

Monthly Weather Summary in Thailand March 2024

In March 2024, the heat low-pressure cell covered upper Thailand much of the month, causing hot weather in upper Thailand almost entire month with scorching hot in the northern, northeastern and central regions in some period. The average temperature was above normal nationwide, especially Chiang Rai, Chiang Mai, Nan and Phayao where temperatures were higher than other areas with 1.8 to 2.2 °C above normal. The average temperature over Thailand in March was 1.4 °C higher than normal. However, with the extending of the high-pressure area from China to cover the northeastern Thailand and the South China Sea, the prevailing of the southerly and southeasterly winds over upper Thailand and the passage of the westerly trough through the northern Thailand and upper Laos at times. These resulted in rainfall with thunderstorm, gusty wind and hail and temperature relatively dropped, especially in the northeastern region. The southern region also experienced hot weather, especially along west coast. Concurrently, with the strengthened of the easterly and southeasterly winds that prevailed over the Gulf of Thailand, southern region and the Andaman Sea at late month, increasing in rainfall was observed at that period. Monthly rainfall was below normal in almost regions i.e. northern region 4.2 mm (13%), central region 1.0 mm (2%), eastern region 3.2 mm (5%) southern region (east coast) 65.5 mm (76%) and southern region (west coast) 71.2 mm (69%) on the contrary with above normal rainfall in northeastern region 24.1 mm (53%). The averaged total rainfall over Thailand was lower than normal 13.3 mm (24%).

1 – 10 March: Heat low-pressure cell covered upper Thailand causing hot weather in almost areas of the northern, central and upper eastern regions with boiling hot in some areas whereas the northeastern region had generally hot weather with very hot in many areas in the middle of the period. The extremely hot of 42.0 °C was reported in central region at Chai Badan, Lop Buri on March 6. However, the high-pressure areas from China extended its ridge to cover the northeastern region and the Southern China Sea at the beginning and the end of period, the southerly and the southeasterly wind prevailed over upper Thailand resulted in rainfall, especially the northeastern and eastern regions that observed isolated heavy to very heavy rain. The highest daily rainfall of 154.6 mm was recorded in the eastern region at Phlew Agrometeorological, Chanthaburi on March 3. Thunderstorms with gusty wind was reported at Chaiyaphum on March 1 and at Kamphaeng Phet and Phetchabun on March 3. The southern region also experienced hot weather, especially along the west coast. Less rainfall was observed in southern region with isolated rain, the highest rainfall of 49.2 mm at Thap Put in Phang-nga on March 4.

11 – 20 March: The heat low-pressure cell covered upper Thailand and the southerly and southeasterly wind prevailed over lower northern, lower northeastern, central and eastern regions. These caused hot weather in upper Thailand with very hot in some areas of the northern, northeastern and central regions. The highest maximum temperature was 41.5 °C at Amphoe Mueang Tak on March 18. However, the high-pressure areas from China extended its ridge to dominate the northeastern region and the Southern China Sea at early and late period and the southerly and the southeasterly wind prevailed over upper Thailand causing unusual rain with decreasing in temperature particularly in the northeastern region. The highest daily rainfall was 190.6 mm in the eastern region at Si Racha, Chon Buri on March 19. Thunderstorm with gusty wind and hails were observed in the northern and northeastern regions at the end of the period with flooding in Chon Buri on March 16 and 19 with inundation in Bangkok Metropolis on March 20. There was less rain in southern region, isolated rain was found in few

days, resulting in hot weather especially along the west coast. The maximum daily rainfall was 28.0 mm at Amphoe Mueang Phetchaburi on March 20.

21 – 31 March: The heat low-pressure cell still persisted over upper Thailand and the southerly and the southeasterly winds prevailed over lower northeastern, lower central and eastern regions causing hot weather with boiling hot in the northern, northeastern and central regions. The highest maximum temperature was 41.7 °C in central region at Amphoe Mueang Kanchanaburi on March 31. However, the extending of the high-pressure area in the middle of the period and the passage of the westerly trough through northern Thailand and upper Laos at late period causing unexpected rain with the highest daily rainfall was 156.7 mm. at Amphoe Mueang Uthai Thani in central region on March 23. There were thundershower and gusty wind in many provinces mainly in the middle and the end of the period and hail also occurred in Loei, Udon Thani, Roi Et and Bung Kan on March 28 with flooding in Nakhon Ratchasima on March 28. For southern region, rainfall was relatively increased at the end of the period by the strengthened of the easterly and southeasterly winds. Isolated to scattered rain was found at late period with scanty rain for the rest days. The heaviest daily rainfall was 92.4 mm at Kui Buri in Prachuap Khiri Khan on March 22 with gusty wind in Phang-nga on March 30.

Note : Rainfall, temperatures and natural disasters in this report were updated up to April 4, 2024.

Climate Center, Meteorological Development Division
Thai Meteorological Derogionment

