Thailand climate for November – December - January from 30-year normal (A.D. 1991 - 2020 or B.E. 2534 - 2563 baseline average)
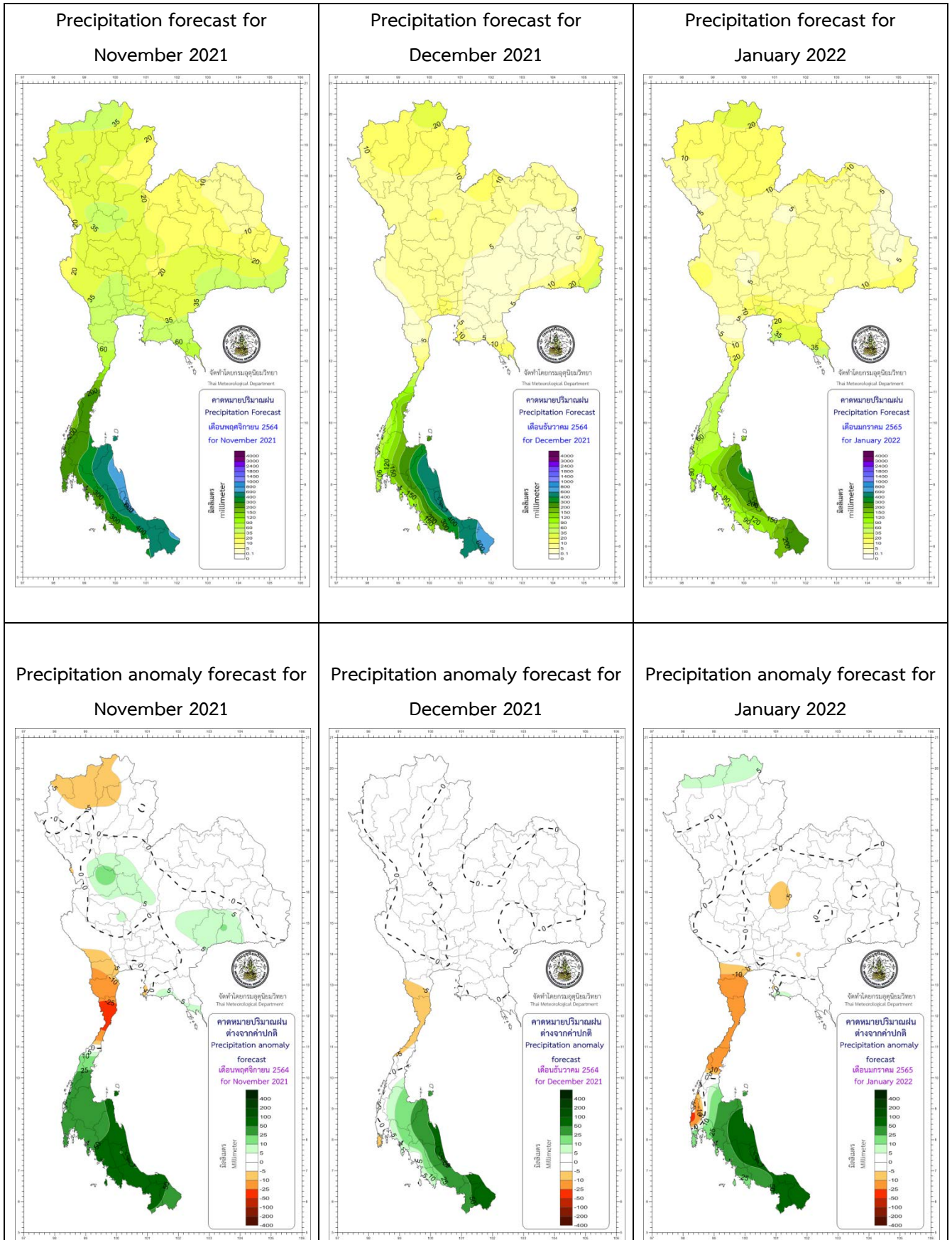
November: The Upper Thailand will meet much reducing rain with cool weather for this whole month. The reason is that the influential high-pressure air mass areas from China will actively prevail over the Upper Thailand periodically. Thus, temperature will reduce, so cold weather happens at some areas, specifically at the northern & northeastern parts.

