



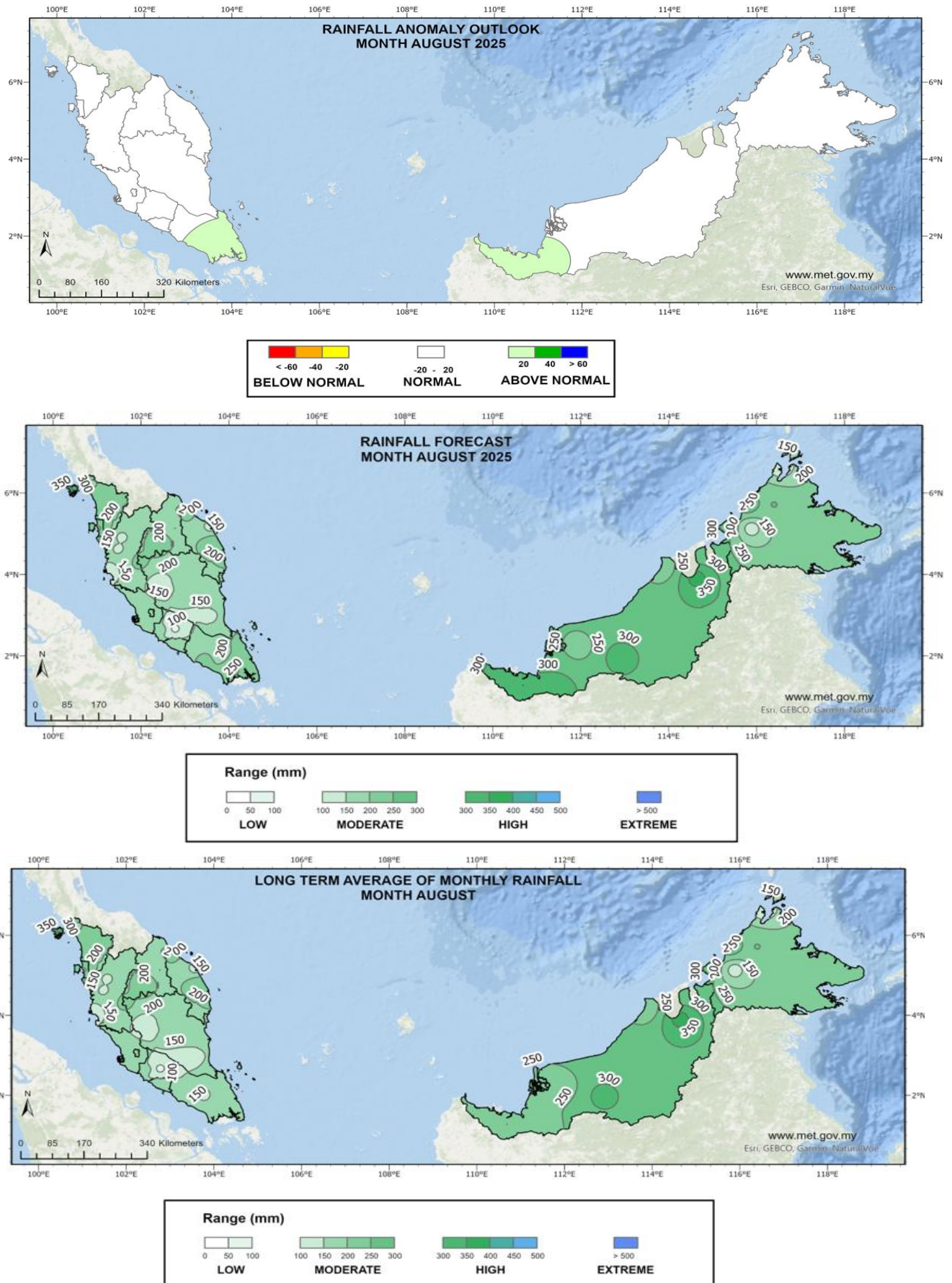
LONG-RANGE WEATHER OUTLOOK FROM AUGUST 2025 TO JANUARY 2026

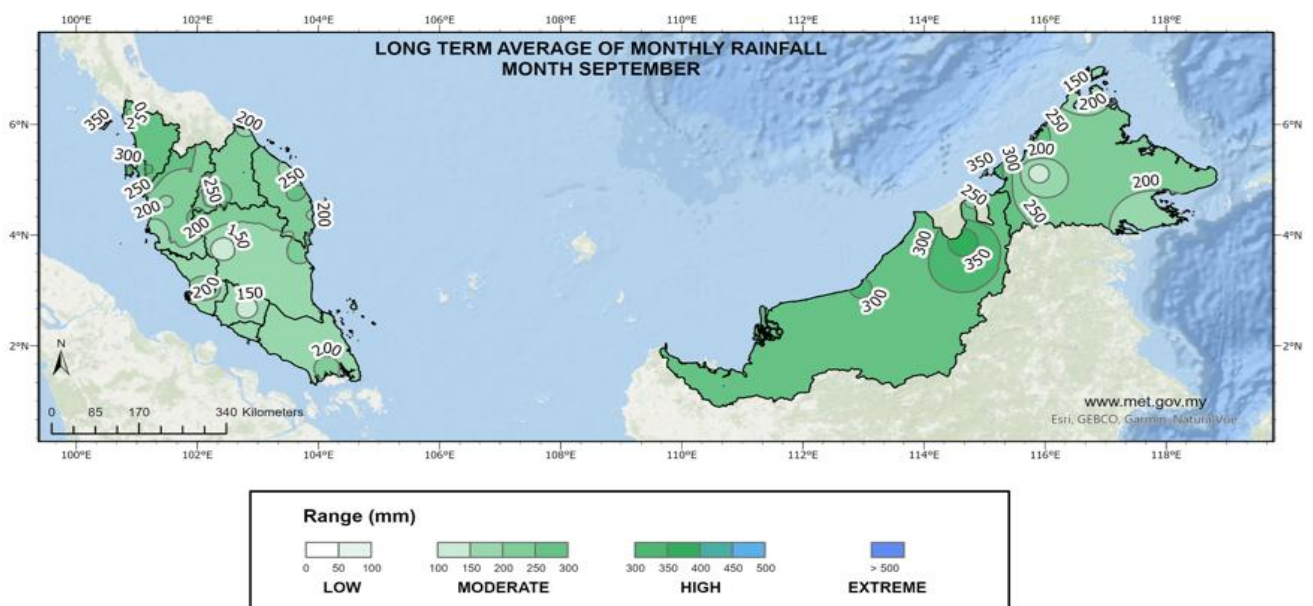
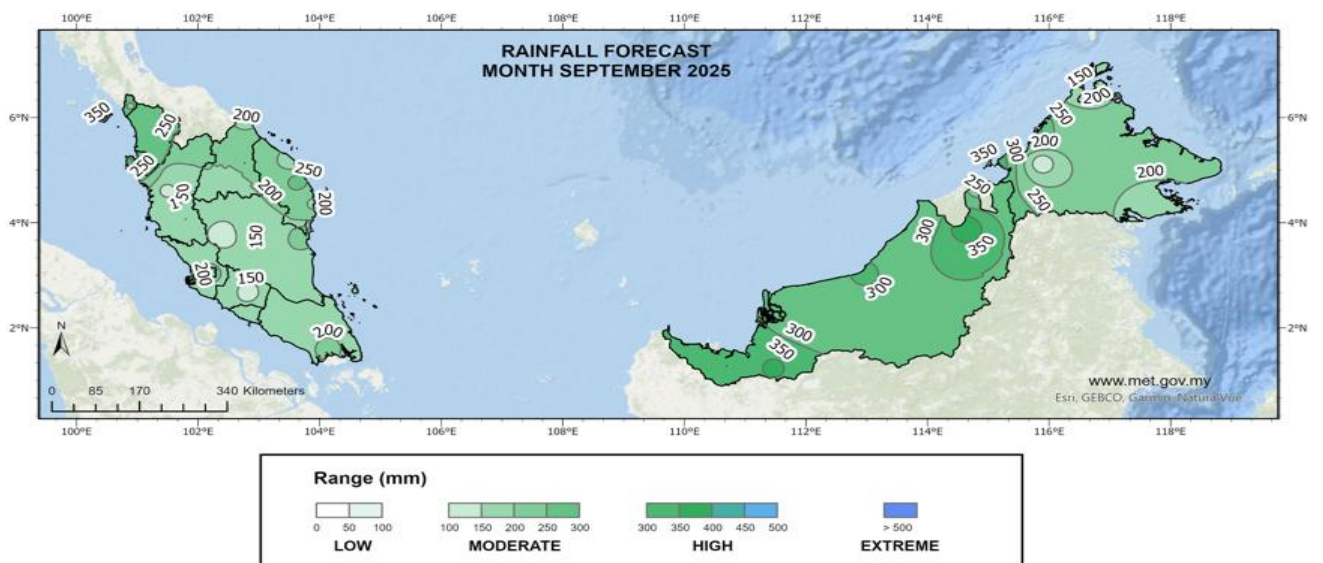
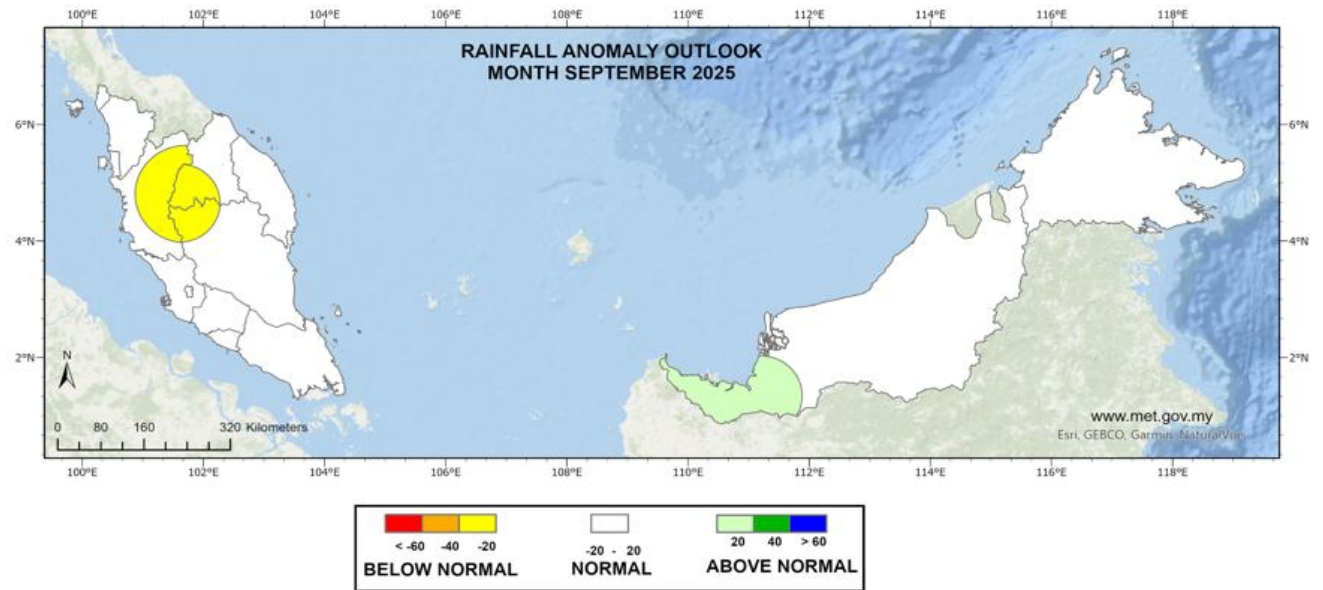
The long range weather outlook for the period of August 2025 to January 2026 is based on a consensus of several climate forecasting models, including the NCEP Coupled Forecast System Model Version 2 (CFSv2), the JMA Ensemble Prediction System (Tokyo Climate Centre), the World Meteorological Organization Lead Centre for Long-Range Forecast Multi-Model Ensemble, the European Centre for Medium-Range Weather Forecasts (ECMWF), the Seasonal Climate Forecast, the International Research Institute for Climate and Society (IRI), and the WRF-CFS Seasonal Forecast by MET Malaysia. Global climate phenomena that influence the country's current weather patterns, such as the El Niño–Southern Oscillation (ENSO), Madden Julian Oscillation (MJO), and Indian Ocean Dipole (IOD) were also referred.

