

## Monthly Weather Summary in Thailand May 2017

In May 2017, hot weather still persisted in Thailand especially upper Thailand that experienced very hot weather in some areas during early month. After that, temperature was relatively decreased in majority areas with increasing in rainfall from the influence of the southwest monsoon which started blowing over the Andaman Sea and Thailand from the middle of the month onwards and strengthened during late month, inducing consecutive days of rain that considered as the beginning of rainy season of this year on May 16. Moreover, the low pressure cell in the coastal of Myanmar moved to cover western side of Thailand and moved further to lower northern and upper northeastern of Thailand and Laos during May 16-18 with the covering of low pressure cell over upper Vietnam and the Gulf of Tonkin for few days. These caused intermittent abundant rainfall and heavy to very heavy rainfall in several areas with flash flooding in many places. Monthly rainfall was above normal in all parts i.e. northern part 73.2 mm (41%), northeastern part 94.2 mm (50%), central part 142.8 mm (83%), eastern part 147.1 mm (66%), southern part (east coast) 34.6 mm (24%) and southern part (west coast) 137.3 mm (44%). The total rainfall over Thailand in this month was 96.2 mm (50%) above normal. Mean temperatures of May were slightly above normal in most areas.

**1 – 10 May :** During this period, hot weather still persisted in upper Thailand especially in the northern, northeastern and central part that experienced generally hot weather with very hot weather in some areas during early period. The highest maximum temperature was 42.2 °C at Amphoe Mueang in Tak province in May 3. For rainfall, due to the moderate high pressure from China extending its ridge to covered upper Thailand during mid-period in addition with the prevailing of the southerly and southeasterly winds over the upper Thailand during early and late period, causing isolated rain during early period after that rainfall increased with scattered to fairly widespread rain. The highest daily rainfall was 128.5 mm at Bamnet Narong in Chaiyaphum province on May 4. Gusty wind occurred at Chiang Mai and Phayao provinces on May 1 and at Phetchabun, Phrae, Uttaradit, Mukdahan, Loei, Kalasin and Nong Khai provinces on May 3 and at Lamphun, Lampang, Sukhothai, Ubon Ratchathani and Udon Thani provinces on May 4 and at Mae Hong Son, Ang Thong, Saraburi, Sing Buri and Chanthaburi provinces on May 5 and at Phitsanulok, Nong Bua Lam Phu and Mahasarakham provinces on May 6 and at Rayong province on May 8 and at Phayao, Phetchabun, Nakhon Ratchasima and Kalasin provinces on May 9 and at Kamphaeng Phet and Nong Khai provinces on May 10. Thundershower with hailed occurred at Nakhon Phanom province on May 3. In southern part, the effect of low pressure cell covering Malaysia and the Strait of Malacca coupled with the prevailing of the active easterly wind over southern part and the Gulf of Thailand during the second half of the period brought plentiful of rain to southern Thailand at that time. The heaviest daily rainfall was 130.0 mm at Saba Yoi in Songkhla province on May 7.

**11 – 20 May :** The southerly and southeasterly winds prevailed over upper Thailand during early period after that the southwest monsoon blowing over the Andaman

Sea and Thailand from the middle of the period in addition with the active low pressure cell in the Bay of Bengal moved to cover the coastal area of Myanmar and western side of Thailand during mid-period before covering lower northern and upper northeastern of Thailand and Laos during late period. These conditions caused increasing in rainfall in upper Thailand with fairly widespread to widespread rain almost the whole period especially during May 16-18 that experienced heavy to very heavy rainfall in several areas of the northern and northeastern parts. The highest daily rainfall of 248.9 mm was recorded at Muaeng in Kamphaeng Phet province on May 17. Thundershower with gusty wind occurred at Lampang and Phayao provinces on May 13 and at Singburi, Nakhon Sawan and Chainat provinces on May 17 with flash flooding at Sukhothai province on May 16 and flooding at Phitsanulok province on May 16 and at Chiang Mai, Uttaradit, Lamphun, Kamphaeng Phet, Loei and Udon Thani provinces on May 17 and at Phetchabun province on May 18. In southern part, scattered to fairly widespread rain was reported nearly the whole period with heavy to very heavy rainfall in some areas along the east coast while fairly widespread rain was found along the west coast with isolated heavy rainfall. The highest daily rainfall amount was 125.3 mm at Su-ngai Padi in Narathiwat province on May 18.

**21 – 31 May :** Due to the southwest monsoon prevailing across the Andaman Sea and Thailand and strengthened during the second half of the period and the low pressure cell covering upper Vietnam and the Gulf of Tonkin during May 23-25. Besides, the active low pressure cell in the middle Bay of Bengal respectively intensified into tropical depression and tropical cyclone “MORA” (02B) in the upper Bay of Bengal before making landfall at Bangladesh during late period then downgraded while moved further inland and finally dissipated at India on the last day of the period. These caused plentiful of rain in upper Thailand during the middle and the end of the period especially in the northeastern, central and eastern parts that received heavy rainfall in many areas and very heavy rainfall in some areas during mid-period. The maximum daily rainfall recorded in this period was 195.0 mm at Kaeng Khro in Chaiyaphum province on May 25. Thundershower reported at Nakhon Ratchasima province on May 23 with flash flooding at Lampang province on May 24 and at Loei province on May 26. Floods occurred at Nakhon Phanom and Bangkok Metropolis provinces on May 25, at Nakhon Ratchasima, Si Sa Ket, Chainat, Ang Thong and Suphanburi provinces on May 30. Southern Thailand obtained abundant rain especially along the west coast that received widespread rain nearly the whole period with isolated heavy to very heavy rainfall in some areas. The highest daily rainfall was 221.0 mm at Takua Pa in Phang-nga province on May 21.

