



MONTHLY CLIMATE BULLETIN SEPTEMBER 2025

1. Introduction

This bulletin presents a summary of the prevailing climate conditions over Mahe, Praslin, and La Digue during September 2025. Rainfall deficits have persisted since April. These dry conditions continued through the period, affecting most areas of the three islands. Although localized rainfall improvements were observed over northwestern and western Mahe in August, dryness prevailed across Mahe, Praslin, and La Digue in September 2025. La Niña conditions emerged during the month, marked by below-average sea surface temperatures in the central and eastern Pacific and above-average temperatures in the western Pacific. Meanwhile, a negative phase of the Indian Ocean Dipole was underway. The Madden–Julian Oscillation remained weak throughout September.

2. Monthly rainfall performance in September 2025

2.1 Distribution of rainfall for September 2025

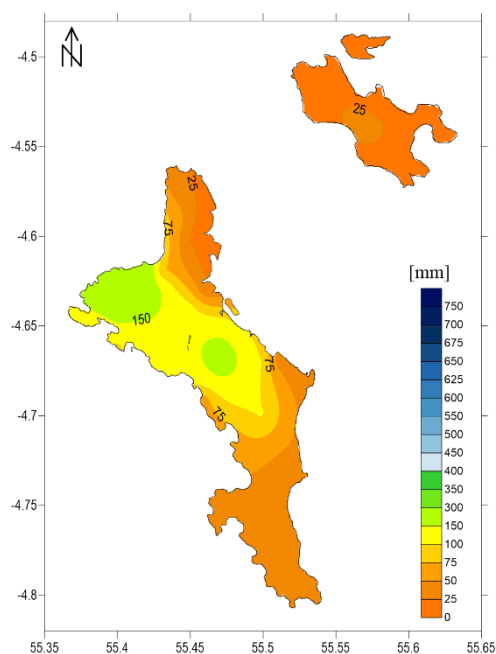


Figure 1: Monthly total rainfall in mm during September 2025

Figure 1 illustrates the spatial distribution of total rainfall across Mahe and Praslin for September 2025.

Over Mahe, rainfall totals ranged from 23.9 mm to 211.3 mm. The highest total was recorded at Bel Ombre station, while the lowest occurred at Ma Constance station. Totals below 75 mm were observed over much of northern Mahe, the southern portion of eastern Mahe, and across the southern part of the island. Rainfall between 150 mm and 211.3 mm was measured in the north-western part of Mahe and in localized areas around La Misère. Overall, rainfall gradually decreased from the north-west toward the south and north-east.

On Praslin and La Digue, rainfall totals ranged from 8.2 mm to 31.5 mm. The highest total on Praslin was registered at Vallée-de-Mai Shelter (76.5 mm), while on La Digue, the maximum was observed at La Digue Bellevue (15.4 mm). The lowest total on Praslin occurred at Baie-Ste-Anne PUC (8.2 mm). In general, Praslin and La Digue received considerably less rainfall compared to the main island of Mahe.