Monthly Current Report
Rainfall and Accumulative Rainfall
March 2024

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	26.6	1.8	4.3	-30.2	13.1	-50.6
Mae Hong Son	27.9	1.1	5.5	-13.7	8.2	-27.5
Phayao	28.5	2.0	15.9	-18.9	17.1	-39.4
Chiang Mai	29.1	1.8	13.2	-7.2	17.6	-23.7
Tha Wang Pha	28.3	2.2	16.6	-22.3	26.1	-35.5
Nan	28.9	1.8	13.4	-25.3	29.2	-32.6
Lamphun	29.3	1.5	0.2	-17.1	11.2	-19.0
Lampang	29.7	1.5	19.4	-8.4	30.4	-20.8
Mae Sariang	27.6	1.4	0.0	-20.3	2.0	-29.4
Phrae	29.4	1.5	22.3	-9.5	42.8	-14.1
Uttaradit	30.0	1.2	45.9	16.5	63.8	13.7
Bhumibol Dam	30.7	0.9	3.0	-27.9	21.4	-24.0
Tak	31.4	1.1	9.3	-10.2	26.4	-8.8
Mae Sot	29.2	1.7	1.0	-19.9	17.7	-17.5
Umphang	26.0	1.4	43.3	-12.6	92.1	17.1
Phitsanulok	30.1	1.0	87.0	58.1	92.4	39.9
Lom Sak	29.6	1.4	30.6	-10.9	34.8	-29.8
Phetchabun	30.1	1.2	92.1	41.4	92.1	15.2
Wichian Buri	30.7	1.1	57.1	10.1	62.1	-11.1
Kamphaeng Phet	30.0	1.1	83.6	43.2	92.5	34.0
Over the area	29.2	1.5	28.2	-4.2 -13%	39.7	-13.1 -25%

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	28.9	1.0	98.8	55.0	140.5	67.8
Loei	27.8	0.7	123.3	82.9	126.5	64.6
Udon Thani	28.9	0.7	82.1	31.9	98.3	20.5
Nakhon Phanom	28.4	1.0	90.6	29.4	92.2	5.3
Sakon Nakhon	28.2	0.7	25.2	-31.1	28.6	-61.2
Mukdahan	29.1	1.0	87.5	44.9	96.1	32.2
Khon Kaen	29.4	0.8	39.9	1.9	39.9	-21.4
Kosum Phisai	29.7	1.0	48.5	0.6	48.9	-20.2
Roi Et	29.9	1.4	98.5	55.5	98.5	37.1
Chaiyaphum	30.5	1.4	28.8	-22.6	29.0	-38.5
Ubon Ratchathani	30.8	1.8	7.6	-21.0	9.9	-33.2
Tha Tum	29.8	0.9	74.2	31.3	78.1	14.9
Surin	30.7	1.8	9.5	-37.7	9.5	-54.2
Nakhon Ratchasima	30.0	0.8	81.5	35.2	81.6	14.0
Chok Chai	30.0	1.2	59.6	22.9	60.2	2.0
Nang Rong	29.3	0.6	151.6	106.4	156.4	88.6
Over the area	29.5	1.1	69.2	24.1 53%	74.6	7.3 11%

- 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
March 2024

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	31.5	1.2	101.5	65.3	131.8	77.5
Bua Chum	30.9	1.3	64.2	22.5	64.2	2.6
Lop Buri	30.8	1.1	75.1	38.2	75.1	19.8
Suphan Buri	31.1	1.8	0.1	-28.1	2.4	-36.3
Thong Pha Phum	30.4	1.4	34.3	-18.9	39.3	-32.6
Kanchanaburi	31.5	1.6	4.8	-34.6	6.6	-58.7
Bangkok Airport	31.1	1.3	17.8	-32.3	20.2	-57.2
Bangkok Metropolis	30.7	1.0	30.7	-20.3	51.9	-44.1
Over the area	31.0	1.3	41.1	-1.0 -2%	48.9	-16.2 -25%

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	31.0	1.3	106.6	56.1	107.4	35.5
Kabin Buri	30.0	0.8	8.7	-45.9	51.9	-36.7
Aranyaprathet	31.0	1.2	13.4	-45.1	13.4	-80.9
Chon Buri	30.5	1.1	32.6	-23.0	33.2	-54.7
Ko Sichang	29.8	1.0	48.4	1.8	54.5	-33.0
Pattaya	29.5	1.2	14.2	-33.1	89.7	6.2
Sattahip	29.7	1.0	113.1	55.1	133.3	21.2
Rayong	29.9	0.9	41.4	-29.1	82.6	-49.4
Chanthaburi	29.4	1.0	76.7	-7.1	139.3	-8.5
Khlong Yai	29.2	1.1	177.6	37.6	273.4	0.8
Over the area	30.0	1.1	63.3	-3.2 -5%	97.9	-19.9 -17%

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Monthly Current Report
Rainfall and Accumulative Rainfall
March 2024

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	29.6	0.8	28.4	-15.5	41.8	-23.2
Hua Hin	29.6	1.1	80.1	29.6	98.5	9.2
Prachuap Khiri Khan	29.7	1.5	11.1	-65.8	79.0	-64.7
Chumphon	29.3	1.4	10.3	-100.0	170.8	-87.9
Surat Thani	29.0	1.2	0.6	-83.4	4.8	-178.3
Ko Samui	29.3	1.1	0.0	-115.8	197.2	-109.7
Nakhon Si Thammarat	28.5	1.0	13.9	-124.9	203.3	-274.8
Songkhla	29.4	1.3	16.8	-54.5	91.2	-162.2
Hat Yai Airport	28.6	1.0	15.6	-61.8	79.4	-116.0
Pattani Airport	28.7	1.2	42.9	-11.2	109.0	-75.5
Narathiwat	28.6	1.2	14.0	-116.3	155.9	-232.5
Over the area	29.1	1.1	21.2	-65.5 -76%	111.9	-119.7 -52%

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	29.6	1.1	10.4	-67.2	36.6	-101.9
Takua Pa	29.0	1.2	53.4	-91.7	111.6	-140.7
Phuket	31.3	1.9	33.9	-46.8	53.6	-101.0
Phuket Airport	30.0	1.5	14.1	-103.1	27.7	-187.7
Ko Lanta	29.6	0.8	10.7	-58.3	16.2	-107.9
Trang Airport	29.7	1.4	11.3	-90.3	27.3	-157.2
Satun	30.1	1.5	93.1	-40.8	93.5	-124.6
Over the area	29.9	1.3	32.4	-71.2 -69%	52.4	-131.6 -72%

