



# CEMADEN

**Centro Nacional de Monitoramento e  
Alertas de Desastres Naturais**

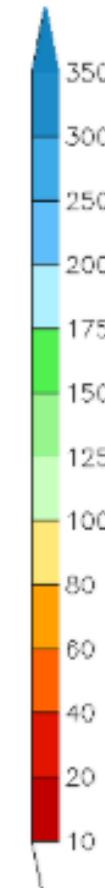
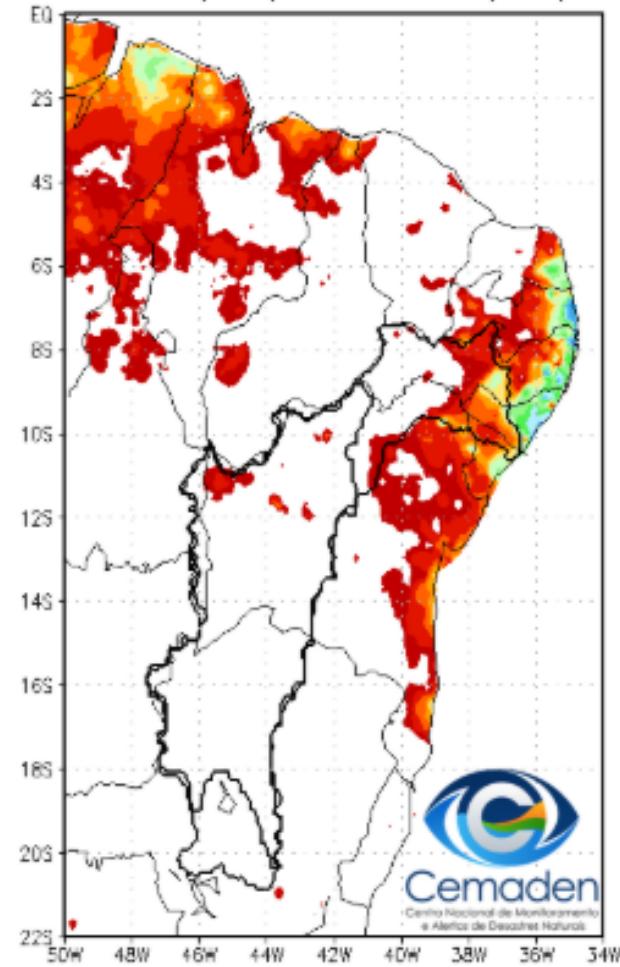
Monitoramento, Previsões  
e Projeções para a  
Bacia do Rio São Francisco

02 de setembro de 2025

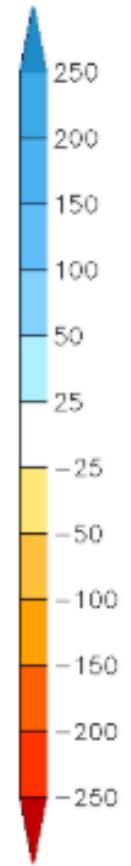
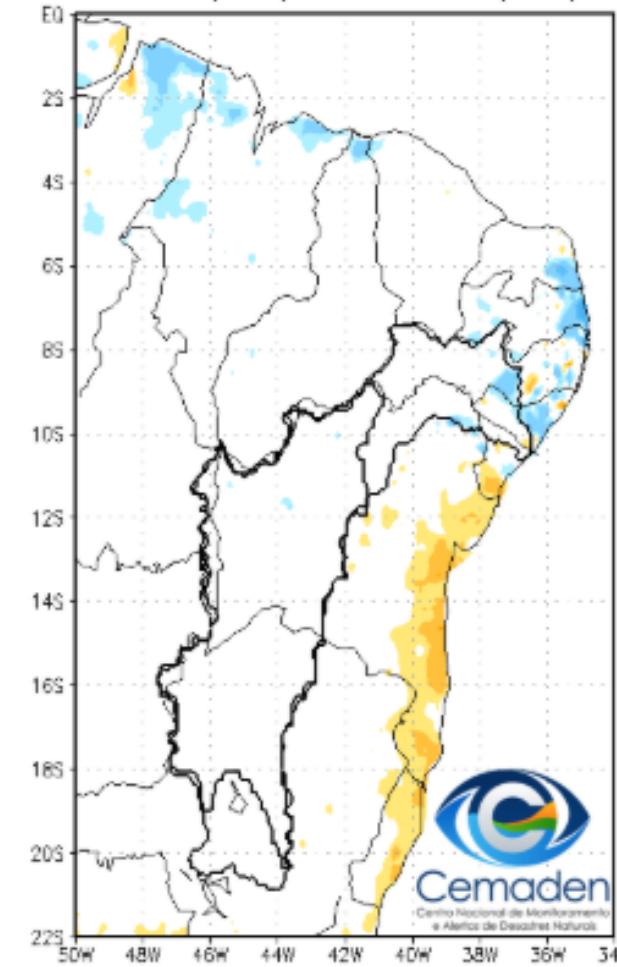


## Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Periodo: 01/08/2025 a 31/08/2025

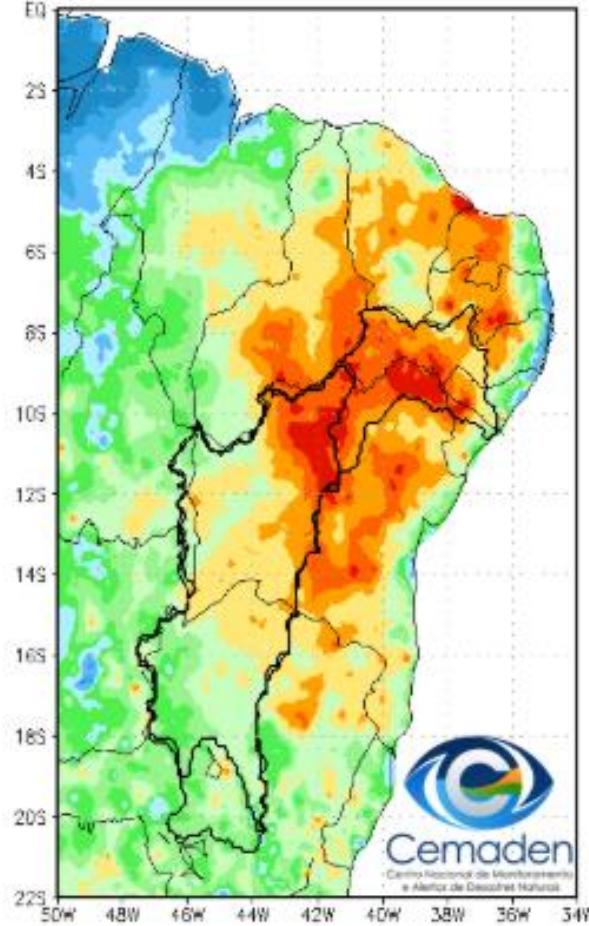


Anomalia de Precipitacao (mm) A.S.  
Periodo: 01/08/2025 a 31/08/2025

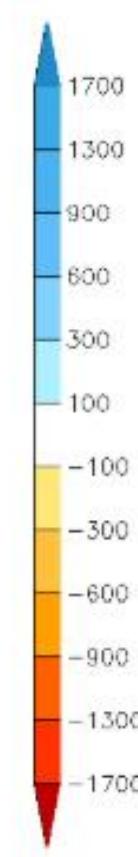
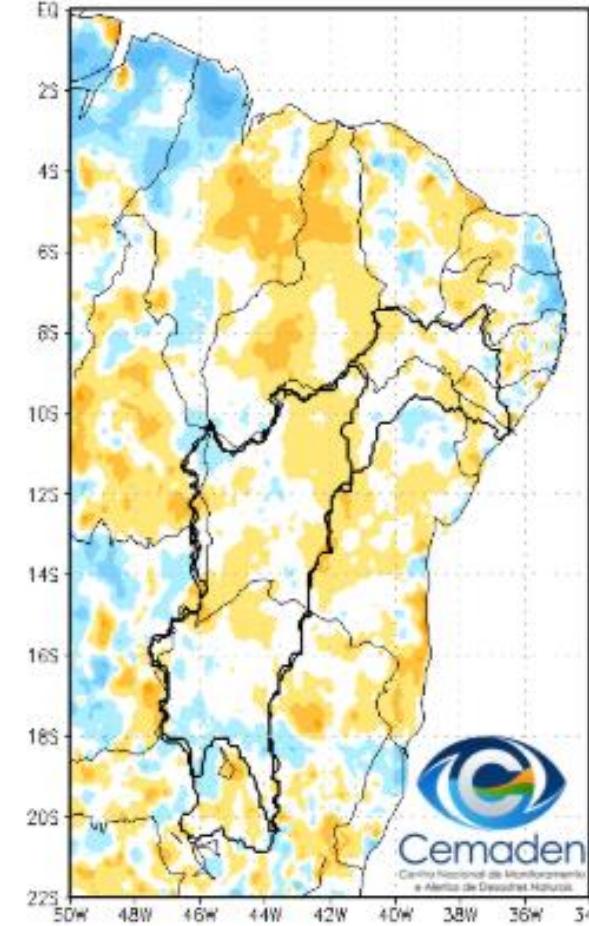