2.2 Monthly rainfall anomaly and Percentage of normal rainfall during September 2025

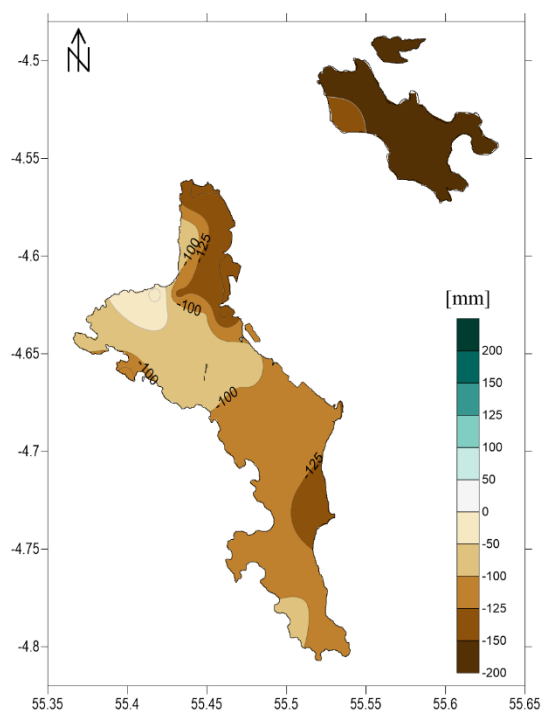


Figure 2: Monthly rainfall anomaly in mm during September 2025

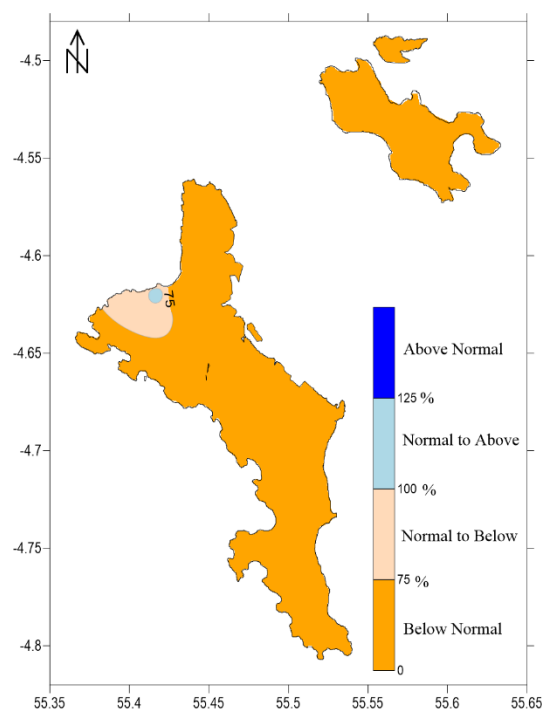


Figure 3: Percent of normal rainfall during September 2025

Figure 2 shows the rainfall anomalies over Mahe and Praslin for September 2025. Negative anomalies were observed across most parts of Mahe. Anomalies lower than -100 mm were recorded in the northern, eastern, and southern parts of the island. However, small pockets in the northwest around Bel Ombre recorded positive anomalies of about 14.1 mm. On Praslin, rainfall anomalies were predominantly negative, with values reaching around -175 mm.

Figure 3 depicts the overall rainfall conditions across Mahe and Praslin. Both islands were largely characterized by below-normal conditions. Normal to below-normal rainfall occurred in the north-western part of Mahe, while localized areas around Bel Ombre reported normal to above-normal rainfall. At La Digue, Curieuse Island, and Denise Island, rainfall totals were below the long-term mean (Figure 4).

SEYCHELLES METEOROLOGICAL AUTHORITY

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SMA/CLI/FM/011

Created by : T. Nomenjanahary

Revision Number : 0 (NEW)