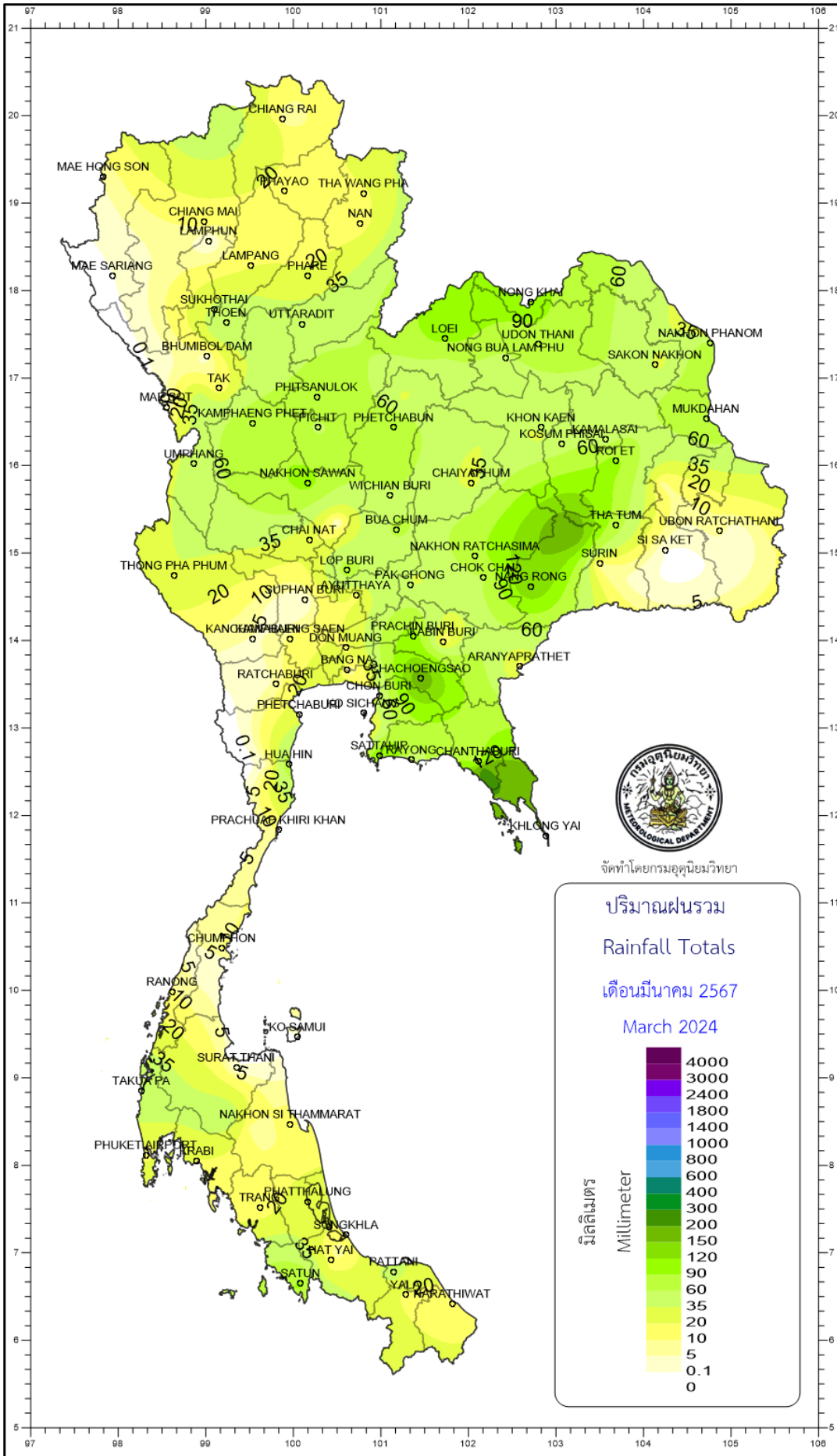
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Monthly Current Report