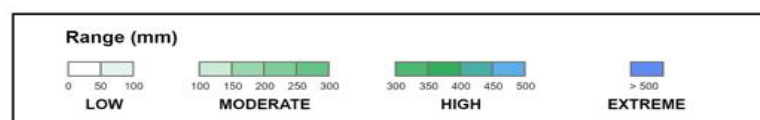
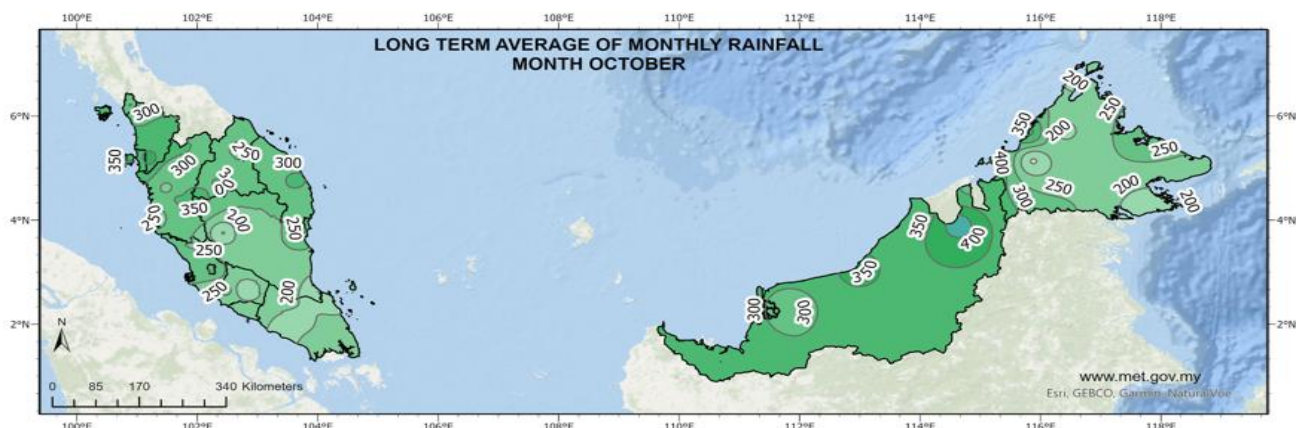
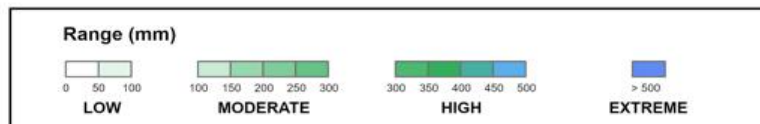
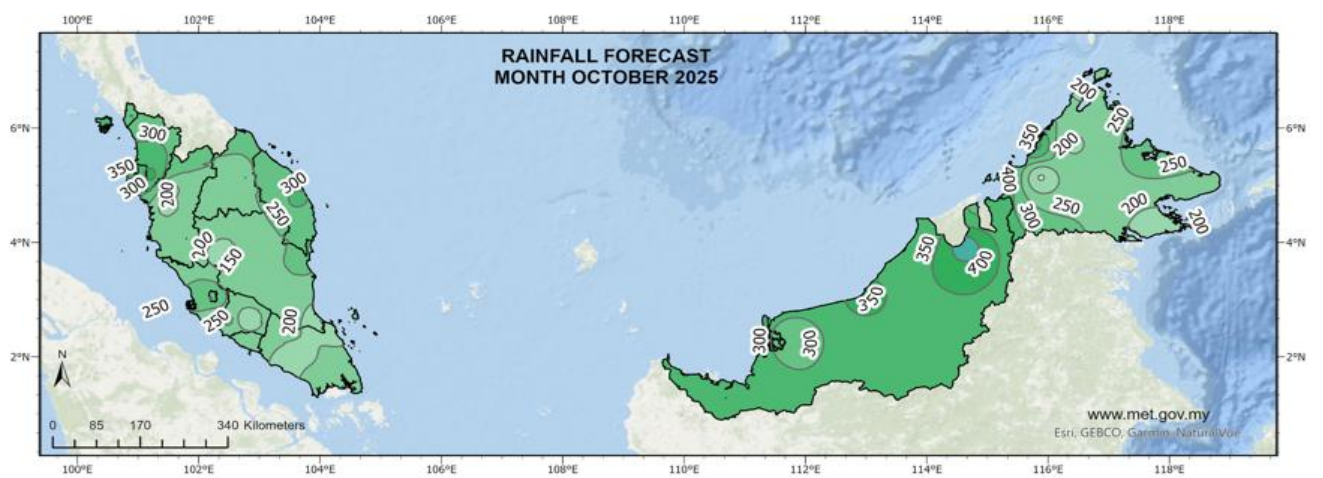
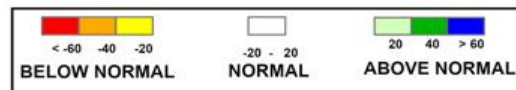
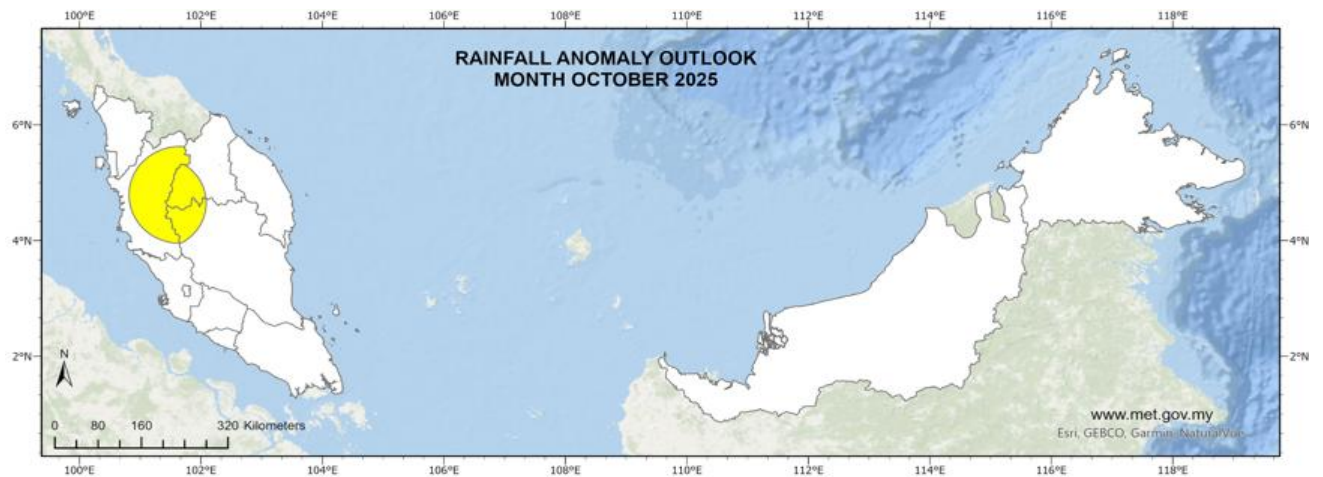
The majority of international climate models indicate that the current ENSO condition is neutral, with the latest Oceanic Niño Index (ONI) in the Niño 3.4 monitoring region recorded at -0.1°C for April, May and June 2025. ENSO-neutral conditions are expected to persist with a 56% probability from August to October 2025 and may continue further. Nevertheless, the likelihood of La Niña conditions is expected to increase from November 2025 to January 2026 period, although it remains comparable to the probability of ENSO-neutral conditions.

