



CEMADEN

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

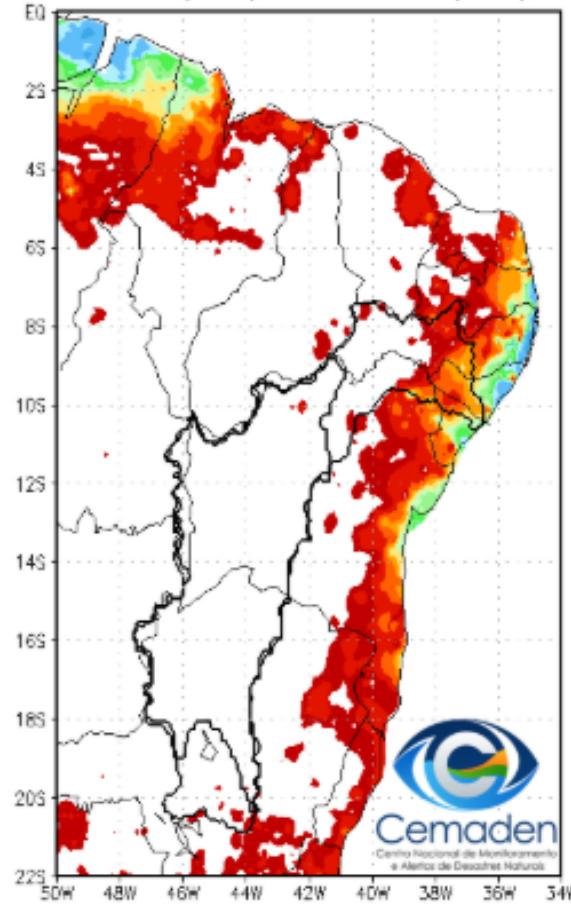
Monitoramento, Previsões
e Projeções para a
Bacia do Rio São Francisco

05 de agosto de 2025

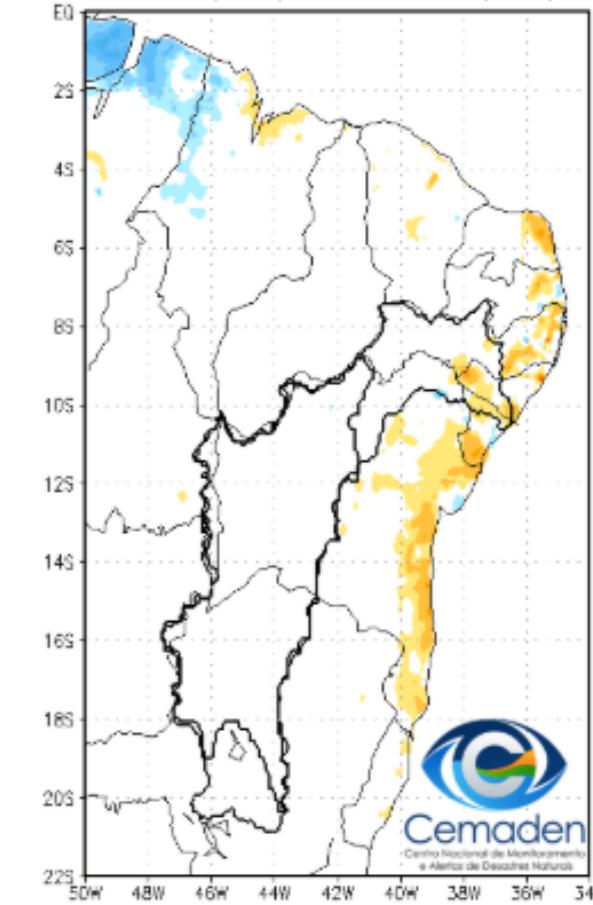


Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Periodo: 05/07/2025 a 04/08/2025