March 2024

Region	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
North	Chiang Rai	26.6	1.8	4.3	-30.2	13.1	-50.6
	Mae Hong Son	27.9	1.1	5.5	-13.7	8.2	-27.5
	Phayao	28.5	2.0	15.9	-18.9	17.1	-39.4
	Chiang Mai	29.1	1.8	13.2	-7.2	17.6	-23.7
	Tha Wang Pha	28.3	2.2	16.6	-22.3	26.1	-35.5
	Nan	28.9	1.8	13.4	-25.3	29.2	-32.6
	Lamphun	29.3	1.5	0.2	-17.1	11.2	-19.0
	Lampang	29.7	1.5	19.4	-8.4	30.4	-20.8
	Mae Sariang	27.6	1.4	0.0	-20.3	2.0	-29.4
	Phrae	29.4	1.5	22.3	-9.5	42.8	-14.1
	Uttaradit	30.0	1.2	45.9	16.5	63.8	13.7
	Bhumibol Dam	30.7	0.9	3.0	-27.9	21.4	-24.0
	Tak	31.4	1.1	9.3	-10.2	26.4	-8.8
	Mae Sot	29.2	1.7	1.0	-19.9	17.7	-17.5
	Umphang	26.0	1.4	43.3	-12.6	92.1	17.1
	Phitsanulok	30.1	1.0	87.0	58.1	92.4	39.9
	Lom Sak	29.6	1.4	30.6	-10.9	34.8	-29.8
	Phetchabun	30.1	1.2	92.1	41.4	92.1	15.2
Wichian Buri	30.7	1.1	57.1	10.1	62.1	-11.1	
Kamphaeng Phet	30.0	1.1	83.6	43.2	92.5	34.0	
Northeast	Nong Khai	28.9	1.0	98.8	55.0	140.5	67.8
	Loei	27.8	0.7	123.3	82.9	126.5	64.6
	Udon Thani	28.9	0.7	82.1	31.9	98.3	20.5
	Nakhon Phanom	28.4	1.0	90.6	29.4	92.2	5.3
	Sakon Nakhon	28.2	0.7	25.2	-31.1	28.6	-61.2
	Mukdahan	29.1	1.0	87.5	44.9	96.1	32.2
	Khon Kaen	29.4	0.8	39.9	1.9	39.9	-21.4
	Kosum Phisai	29.7	1.0	48.5	0.6	48.9	-20.2
	Roi Et	29.9	1.4	98.5	55.5	98.5	37.1
	Chaiyaphum	30.5	1.4	28.8	-22.6	29.0	-38.5
	Ubon Ratchathani	30.8	1.8	7.6	-21.0	9.9	-33.2
	Tha Tum	29.8	0.9	74.2	31.3	78.1	14.9
	Surin	30.7	1.8	9.5	-37.7	9.5	-54.2
	Nakhon Ratchasima	30.0	0.8	81.5	35.2	81.6	14.0
Chok Chai	30.0	1.2	59.6	22.9	60.2	2.0	
Nang Rong	29.3	0.6	151.6	106.4	156.4	88.6	
Central	Nakhon Sawan	31.5	1.2	101.5	65.3	131.8	77.5
	Bua Chum	30.9	1.3	64.2	22.5	64.2	2.6
	Lop Buri	30.8	1.1	75.1	38.2	75.1	19.8
	Suphan Buri	31.1	1.8	0.1	-28.1	2.4	-36.3
	Thong Pha Phum	30.4	1.4	34.3	-18.9	39.3	-32.6
	Kanchanaburi	31.5	1.6	4.8	-34.6	6.6	-58.7
	Bangkok Airport	31.1	1.3	17.8	-32.3	20.2	-57.2
	Bangkok Metropolis	30.7	1.0	30.7	-20.3	51.9	-44.1
East	Prachin Buri	31.0	1.3	106.6	56.1	107.4	35.5
	Kabin Buri	30.0	0.8	8.7	-45.9	51.9	-36.7
	Aranyaprathet	31.0	1.2	13.4	-45.1	13.4	-80.9
	Chon Buri	30.5	1.1	32.6	-23.0	33.2	-54.7
	Ko Sichang	29.8	1.0	48.4	1.8	54.5	-33.0
	Pattaya	29.5	1.2	14.2	-33.1	89.7	6.2
	Sattahip	29.7	1.0	113.1	55.1	133.3	21.2
	Rayong	29.9	0.9	41.4	-29.1	82.6	-49.4
	Chanthaburi	29.4	1.0	76.7	-7.1	139.3	-8.5
	Khlong Yai	29.2	1.1	177.6	37.6	273.4	0.8
South (East Coast)	Phetchaburi	29.6	0.8	28.4	-15.5	41.8	-23.2
	Hua Hin	29.6	1.1	80.1	29.6	98.5	9.2
	Prachuap Khiri Khan	29.7	1.5	11.1	-65.8	79.0	-64.7
	Chumphon	29.3	1.4	10.3	-100.0	170.8	-87.9
	Surat Thani	29.0	1.2	0.6	-83.4	4.8	-178.3
	Ko Samui	29.3	1.1	0.0	-115.8	197.2	-109.7
	Nakhon Si Thammarat	28.5	1.0	13.9	-124.9	203.3	-274.8
	Songkhla	29.4	1.3	16.8	-54.5	91.2	-162.2
	Hat Yai Airport	28.6	1.0	15.6	-61.8	79.4	-116.0
	Pattani Airport	28.7	1.2	42.9	-11.2	109.0	-75.5
	Narathiwat	28.6	1.2	14.0	-116.3	155.9	-232.5
South (West Coast)	Ranong	29.6	1.1	10.4	-67.2	36.6	-101.9
	Takua Pa	29.0	1.2	53.4	-91.7	111.6	-140.7
	Phuket	31.3	1.9	33.9	-46.8	53.6	-101.0
	Phuket Airport	30.0	1.5	14.1	-103.1	27.7	-187.7
	Ko Lanta	29.6	0.8	10.7	-58.3	16.2	-107.9
	Trang Airport	29.7	1.4	11.3	-90.3	27.3	-157.2
	Satun	30.1	1.5	93.1	-40.8	93.5	-124.6
	Over the area	29.6	1.2	43.0	-13.3	68.8	-37.7
					-24%		-35%