## Chuva no Ano Hidrológico - desde 01/10/2024

Precipitacao Acumulada (mm) A.S.  
Periodo: 01/10/2024 a 31/08/2025

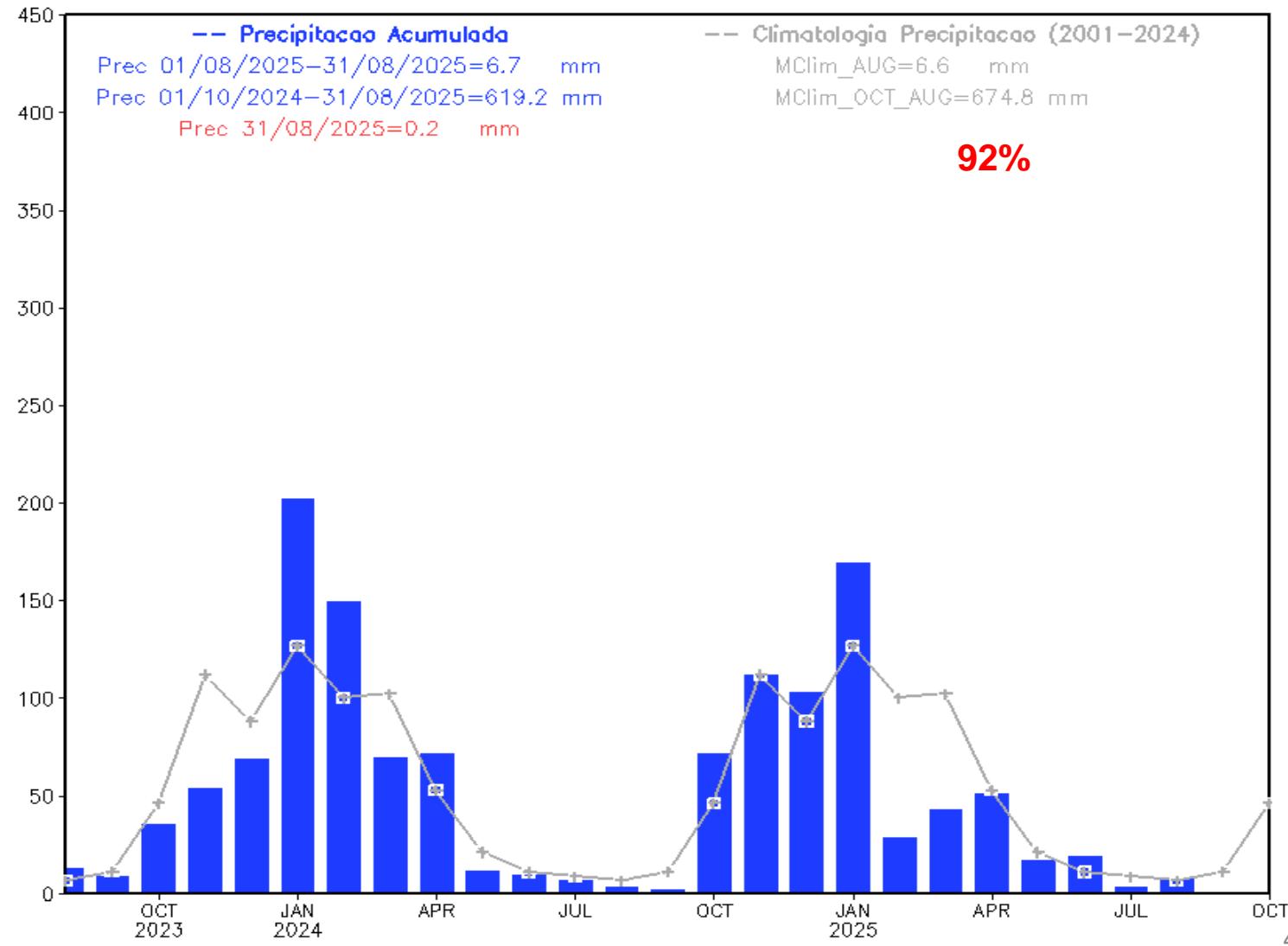


Anomalia de Precipitacao (mm) A.S.  
Periodo: 01/10/2024 a 31/08/2025

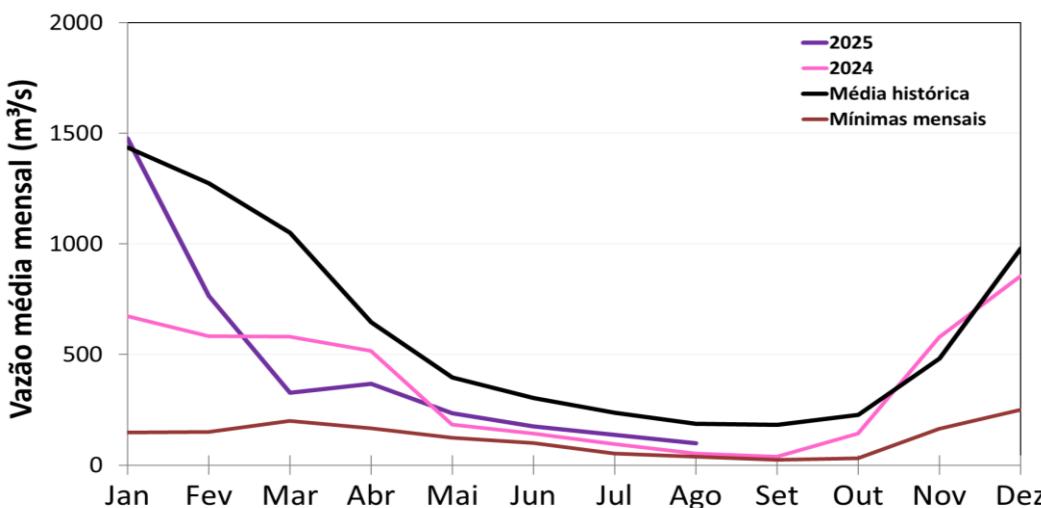
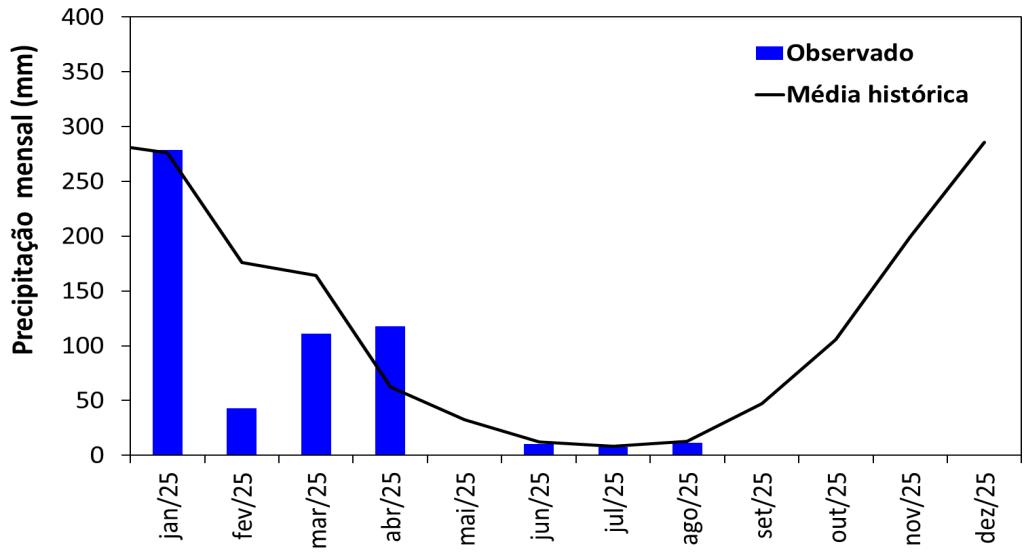


## Chuva dos últimos dois anos

Precipitacao Bacia do Rio Sao\_Francisco  
desde AUG 2023



# Monitoramento UHE Três Marias



MLT: Média de Longo Término (1983-2024)

## Precipitação

### Estação Chuvosa - Out a Mar - 1208 mm

2023/2024: 1057 mm (87% da MLT)

2024/2025: 1124 mm (93% da MLT)

### Estação Seca - Abr a Set - 175 mm

2024: 57 mm (32% da MLT)

2025\*: 148 mm (101% da MLT PARCIAL)

Ago/25\*: 11 mm (89% da MLT)

\*Até 31/08/2025

## Vazão

### Estação Chuvosa - Out a Mar - 908 m³/s

2023/2024: 408 m³/s (45% da MLT)

2024/2025: 691 m³/s (76% da MLT)

### Estação Seca - Abr a Set - 325 m³/s

2024: 172 m³/s (53% da MLT)

2025\*\*: 203 m³/s (62% da MLT)

Ago/25: 98 m³/s (52% da MLT)

31/Ago/25: 82 m³/s (44% da MLT)

\*\*Até 31/08/2025

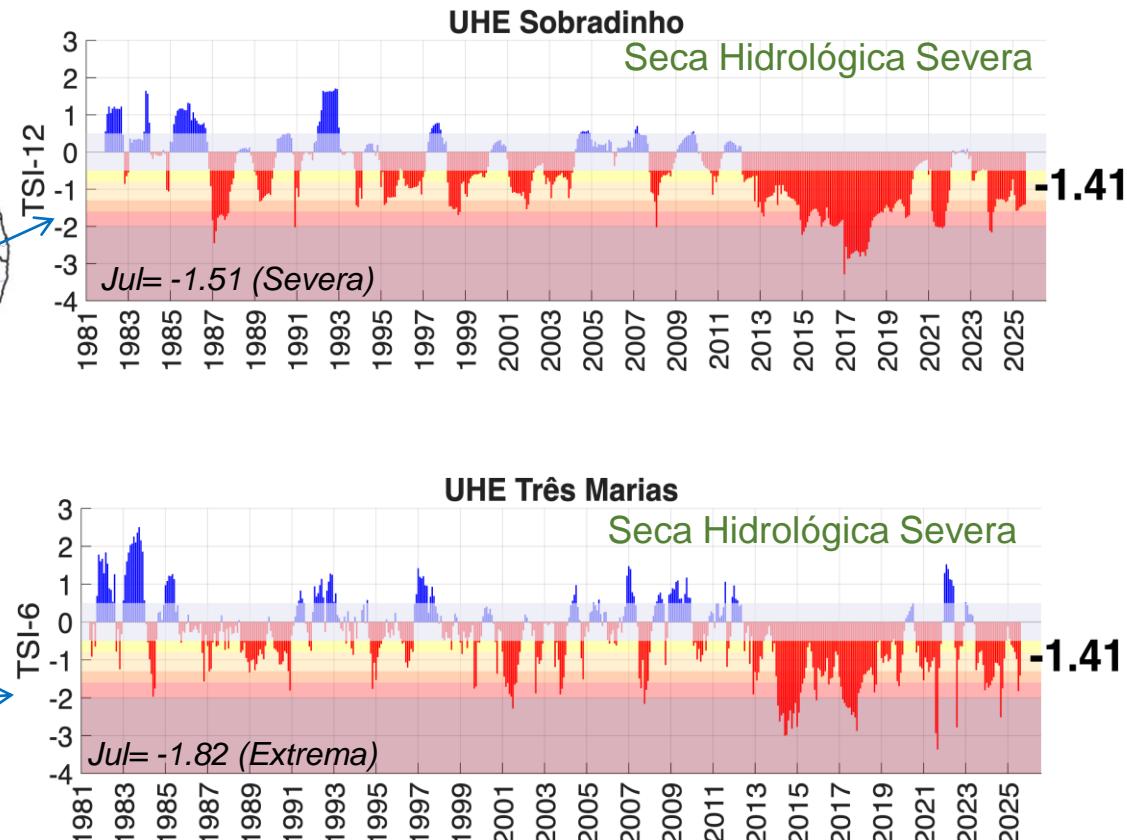
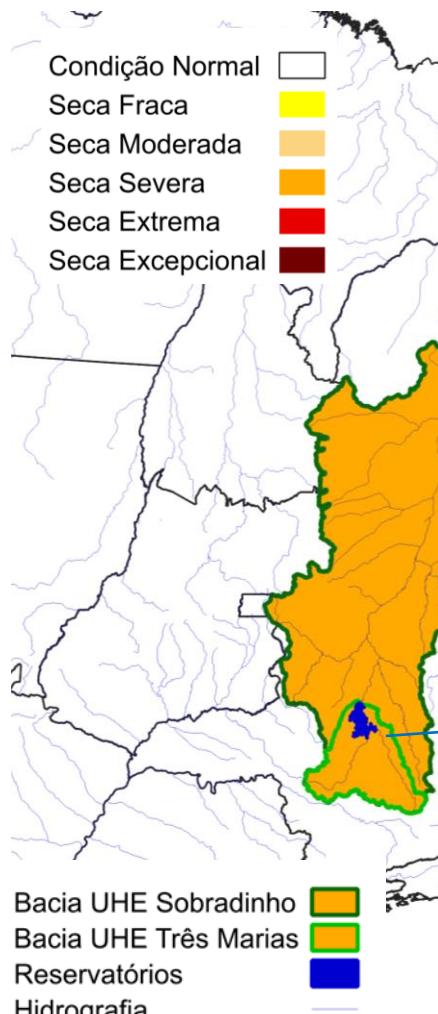
Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