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**Note :** Rainfall, temperatures and natural disasters available in this report are preliminary data.

Climatological Center  
Meteorological Development Bureau  
Meteorological Department

Breaking records of highest daily rainfall in May

Station	New Record 2017		Previous Record		Start since
	Rainfall (mm.)	Date	Rainfall (mm.)	Date / Year	
Phayao	145.6	16	114.8	15/1988	1981
Chiang Mai	124.8	18	113.8	5/2004	1952
Sri Samrong (Sukhothai)	176.7	17	136.3	27/1994	1969
Sukhothai	180.7	17	90.4	18/2014	1970
Lom Sak (Phetchabun)	132.3	17	102.6	29/2016	1970
Phetchabun	170.4	17	142.0	26/1989	1951
Kamphaeng Phet	248.9	17	171.8	9/1986	1981
Phichit Agromet. Stn.	133.6	17	101.5	10/1994	1993
Loei	164.1	17	163.8	15/1988	1955
Nakhon Phanom	165.4	24	152.9	25/1993	1953
Tak Fa (Nakhon Sawan)	116.7	6	102.7	25/2011	1969
Kabin Buri (Prachinburi)	125.4	26	82.2	18/1996	1970
Phlew (Chanthaburi)	204.8	17	178.7	27/2009	1969
Takua Pa (Phang-nga)	221.0	30	195.0	25/2013	1981

Breaking records of highest monthly rainfall in May

Station	New Record	Previous Record		Start since
	Rainfall (mm.)	Rainfall (mm.)	Year	
Lamphun	356.9	296.7	2011	1981
Sukhothai	359.8	322.7	2007	2000
Kamphaeng Phet	595.9	551.7	1986	1981
Tha Phra (Khon Kean)	391.0	371.3	1975	1970
Buriram	373.5	286.9	2011	2013
Nakhon Sawan	383.2	345.0	1999	1951
Pathum Thani	441.4	437.3	1999	1998
Bang Na (Bangkok Metropolis)	474.6	452.3	1986	1969
Kabin Buri (Prachinburi)	382.0	339.1	1984	1970
Chachoeng Sao	413.4	262.6	2011	1989
Phlew (Chanthaburi)	775.5	752.2	2012	1969
Takua Pa (Phang-nga)	901.9	875.8	2016	1981

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Rainfall and Accumulative Rainfall  
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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	27.6	0.5	254.0	40.6	501.6	140.8
Mae Hong Son	29.8	0.9	111.6	-62.9	166.1	-100.8
Phayao	27.8	0.0	250.1	70.4	411.3	97.3
Chiang Mai	28.9	0.7	411.4	249.4	491.9	241.7
Tha Wang Pha	28.5	0.4	141.4	-41.6	307.7	-27.3
Nan	29.0	0.4	131.0	-46.3	295.3	-30.6
Lamphun	28.5	-0.2	362.9	208.1	482.6	262.5
Lampang	28.9	0.1	284.7	124.3	561.9	301.2
Mae Sariang	29.4	1.0	161.3	-1.0	204.3	-24.9
Phrae	29.1	0.1	233.1	55.0	408.7	106.3
Uttaradit	29.8	0.0	275.3	45.3	487.1	142.7
Bhumibol Dam	29.0	-0.2	300.8	103.2	458.8	164.5
Tak	29.8	0.2	277.6	102.7	370.9	115.5
Mae Sot	29.2	1.3	115.1	-59.1	163.0	-81.4
Umphang	26.5	0.9	157.1	-37.9	358.1	-2.0
Phitsanulok	29.8	-0.1	196.0	25.1	401.9	131.2
Lom Sak	28.7	0.1	240.8	90.0	328.7	49.0
Phetchabun	29.1	0.3	352.2	189.4	490.8	182.4
Wichian Buri	29.6	0.2	168.0	9.9	286.1	-32.8
Kamphaeng Phet	29.4	0.2	595.9	400.4	768.6	468.2
Over the area	28.9	0.3	251.0	73.2 41%	397.3	105.1 36%

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	0.3	287.9	63.0	443.2	69.5
Loei	27.7	0.0	370.6	171.3	551.2	187.6
Udon Thani	29.0	0.1	249.3	50.8	440.9	90.3
Nakhon Phanom	28.7	0.3	377.4	120.3	654.7	202.4
Sakon Nakhon	28.2	-0.2	301.1	73.5	599.6	187.2
Mukdahan	28.9	0.1	292.2	92.7	423.8	88.0
Khon Kaen	28.7	-0.2	188.0	19.3	275.2	-50.6
Kosum Phisai	29.2	-0.1	324.9	163.4	505.0	184.2
Roi Et	28.9	-0.1	266.3	80.2	408.7	82.7
Chaiyaphum	29.1	0.2	246.2	106.0	370.4	67.5
Ubon Ratchathani	29.0	0.0	362.2	153.6	516.6	173.3
Tha Tum	29.1	-0.4	202.0	29.7	344.7	20.3
Surin	28.8	0.0	341.9	162.1	462.1	126.3
Nakhon Ratchasima	28.8	-0.3	237.1	83.0	552.6	264.9
Chok Chai	28.8	0.0	234.4	85.4	404.8	118.2
Nang Rong	28.5	-0.3	218.5	51.9	394.0	73.6
Over the area	28.8	0.0	281.3	94.2 50%	459.2	117.8 35%

- 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  
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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	29.8	-0.2	383.2	232.5	488.3	224.6
Bua Chum	29.4	0.1	211.2	75.0	284.6	5.4
Lop Buri	29.8	0.2	289.7	142.6	393.0	119.7
Suphan Buri	30.3	0.5	254.1	139.8	384.7	191.8
Thong Pha Phum	29.0	0.9	148.4	-79.1	356.2	-41.3
Kanchanaburi	30.4	0.7	310.8	165.5	406.3	132.0
Bangkok Airport	29.5	-0.3	439.9	232.3	610.7	253.8
Bangkok Metropolis	29.7	-0.2	481.8	234.1	646.6	232.1
Over the area	29.7	0.2	314.9	142.8 83%	446.3	139.7 46%