- NOTES :
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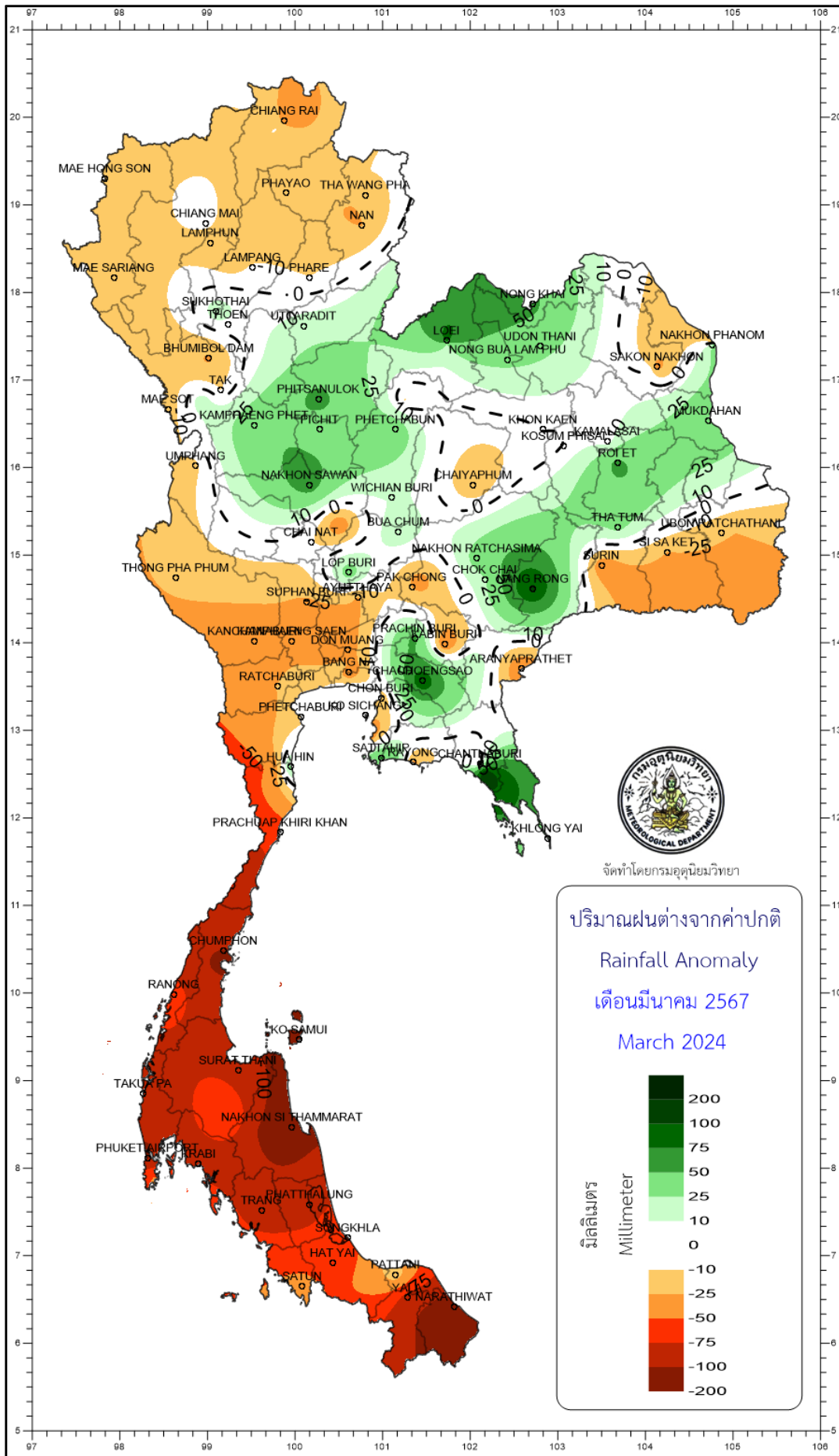