However, the Southern Thailand will still meet abundant rainfall, especially around the east coast. The reason is that the influential Northeastern Monsoon and the low-pressure trough place over the Southern Thailand and the Gulf of Thailand.
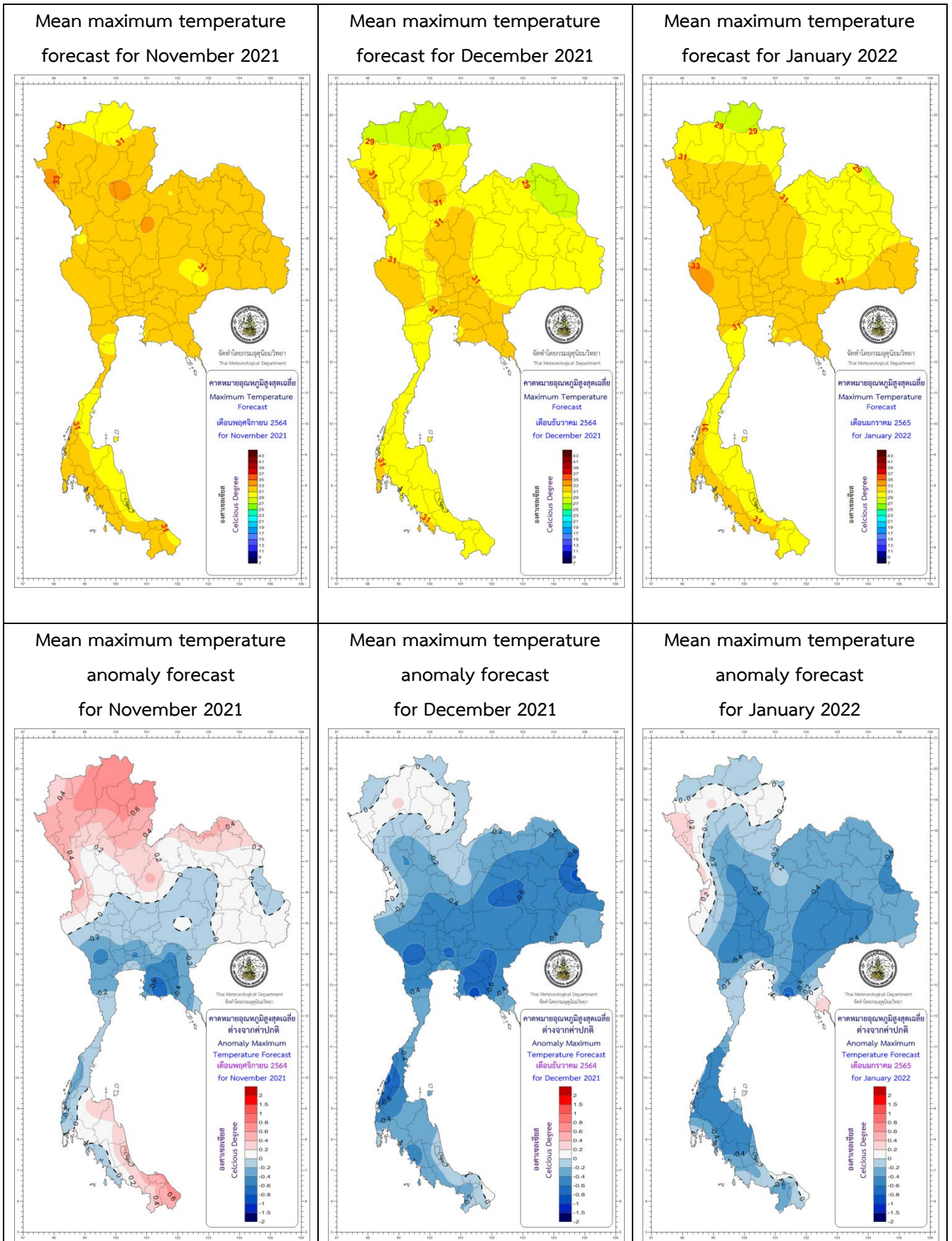
December: Usually, the actively cold or high-pressure air mass areas from China will prevail over the whole of Thailand periodically. As a result, the temperature of the Upper Thailand will reduce to happen as commonly chilly weather, specifically at the upper portion of the northern and northeastern parts together with feasibly very cold weather at mountainous areas and mount tops

For the Southern Thailand, abundant rainfall will mostly appear during the 1st half of this month, especially along the east coast. The reason is that the influential Northeast Monsoon prevails over the Southern Thailand and the Gulf of Thailand. Nevertheless, some tropical cyclones may feasibly move near or toward the Southern Thailand, specifically around the lower portion during this month.