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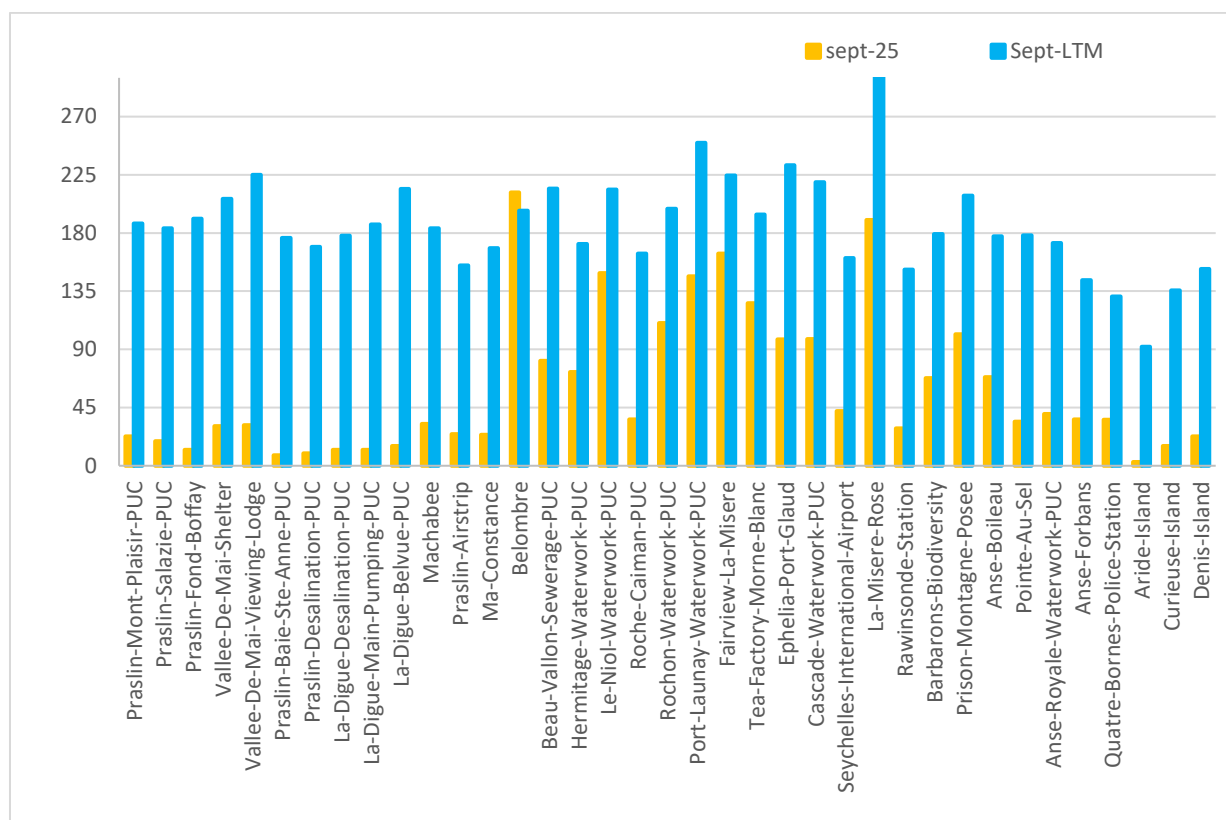


Figure 4: September 2025 rainfall total against September Long Term Mean (LTM)

3. Mean temperature anomaly - September 2025

The mean air temperature during September 2025 was close to the climatological value for the month, which is 27 °C.



September Mean Temperature Anomalies - 1972 to present

— 5-Year Running Mean - Trend Line

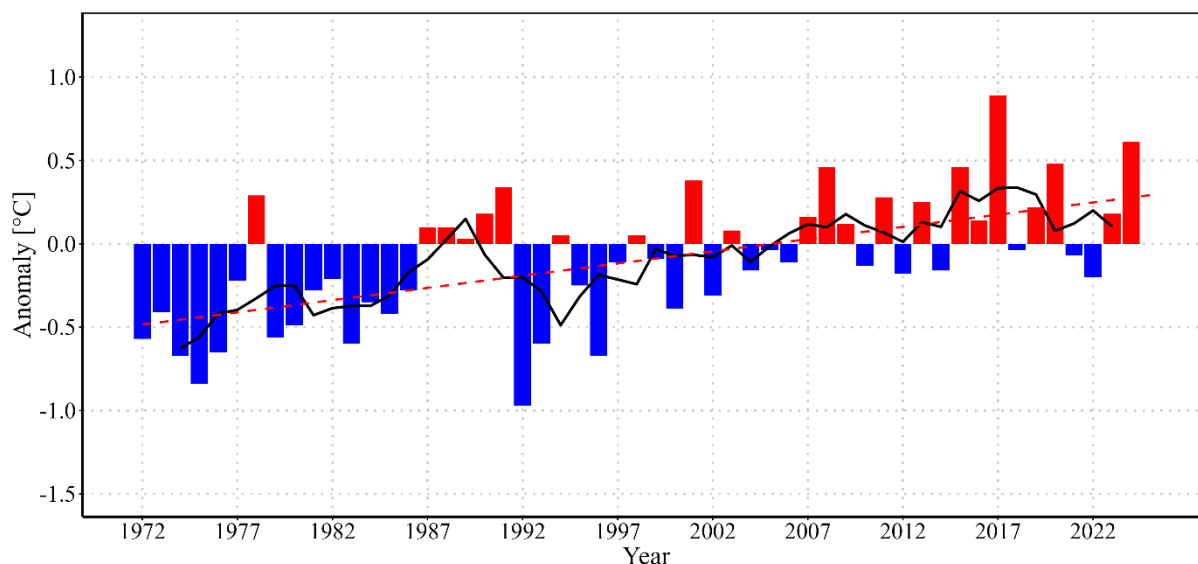


Figure 5: Mean temperature anomalies.