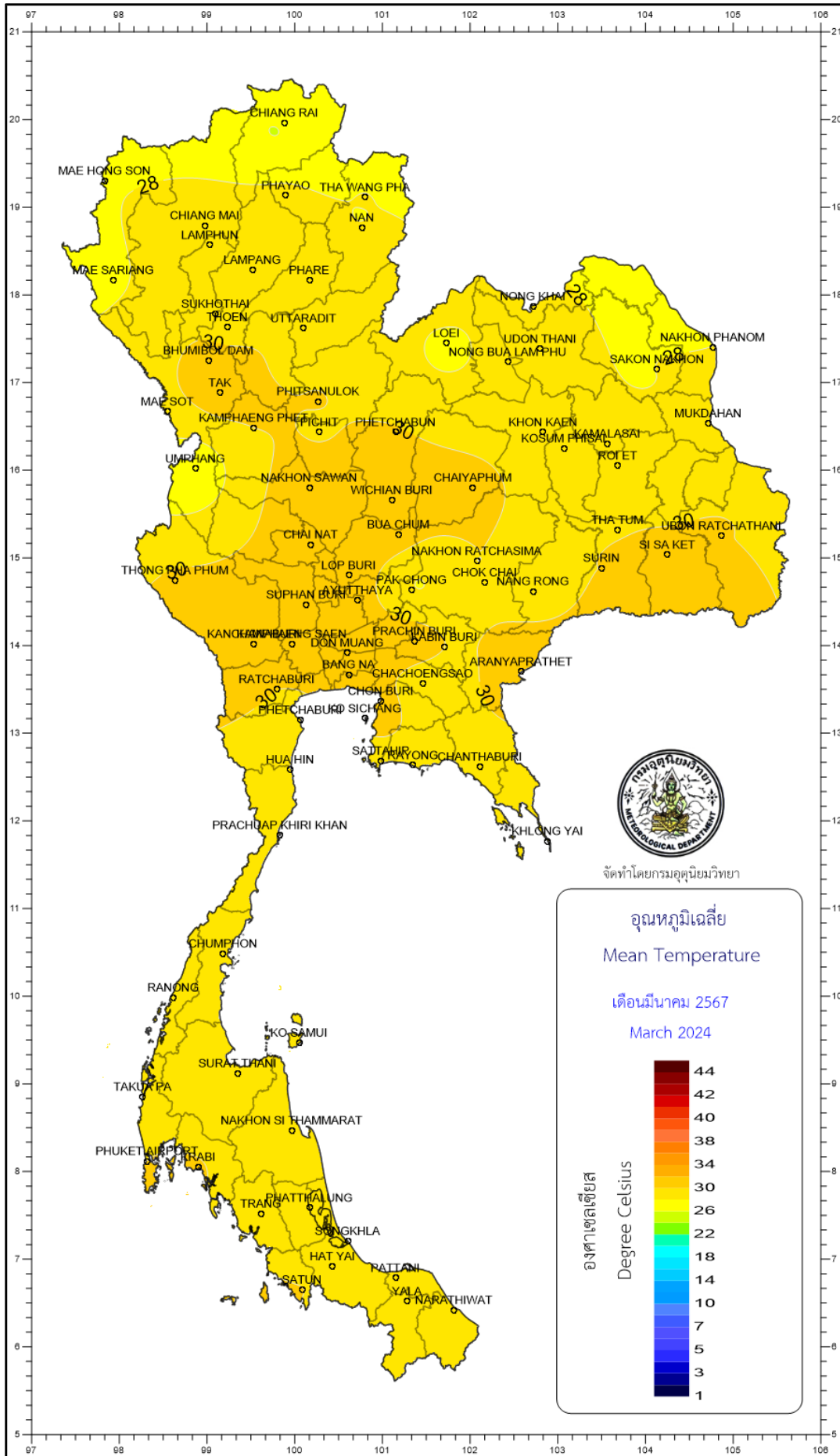
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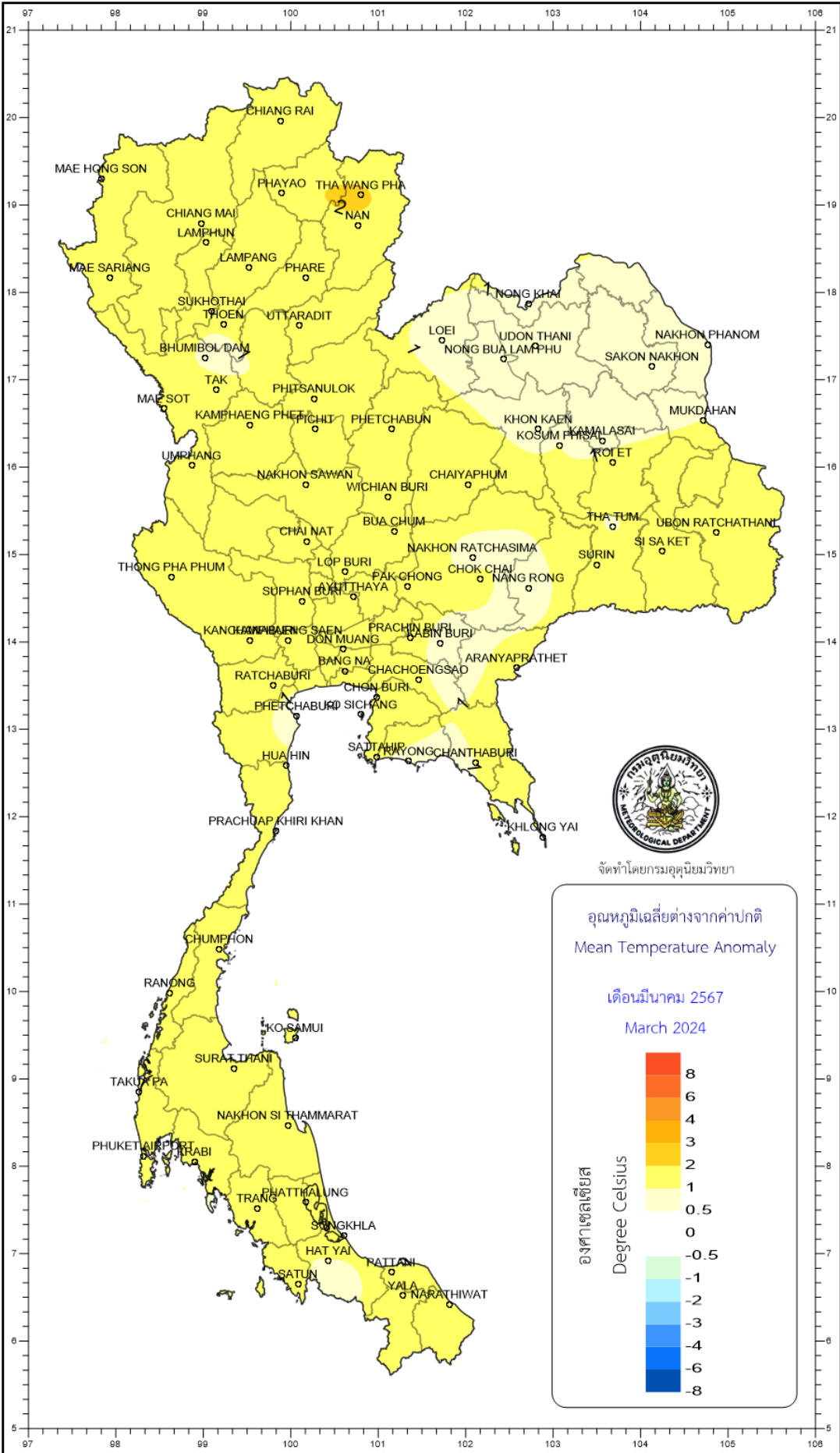
ปริมาณฝนรวม
 Rainfall Totals
 เดือนมีนาคม 2567
 March 2024