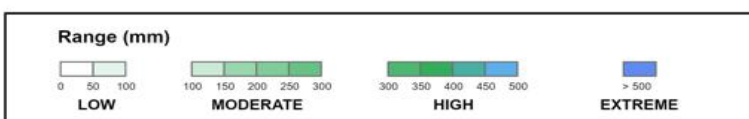
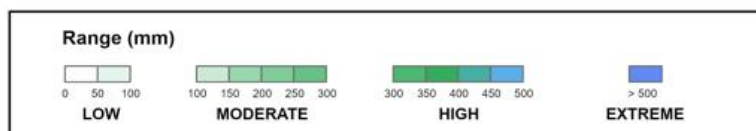
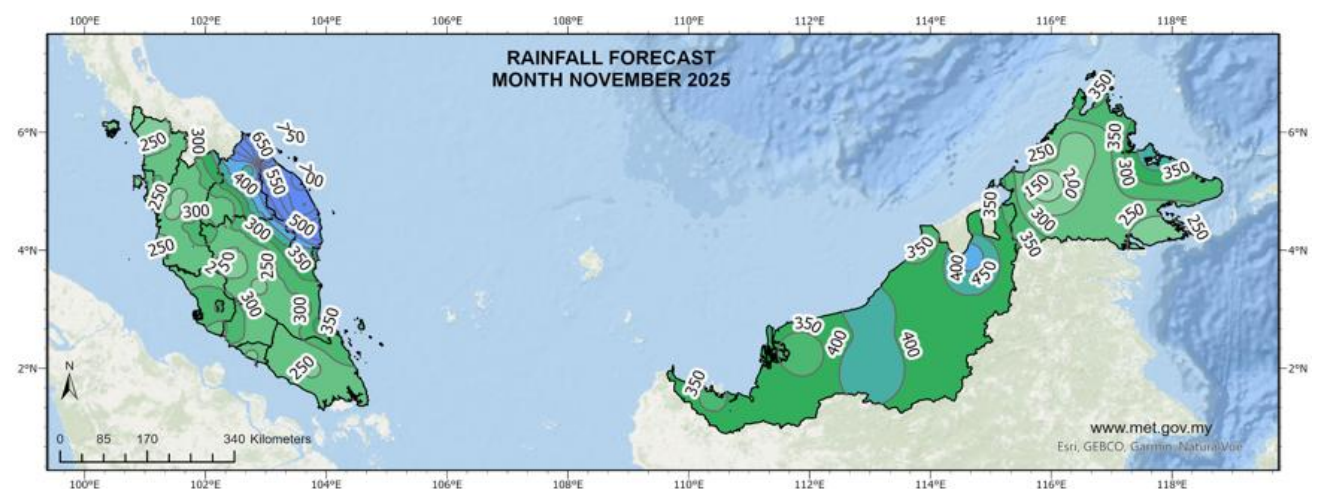
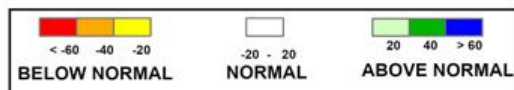
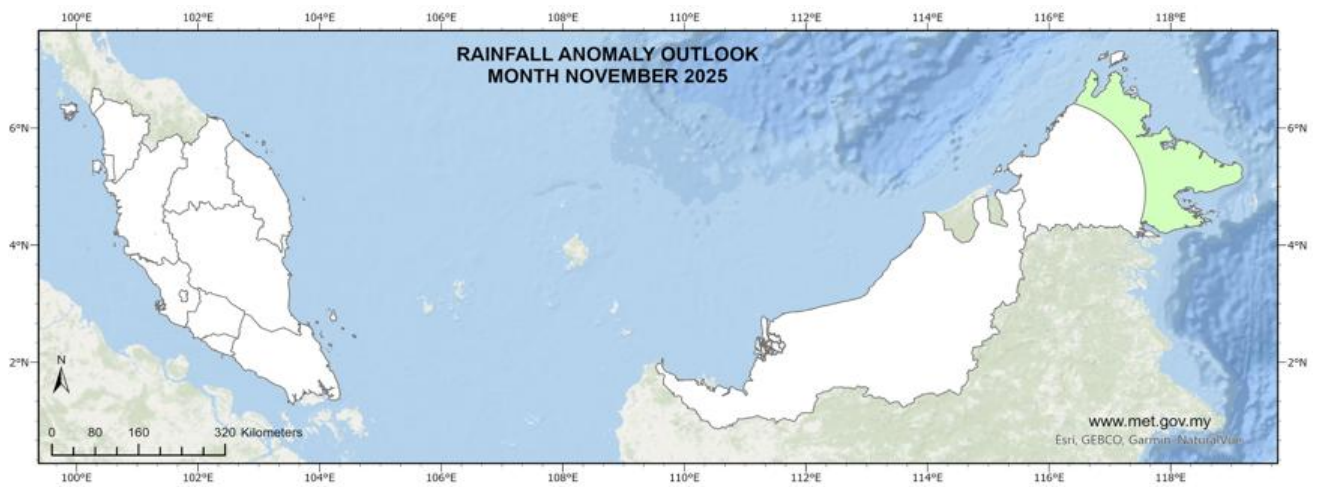
Currently, the region is experiencing the Southwest Monsoon (SWM) phase, which is expected to persist until September 2025. During this period, prevailing winds consistently blow from the southwest across the region. This weather pattern contributes to lower atmospheric moisture levels, thereby reducing cloud formation and limiting rainfall in most areas. As a result, the country is expected to receive below-average rainfall and experience more dry days than rainy days across many states. Additionally, there is potential for localised and transboundary haze to occur between July and September, particularly if open burning activities are not effectively controlled. Despite the generally dry weather and limited cloud development, strong winds and thunderstorms may still occur, especially over the western regions of Peninsular Malaysia, northern Sarawak, and western Sabah. These events typically happen in the early morning due to the squall line phenomenon. A squall line refers to a line of thunderstorms that forms as a result of wind convergence and can persist for several hours.

