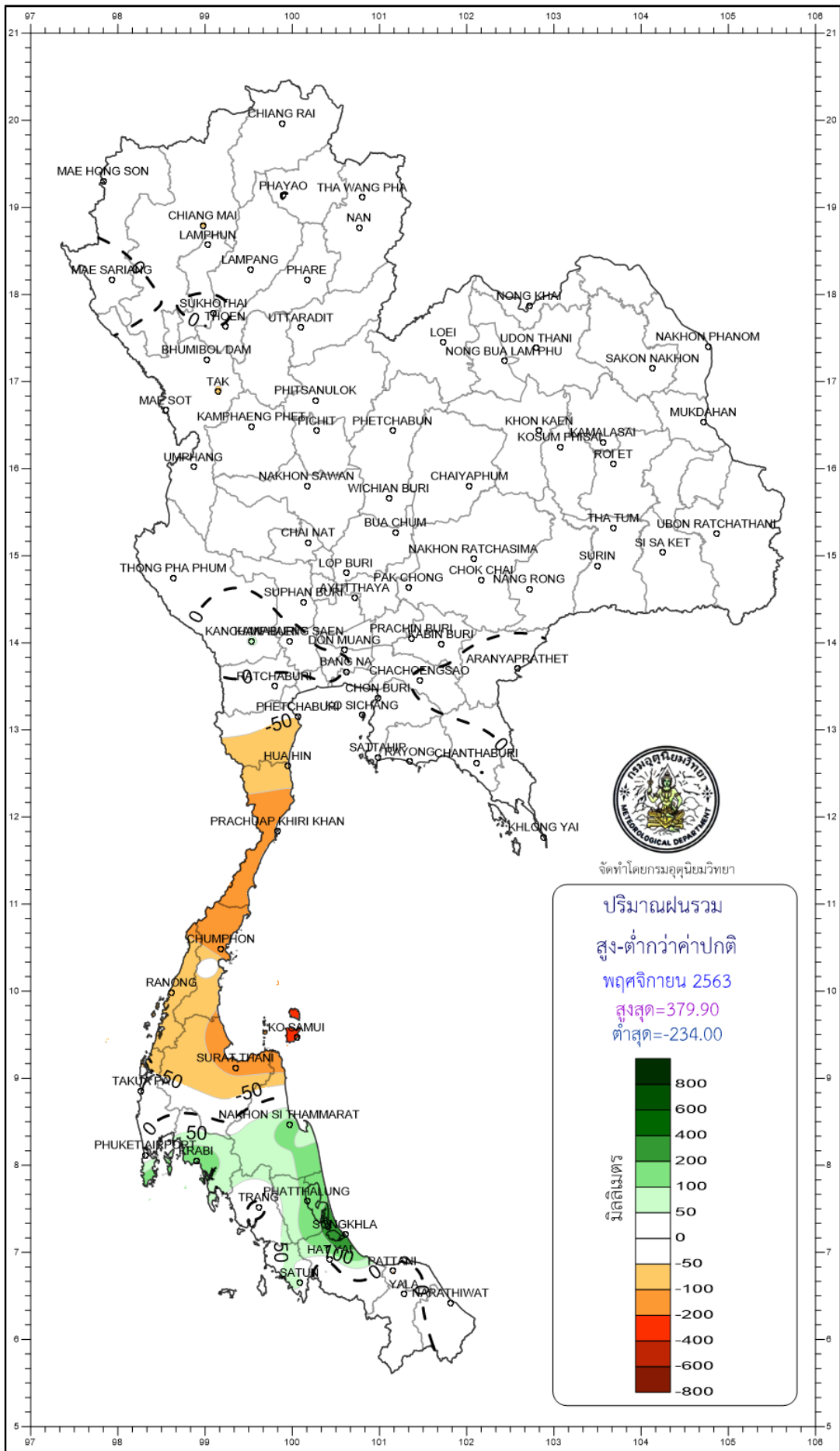
Southern Thailand, west coast

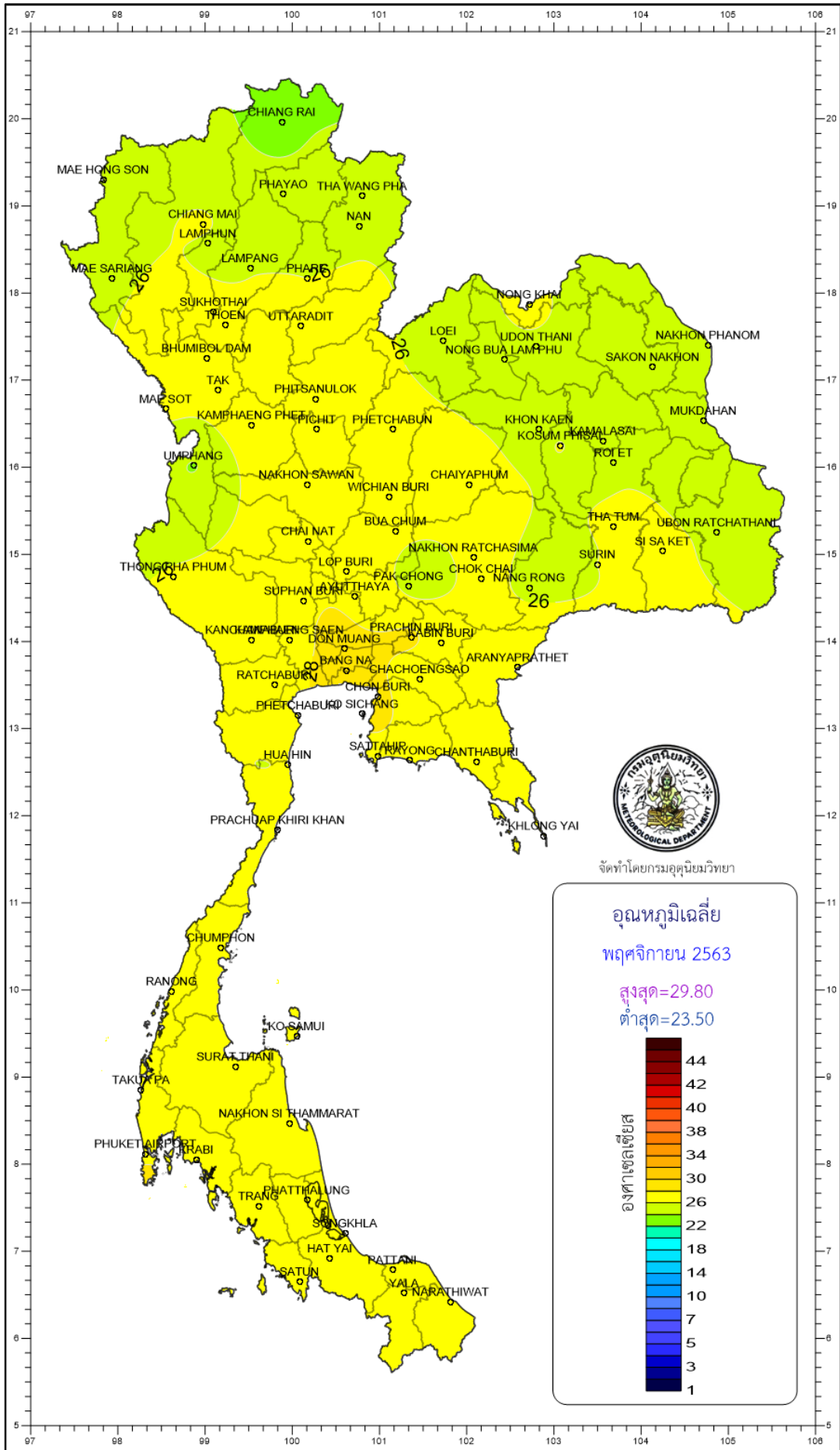
Station	Temperature (°c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Ranong	27.4	0.9	73.0	-79.3	2963.4	-1059.5
Takua Pa	27.1	0.6	206.3	-34.6	3717.7	121.8
Phuket	28.4	0.8	320.8	143.4	2522.6	375.5
Phuket Airport	27.6	0.7	214.3	6.5	2811.7	404.1
Ko Lanta	27.3	0.2	191.9	44.8	2525.4	404.4
Trang Airport	27.0	0.6	187.4	-16.5	1944.2	-78.9
Satun	27.2	0.3	284.1	60.2	2283.5	90.5
Over the area	27.4	0.6	211.1	17.8 9%	2681.2	36.9 1%

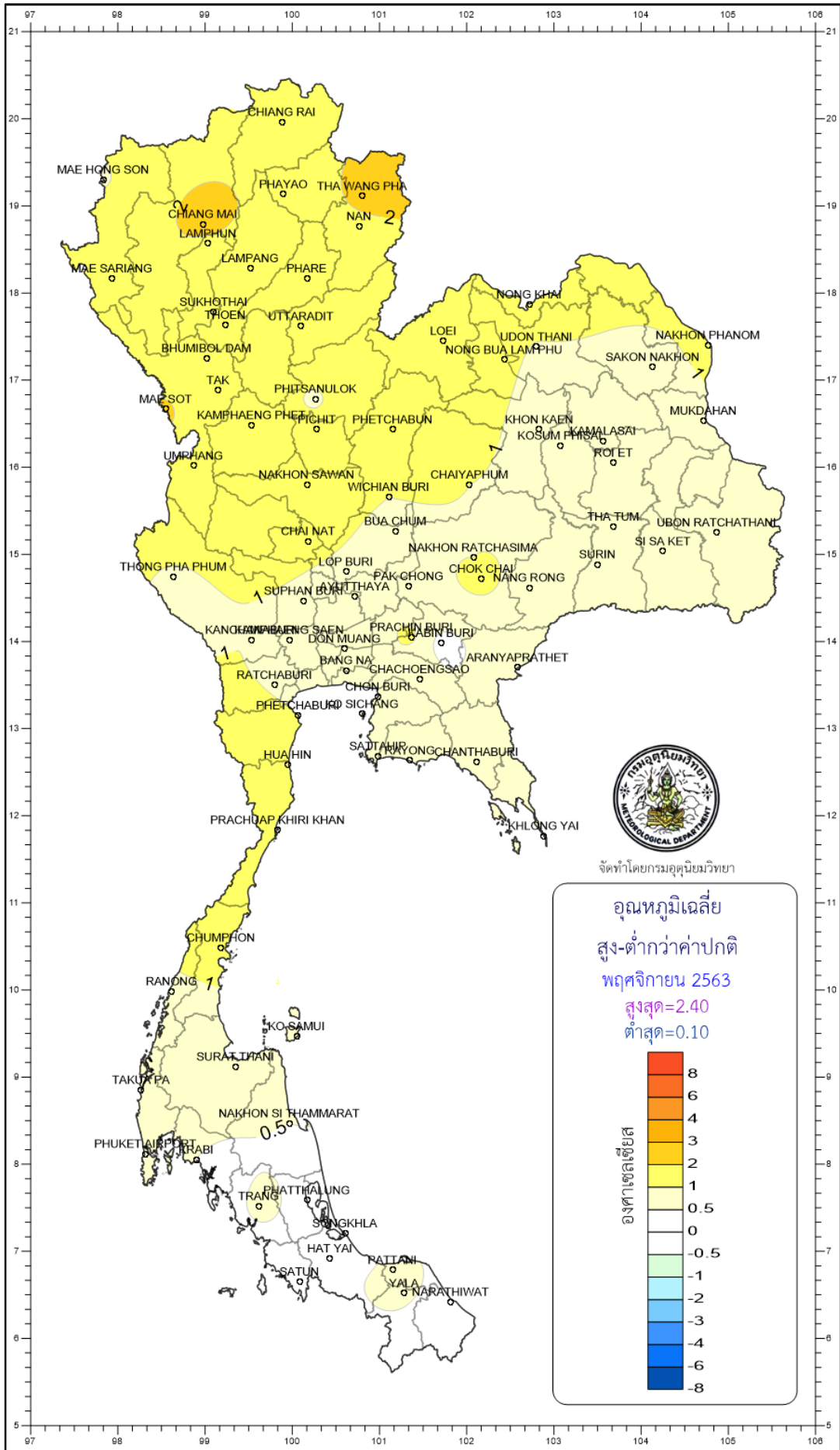