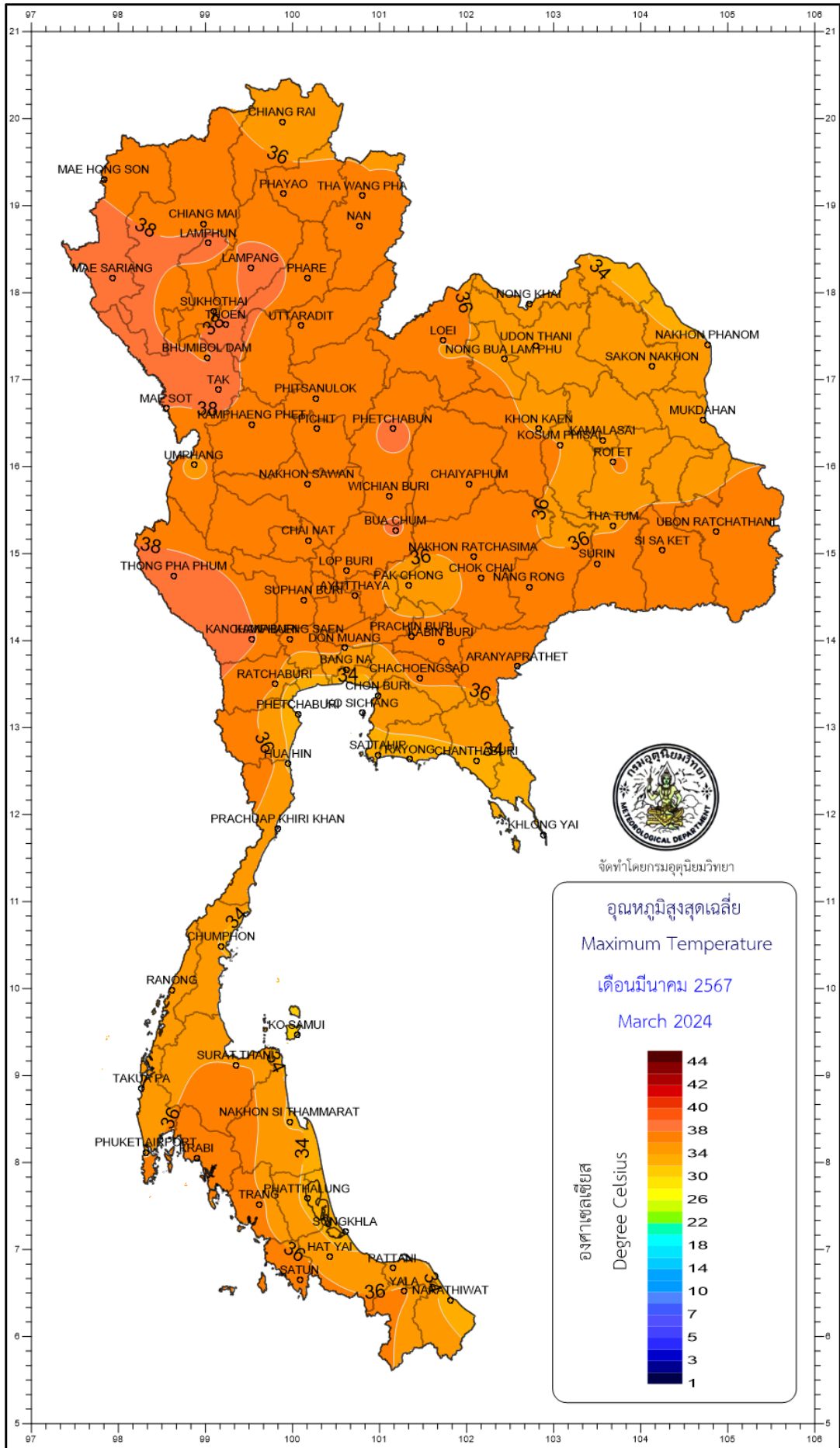
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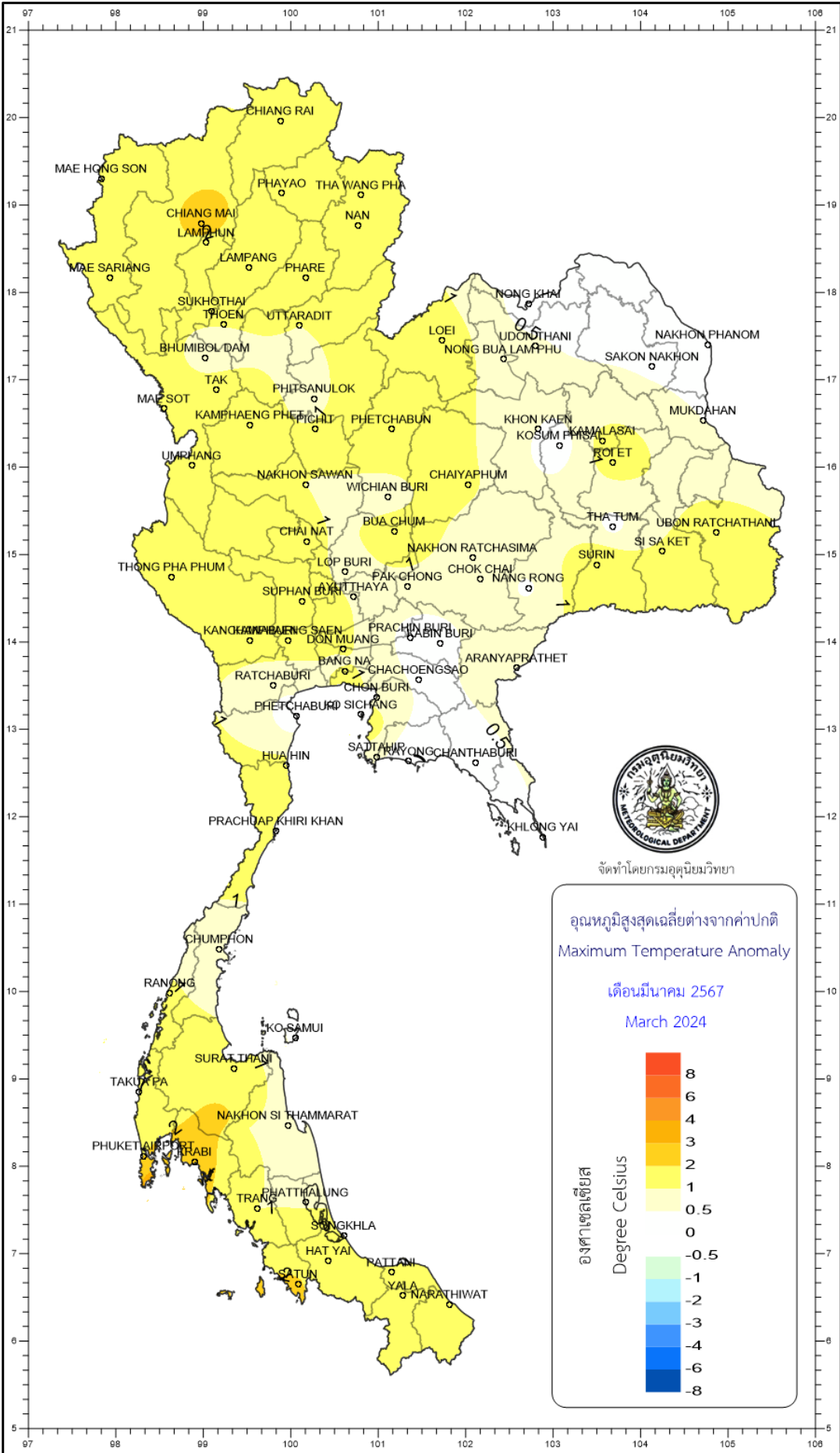