# Monitoramento UHE Três Marias e Sobradinho

## Índice Bivariado de Seca (Chuva-Vazão) – TSI: Longo Prazo

### Agosto/2025

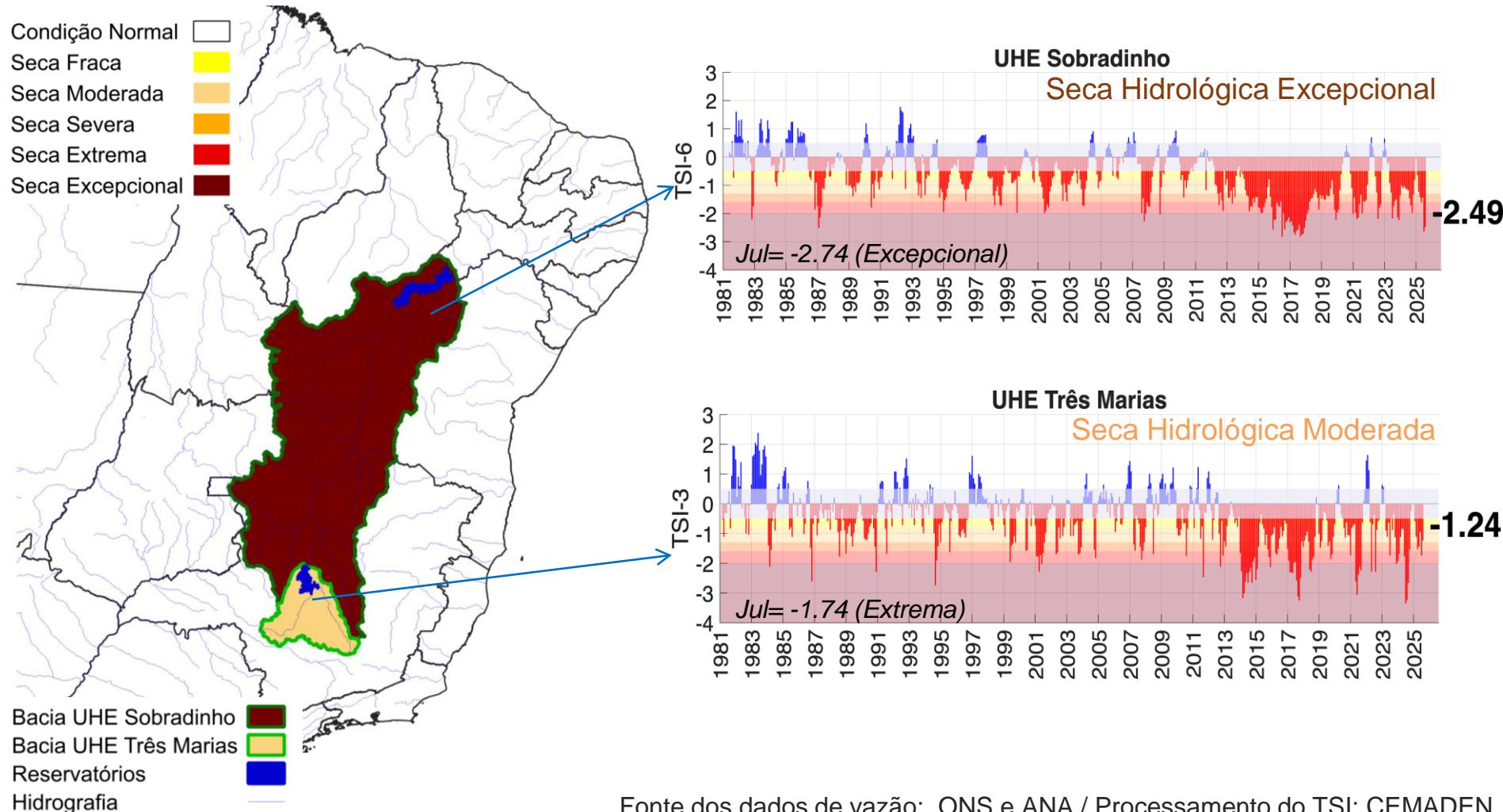


Fonte dos dados de vazão: ONS e ANA / Processamento do TSI: CEMADEN

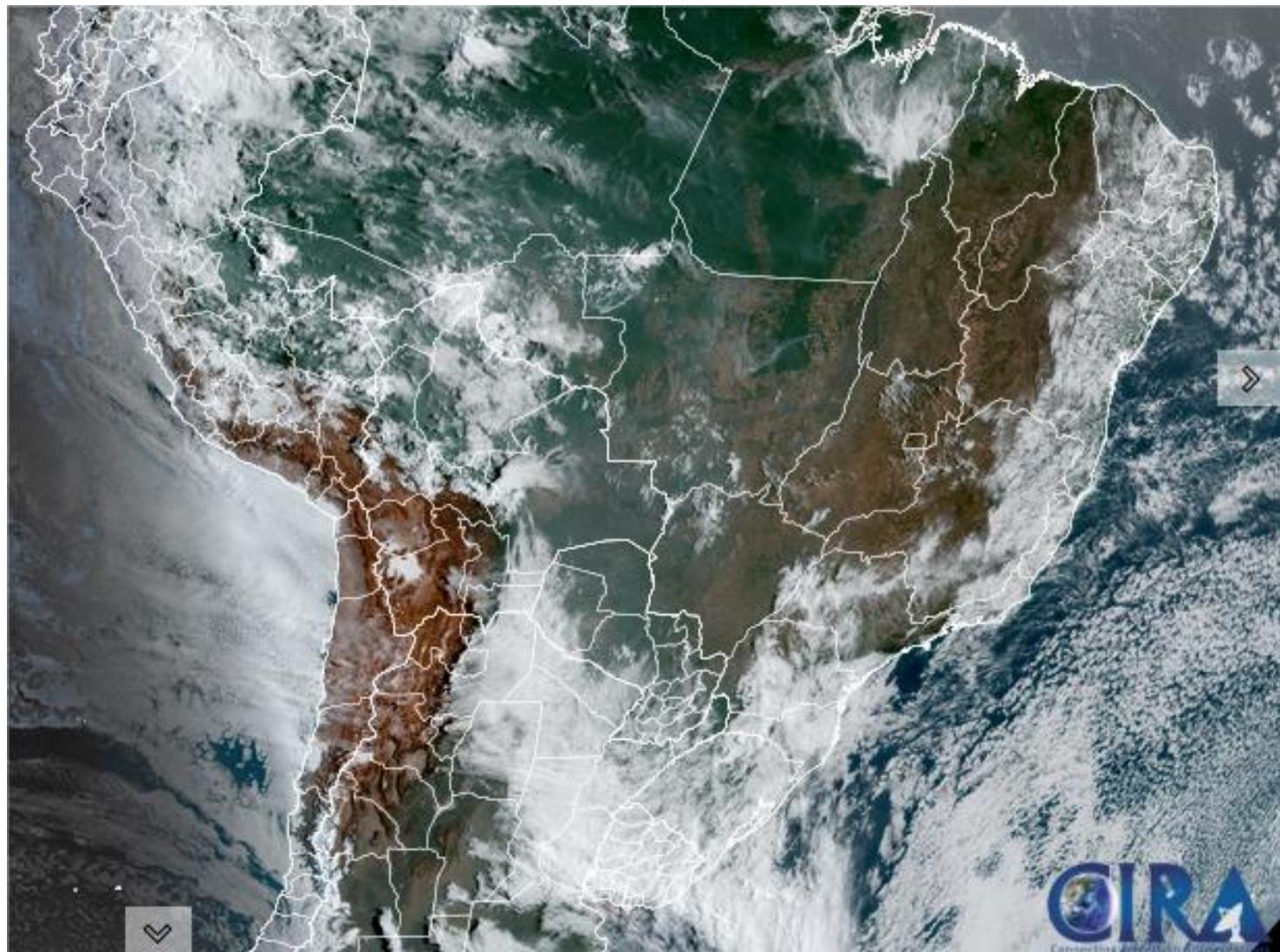
# Monitoramento UHE Três Marias e Sobradinho

## Índice Bivariado de Seca (Chuva-Vazão) – TSI: Curto Prazo

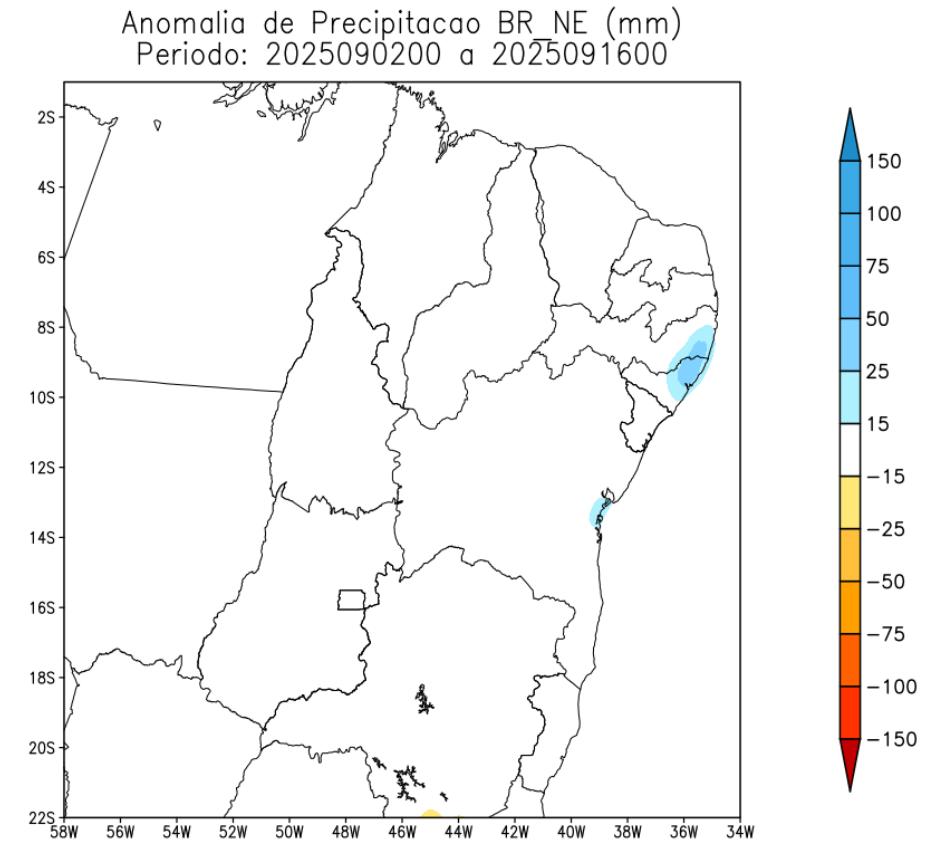
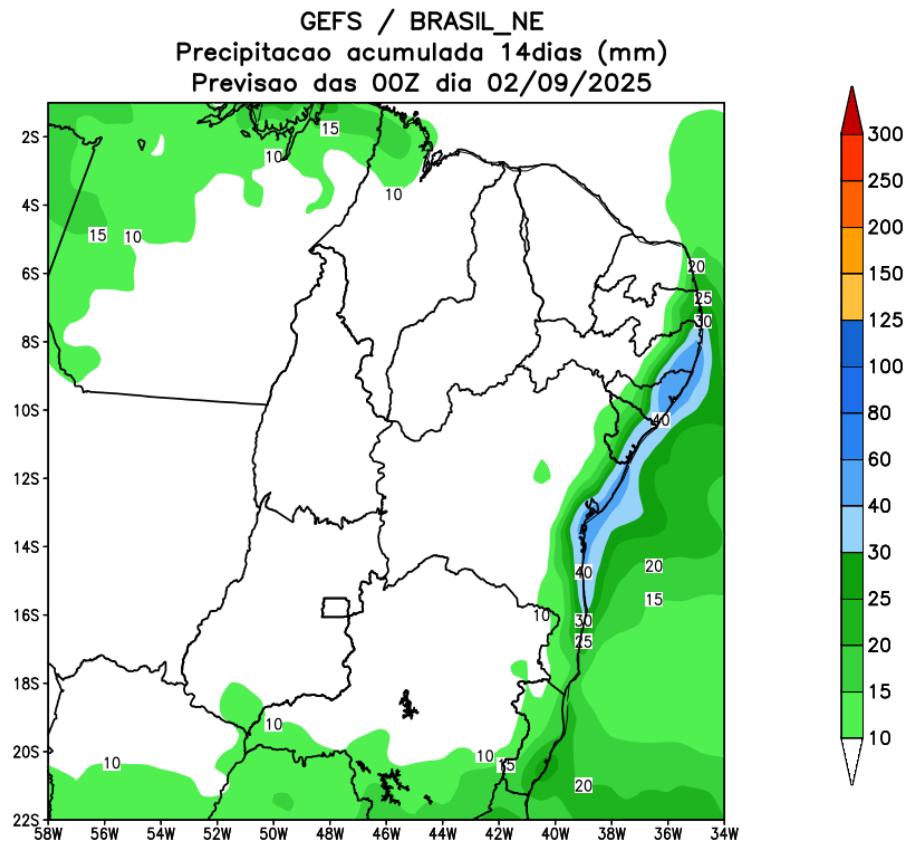
### Agosto/2025