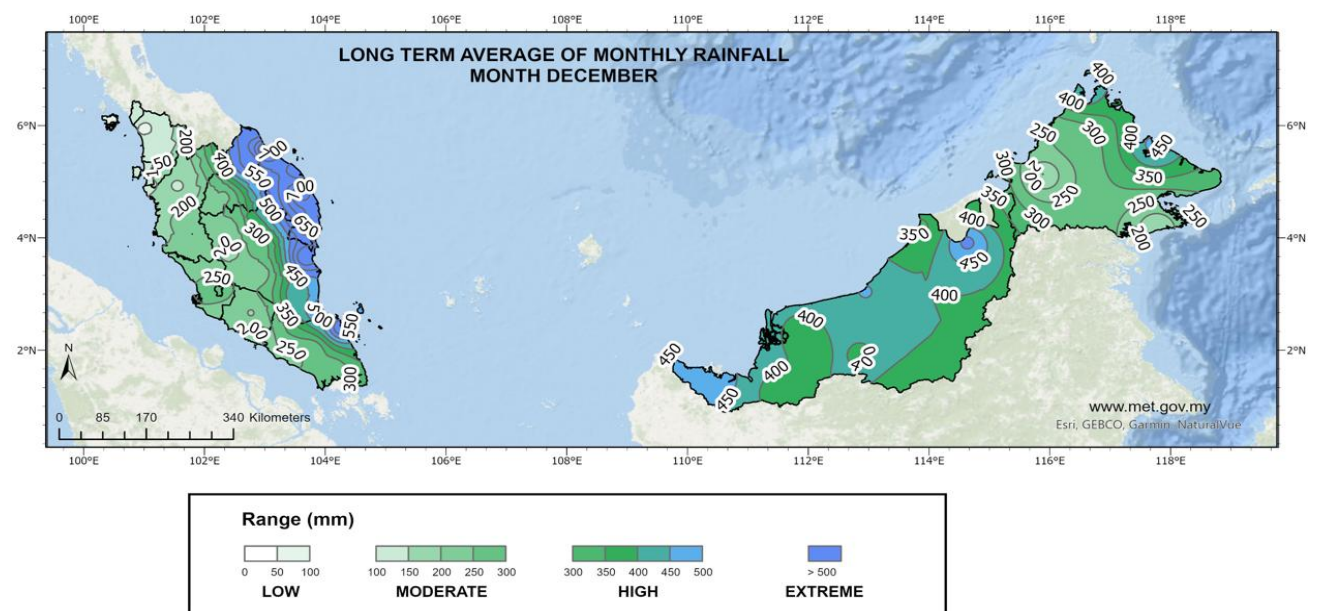
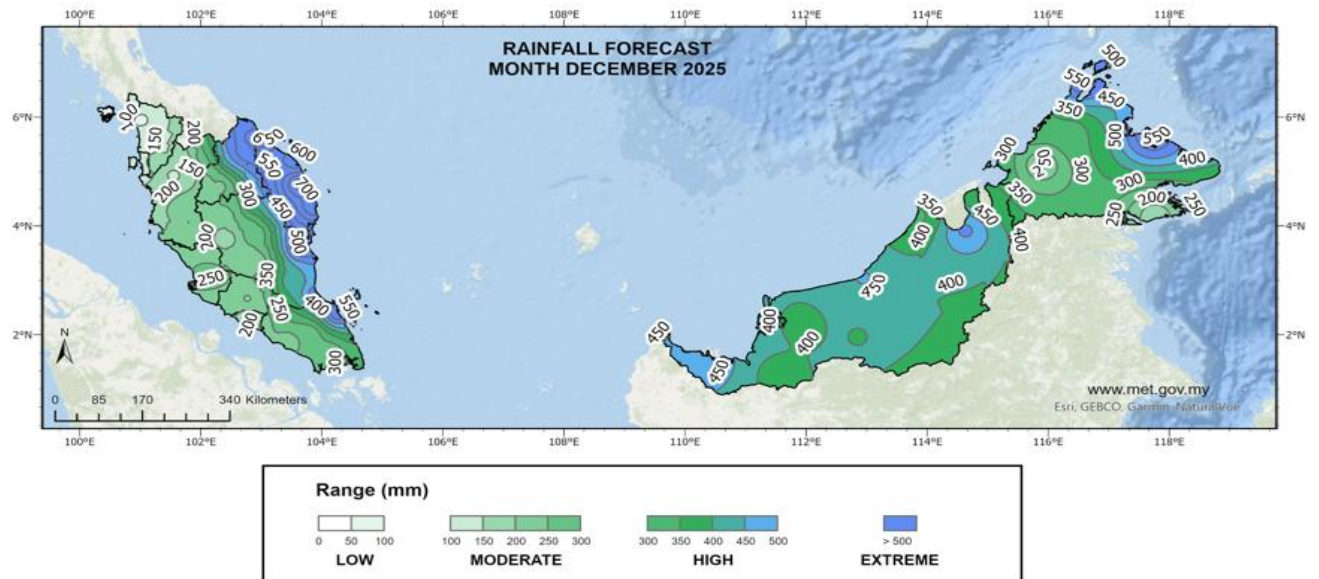
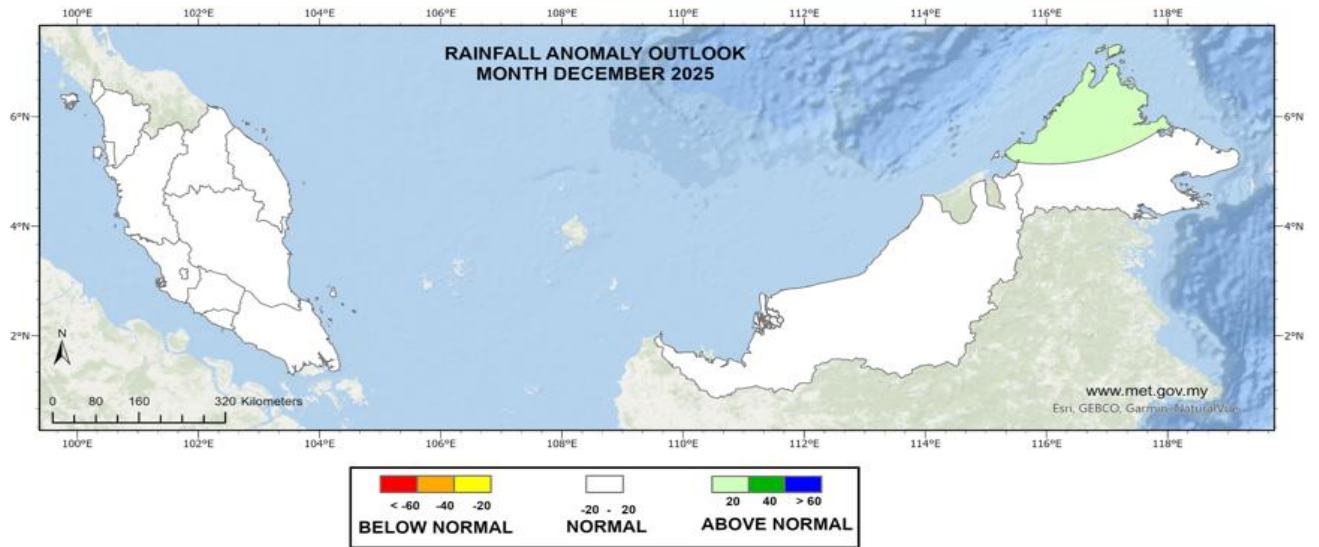
Appendix 1 and **Appendix 2** present a summary and detailed descriptions of the regional weather outlook, including rainfall anomalies and monthly rainfall projections for the period from August 2025 to January 2026, as well as the long-term average monthly rainfall for the corresponding months.