Note: Anomalies represent deviations from the mean or average. For temperature, positive anomalies (red bars) indicate warmer-than-average conditions, while negative anomalies (blue bars) indicate cooler-than-average conditions.

4. Daily weather for September 2025 at Seychelles International Airport

4.1. Daily rainfall, relative humidity, maximum and minimum temperature in September 2025

At Seychelles International Airport, a total of 43 mm of rainfall was recorded in September 2025. This amount was below the climatological value for the month (183.6 mm). The highest daily total was 10 mm, observed on 22nd September. A total of 11.6 mm fell in the first dekad (1-10 September), 14.2 mm in the second dekad (11-20 September), and 17.2 mm in the third dekad (21-30 September). A dry spell lasting seven consecutive days occurred from 5th to 11th September. A dry day is defined as one with less than 1 mm of rainfall, while a dry spell refers to a sequence of consecutive dry days.

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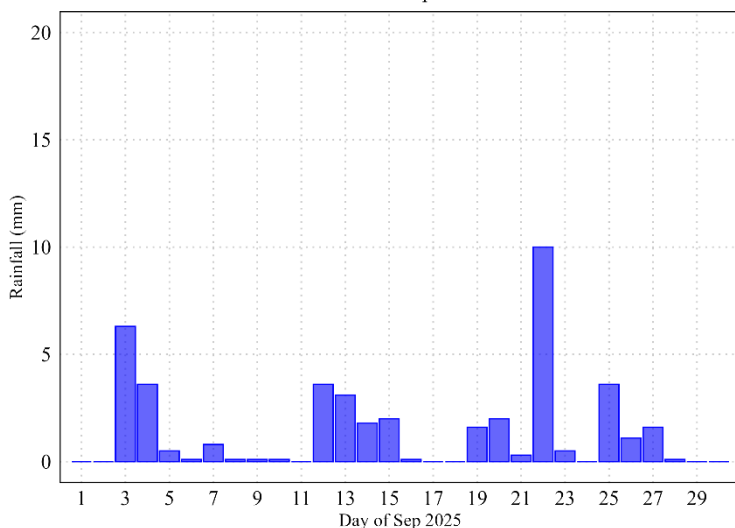
E-mail: info@meteo.sc Web: www.meteo.sc**MONTHLY CLIMATE BULLETIN****SMA/CLI/FM/011****Created by : T. Nomenjanahary****Revision Number : 0 (NEW)****Page 5 of 8**

Relative humidity during September ranged from 71% to 89%. The monthly mean relative humidity is 82%, slightly above the 1991–2020 climatological average. The lowest value was recorded on 2nd September, and the highest on 4th September.

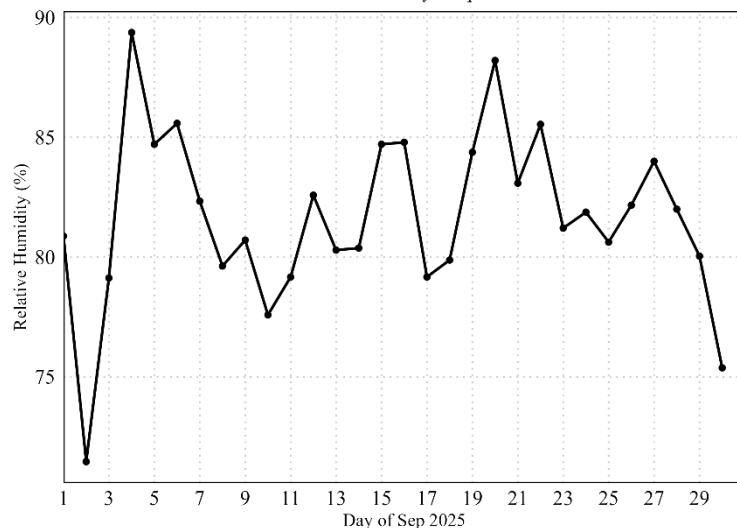
Maximum temperatures ranged between 28.7°C and 30.4°C. The highest daily maximum of 30.4°C was recorded on two consecutive days (19th and 20th September), while the lowest maximum occurred on 2nd, 3rd, and 4th September. The monthly average maximum temperature was 29.4°C, near the climatological normal. Maximum temperature increased gradually from the period of lowest values to the day of the highest temperature, then varied between 30.4°C and 29.4°C from 20th September to the end of the month.