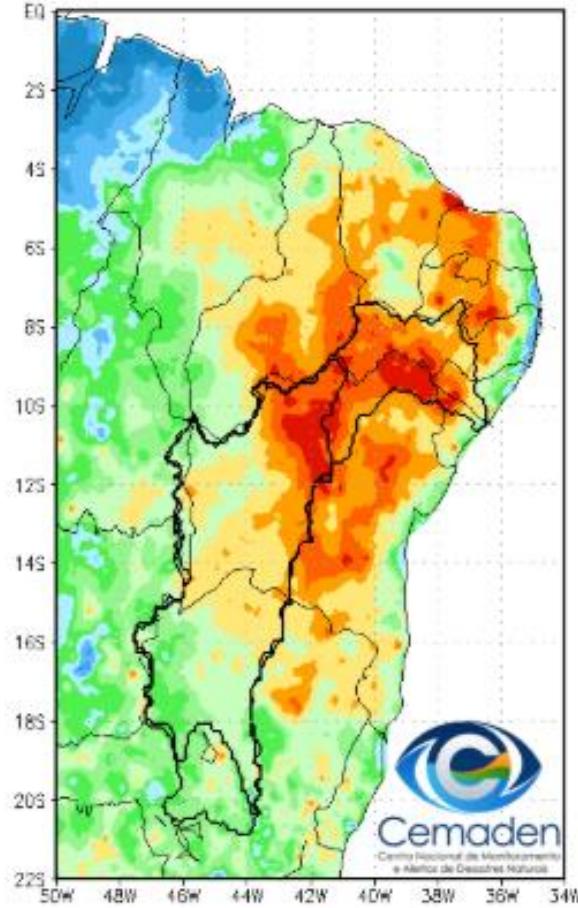


Anomalia de Precipitacao (mm) A.S.
Periodo: 05/07/2025 a 04/08/2025

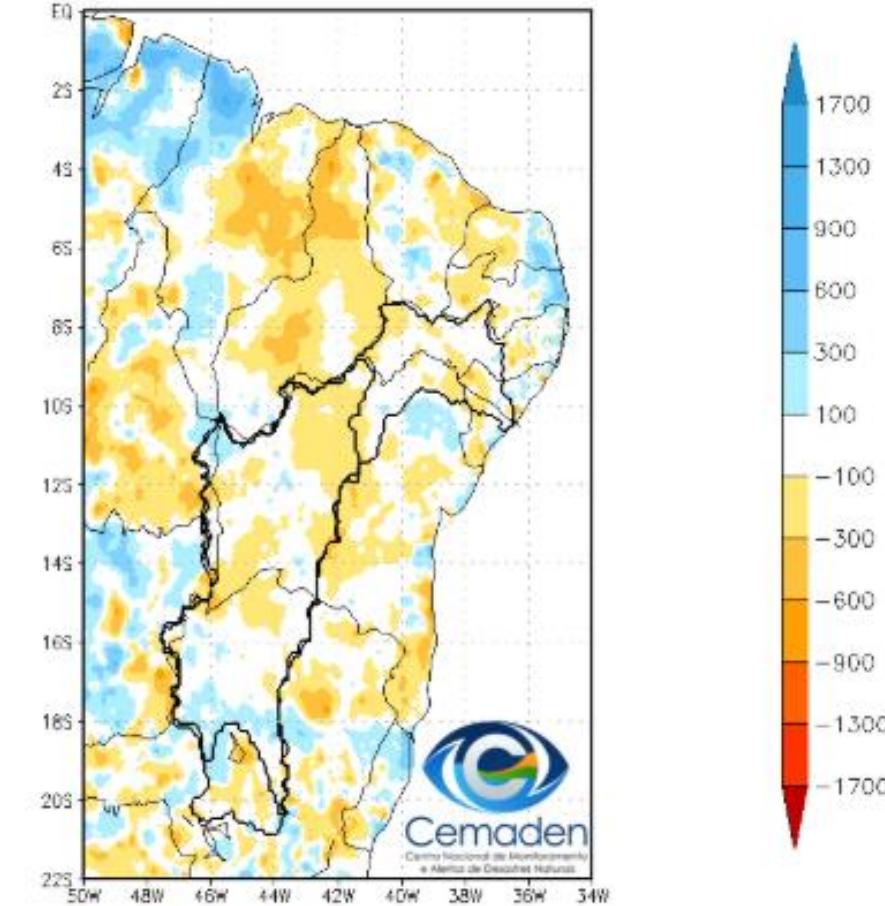


Chuva no Ano Hidrológico - desde 01/10/2024

Precipitacao Acumulada (mm) A.S.
Periodo: 01/10/2024 a 04/08/2025

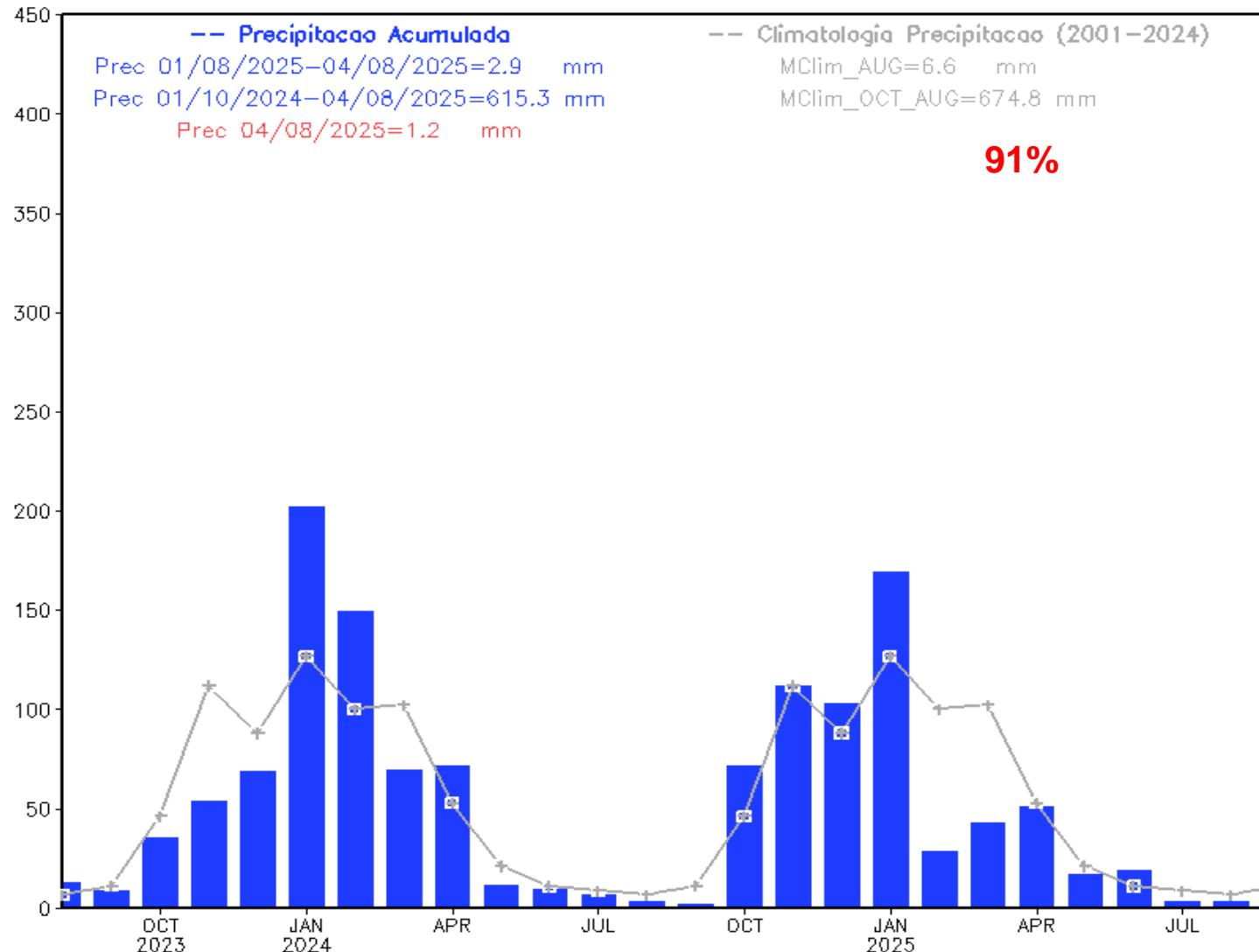