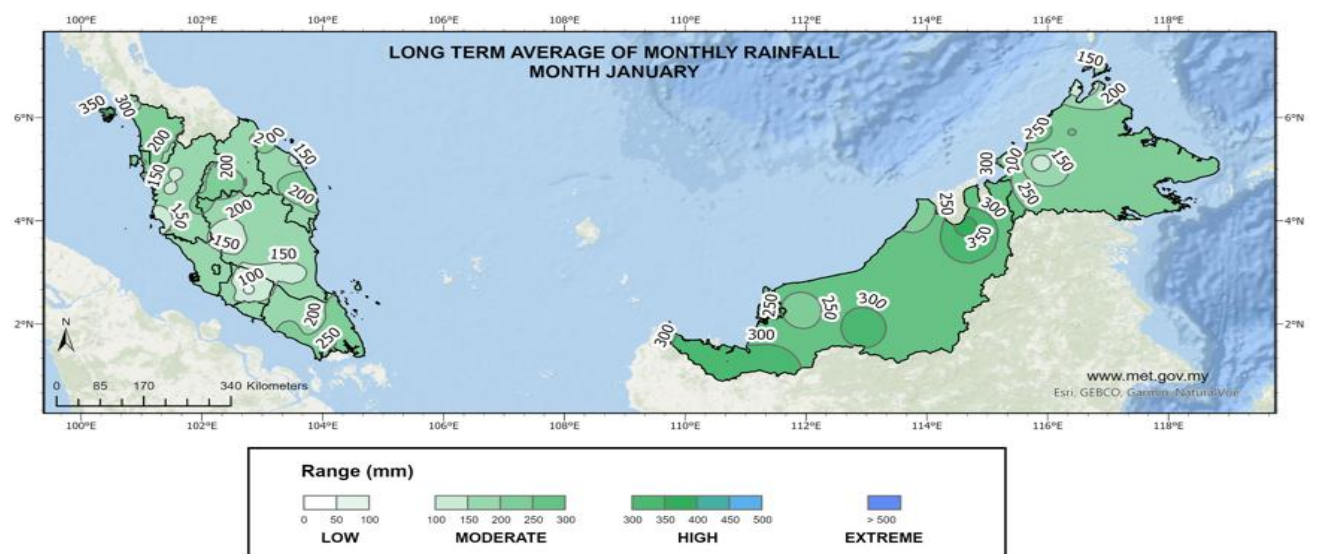
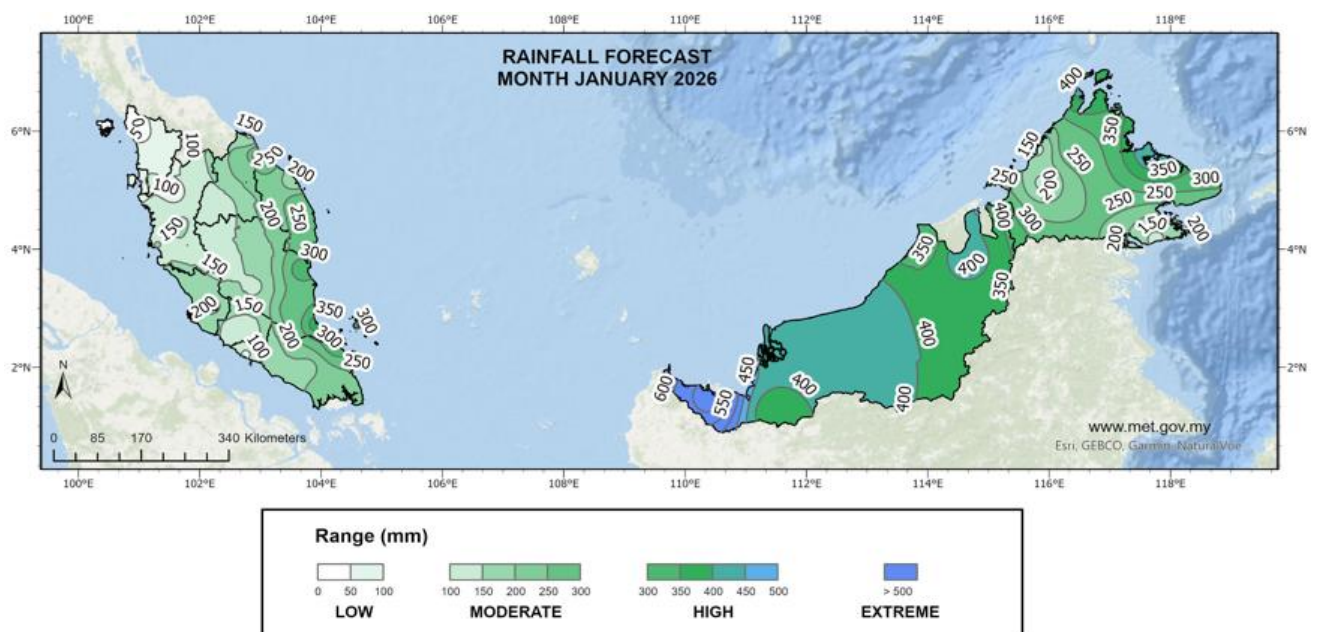
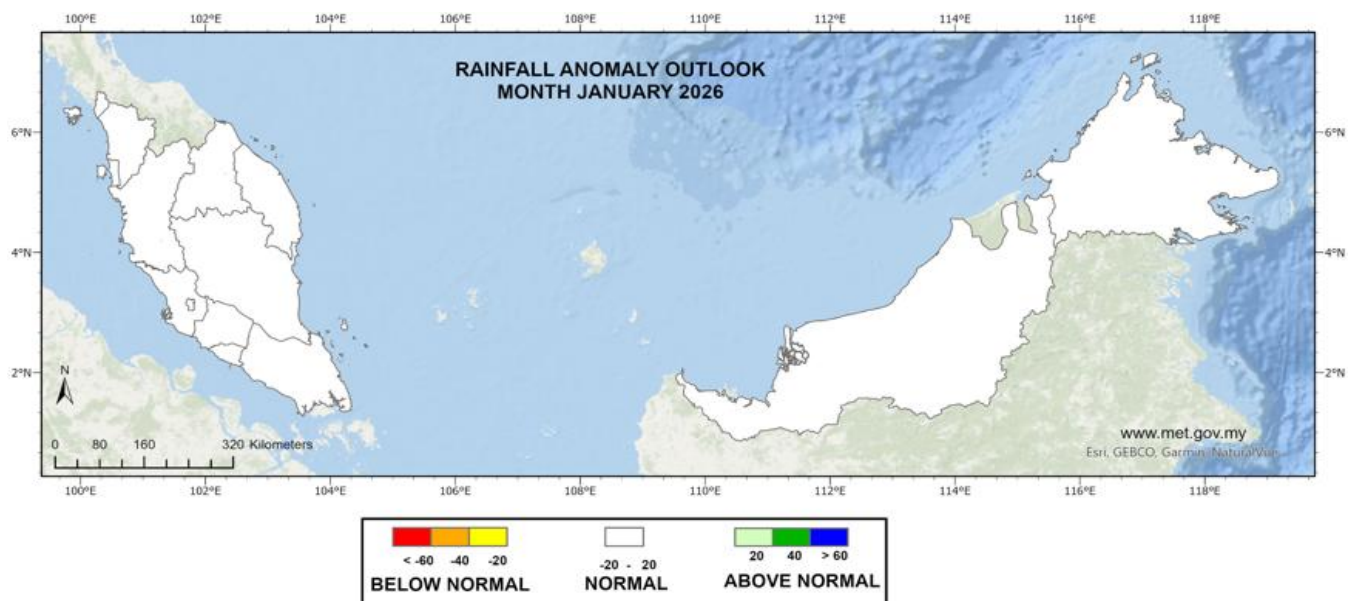














