

SWIOCOF – 14a

SEYCHELLES forecast verification

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Regional Forum for South-West Indian Ocean countries

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- Mauritius -

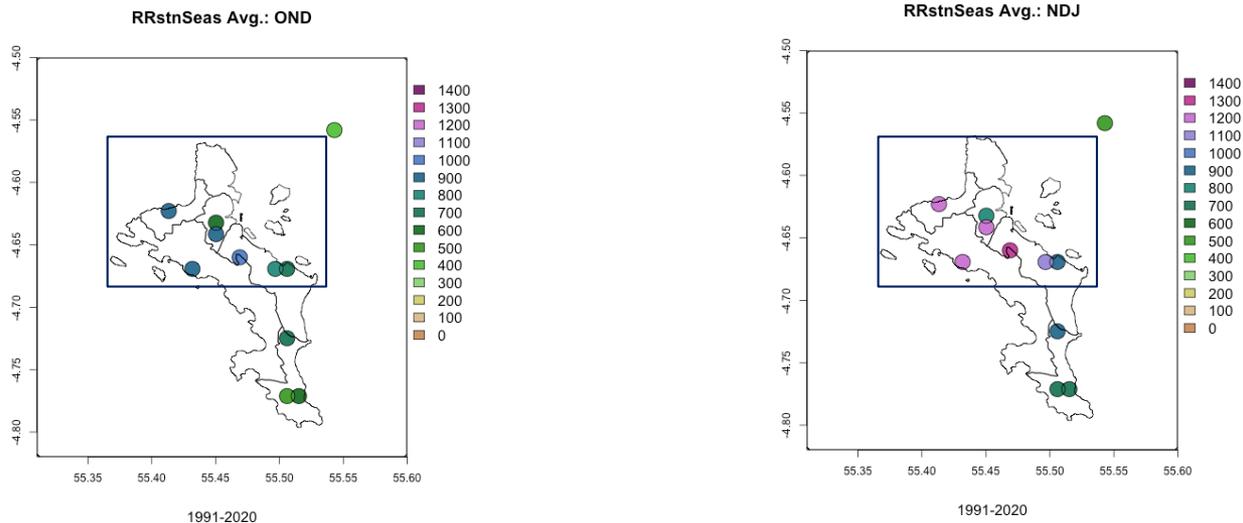
SWIOCOF-14 : SEYCHELLES forecast verification

Seasonal forecasts for OND 2024 and NDJ 2024 were initially issued during SWIOCOF-13. Monthly updates of the issued forecasts were carried out using the SeaFords.

The forecasts are based on outputs from three global climate models (MF, ECMWF, NCEP) as well as rainfall station data from SMA.

The forecast products are then verified against observed rainfall and mean temperature data recorded by SMA.

Climatology of rainfall during OND / NDJ



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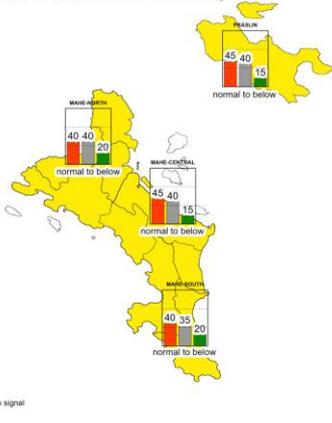
Verification of the rainfall forecast issued in 2024/09 – covering the period : OND 2024 – NDJ 2024