Anomalia de Precipitacao (mm) A.S.
Periodo: 01/10/2024 a 04/08/2025

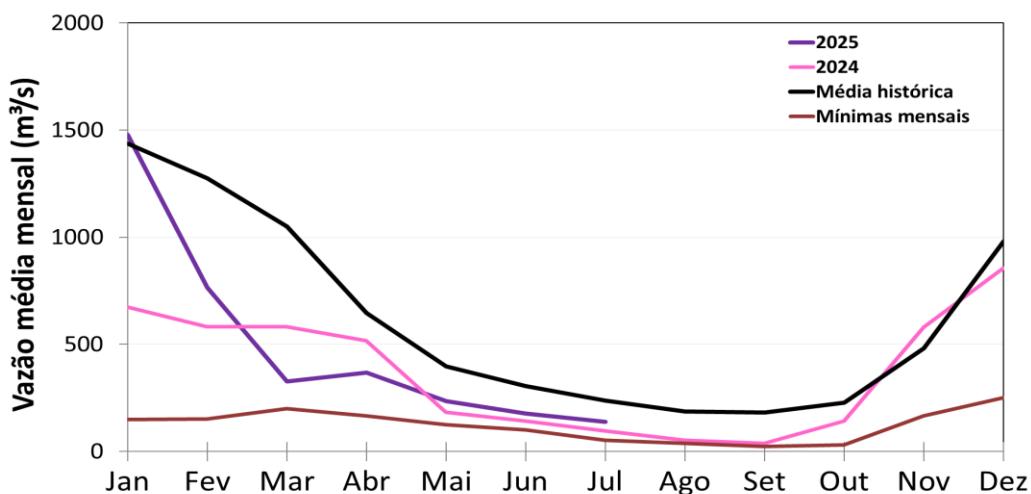
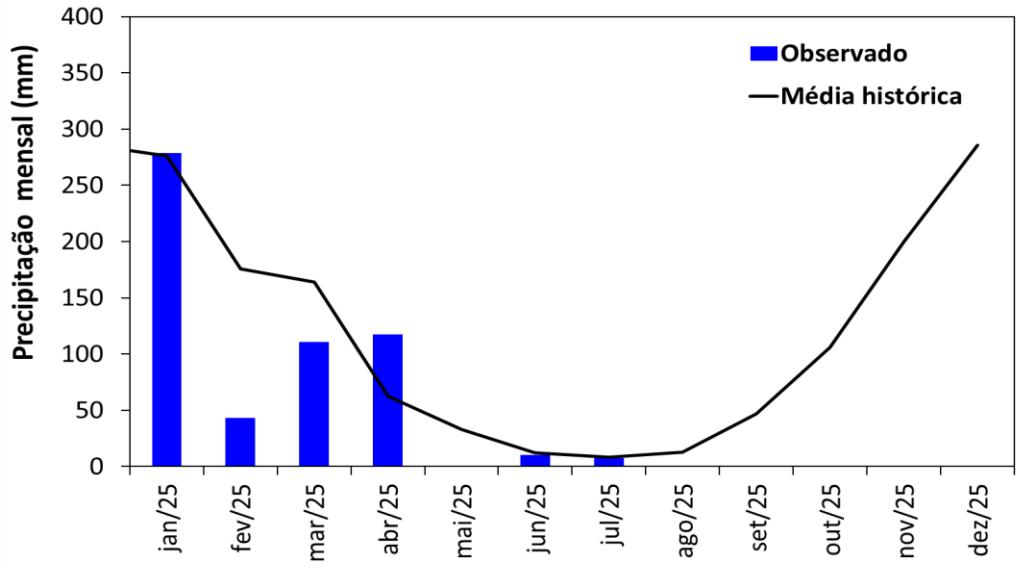


Chuva dos últimos dois anos

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*: 136 mm (110% da MLT PARCIAL)

Jul/25*: 7 mm (88% da MLT)

Ago/25*: 0 mm (MLT = 13 mm)

*Até 03/08/2025

Vazão

Estação Chuvosa - Out a Mar - 908 m^3/s

2023/2024: 408 m^3/s (45% da MLT)

2024/2025: 691 m^3/s (76% da MLT)

Estação Seca - Abr a Set - 325 m^3/s

2024: 172 m^3/s (53% da MLT)

2025**: 207 m^3/s (64% da MLT)

Jul/25: 138 m^3/s (59% da MLT)

03/Ago/25: 120 m^3/s (64% da MLT)