WEATHER OUTLOOK SUMMARY: AUGUST 2025 TO JANUARY 2026

State/Federal Territory		Period (Monthly)	Expected Monthly Rainfall (mm)	Weather Outlook (Classification)
Perlis		August	150 - 230	Normal
		September	200 - 300	Normal
		October	200 - 300	Normal
		November	160 - 240	Normal
		December	80 - 130	Normal
		January	30 - 40	Normal
Kedah	Kubang Pasu, Kota Setar, Pokok Sena, Padang Terap, Pendang, Yan, Sik	August	180 - 260	Normal
		September	220 - 330	Normal
		October	240 - 350	Normal
		November	180 - 260	Normal
		December	80 - 110	Normal
		January	30 - 50	Normal
	Kuala Muda, Baling, Kulim, Bandar Baru	August	170 - 250	Normal
		September	250 - 370	Normal
		October	300 - 460	Normal
		November	260 - 390	Normal
		December	150 - 230	Normal
		January	90 - 130	Normal
	Pulau Langkawi	August	290 - 430	Normal
		September	300 - 450	Normal
		October	280 - 410	Normal
		November	170 - 260	Normal
		December	60 - 90	Normal
		January	20 - 30	Normal
Pulau Pinang	Timur Laut, Barat Daya	August	190 - 280	Normal
		September	270 - 400	Normal
		October	290 - 430	Normal
		November	190 - 280	Normal
		December	90 - 130	Normal
		January	60 - 90	Normal
	Seberang Perai Utara	August	170 - 260	Normal
		September	230 - 350	Normal
		October	280 - 420	Normal
		November	200 - 310	Normal
		December	80 - 130	Normal
		January	60 - 100	Normal



Pulau Pinang	Seberang Perai Tengah, Seberang Perai Selatan	August	150 - 230	Normal
		September	220 - 330	Normal
		October	250 - 380	Normal
		November	200 - 300	Normal
		December	100 - 150	Normal
		January	80 - 120	Normal
		Perak	Kuala Kangsar, Kerian, Larut, Matang & Selama	August
September	110 - 150			Slightly Below Normal
October	140 - 190			Slightly Below Normal
November	190 - 280			Normal
December	130 - 190			Normal
January	100 - 150			Normal
Hulu Perak	August			110 - 160
	September		140 - 180	Slightly Below Normal
	October		160 - 210	Slightly Below Normal
	November		190 - 280	Normal
	December		110 - 170	Normal
	January		60 - 90	Normal
	Manjung, Perak Tengah, Hilir Perak, Bagan Datuk		August	100 - 150
September			140 - 200	Normal
October			180 - 270	Normal
November			190 - 280	Normal
December			160 - 240	Normal
January			120 - 180	Normal
Kinta, Kampar, Batang Padang, Muallim			August	140 - 210
	September		130 - 170	Slightly Below Normal
	October		180 - 240	Slightly Below Normal
	November		240 - 370	Normal
	December		200 - 290	Normal
	January		140 - 220	Normal
	Selangor	August	130 - 200	Normal
September		160 - 250	Normal	
October		220 - 330	Normal	
November		250 - 380	Normal	
December		210 - 310	Normal	
January		150 - 230	Normal	
Kuala Lumpur		August	140 - 210	Normal
	September	180 - 260	Normal	
	October	240 - 360	Normal	
	November	290 - 440	Normal	
	December	240 - 360	Normal	
	January	180 - 280	Normal	



Putrajaya		August	120 - 180	Normal
		September	150 - 230	Normal
		October	160 - 240	Normal
		November	220 - 330	Normal
		December	170 - 260	Normal
		January	130 - 190	Normal
Negeri Sembilan		August	70 - 100	Normal
		September	90 - 140	Normal
		October	130 - 200	Normal
		November	230 - 340	Normal
		December	160 - 240	Normal
		January	100 - 150	Normal
Melaka		August	150 - 230	Normal
		September	150 - 230	Normal
		October	170 - 250	Normal
		November	190 - 290	Normal
		December	120 - 190	Normal
		January	80 - 110	Normal
Kelantan	Gua Musang	August	190 - 280	Normal
		September	170 - 220	Slightly Below Normal
		October	180 - 240	Slightly Below Normal
		November	210 - 320	Normal
		December	190 - 290	Normal
		January	100 - 150	Normal
	Jeli, Kuala Krai	August	150 - 220	Normal
		September	170 - 260	Normal
		October	180 - 280	Normal
		November	340 - 510	Normal
		December	450 - 670	Normal
		January	160 - 240	Normal
	Tumpat, Kota Bharu, Bachok, Pasir Mas, Pasir Puteh, Tanah Merah, Machang	August	130 - 200	Normal
		September	150 - 220	Normal
		October	220 - 330	Normal
		November	540 - 810	Normal
		December	460 - 690	Normal
		January	120 - 180	Normal



Terengganu	Besut, Setiu	August	180 - 270	Normal
		September	200 - 290	Normal
		October	240 - 360	Normal
		November	630 - 940	Normal
		December	600 - 910	Normal
		January	290 - 440	Normal
	Kuala Nerus, Kuala Terengganu	August	110 - 160	Normal
		September	130 - 200	Normal
		October	200 - 300	Normal
		November	590 - 880	Normal
		December	460 - 690	Normal
		January	130 - 190	Normal
	Hulu Terengganu	August	190 - 290	Normal
		September	220 - 330	Normal
		October	250 - 380	Normal
		November	560 - 840	Normal
		December	620 - 930	Normal
		January	230 - 340	Normal
	Dungun, Kemaman	August	170 - 250	Normal
		September	160 - 240	Normal
		October	210 - 320	Normal
		November	470 - 710	Normal
		December	600 - 900	Normal
		January	230 - 350	Normal
Pahang	Kuantan,Pekan	August	150 - 230	Normal
		September	170 - 250	Normal
		October	220 - 330	Normal
		November	280 - 430	Normal
		December	520 - 770	Normal
		January	260 - 390	Normal
	Rompin	August	120 - 180	Normal
		September	120 - 190	Normal
		October	150 - 220	Normal
		November	310 - 460	Normal
		December	440 - 660	Normal
		January	300 - 460	Normal
	Bentong, Temerloh, Maran, Bera	August	130 - 190	Normal
		September	130 - 200	Normal
		October	160 - 250	Normal
		November	190 - 290	Normal
		December	170 - 250	Normal
		January	110 - 160	Normal