## Situação meteorológica atual

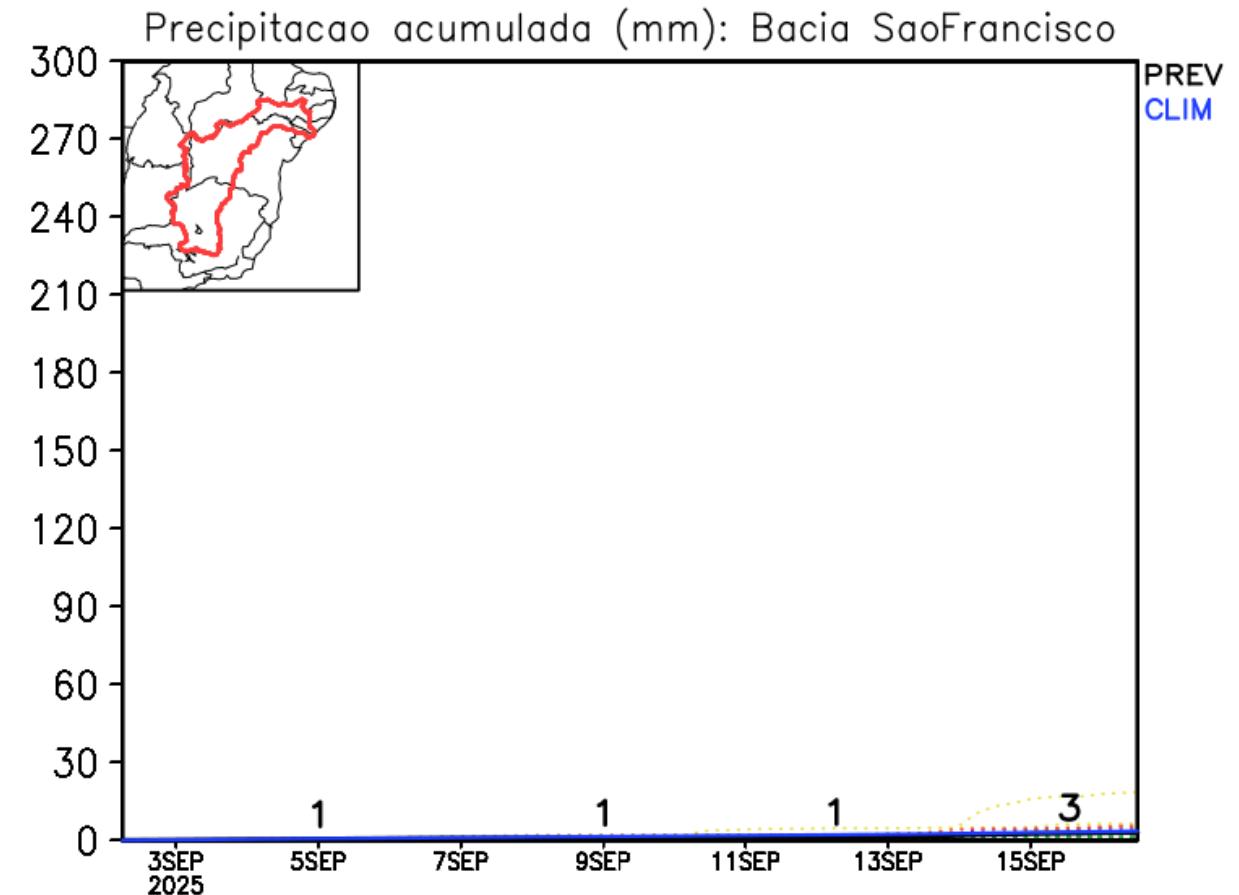
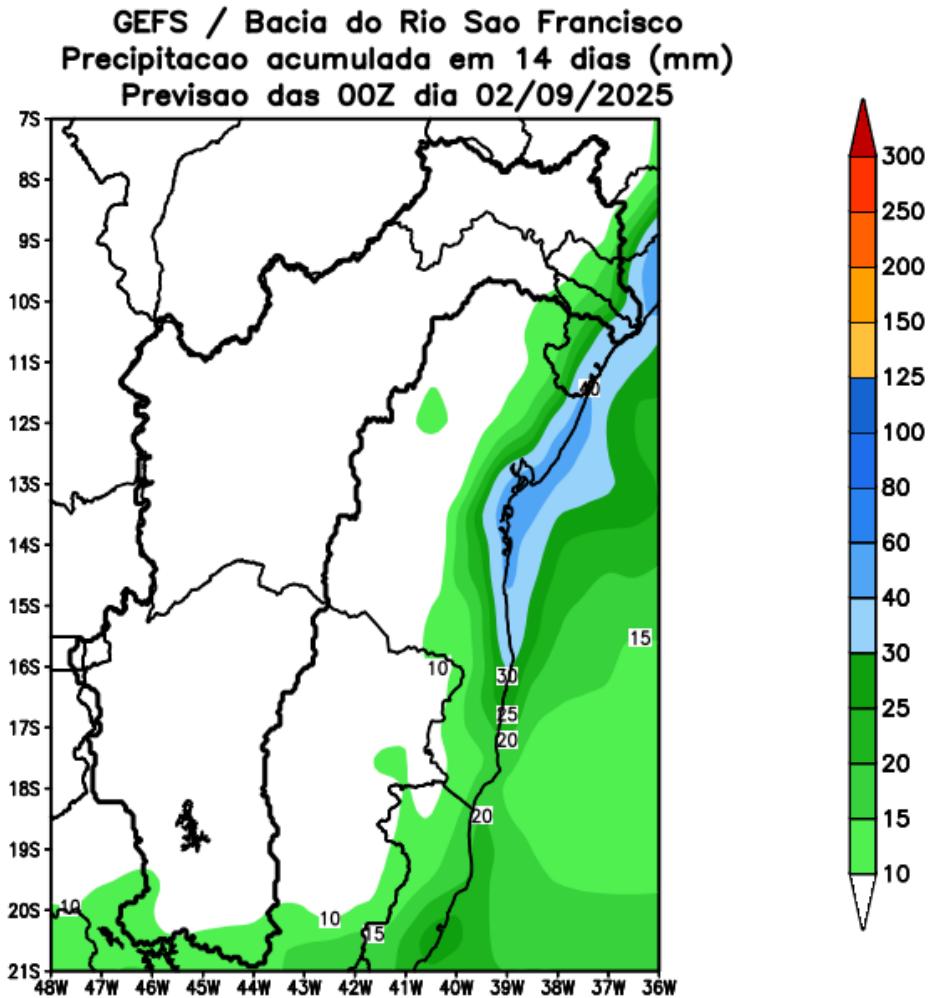


## Tendência para as duas próximas semanas



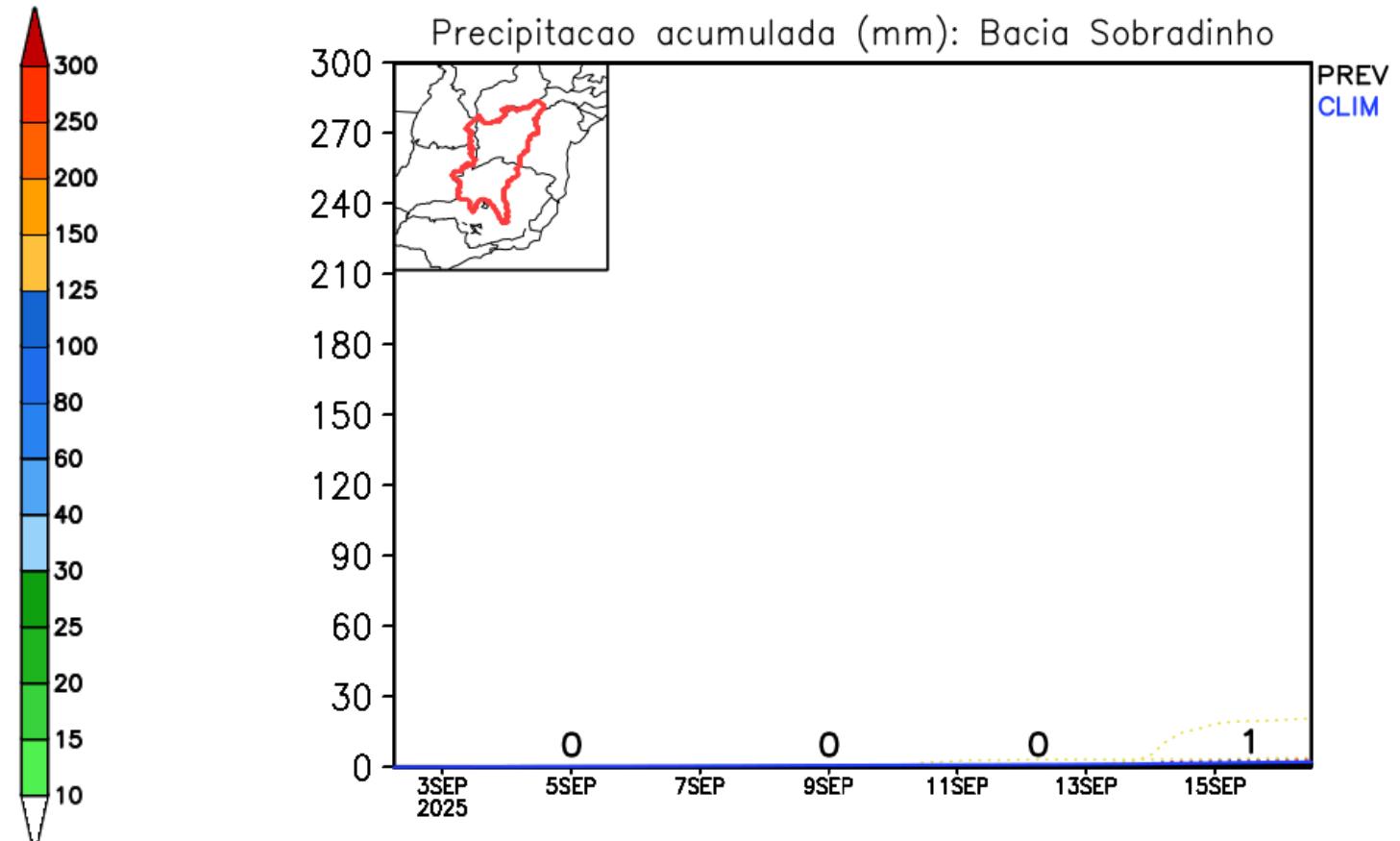
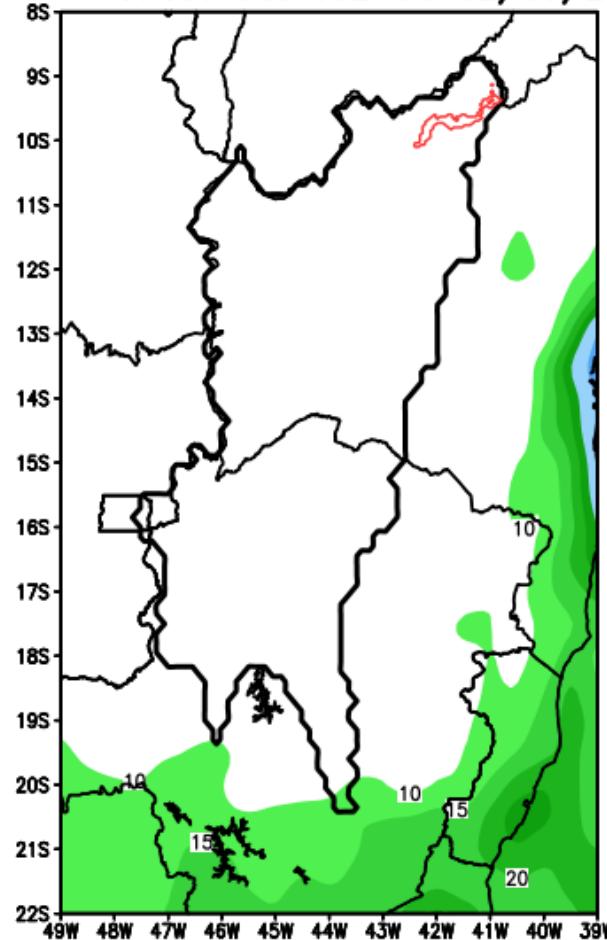
Modelo GFS/NOAA