Forecast

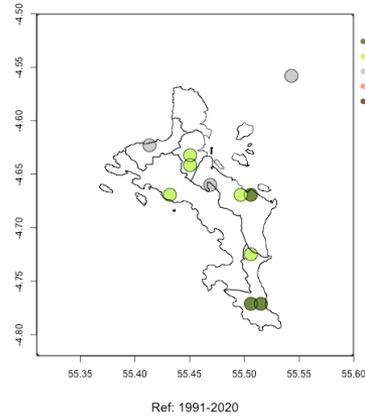
Observation

Score

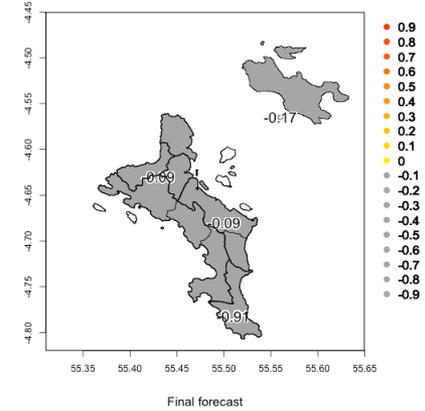
Rainfall Seasonal forecast - OND 2024



RRstnSeas quintile class: OND 2024

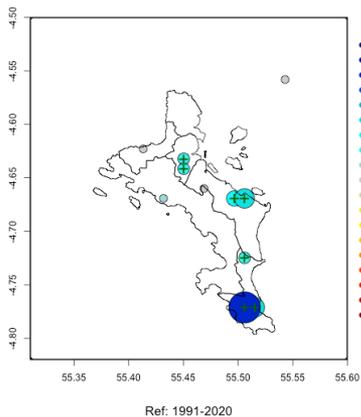


Score RPSS: RR OND-2024 It2

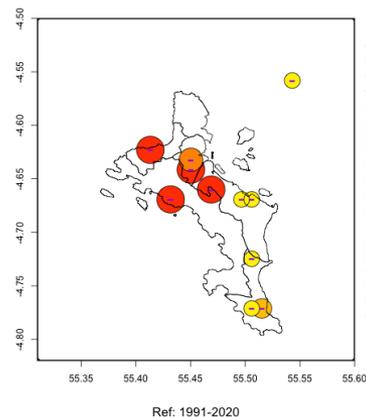


Observed rainfall for OND 2024 – Oct 2024 – Nov 2024 – Dec 2024

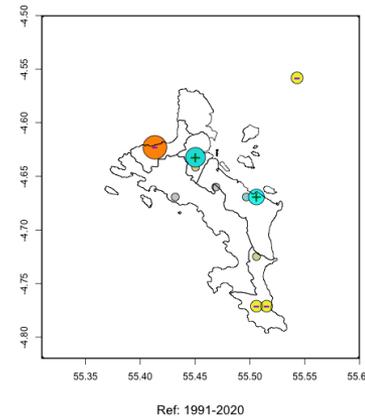
RRstnSeas Std. Anom.: OND 2024



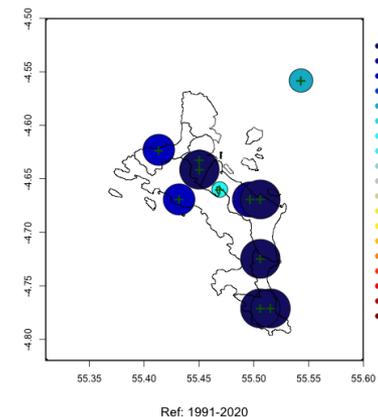
RRstnMon Std. Anom.: October 2024



RRstnMon Std. Anom.: November 2024



RRstnMon Std. Anom.: December 2024



SWIOCOF-14 : SEYCHELLES forecast verification

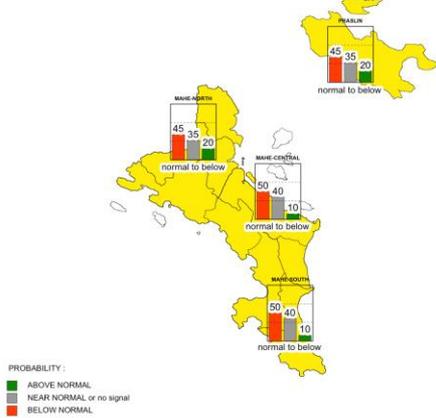
Verification of the rainfall forecast issued in 2024/09 – covering the period : OND 2024 – NDJ 2024