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	29.9	0.6	285.0	54.0	381.8	-40.6
Kabin Buri	28.9	0.0	382.0	189.7	515.9	139.4
Aranyaprathet	29.3	0.1	341.3	173.0	676.1	336.7
Chon Buri	29.8	0.0	330.0	154.7	502.1	181.0
Ko Sichang	29.3	-0.3	180.3	45.9	371.2	83.3
Pattaya	29.0	-0.2	135.6	-12.7	387.4	91.9
Sattahip	28.9	-0.7	421.9	250.0	686.6	332.0
Rayong	29.4	-0.3	409.1	210.5	744.5	336.8
Chanthaburi	28.6	0.3	730.8	338.3	1050.7	406.0
Khlong Yai	28.1	-0.1	493.6	66.9	969.0	118.4
Over the area	29.1	-0.1	371.0	147.1 66%	628.5	198.4 46%

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Monthly Current Report  
Rainfall and Accumulative Rainfall  
May 2017

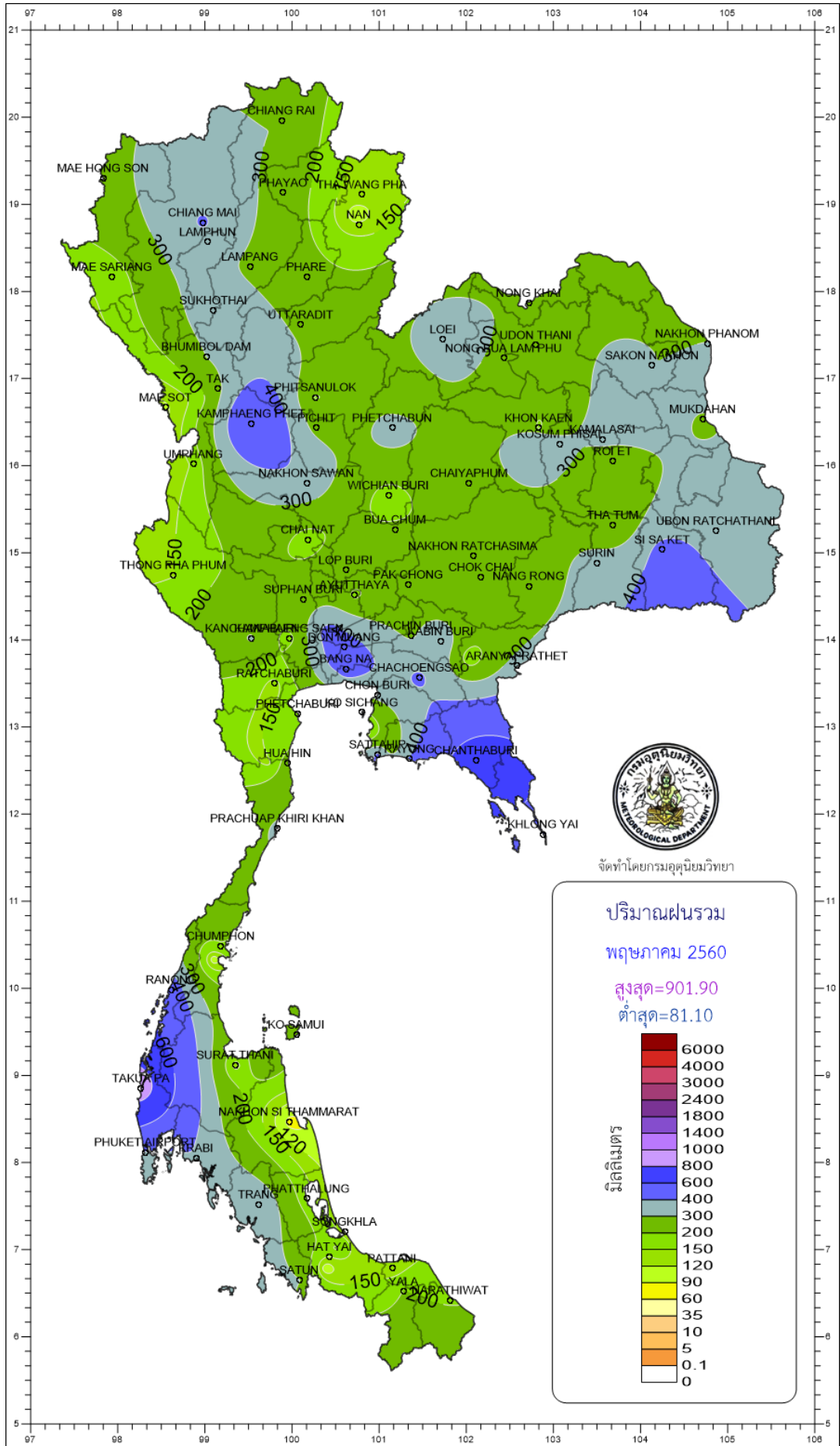
Southern Thailand, east coast

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	29.5	0.1	179.6	80.1	493.0	308.2
Hua Hin	29.1	-0.2	234.0	125.1	547.3	311.0
Prachuap Khiri Khan	28.7	-0.2	315.7	188.8	881.7	581.3
Chumphon	28.3	0.3	194.7	3.9	1134.1	656.2
Surat Thani	28.1	0.4	131.5	-46.5	565.9	241.4
Ko Samui	28.9	0.0	223.0	67.1	1307.6	847.2
Nakhon Si Thammarat	28.6	0.4	81.1	-92.7	2214.3	1630.2
Songkhla	29.1	0.3	130.2	10.6	1098.5	720.7
Hat Yai Airport	28.0	0.2	148.4	0.7	1025.4	605.8
Pattani Airport	28.4	0.2	126.8	-10.7	1075.5	731.1
Narathiwat	28.2	0.0	196.5	54.4	1900.2	1412.6
Over the area	28.6	0.1	178.3	34.6 24%	1113.0	731.3 192%