## Bacia do rio São Francisco

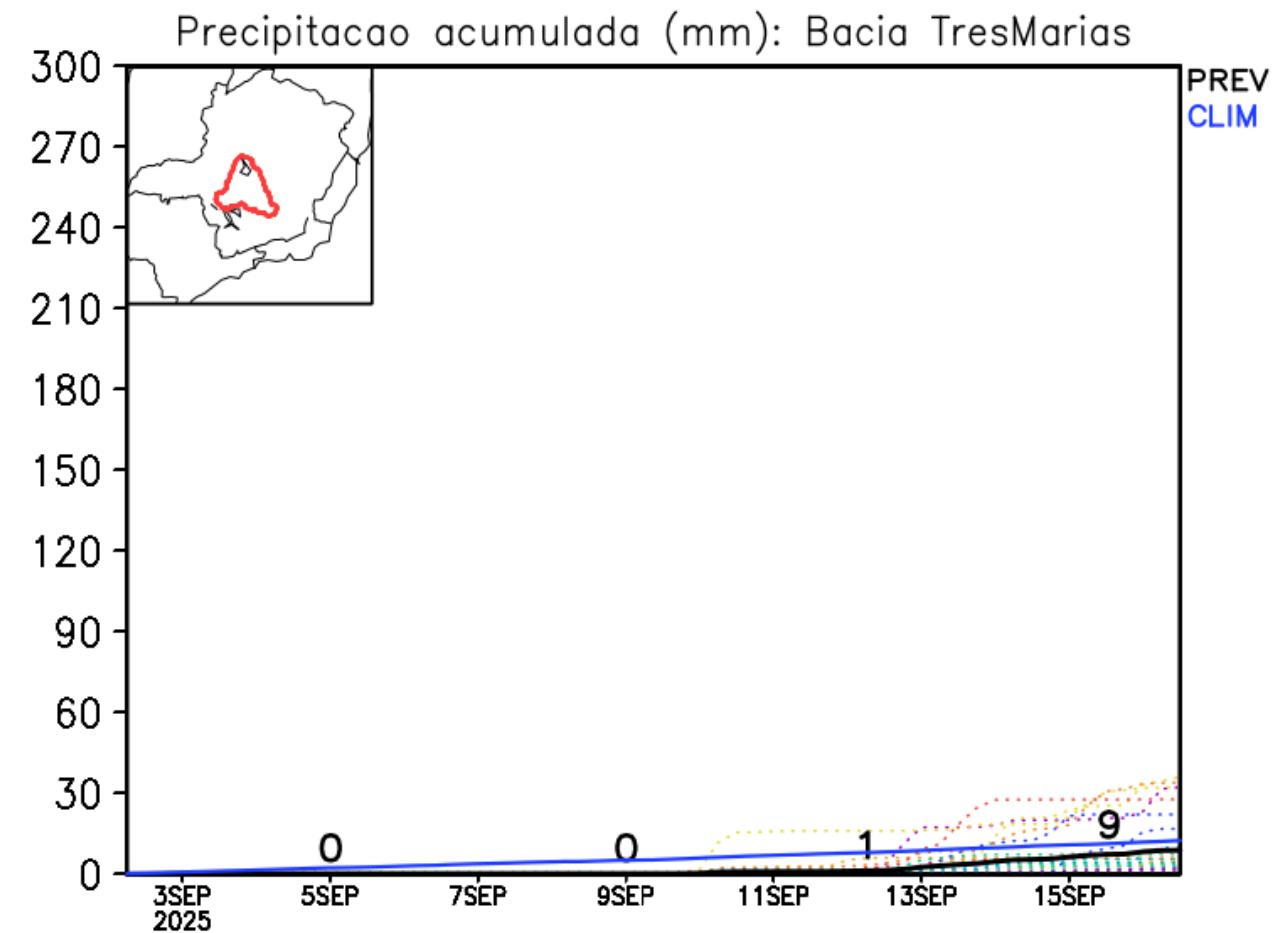
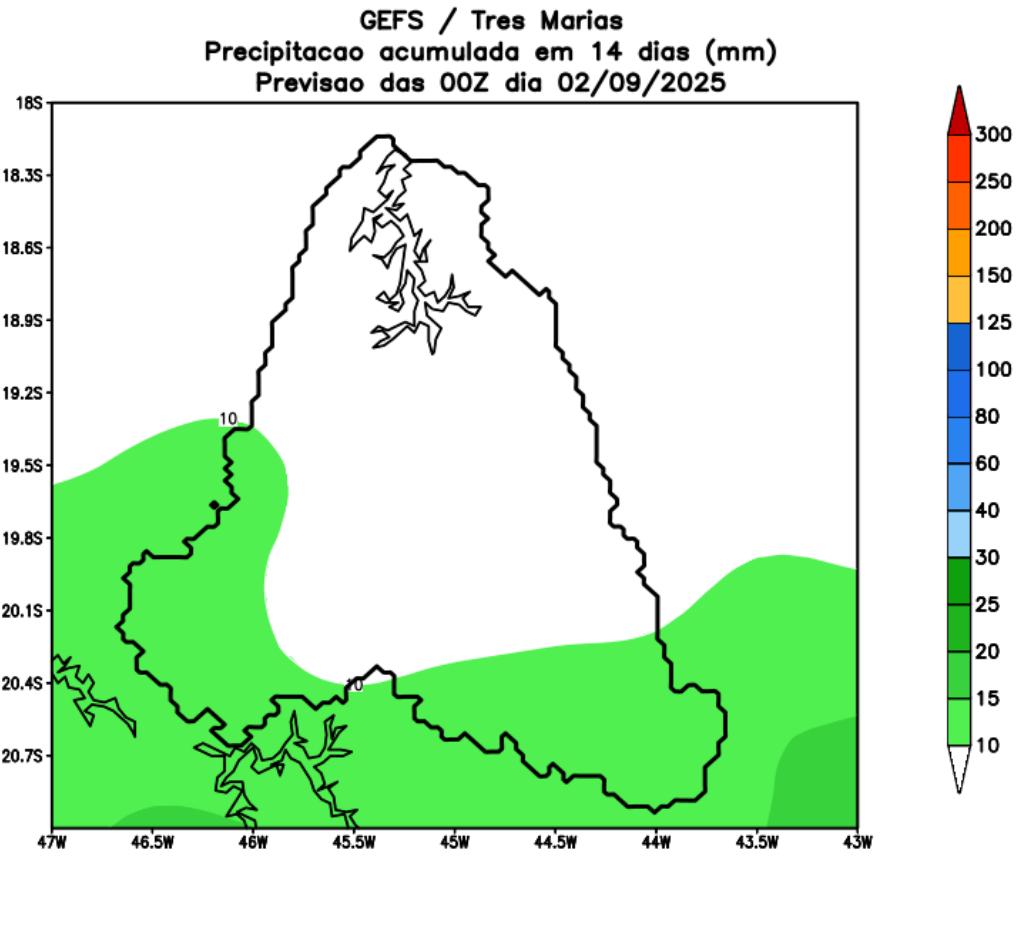