Forecast

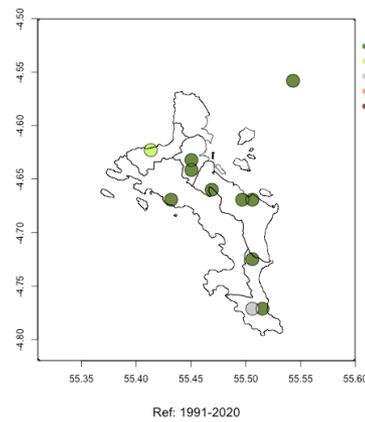
Observation

Score

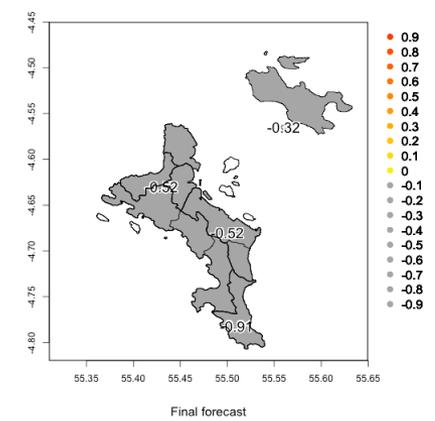
Rainfall Seasonal forecast - NDJ 2024



RRstnSeas quintile class: NDJ 2024

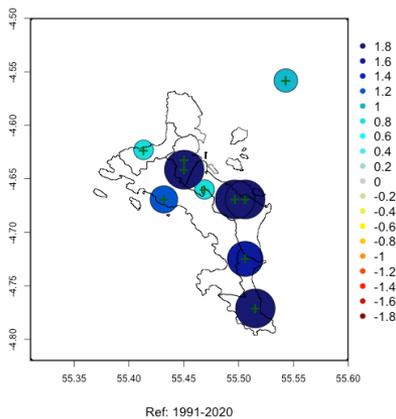


Score RPSS: RR NDJ-2024 It2

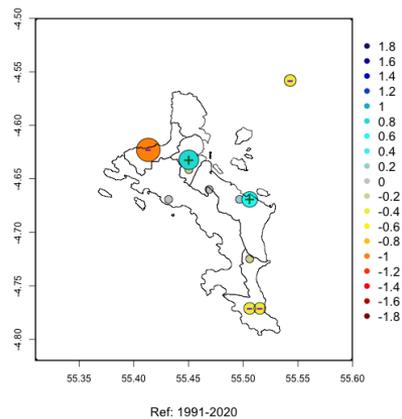


Observed rainfall for OND 2024 — Nov 2024 – Dec 2024 – Jan 2025

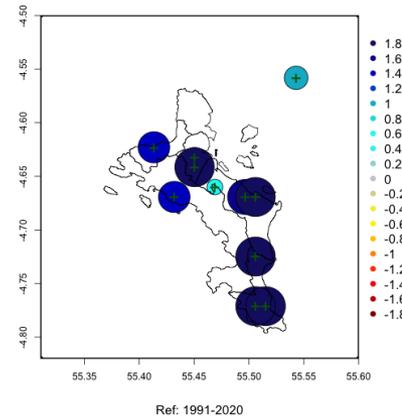
RRstnSeas Std. Anom.: NDJ 2024



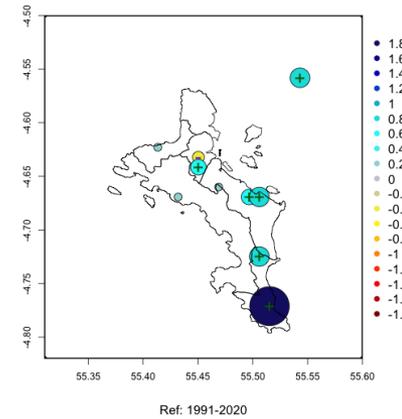
RRstnMon Std. Anom.: November 2024



RRstnMon Std. Anom.: December 2024