**Até 03/08/2025

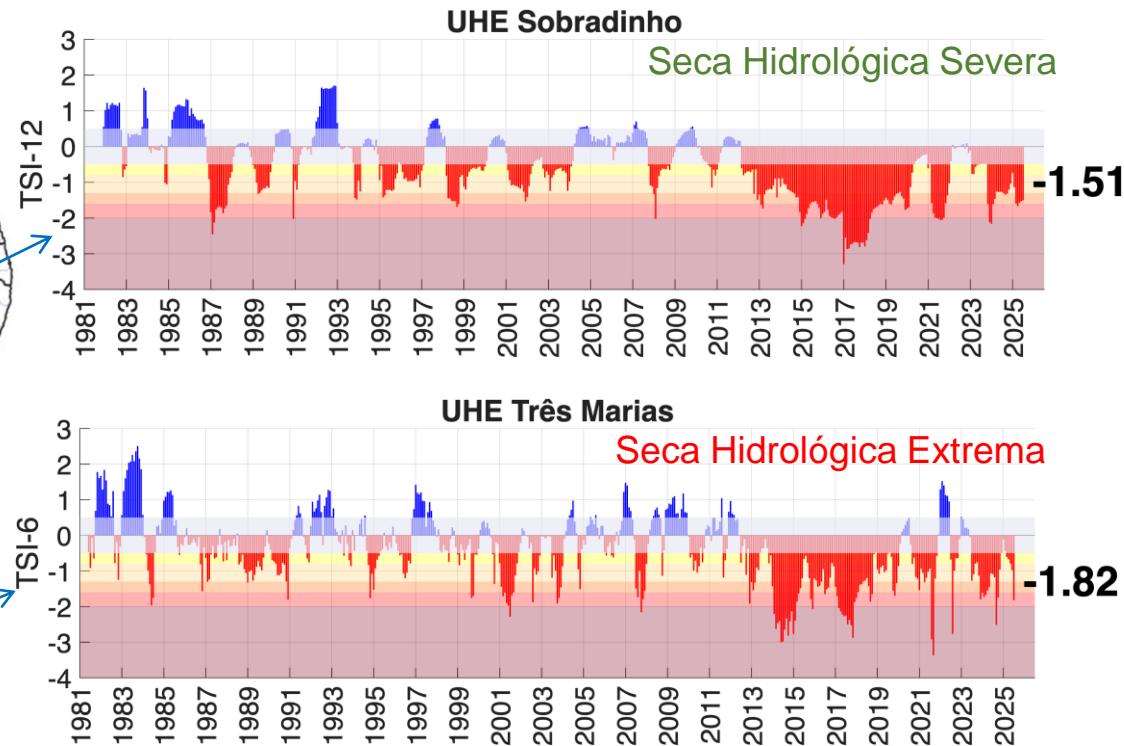
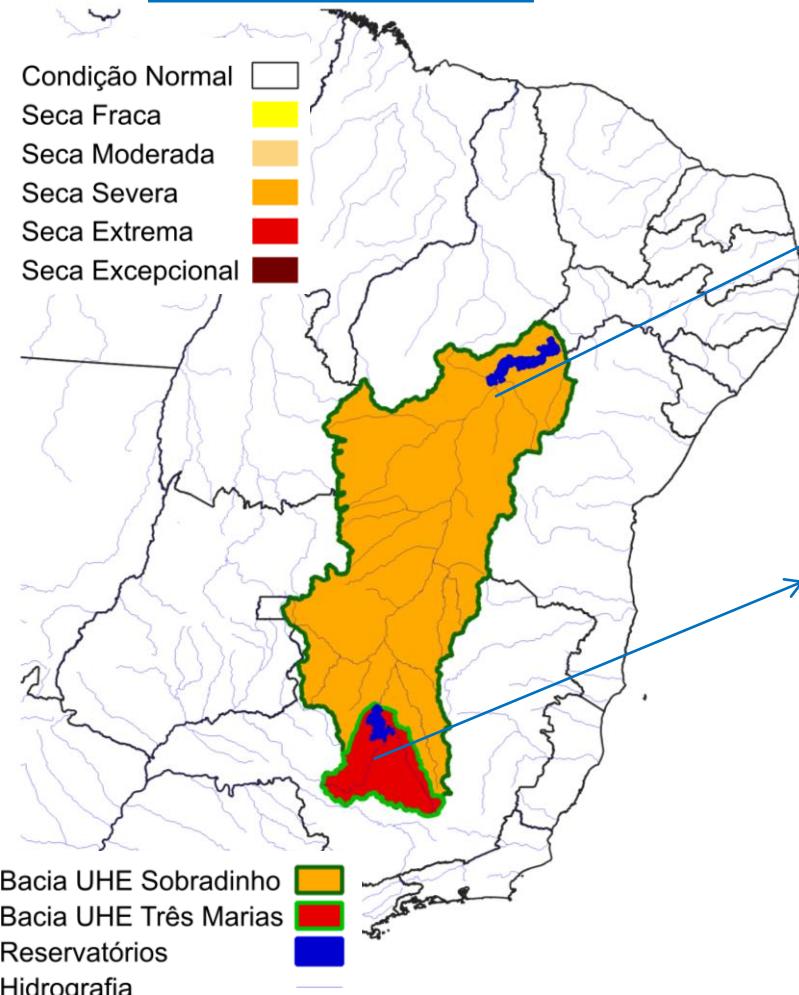
Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