## Bacia de Sobradinho

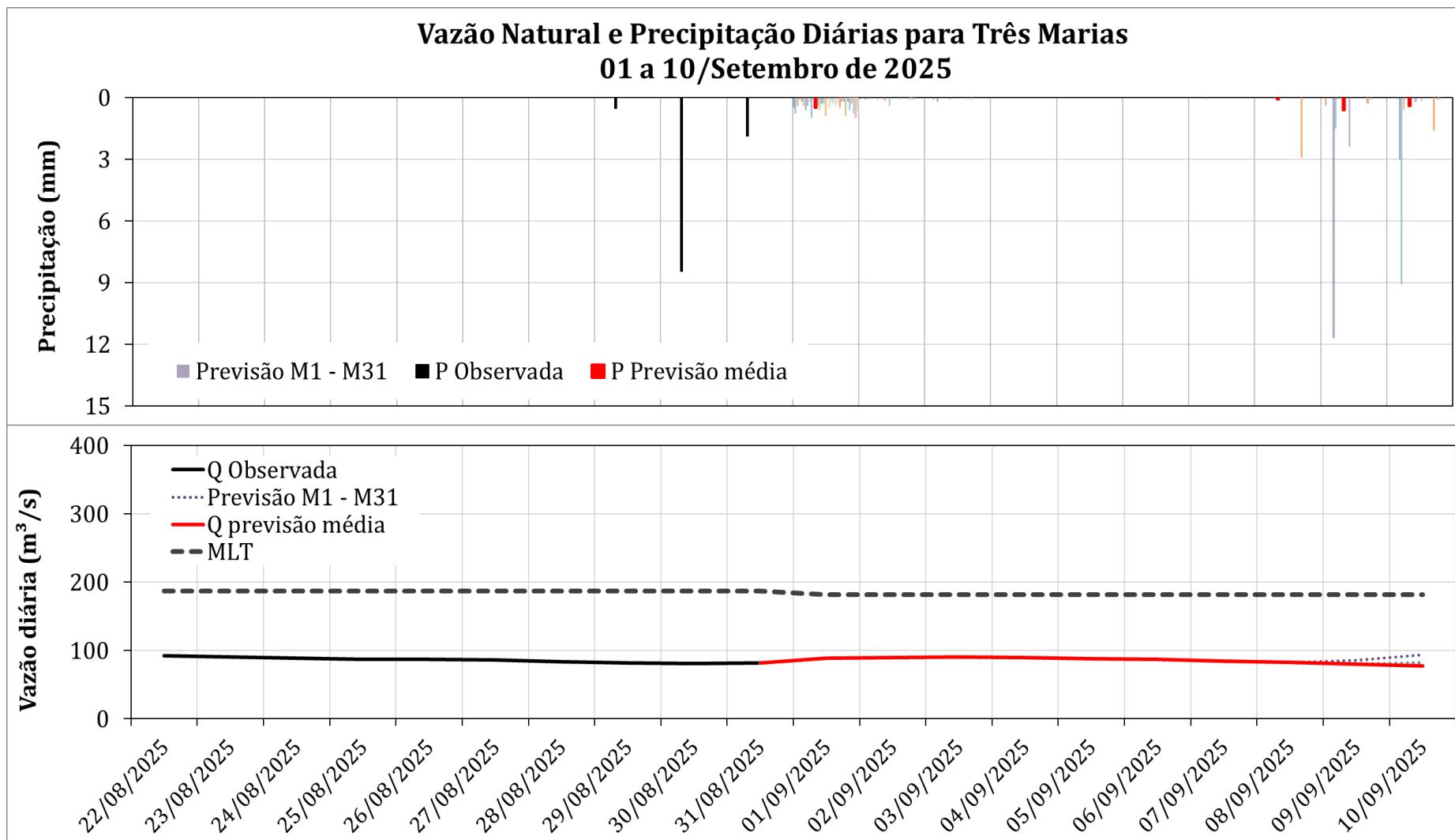
GEFS / Sobradinho  
Precipitacao acumulada em 14 dias (mm)  
Previsao das 00Z dia 02/09/2025

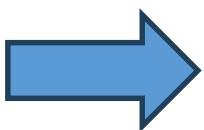


## Bacia de Três Marias



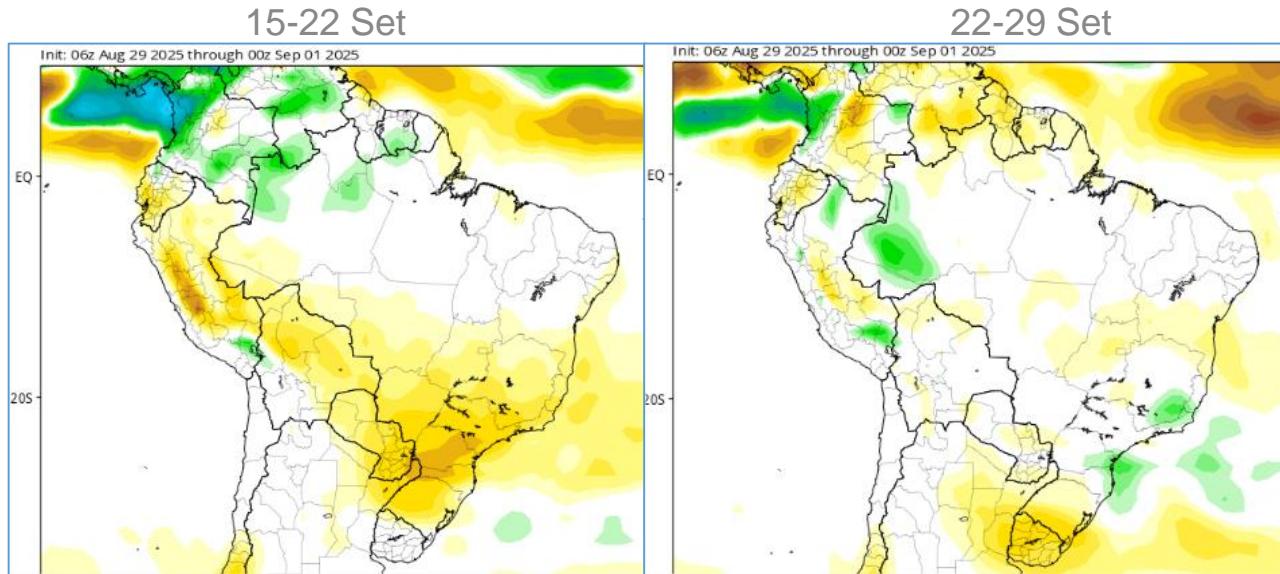
# UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)



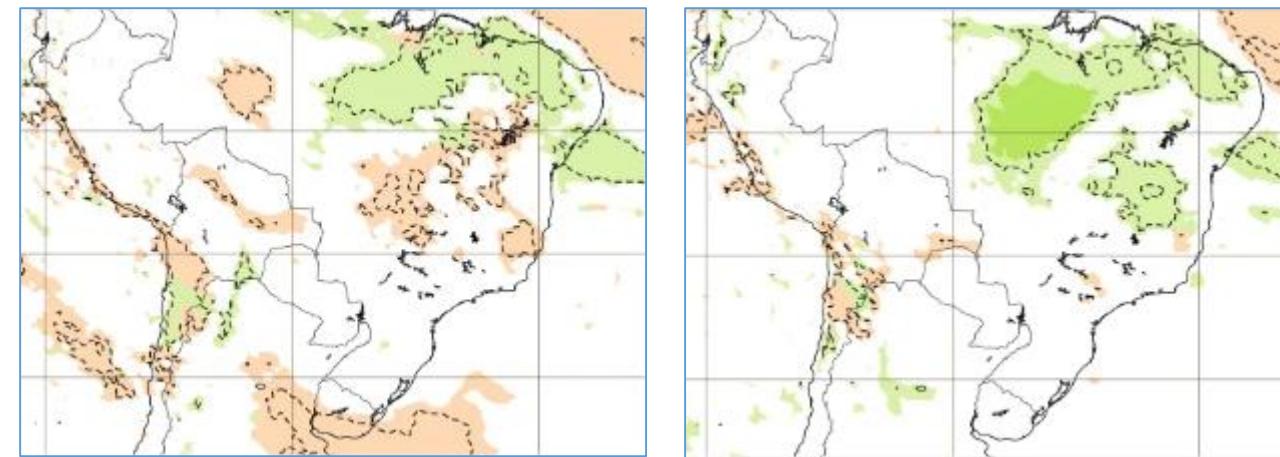
Previsão média para  
os próximos 10 dias: 86  $\text{m}^3/\text{s}$   47% da MLT de Setembro

## Anomalia de Chuva 3a e 4a semanas

CFS/NOAA

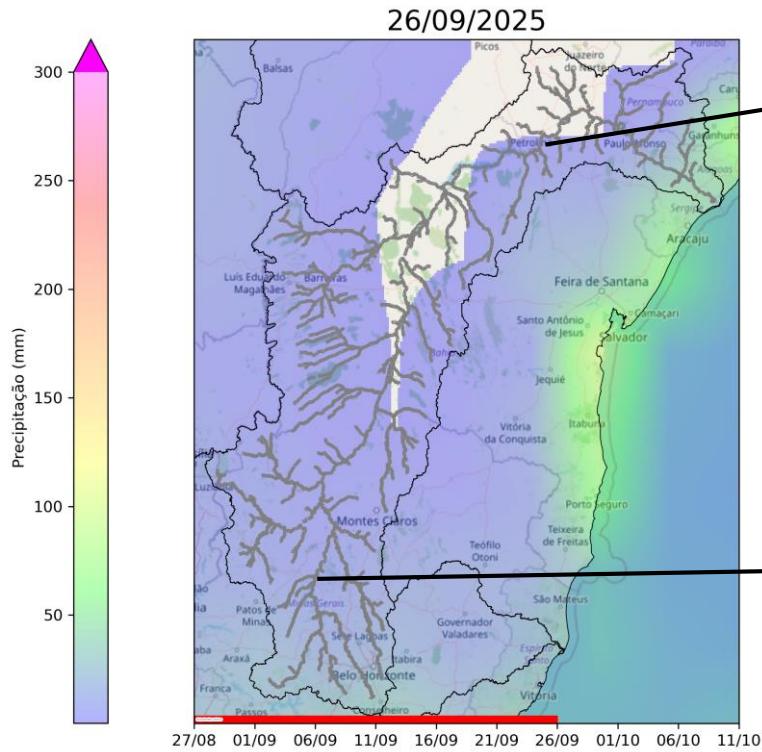


ECMWF

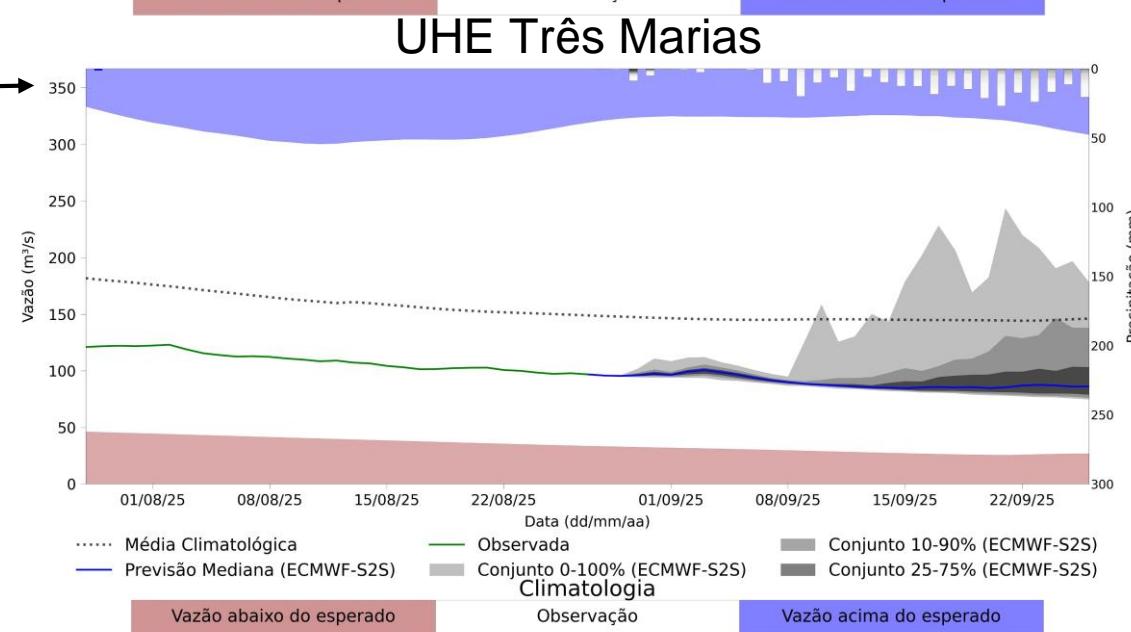
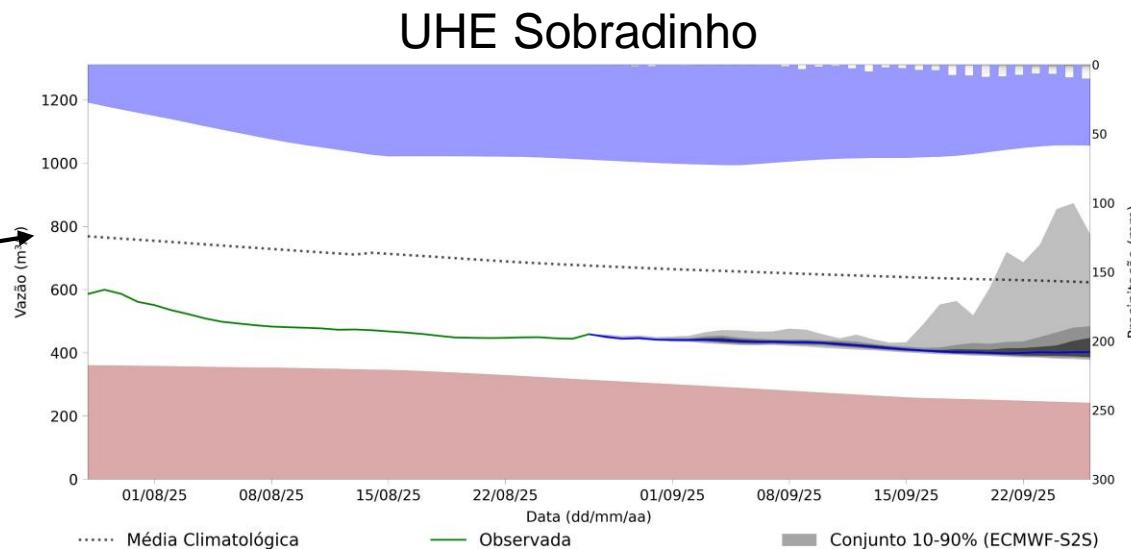