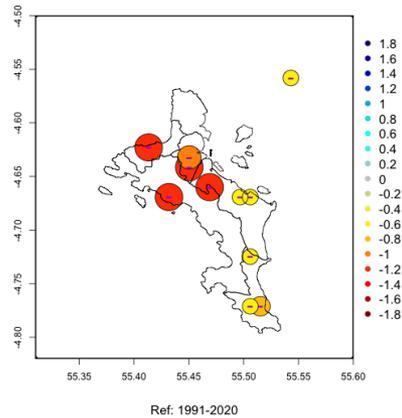
RRstnMon Std. Anom.: January 2025



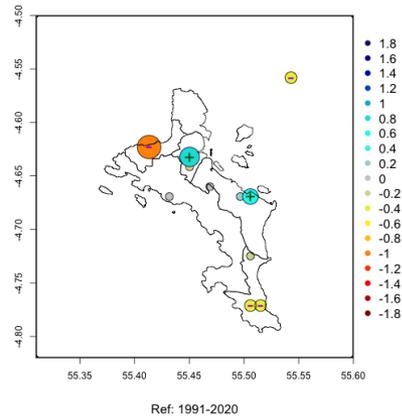
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Rainfall status from October 2024 to April 2025

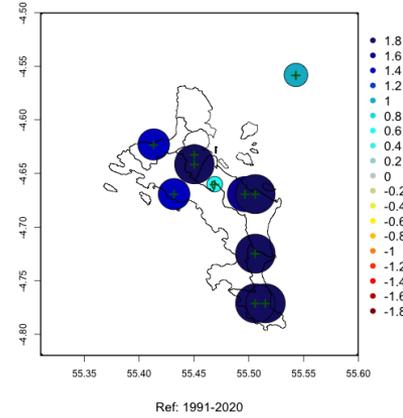
RRstnMon Std. Anom.: October 2024



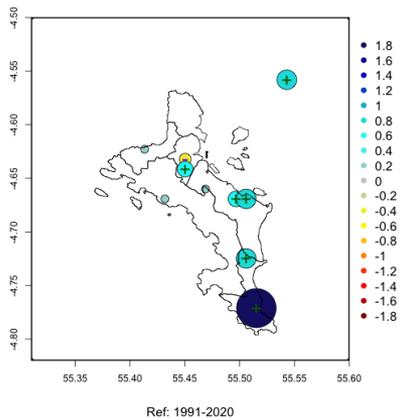
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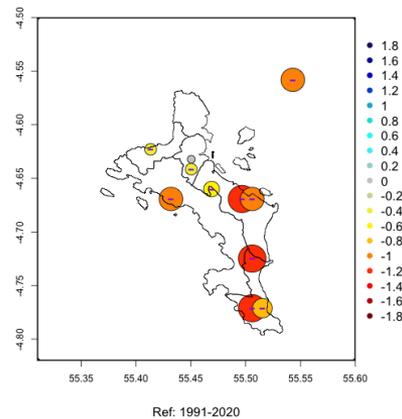
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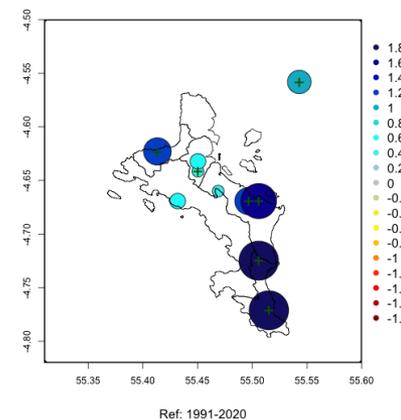
RRstnMon Std. Anom.: January 2025