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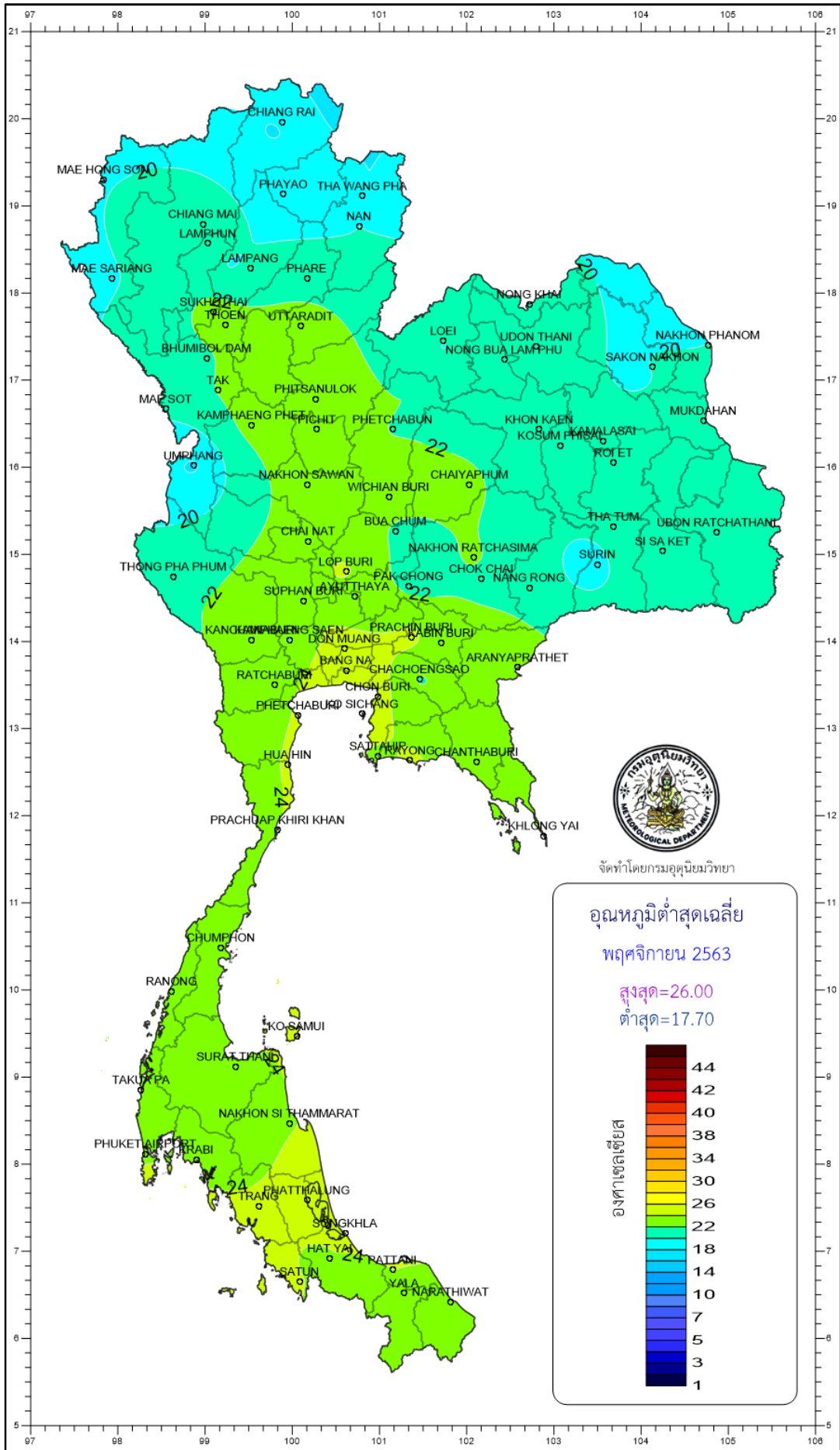


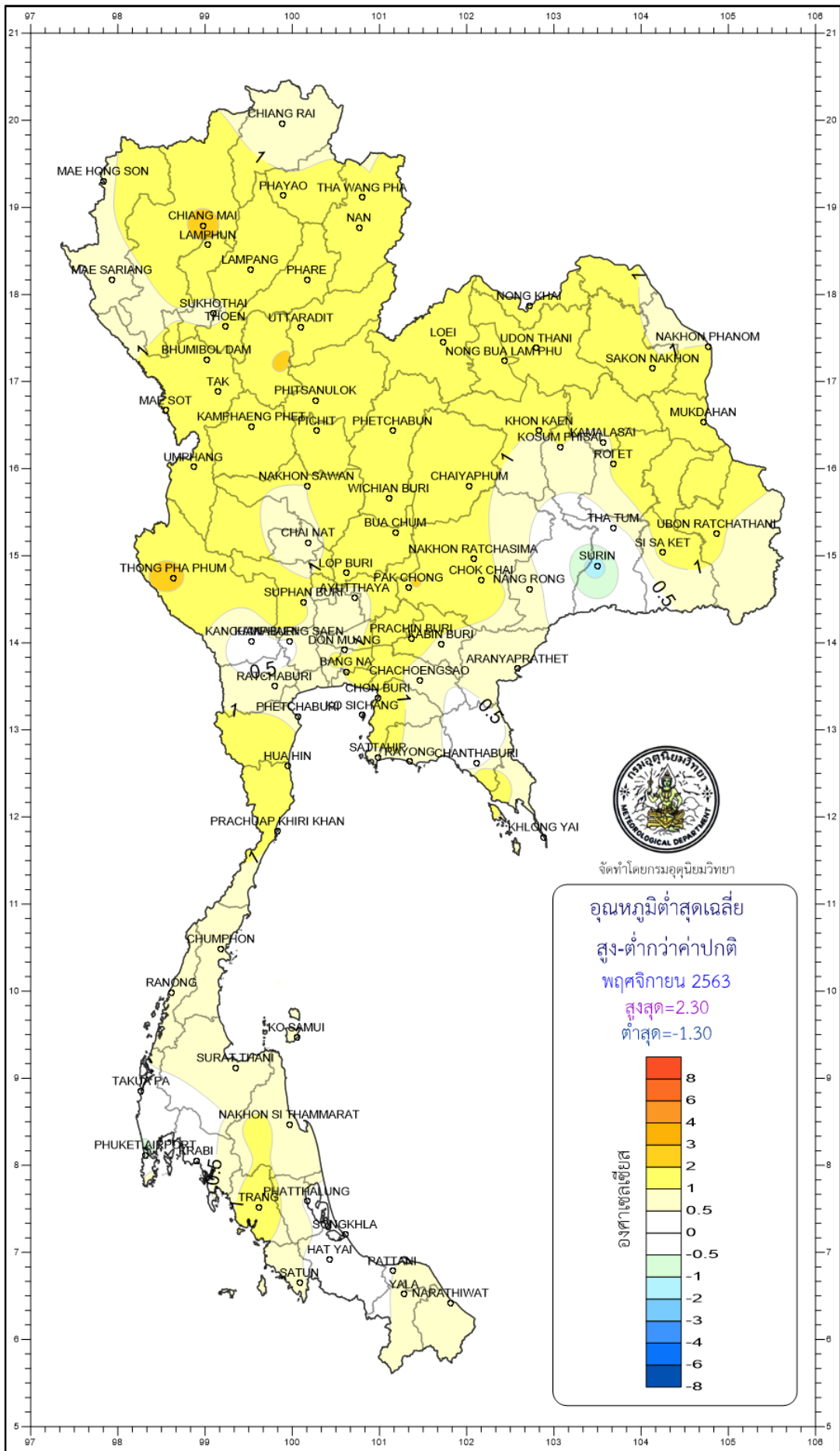