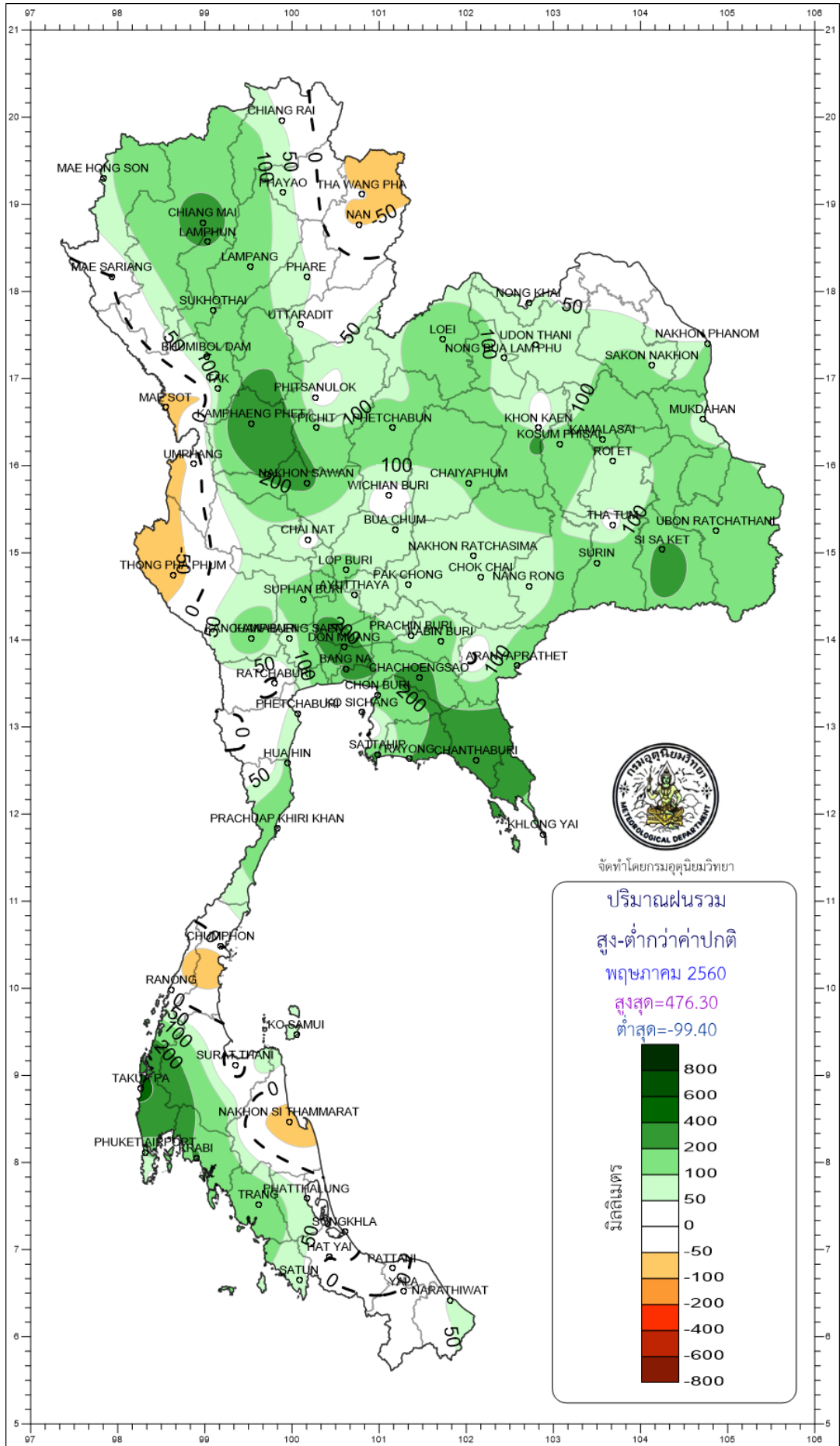
Southern Thailand, west coast

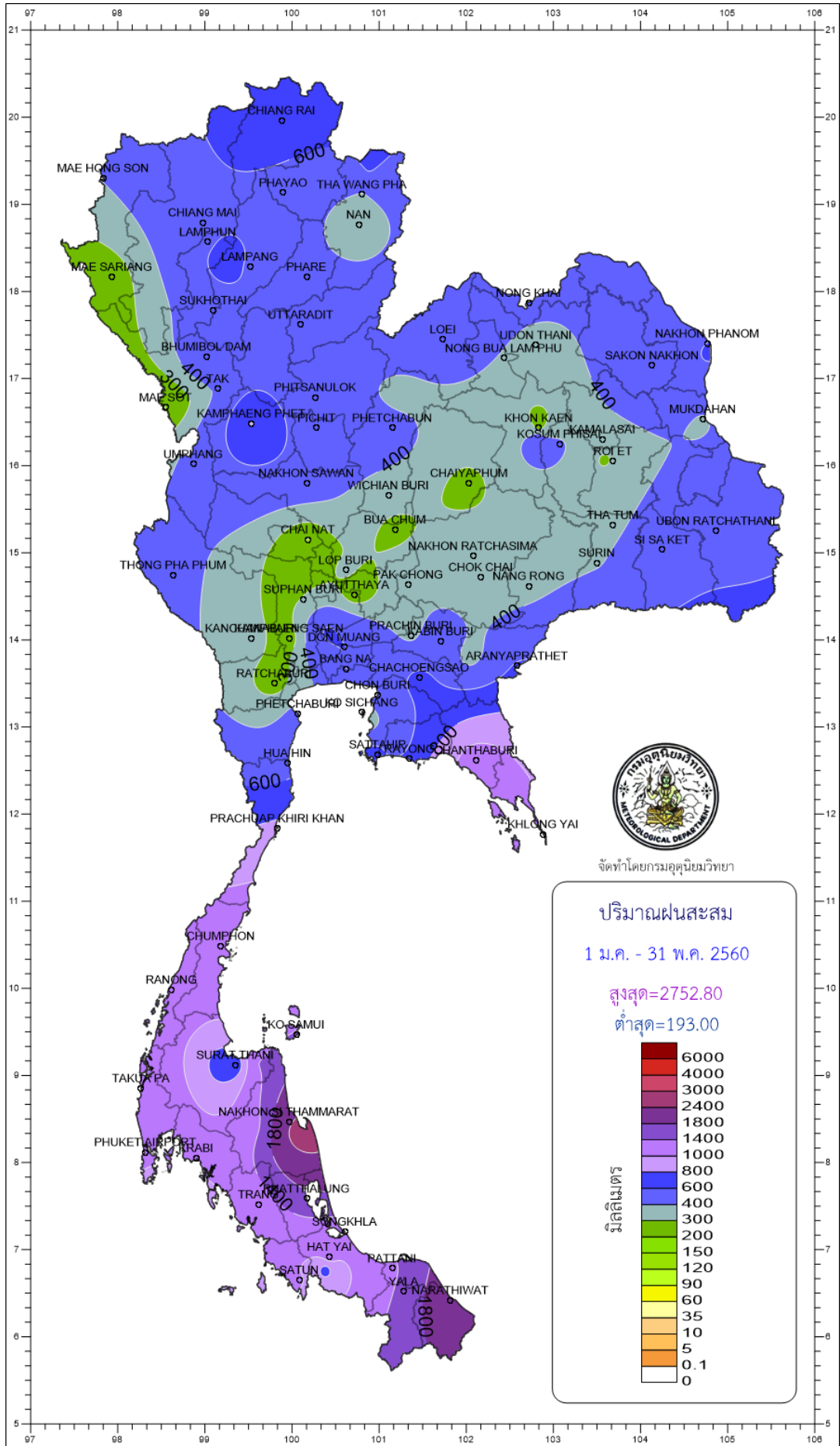
Station	Temperature ( °c)		Rainfall (mm)		Accumulative rainfall (mm) Since 1 January	
	Mean	Above or below normal	Actual	Above or below normal	Actual	Above or below normal
Ranong	27.8	0.1	473.6	-23.0	1151.5	411.1
Takua Pa	27.5	-0.4	901.9	464.4	1544.6	702.0
Phuket	28.7	-0.1	301.4	41.9	839.4	309.3
Phuket Airport	28.3	-0.1	394.6	113.1	971.8	372.6
Ko Lanta	28.9	0.2	366.5	121.7	900.8	441.6
Trang Airport	27.8	0.1	391.4	173.9	1126.6	632.7
Satun	28.3	0.2	302.3	69.0	953.9	325.6
Over the area	28.2	0.0	447.4	137.3 44%	1069.8	456.4 74%