Pahang	Cameron Highlands	August	190 - 280	Normal
		September	160 - 220	Slightly Below Normal
		October	210 - 280	Slightly Below Normal
		November	270 - 410	Normal
		December	180 - 260	Normal
		January	110 - 160	Normal
	Lipis, Jerantut	August	130 - 190	Normal
		September	150 - 230	Normal
		October	190 - 280	Normal
		November	210 - 310	Normal
		December	210 - 320	Normal
		January	130 - 190	Normal
	Raub	August	80 - 130	Normal
		September	90 - 130	Normal
		October	120 - 180	Normal
		November	160 - 240	Normal
		December	140 - 210	Normal
		January	80 - 130	Normal
Johor	Mersing	August	210 - 240	Slightly Above Normal
		September	130 - 200	Normal
		October	160 - 240	Normal
		November	270 - 410	Normal
		December	470 - 710	Normal
		January	280 - 420	Normal
	Segamat, Muar, Tangkak, Batu Pahat	August	200 - 230	Slightly Above Normal
		September	140 - 210	Normal
		October	150 - 230	Normal
		November	200 - 300	Normal
		December	180 - 270	Normal
		January	140 - 210	Normal
	Kluang	August	170 - 200	Slightly Above Normal
		September	130 - 190	Normal
		October	160 - 240	Normal
		November	190 - 280	Normal
		December	200 - 310	Normal
		January	150 - 220	Normal
	Kota Tinggi, Kulai, Pontian, Johor Bahru	August	240 - 280	Slightly Above Normal
		September	170 - 260	Normal
		October	180 - 270	Normal
		November	210 - 320	Normal
		December	210 - 310	Normal
		January	170 - 250	Normal



Sarawak	Kuching, Samarahan	August	290 - 330	Slightly Above Normal
		September	310 - 370	Slightly Above Normal
		October	270 - 400	Normal
		November	280 - 420	Normal
		December	380 - 570	Normal
		January	540 - 810	Normal
	Sri Aman, Betong	August	290 - 340	Slightly Above Normal
		September	330 - 380	Slightly Above Normal
		October	250 - 370	Normal
		November	290 - 440	Normal
		December	310 - 470	Normal
		January	290 - 430	Normal
	Sarikei, Sibuan, Mukah	August	180 - 270	Normal
		September	200 - 300	Normal
		October	220 - 330	Normal
		November	270 - 400	Normal
		December	320 - 470	Normal
		January	330 - 500	Normal
	Bintulu	August	230 - 350	Normal
		September	240 - 360	Normal
		October	290 - 430	Normal
		November	330 - 500	Normal
		December	360 - 540	Normal
		January	350 - 530	Normal
	Kapit	August	250 - 380	Normal
		September	240 - 360	Normal
		October	280 - 410	Normal
		November	350 - 520	Normal
		December	320 - 480	Normal
		January	340 - 510	Normal
	Miri	August	170 - 260	Normal
		September	200 - 300	Normal
		October	250 - 380	Normal
		November	250 - 380	Normal
		December	280 - 410	Normal
		January	240 - 360	Normal
	Limbang	August	200 - 300	Normal
		September	190 - 290	Normal
		October	230 - 350	Normal
		November	300 - 440	Normal
		December	300 - 460	Normal
		January	360 - 540	Normal



Sarawak	Marudi	August	300 - 440	Normal
		September	310 - 460	Normal
		October	340 - 510	Normal
		November	390 - 580	Normal
		December	410 - 610	Normal
		January	350 - 530	Normal
Sabah	Labuan	August	250 - 370	Normal
		September	280 - 420	Normal
		October	330 - 500	Normal
		November	300 - 450	Normal
		December	250 - 380	Normal
		January	180 - 280	Normal
	Pantai Barat	August	220 - 330	Normal
		September	250 - 370	Normal
		October	290 - 430	Normal
		November	240 - 360	Normal
		December	290 - 340	Slightly Above Normal
		January	110 - 170	Normal
	Kudat	August	100 - 150	Normal
		September	120 - 180	Normal
		October	160 - 230	Normal
		November	350 - 400	Slightly Above Normal
		December	530 - 620	Slightly Above Normal
		January	320 - 490	Normal
	Sandakan	August	180 - 270	Normal
		September	200 - 300	Normal
		October	220 - 330	Normal
		November	400 - 470	Slightly Above Normal
		December	550 - 640	Slightly Above Normal
		January	350 - 530	Normal
	Ranau	August	200 - 300	Normal
		September	170 - 260	Normal
		October	150 - 220	Normal
		November	170 - 250	Normal
		December	310 - 360	Slightly Above Normal
		January	240 - 350	Normal



Sabah	Tawau	August	160 - 240	Normal
		September	120 - 190	Normal
		October	130 - 200	Normal
		November	200 - 230	Slightly Above Normal
		December	140 - 210	Normal
		January	120 - 170	Normal
	Pedalaman	August	100 - 150	Normal
		September	100 - 140	Normal
		October	120 - 180	Normal
		November	100 - 150	Normal
		December	180 - 210	Slightly Above Normal
		January	110 - 170	Normal

MONTHLY RAINFALL CLASSIFICATION

Classification	Description of Classification
Significantly Above Normal	Increase of more than 60% from the long-term average monthly rainfall.
Above Normal	Increase of 40% to 60% from the long-term average monthly rainfall
Slightly Above Normal	Increase of 20% to 40% from the long-term average monthly rainfall
Normal	Increase or decrease within $\pm 20\%$ of the long-term average monthly rainfall
Slightly Below Normal	Decrease of 20% to 40% from the long-term average monthly rainfall
Below Normal	Decrease of 40% to 60% from the long-term average monthly rainfall
Significantly Below Normal	Decrease of more than 60% from the long-term average monthly rainfall

Note: The Malaysian Meteorological Department will regularly update the weather outlook if there are any significant changes to this long-term forecast.

Prepared by:

National Climate Centre
Malaysian Meteorological Department
Ministry of Natural Resources and Environmental Sustainability

Last updated: 31st July 2025