January: Cold weather appears because the influential high-pressure air mass prevailing over Thailand for the whole month. In fact, most of Thailand will meet the lowest reducing temperature in this month appearing as commonly chilly weather, specifically at the northern and northeastern parts along with mount tops. Additionally, morning fog occurs while the central and eastern parts will meet cool weather. Furthermore, the Southern Thailand will not meet much chilly weather except at the upper portion because of surrounding seas at both sides.

Precipitation (mm/month) and Anomaly (mm/month) Forecast:

Precipitation forecast for November 2021	Precipitation forecast for December 2021	Precipitation forecast for January 2022

Precipitation anomaly forecast for November 2021	Precipitation anomaly forecast for December 2021	Precipitation anomaly forecast for January 2022

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Mean Maximum Temperature (°C) and Anomaly (°C) Forecast:

Mean maximum temperature forecast for November 2021	Mean maximum temperature forecast for December 2021	Mean maximum temperature forecast for January 2022
Mean maximum temperature anomaly forecast for November 2021	Mean maximum temperature anomaly forecast for December 2021	Mean maximum temperature anomaly forecast for January 2022

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Mean Minimum Temperature (°C) and Anomaly (°C) Forecast:

Mean minimum temperature forecast for November 2021	Mean minimum temperature forecast for December 2021	Mean minimum temperature forecast for January 2022
Mean minimum temperature anomaly forecast for November 2021	Mean minimum temperature anomaly forecast for December 2021	Mean minimum temperature anomaly forecast for January 2022

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*** Caution: ***

During November 2021:   Some tropical cyclones favor a high chance to move near Thailand or pass the Southern Thailand. They will pass the tip of the Indochina Peninsula toward the Gulf of Thailand influencing the Southern Thailand (East Coast) to meet increasing rainfall. As a result, flash or forest flood may happen at some areas.

December 2021 & January 2022:   Some westerly wind waves from Myanmar may pass the Upper Thailand causing the area to meet thunder rain, gusty wind at some areas and possibly falling hail. The public then should follow weather forecast news from the Thai Meteorological Department closely.

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Below right Image source:

https://www.researchgate.net/figure/Study-area-the-Indochina-Peninsula-in-Monsoon-Southeast-Asia_fig5_296329477

The below Image illustrates 7 parts of Thailand with seasons and Monsoons or wind:
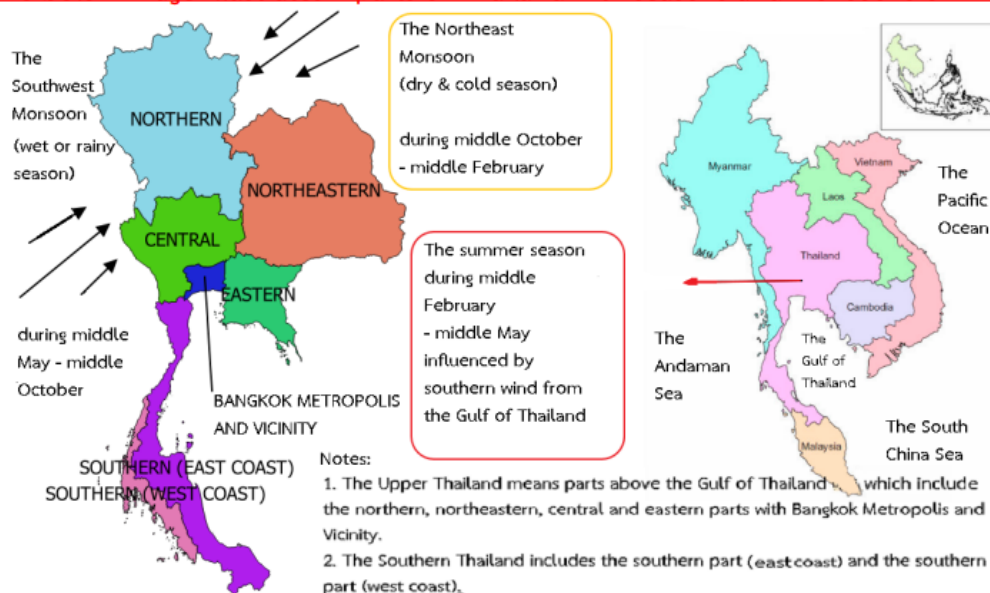
Table 1: Prediction of Rain (mm = millimeters), Rainy Days (days) and comparing with normal