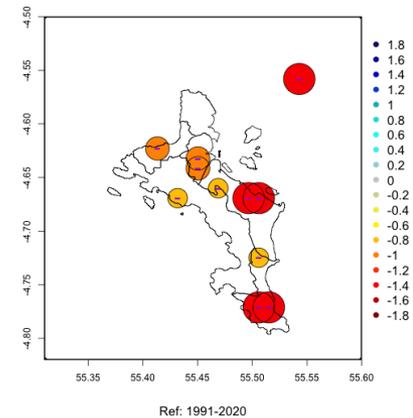
RRstnMon Std. Anom.: February 2025



RRstnMon Std. Anom.: March 2025



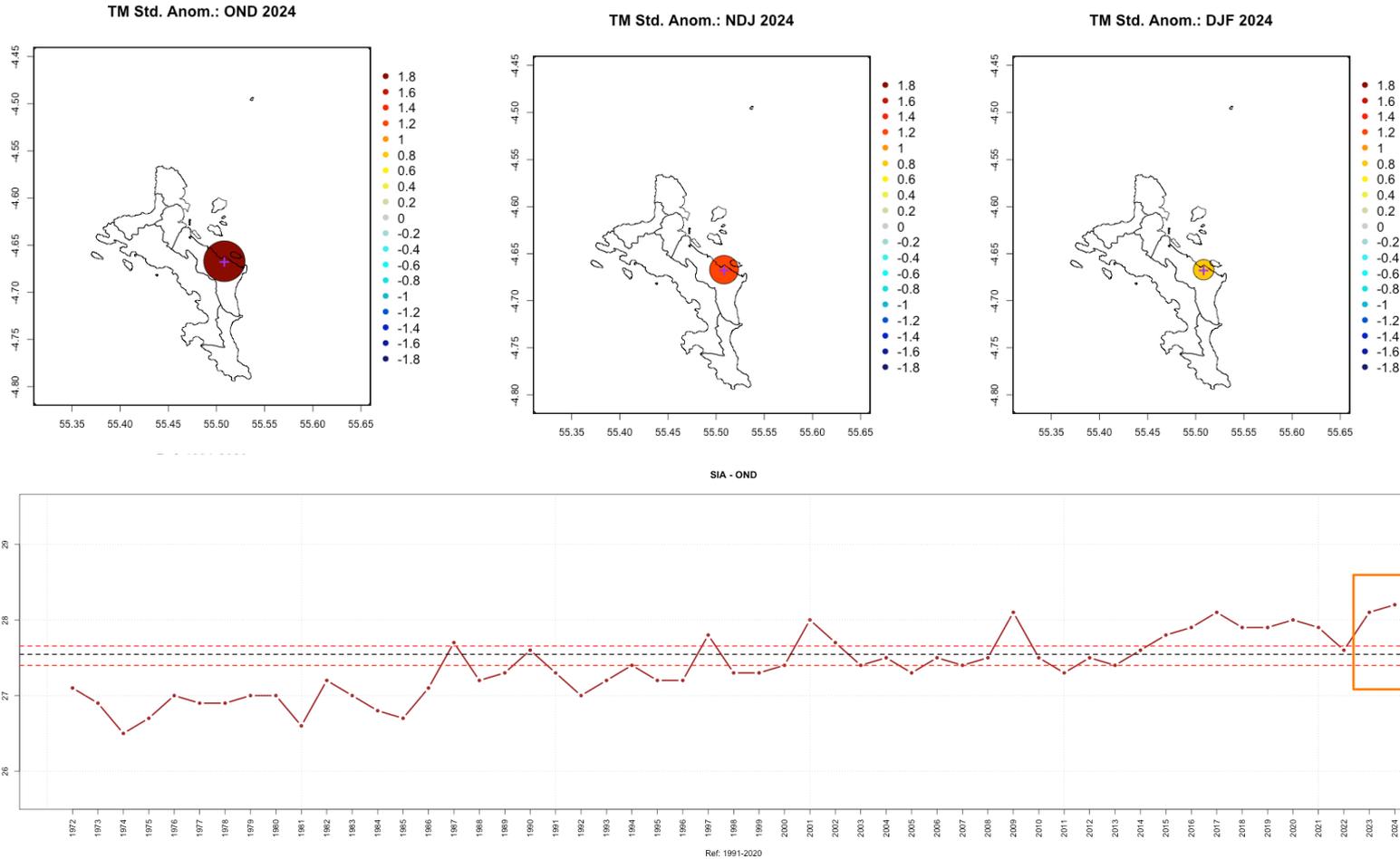
RRstnMon Std. Anom.: April 2025



- ✓ Rainfall deficits were observed in October 2024, November 2024 (notably in the southern and northwestern regions), February 2025, and April 2025.
- ✓ Positive rainfall anomalies were mainly recorded during December 2024 and March 2025.

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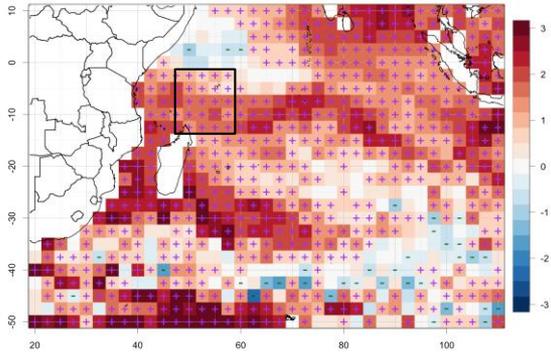
Temperature status



Above-normal mean temperatures were forecasted for the OND 2024 and NDJ 2024–2025 seasons. Observations confirmed that mean