Monitoramento UHE Três Marias e Sobradinho

Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Longo Prazo

Julho/2025

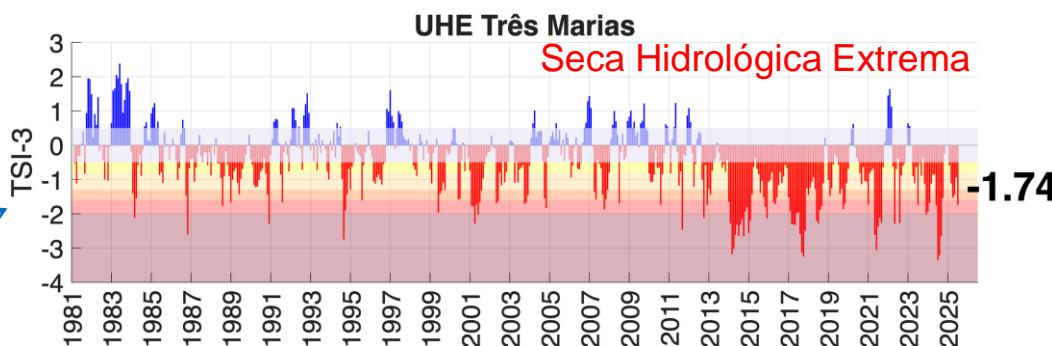
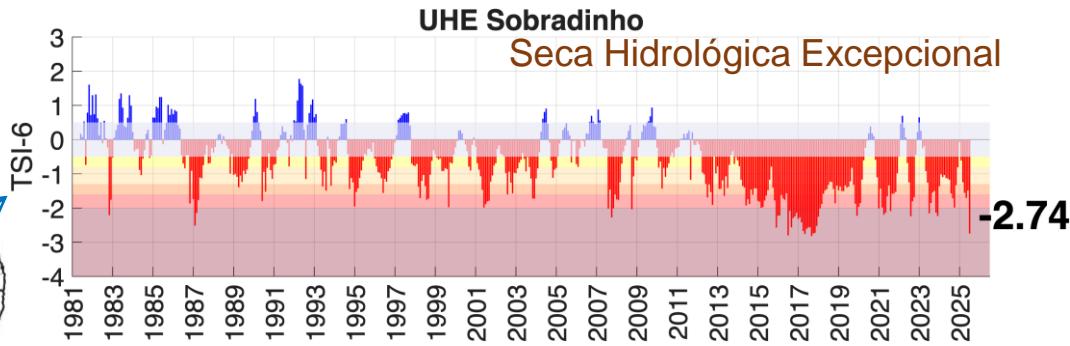
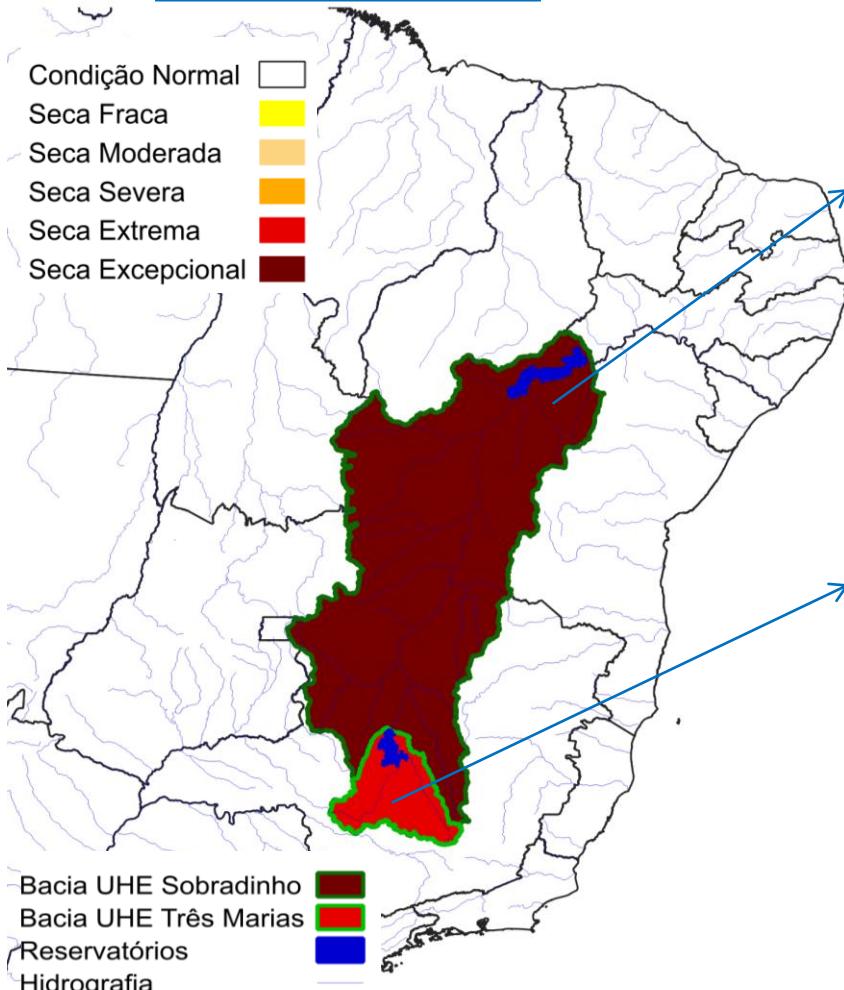


Bacia afluente à UHE:	TSI-Junho	TSI-Julho
Sobradinho	Severa (-1.53)	Severa (-1.51)
Três Marias	Moderada (-0.98)	Extrema (-1.82)