Minimum temperatures ranged from 23.7°C to 25.6°C. The lowest values were observed on 14th and 15th September, and the highest on 21st September. The monthly mean minimum temperature was 24.6°C, close to the climatological normal.

Rainfall - Sep 2025

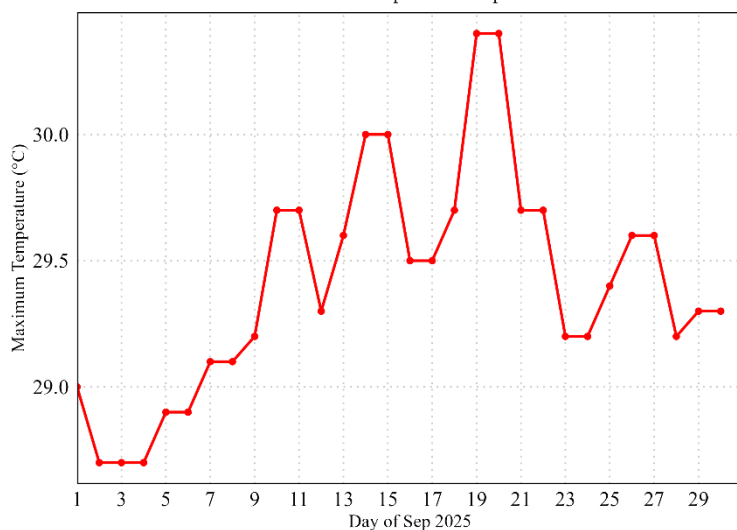


Relative Humidity - Sep 2025





Maximum Temperature - Sep 2025



Minimum Temperature - Sep 2025

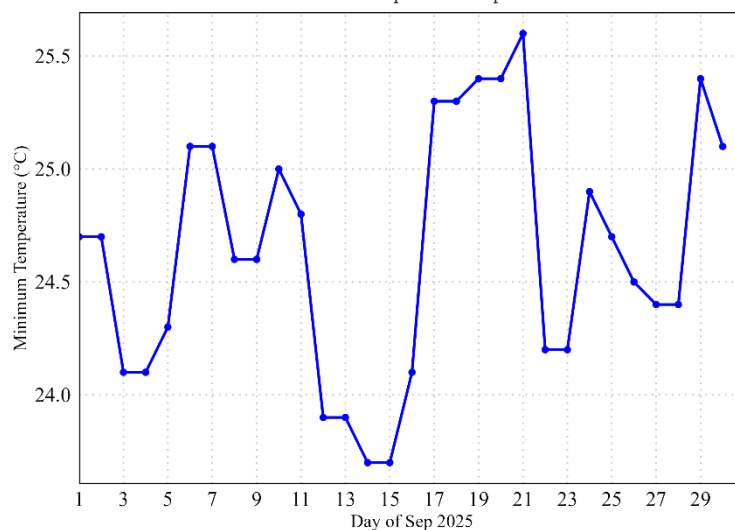


Figure 6: Daily rainfall, Relative humidity, Maximum temperature, Minimum temperature in September 2025

4.2. Daily Sunshine hours, Mean Sea level pressure and surface wind in September 2025

In September 2025, wind speeds at Seychelles International Airport ranged from 4.5 to 16.2 knots. The highest daily average wind speed was recorded on 22nd September. On the same day, the strongest wind gust reached 38 knots. Between 17th and 24th September, daily average wind speeds consistently exceeded 10 knots. The monthly mean wind speed was 10.6 knots, slightly below the climatological normal of 11 knots for September.

The mean sea-level pressure ranged between 1010.6 hPa and 1013.8 hPa, with a monthly average of 1012.3 hPa.