# Previsão de vazão natural na Bacia Rio São Francisco (Modelo hidrológico MHD)

Previsão: 27/08/2025 a 26/09/2025

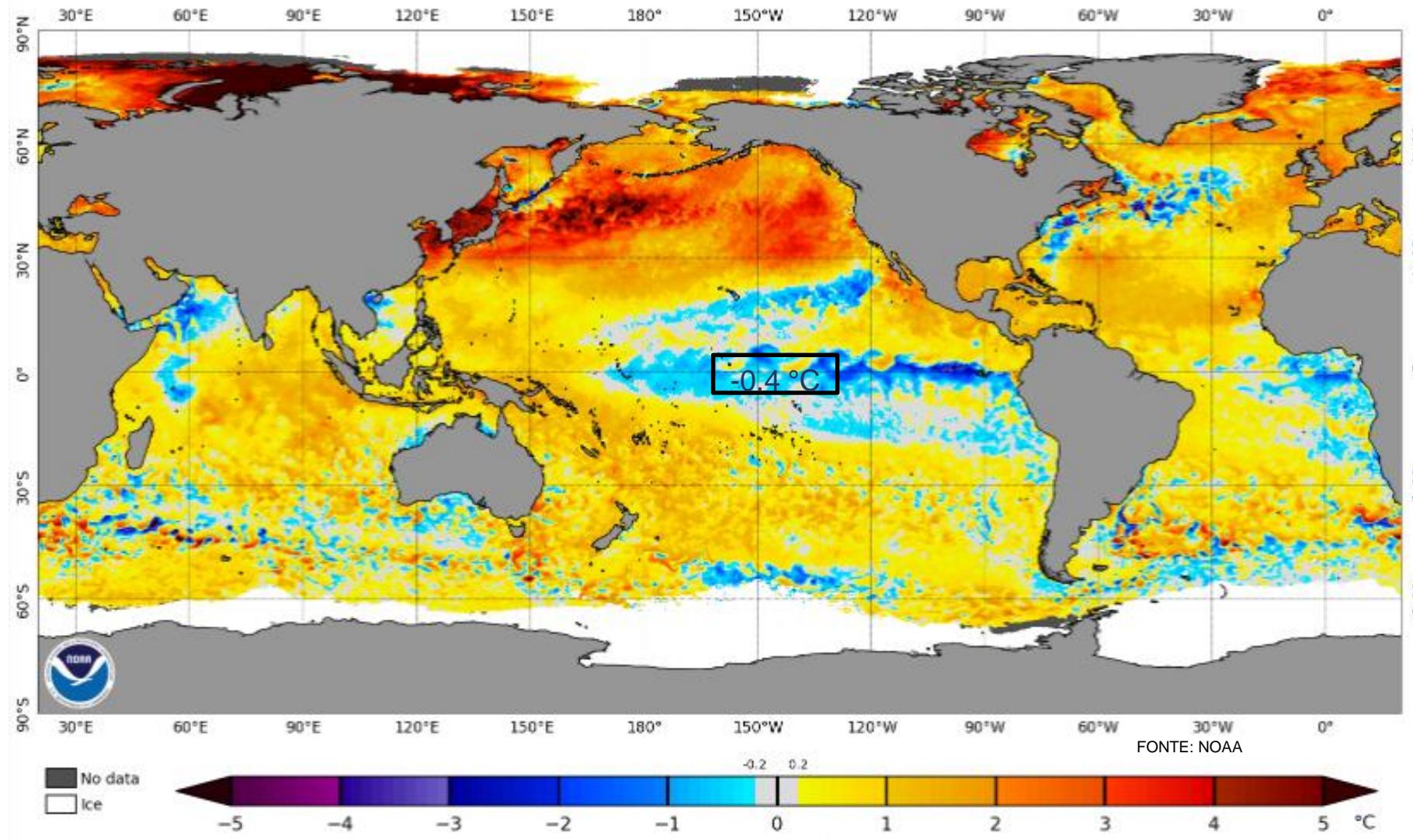


Fonte: Meteorologia (INMET/MERGE);  
Vazão (ANA/ONS)  
MLT: 1993-2024  
Previsão Meteorológica: ECMWF-S2S



## Status Atual: La Niña Watch

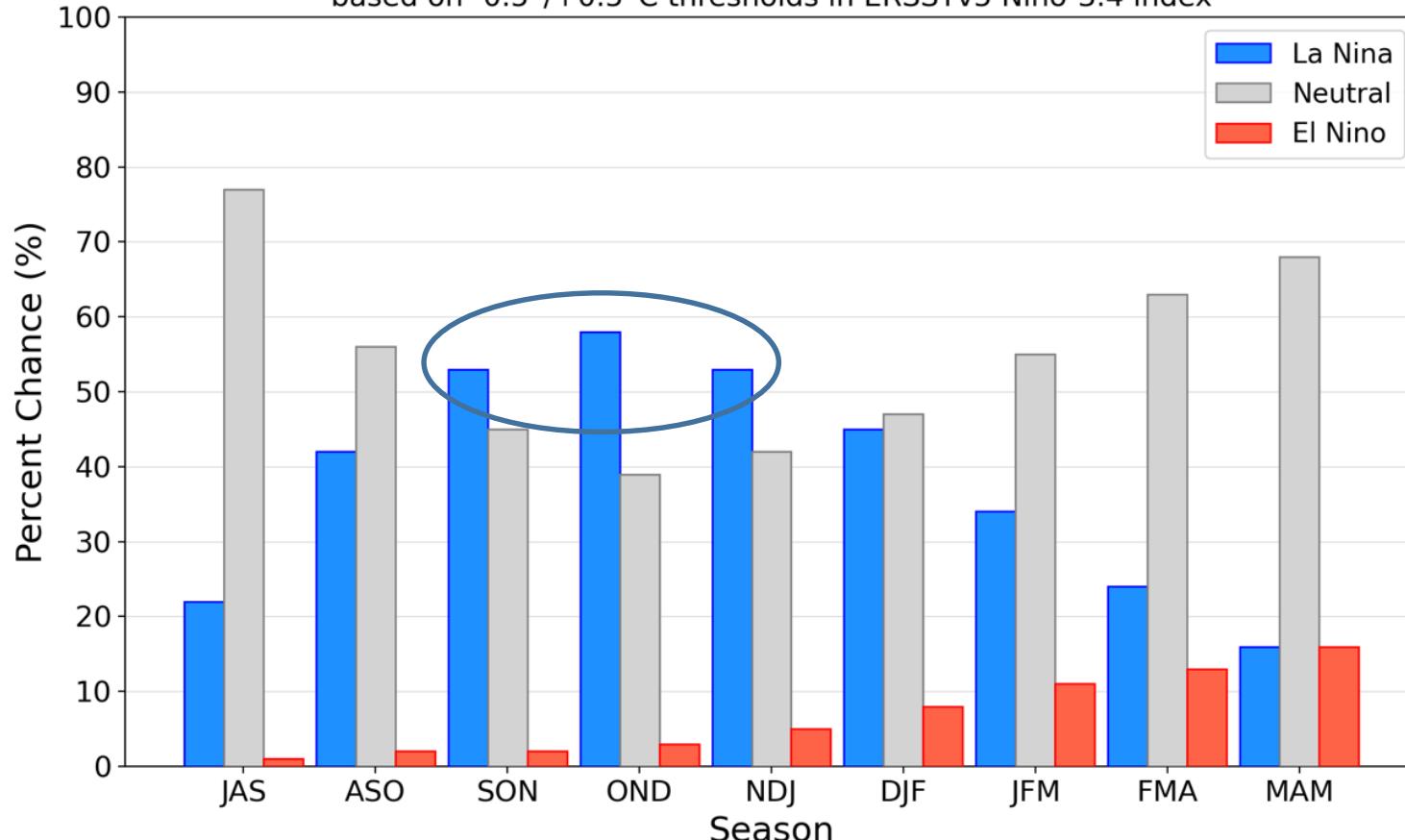
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 30 Aug 2025



# Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued August 2025)

based on  $-0.5^{\circ}/+0.5^{\circ}\text{C}$  thresholds in ERSSTv5 Niño-3.4 index