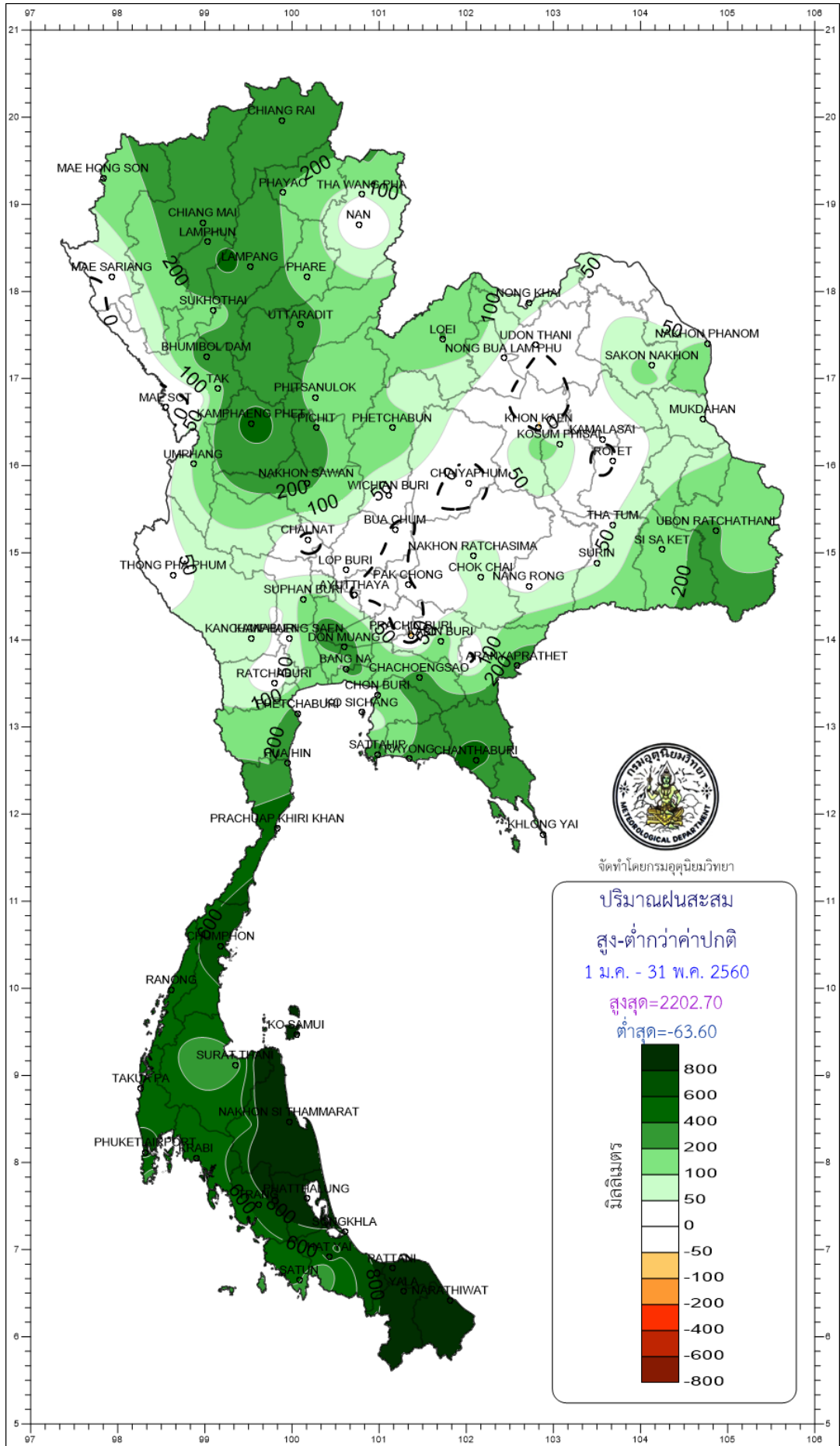
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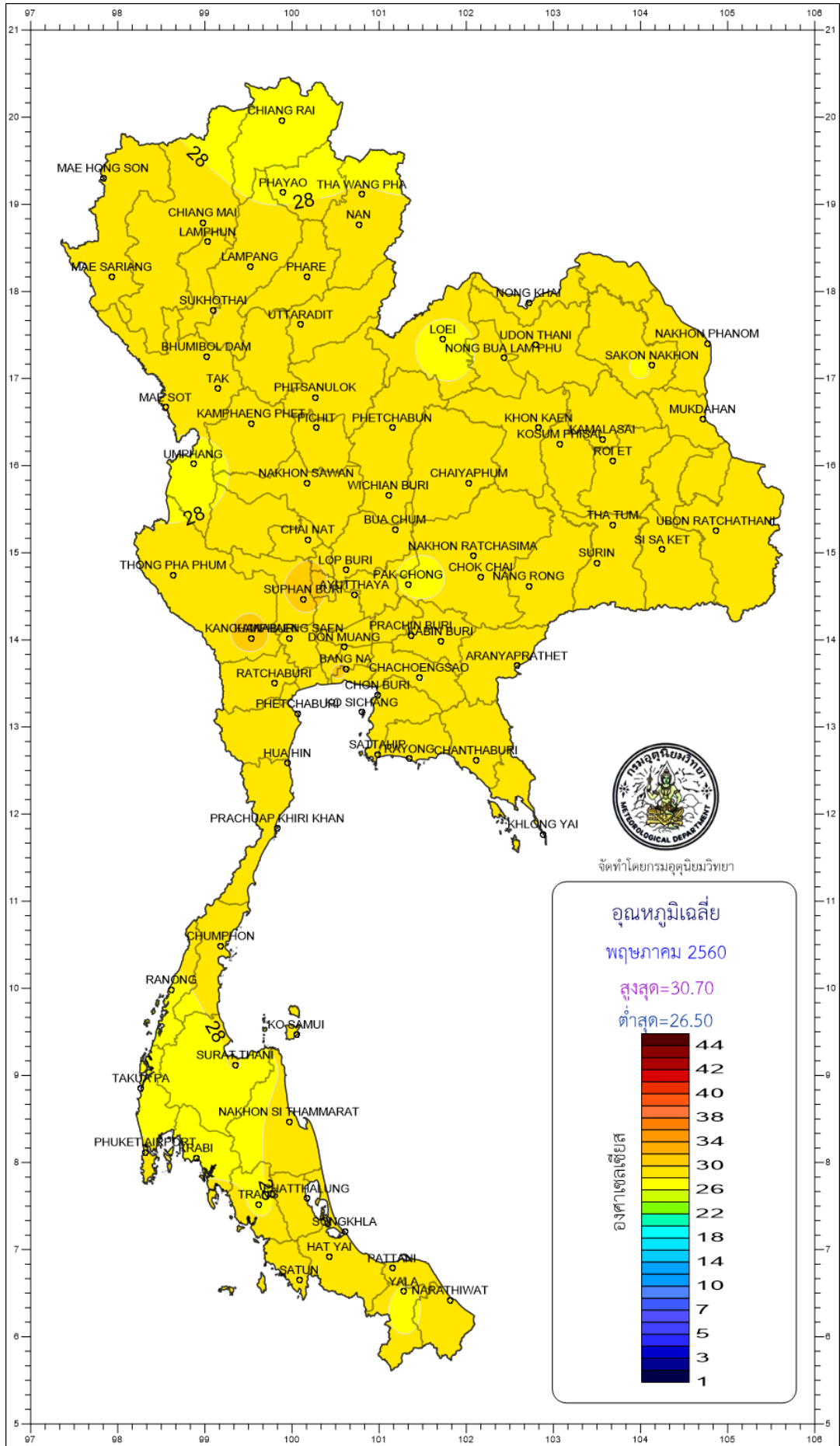