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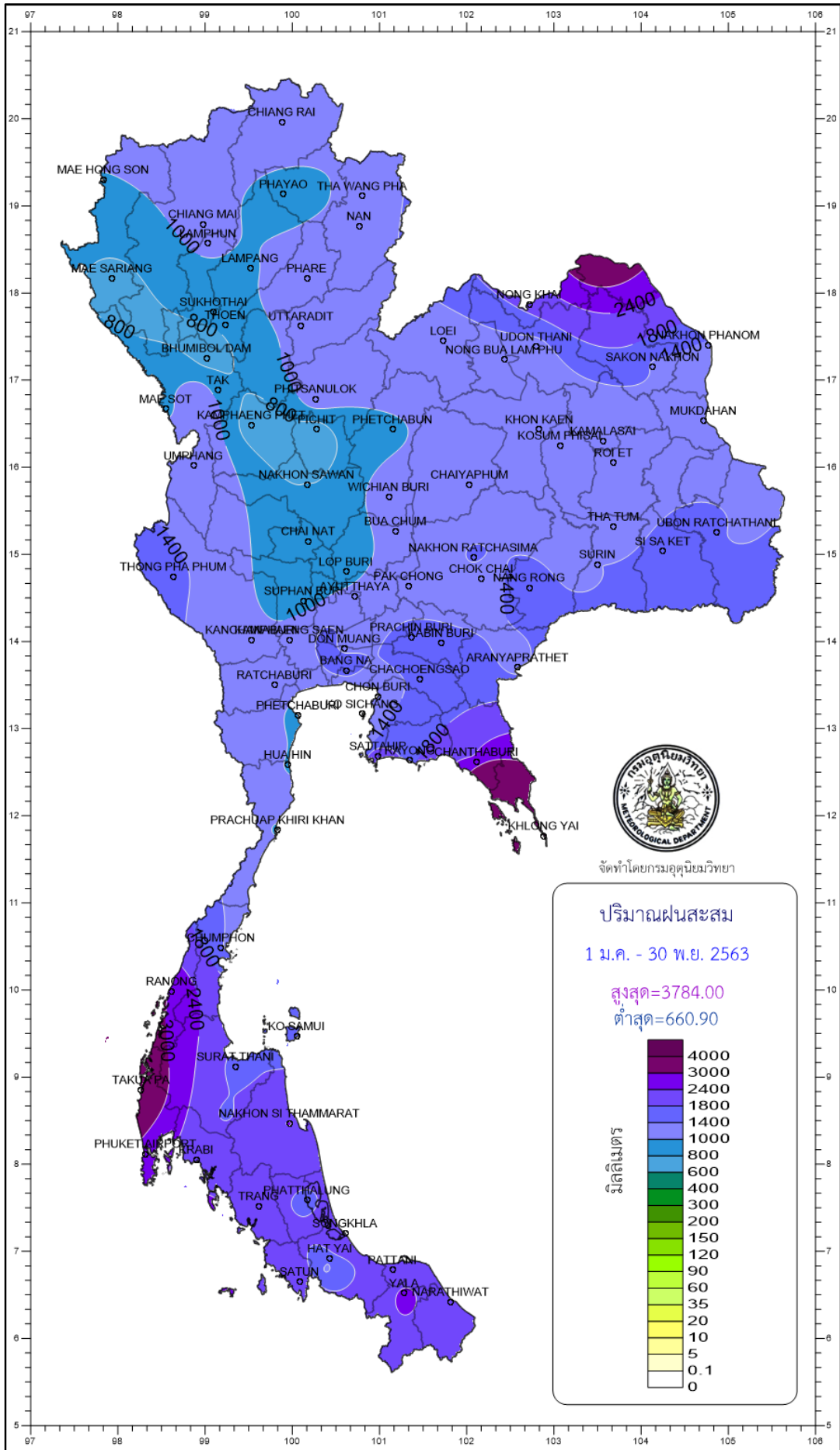












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