Monitoramento UHE Três Marias e Sobradinho

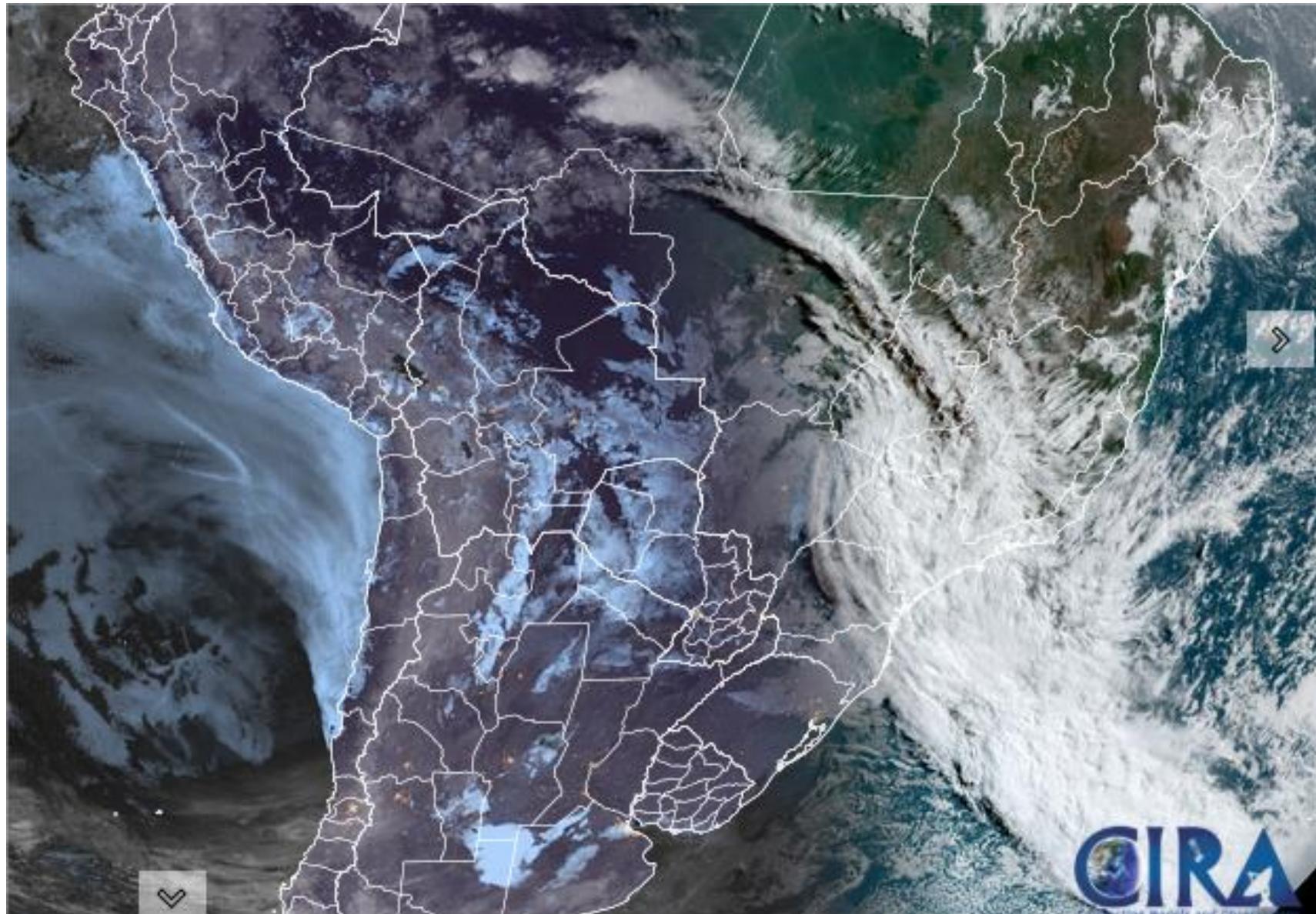
Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Curto Prazo