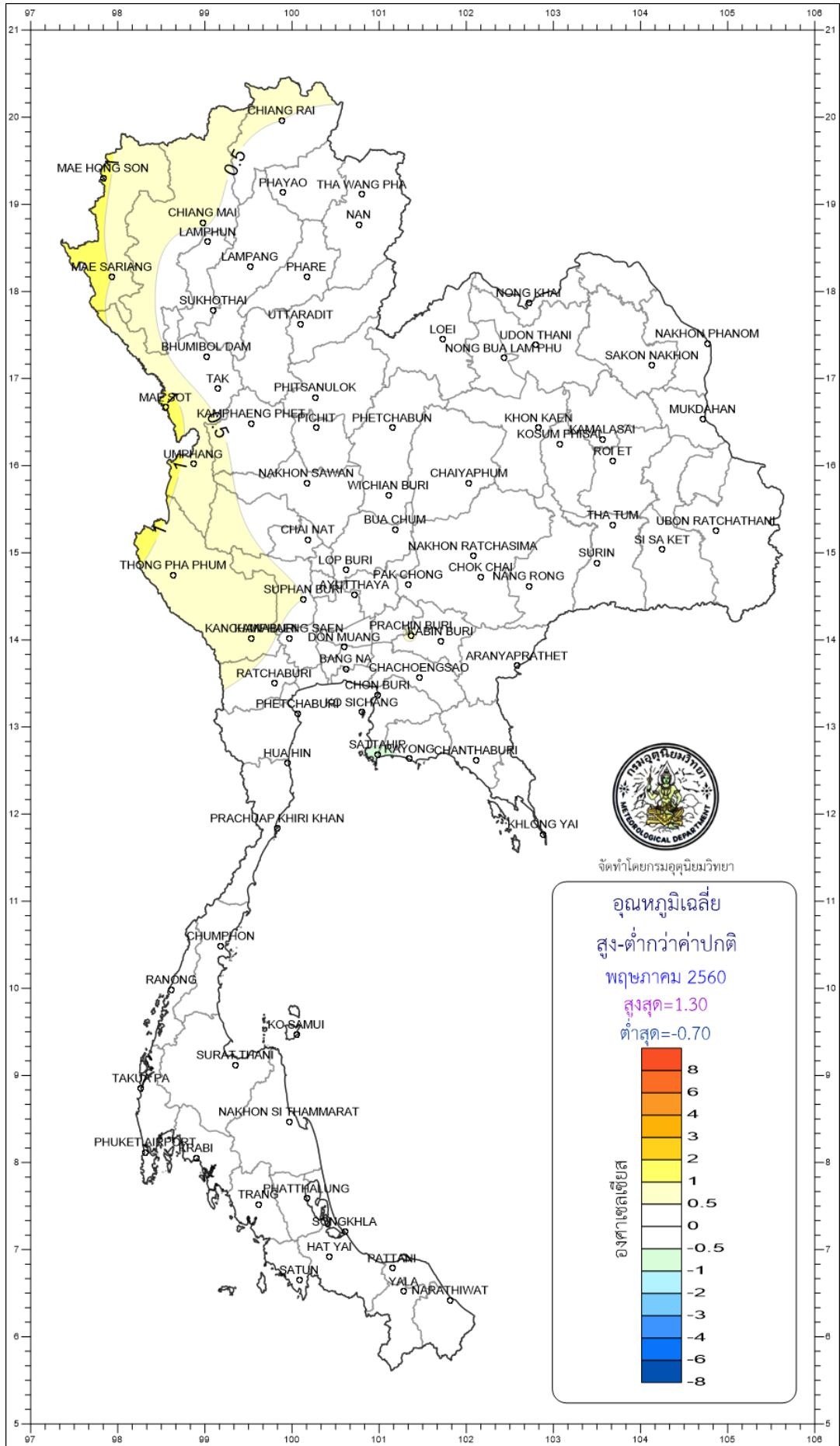


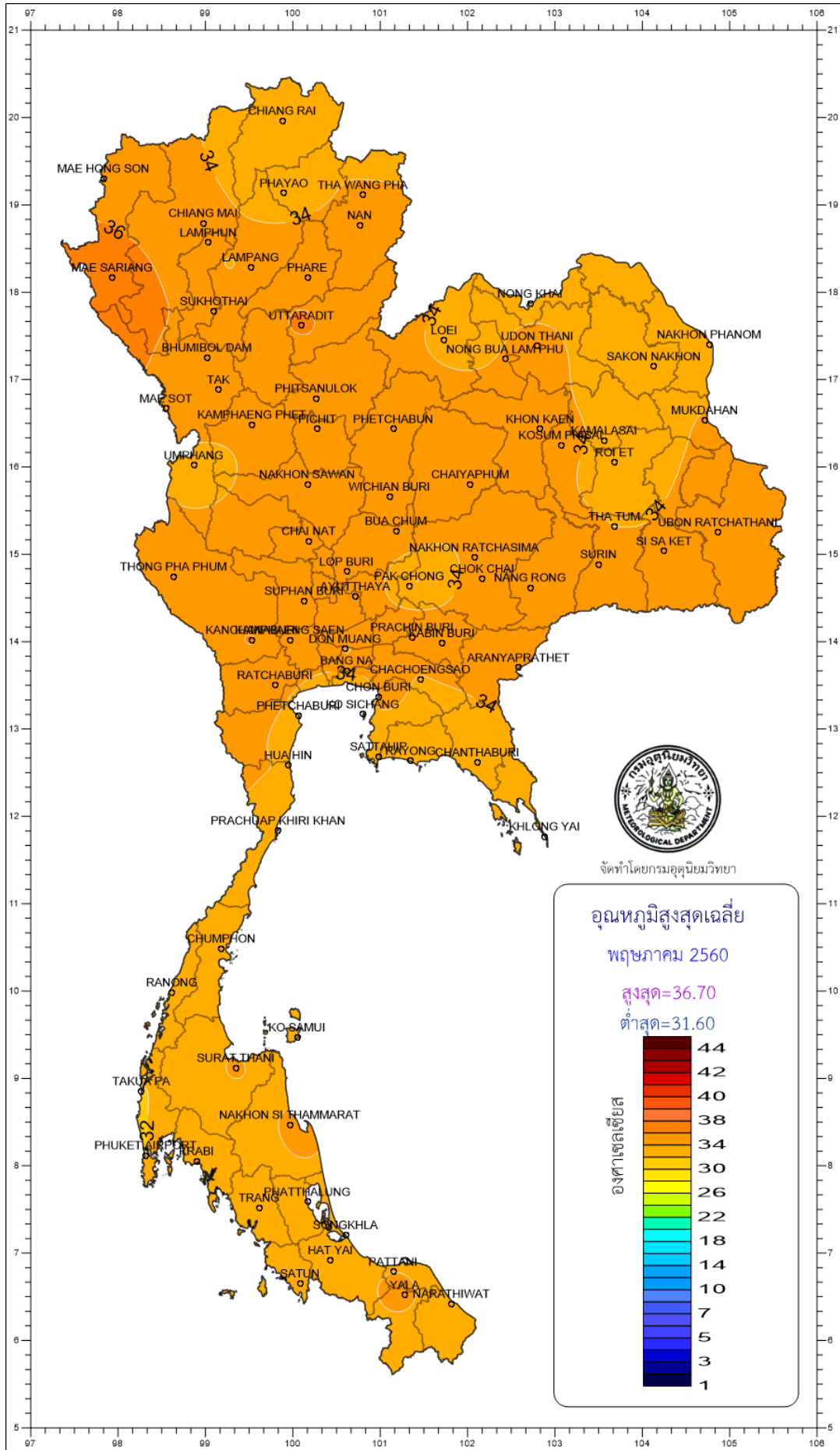