Part	Prediction									Normal (Baseline period: 1991-2020)*					
	November 2021			December 2021			January 2022			November		December		January	
	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Comparing with normal	Rain (mm)	Rainy Days	Rain (mm)	Rainy Days	Rain (mm)	Rainy Days
Northern	20-40	3-5	Near normal	Less than 10	0-2	Near normal	Less than 10	0-2	Near normal	26.9	4.1	10.6	1.2	10.6	1.0
Northeastern	10-30	1-3	Near normal	Less than 10	0-2	Near normal	Less than 10	0-2	Near normal	18.0	2.9	4.9	0.8	6.5	1.1
Central	20-40	4-6	Near normal	Less than 10	0-2	Near normal	Less than 10	0-2	Near normal	28.7	4.1	6.6	1.0	7.1	1.1
Eastern	40-60	5-7	Near normal	Less than 10	0-2	Near normal	20-40	1-3	Near normal	48.0	5.6	9.8	1.4	26.1	1.8
Southern Thailand (East Coast)	360-450	16-19	10% Above normal	290-350	12-14	10% Above normal	120-160	7-9	30% Above normal	364.5	16.3	295.7	12.1	111.0	7.2
Southern Thailand (West Coast)	200-260	16-19	20% Above normal	80-120	9-11	Near normal	60-90	4-6	20% Above normal	192.5	16.2	90.0	9.1	59.1	4.2
Bangkok Metropolis and Vicinity	30-50	5-7	Near normal	10-20	0-2	Near normal	10-30	1-3	Near normal	43.5	5.8	12.1	1.2	21.9	1.7

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Table 2 : Prediction of Mean Maximum Temperature (Tmax) and Mean Minimum Temperature (Tmin) (°C) comparing with normal:

Part	Prediction									Normal (Baseline period: 1981-2010)*					
	November 2021			December 2021			January 2022			November		December		January	
	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Comparing with Normal	Mean Tmax	Mean Tmin	Mean Tmax	Mean Tmin	Mean Tmax	Mean Tmin
Northern	31-33	20-22	Above normal	29-31	17-19	Near normal	30-32	16-18	Above normal	31.7	19.9	30.3	16.9	31.2	16.2
Northeastern	30-32	20-22	Above normal	28-30	18-20	Near normal	29-31	17-19	Near normal	31.4	20.5	30.0	17.9	30.7	17.6
Central	31-33	22-24	Above normal	30-32	19-21	Near normal	31-33	19-21	Near normal	32.5	22.1	31.8	19.8	32.7	19.8
Eastern	31-33	23-25	Above normal	30-32	21-23	Near normal	31-33	22-24	Near normal	32.4	23.4	31.9	22.0	32.2	22.0
Southern (East Coast)	30-32	23-25	Near normal	29-31	22-24	Near normal	29-31	22-24	Near normal	30.6	23.6	30.0	23.0	30.5	22.7
Southern (West Coast)	30-32	23-25	Near normal	30-32	23-25	Near normal	31-33	22-24	Near normal	31.6	23.8	31.6	23.4	32.6	23.2
Bangkok and Vicinity	31-33	24-26	Above normal	30-32	23-25	Near normal	31-33	22-24	Near normal	32.6	24.4	31.8	22.8	32.3	22.8

Remarks: - * Normal means average during the 30-year period (A.D. 1991 – 2020 or B.E. 2534 – 2563).

- This long-range climate forecast is created by applying some climate models and statistical methods,
  the public then should follow the daily weather forecast news from the Thai Meteorological Department for more accuracy further.

- The next 3-month climate forecast will be published online before the end of May 2020.