# Previsão do “ENSO”

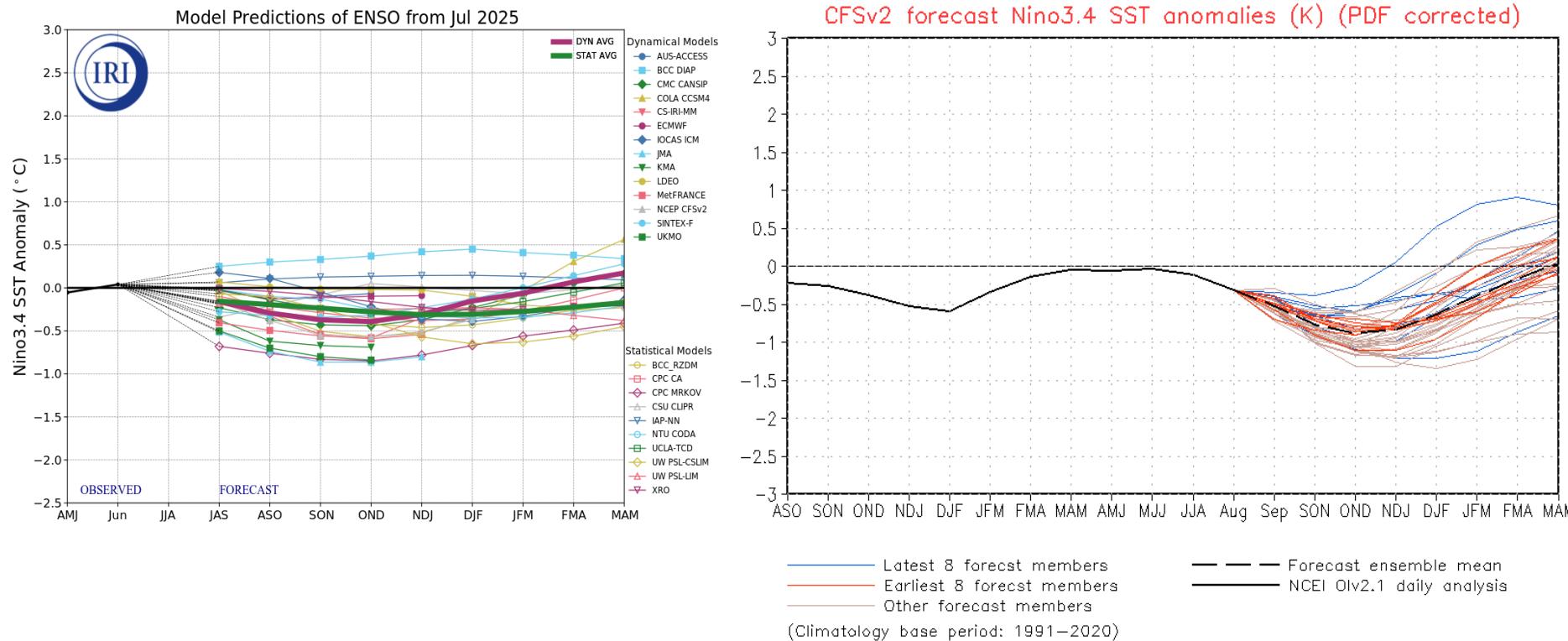
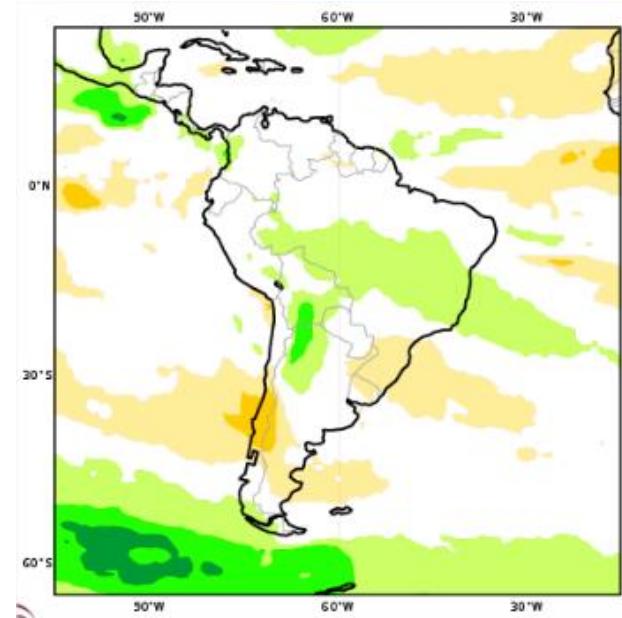


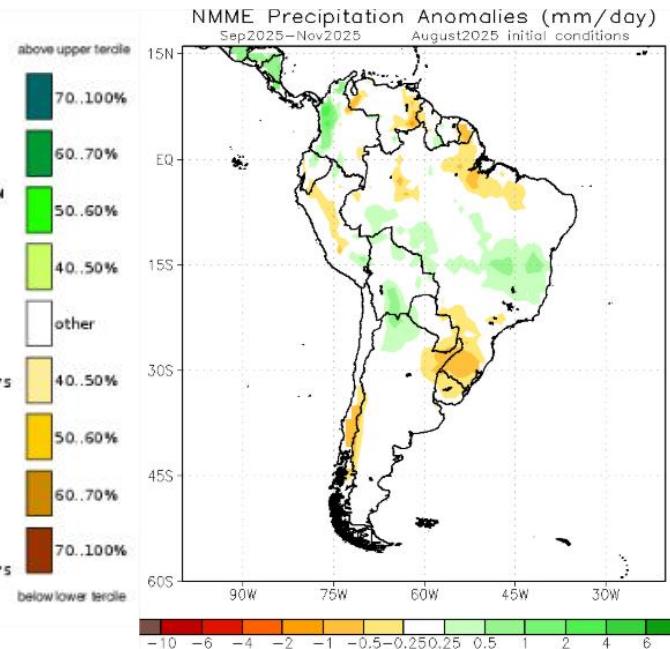
Figure provided by the International Research Institute (IRI) for Climate and Society (updated 18 July 2025).

# Previsão Sazonal de Chuva Multi-Modelo

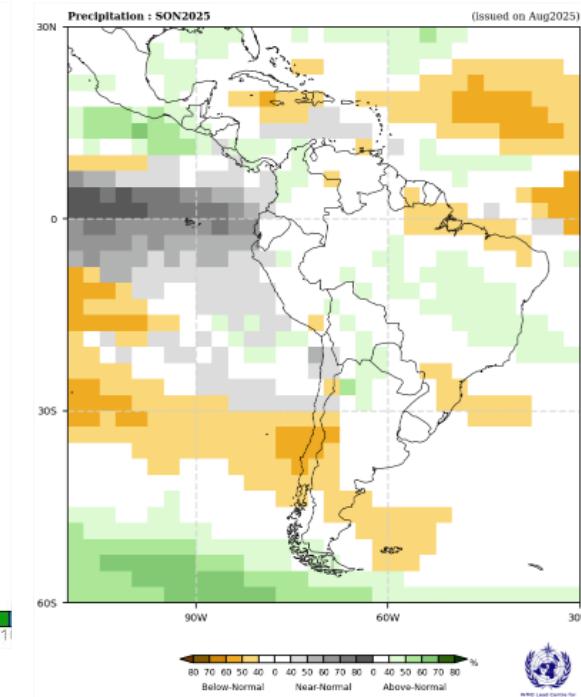
Setembro-Outubro-Novembro



Modelos “Europeus”



Modelos Norte Americanos



Modelos da WMO

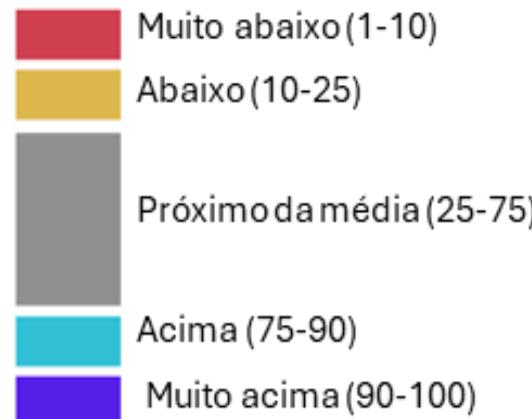


# Previsão Sub-sazonal (45 dias) para a Bacia do São Francisco

## Sistema Global de Previsão de Vazão - GloFAS

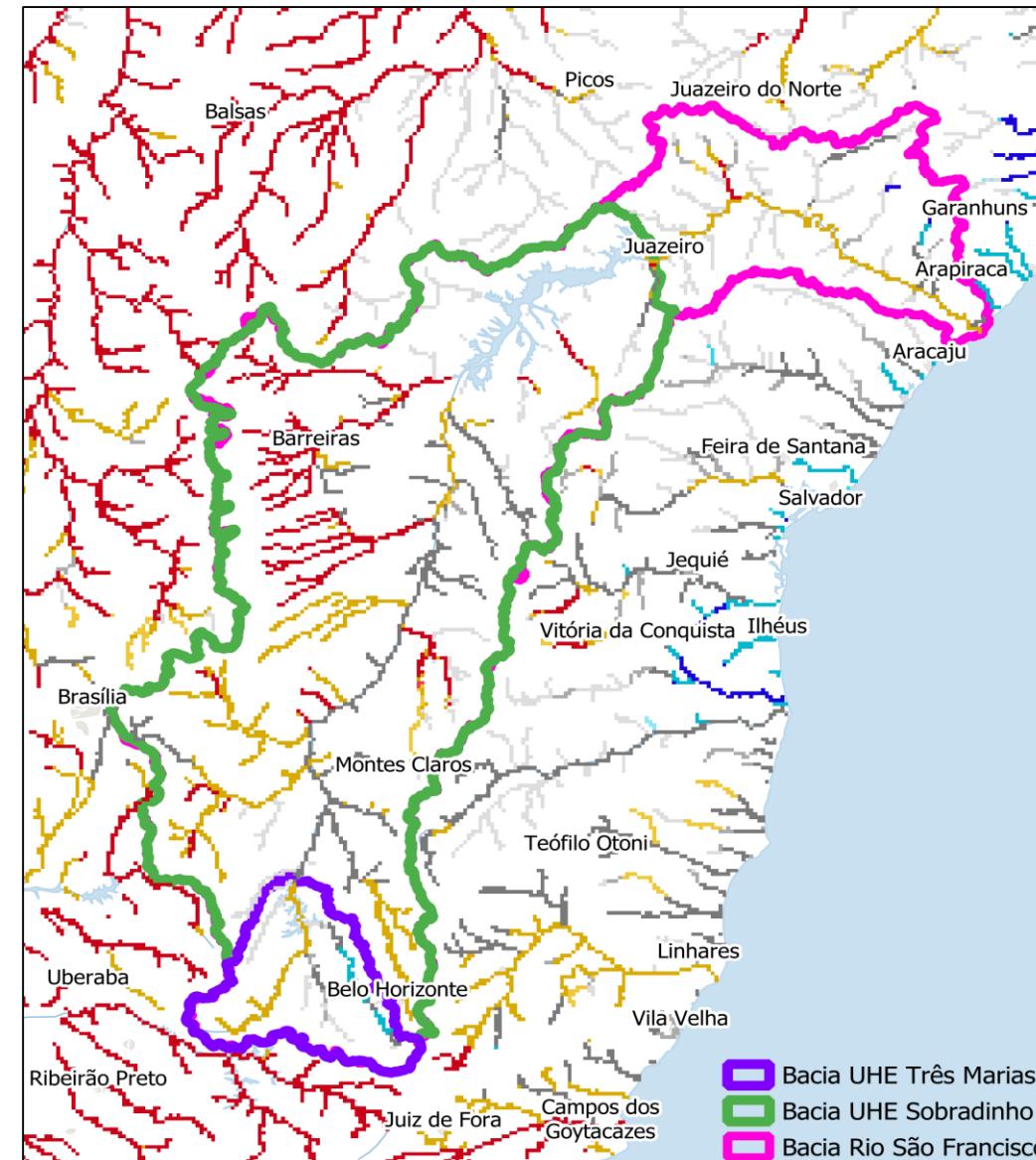
Previsão: 01/09/2025 – 13/10/2025

### Categoria de anomalia para as vazões (percentil)



### Fonte:

Previsão Meteorológica: ECMWF  
Previsão de vazão: Lisflood/GloFAS Forecast  
<https://www.globalfloods.eu/glofas-forecasting/>



# Três Marias: Projeção de Vazão (Modelo hidrológico PDM-CEMADEN)