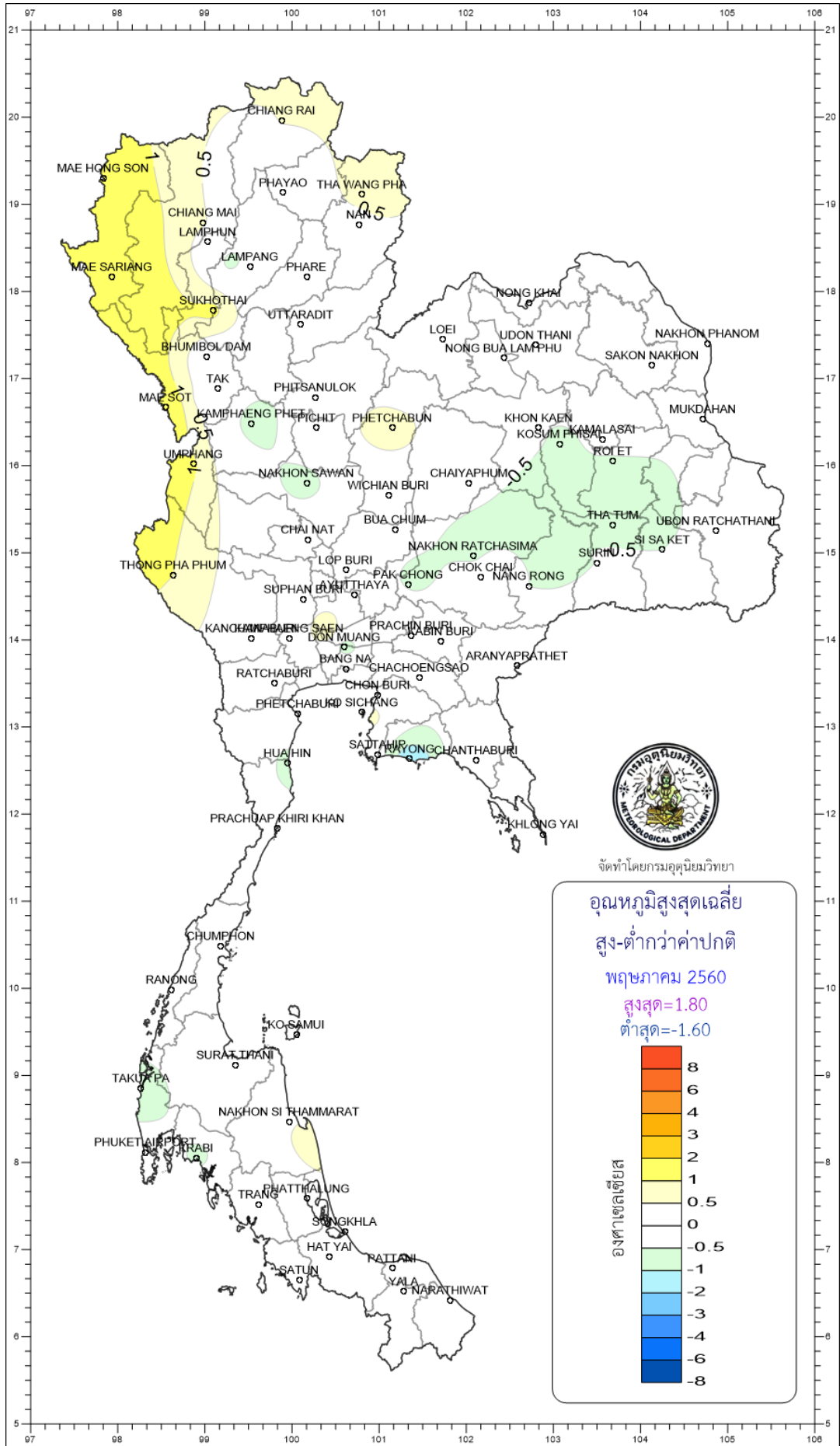








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