temperatures were indeed above normal during both OND and NDJ. For DJF 2024, mean temperatures ranged from normal to above normal. The time series of OND mean temperature reveals an increasing trend throughout the season.

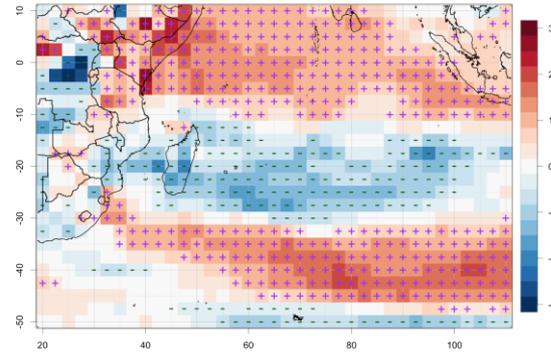
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ERA5 SST Std. Anom. : OND 2024



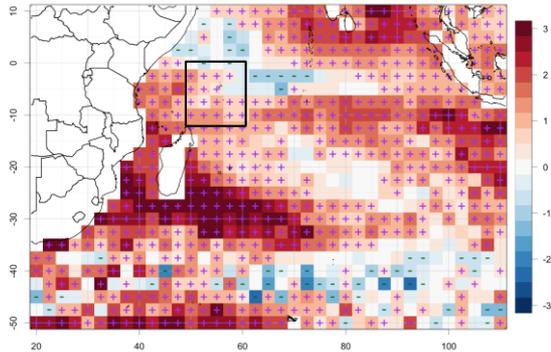
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ERA5 U850 Std. Anom. : OND 2024



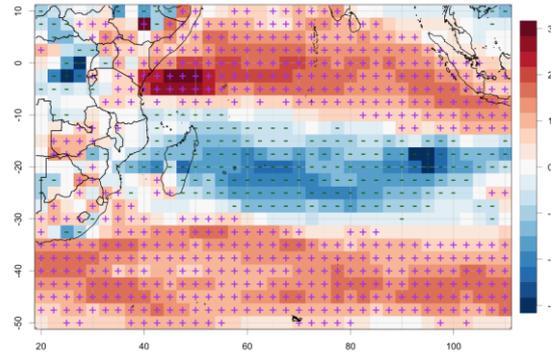
Ref: 1991-2020

ERA5 SST Std. Anom. : NDJ 2024



Ref: 1991-2020

ERA5 U850 Std. Anom. : NDJ 2024



Ref: 1991-2020

Thank you for your attention