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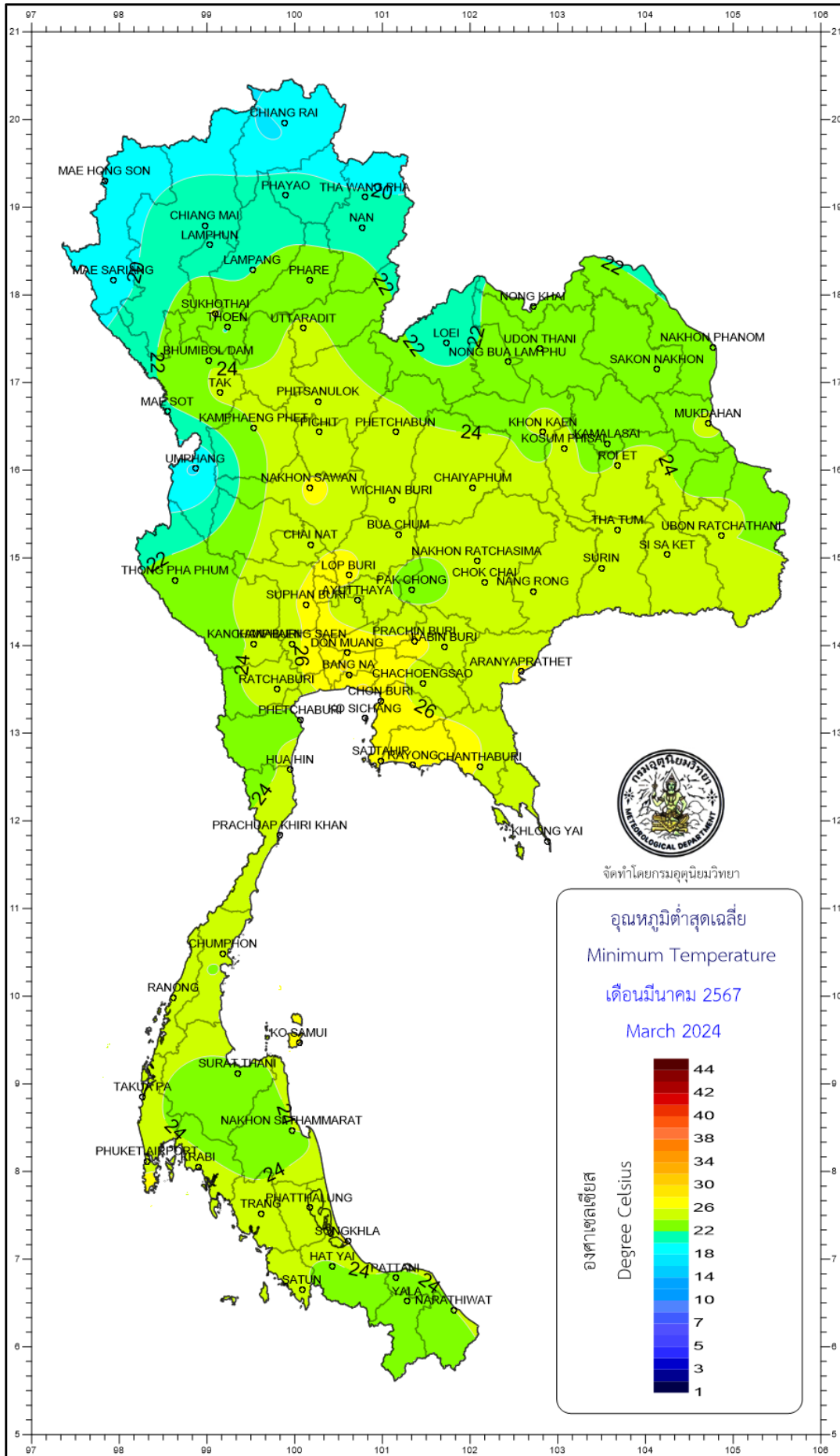












จัดทำโดยกรมอุตุนิยมวิทยา