- Further enquiry of monthly climate, 3-month climate and seasonal forecasts can be preceded at Tel: (662)-398-9929 or Fax: (662)-383-8827.
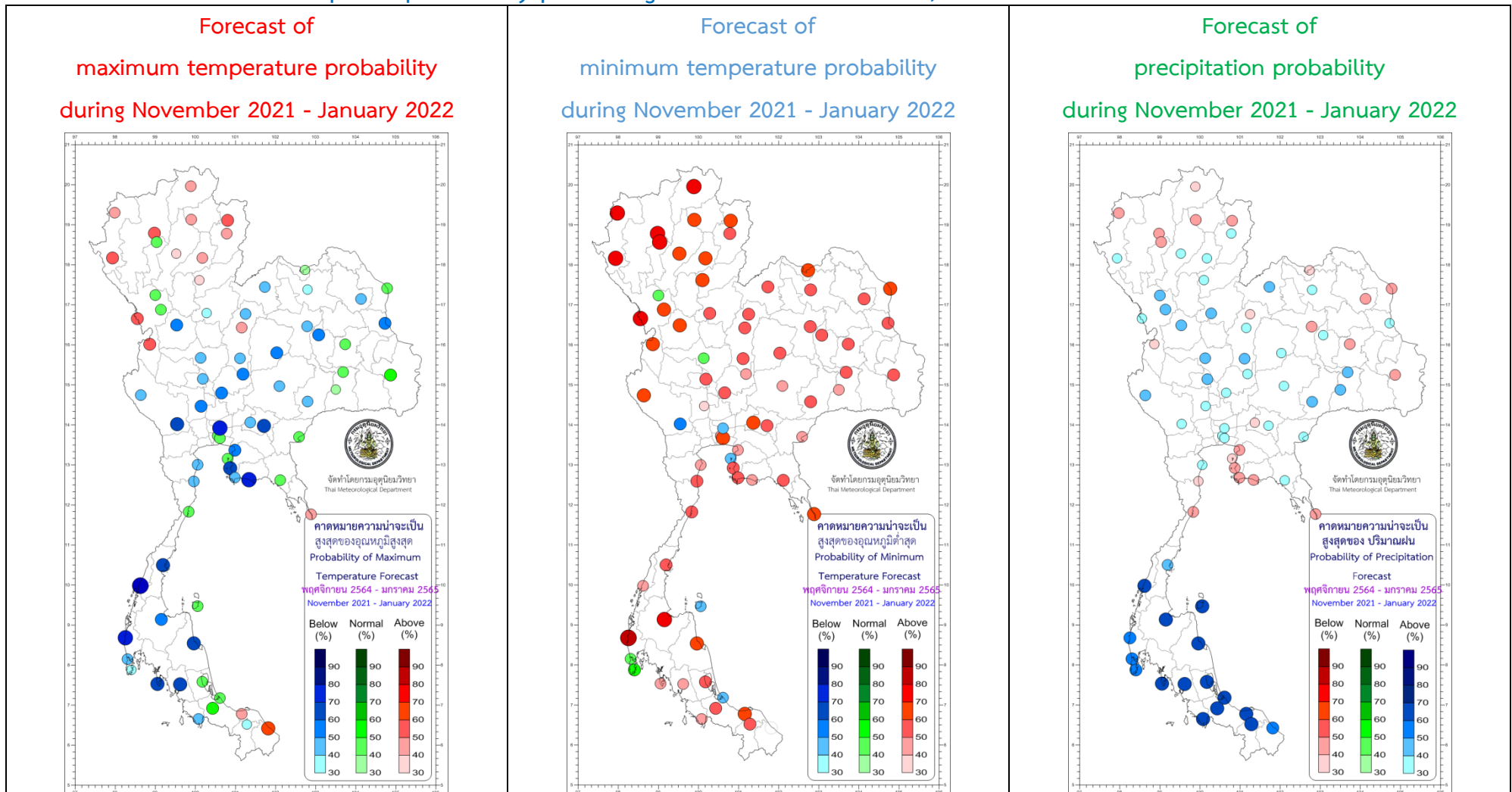
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Point probability forecast maps of maximum and minimum temperature, and precipitation
(Point maps for probability percentage (%) of: below normal, near normal or above normal)

Forecast of maximum temperature probability during November 2021 - January 2022	Forecast of minimum temperature probability during November 2021 - January 2022	Forecast of precipitation probability during November 2021 - January 2022

Note: These maps are mean model forecasts for being included in this three-month climate forecast.

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