

Climate Monitoring and Prediction for the Maldives – July 2025

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PACIFIC SEAS STATE

July 18, 2025

As of mid-July 2025, the equatorial Pacific remains in an ENSO-neutral state. The IRI ENSO plume forecast indicates a high probability (75%) of ENSO-neutral conditions for Jul-Sep 2025. These neutral conditions are expected to persist through the end of the forecast period. For later seasons (Oct-Dec and Nov-Jan), the probabilities for ENSO-neutral decrease slightly to 49% and 49%, respectively, but remain higher than those for either El Niño or La Niña. Looking ahead to the 2025/2026 period, ENSO-neutral once again becomes the dominant category, with gradually increasing probabilities. (Text Courtesy IRI)

INDIAN OCEAN STATE

24–30 Jun, 2025

0.5°C above average SST was observed around the Maldives.

In July, the northern islands received the highest rainfall, up to 40 mm per day. The maximum temperature of 33°C was recorded in the central islands. North-westerly winds prevailed over the northern and central islands, while westerly winds dominated in the southern islands. Sea surface temperatures (SST) in the eastern Pacific Ocean are expected to remain near-neutral this

Highlights

Monitored: In June, the northern and southern islands received up to 10 mm of rainfall; while remaining islands received less. North-Westerly winds prevailed for the northern and central islands; while Westerly winds prevailed for the southern islands of the Maldives during the month of June.

Predictions: ENSO-neutral is most likely through the late Northern Hemisphere summer 2025 (56% chance in August-October). Thereafter, chances of La Niña conditions increase into the fall and winter 2025-26, but remain comparable to ENSO-neutral.

Summary

CLIMATOLOGY: Historical Average of Climate

Monthly Climatology for July: In July, the entire country usually receives up to 200 mm average rainfall and the wind direction in July is usually westerly but with low speeds wind speed. In August and September, the rainfall in southern and central islands increases to 250 mm while in northern islands it remains about 200 mm. The wind direction and speed do not change.

MONITORING

Fortnightly Rainfall Monitoring from 12th July to 26th July

Date	Rainfall		
	Northern Islands	Central Islands	Southern Islands
12 th July	10 mm	TR	-
13 th July	10 mm	TR	TR
14 th July	10 mm	TR	-
15 th July	TR	-	TR
16 th July	TR	TR	-
17 th July	10 mm	20 mm	TR
18 th July	20 mm	20 mm	30 mm
19 th July	10 mm	TR	TR
20 th July	40 mm	30 mm	TR
21 st July	40 mm	40 mm	TR
22 nd July	20 mm	10 mm	TR
23 rd July	30 mm	5 mm	-
24 th July	30 mm	10 mm	-
25 th July	10 mm	10 mm	10 mm
26 th July	40 mm	10 mm	10 mm

TR - Trace Value

Monthly and Seasonal Rainfall Monitoring

Monthly Average: In June, the northern and southern islands received up to 10 mm of rainfall, and the central islands received up to 5 mm rainfall.

Monthly Temperature Monitoring:

	Northern Islands	Central Islands	Southern Islands
T Max	32.0°C	33.0°C	32.0°C
T Min	23.5°C	23.8°C	23.2°C

Dekadal Rainfall Estimates

11-20 Jun, Dekadal rainfall estimated as; Northern Islands: 100 mm rainfall
Central Islands: 30 mm rainfall
Southern Islands: 80 mm rainfall

21-30 Jun, Dekadal rainfall estimated as; Northern Islands: 50 mm rainfall
Central Islands: 50 mm rainfall
Southern Islands: 20 mm rainfall

PREDICTIONS

Daily Rainfall Forecast:

Date	Rainfall		
	Northern Islands	Central Islands	Southern Islands
29th July	10 mm	20 mm	40 mm
30th July	10 mm	40 mm	40 mm
31st July	40 mm	20 mm	40 mm
01st August	10 mm	20 mm	20 mm
02nd August	10 mm	10 mm	10 mm
03rd August	20 mm	10 mm	10 mm
04th August	20 mm	20 mm	20 mm

Biweekly Rainfall Forecast:

NOAA/NCEP GFS model predicts higher probability of above-normal tercile by 40% in the central islands and by 50% in the southern islands; near-neutral in the northern islands between 2nd - 15th August.

Seasonal Rainfall and Temperature Forecast:

Near-neutral tercile is probable in southern, central and northern islands of Maldives from August-September-October 2025 and seasonal rainfall forecast is higher likelihood of below-normal range.

MJO Index:

The MJO is predicted by NOAA CPC to be in phases 7,8,1,2 respectively in the next two weeks (27 July – 11 August 2025). MJO in phase 7, 8 will suppress the rainfall over the Maldives from 28th July- 1st August, MJO in phase 1 will neutral the rainfall over the Maldives from 2nd- 6th August, MJO in phase 2 will enhance the rainfall over the Maldives from 6th- 10th August.

Figures in Annexure

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