The average daily sunshine duration in September 2025 was 7.6 hours, slightly above the climatological value of 7.0 hours. The highest sunshine duration (10.4 hours) was recorded on 2nd September, while less than 4 hours of sunshine were observed on 4th and 22nd September.

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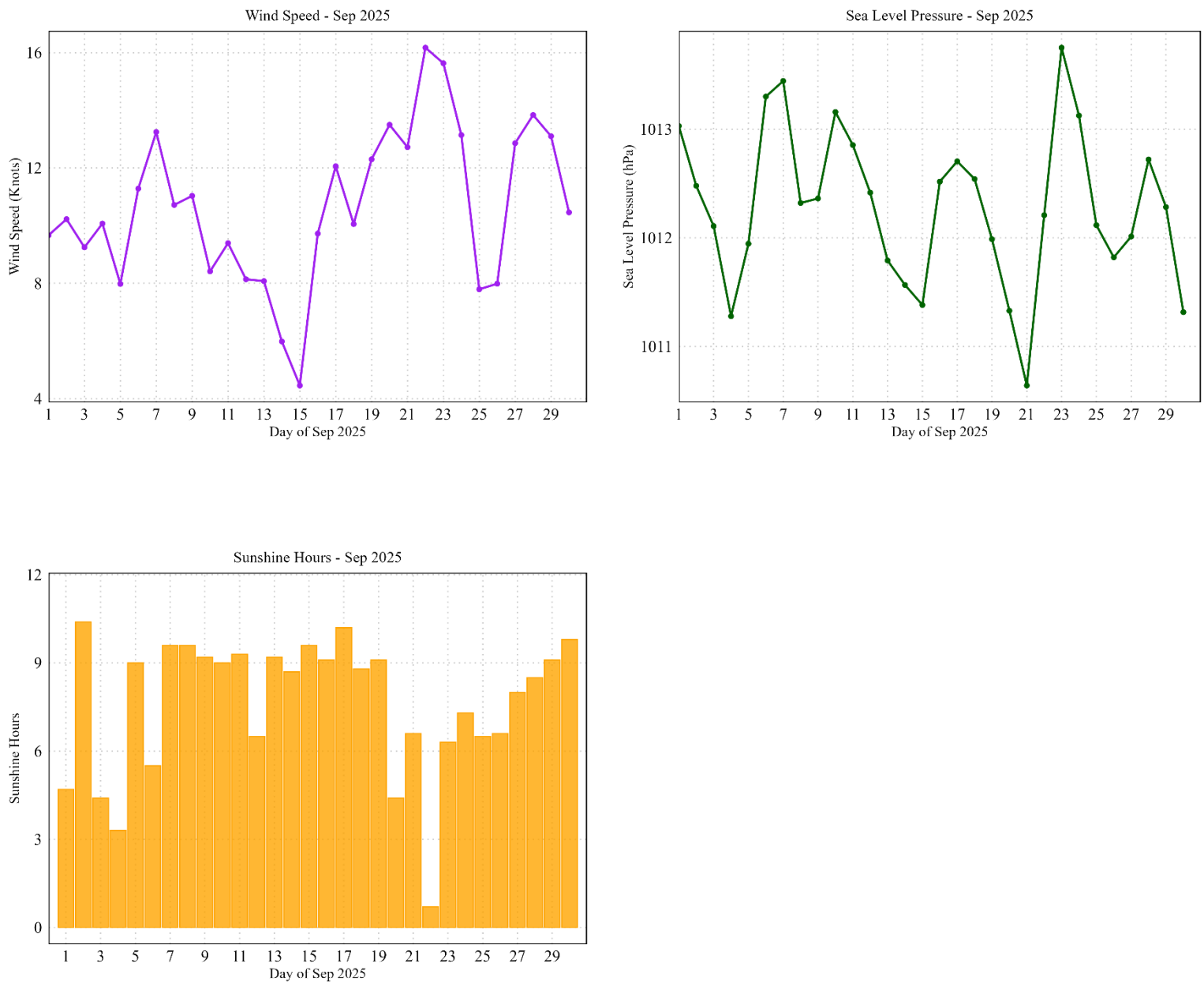


Figure 7: Daily Wind speed, Sea Level pressure, sunshine hours in September 2025



4.3. Wind Pattern in September 2025

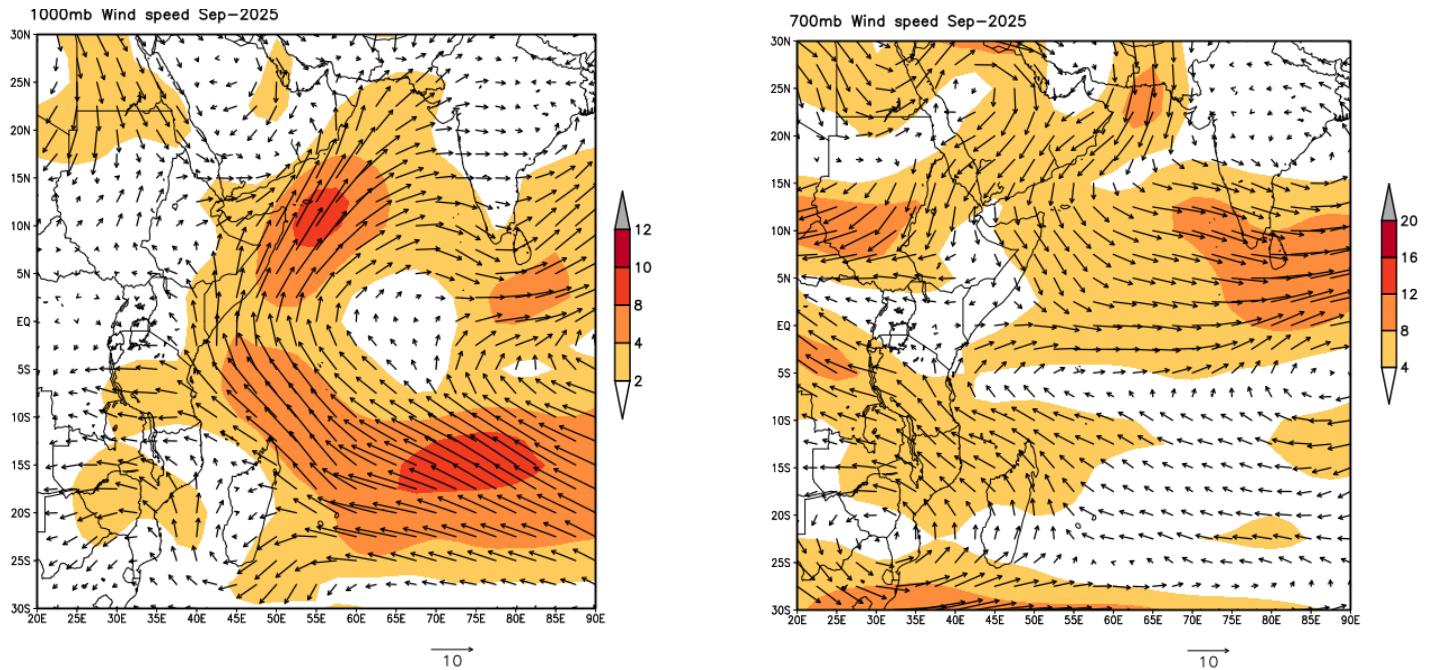


Figure 8: Surface wind flow (left) and wind flow at 700mb (right)

Figure 8 presents the wind vector fields at 1000 hPa and 700 hPa over the western Indian Ocean for September 2025. The basin is in a winter circulation pattern. The month is characterized by a dominant south-easterly low-level flow over Mahe, Praslin, and La Digue.

At 1000 hPa, winds over the western side of Mahe ranged from 4 to 8 m.s⁻¹, whereas winds of 0 to 4 m.s⁻¹ prevailed to the east. In September, the center of the Mascarene High was positioned between 26°S-33°S and 61°E-97°E, with a central pressure of approximately 1024 hPa.

At 700 hPa, winds remained predominantly westerly over Mahe, Praslin, and La Digue, with speeds also ranging from 0 to 4 m.s⁻¹.