Julho/2025

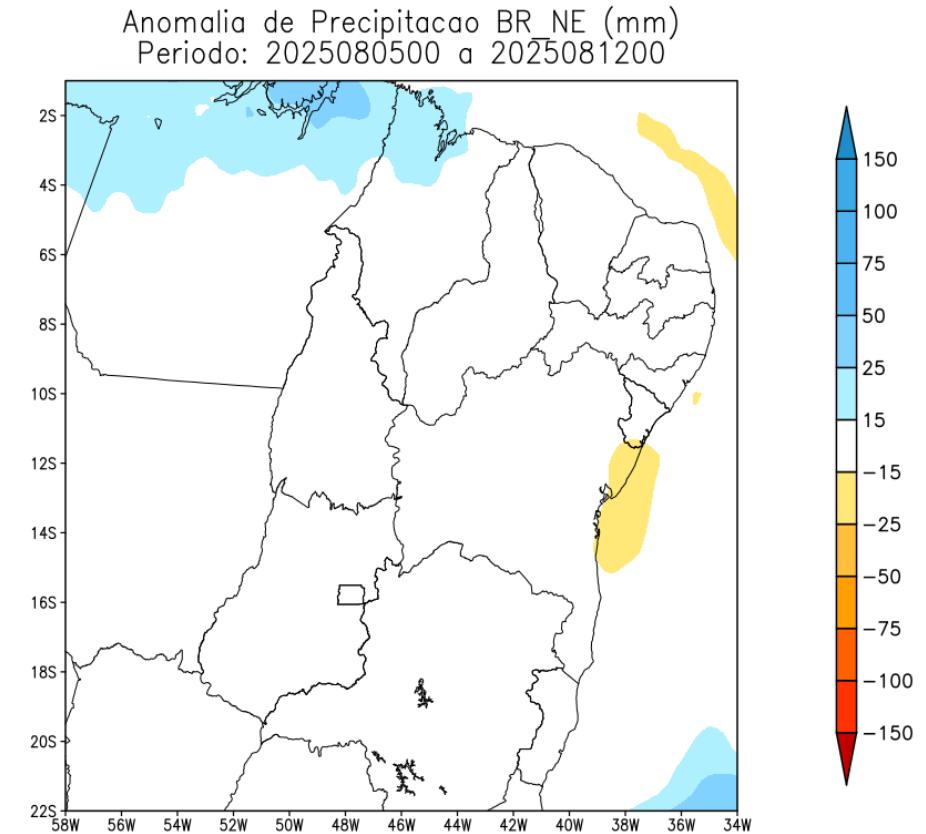
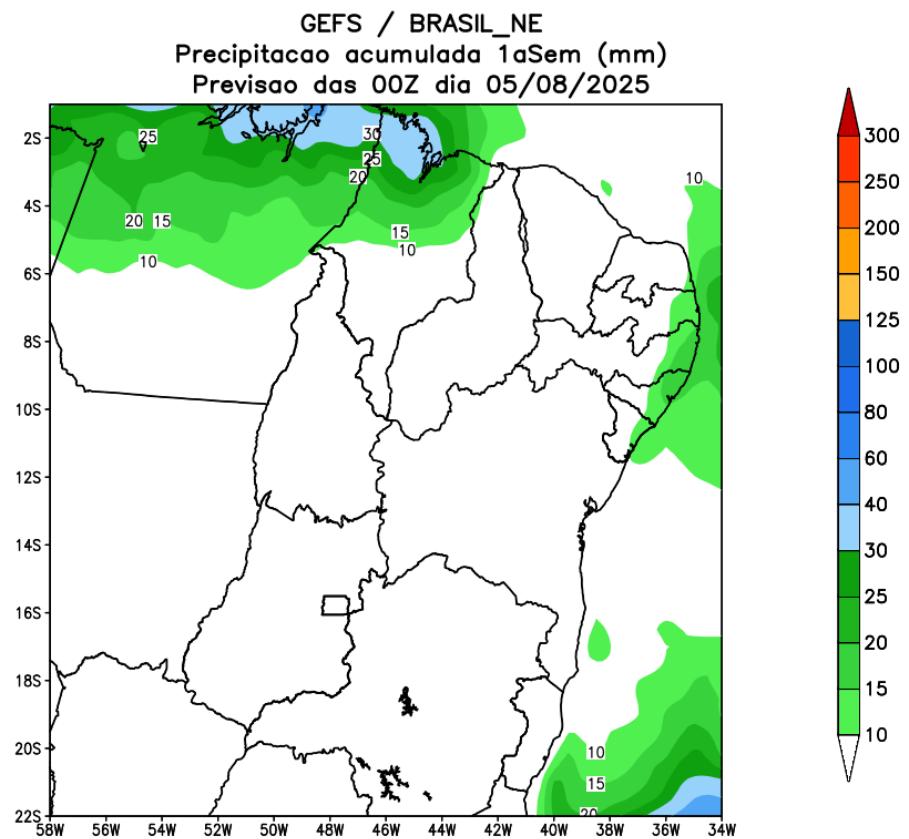


Bacia afluente à UHE:	TSI-Junho	TSI-Julho
Sobradinho	Severa (-1.49)	Excepcional (-2.74)
Três Marias	Moderada (-0.95)	Extrema (-1.74)

Situação meteorológica atual

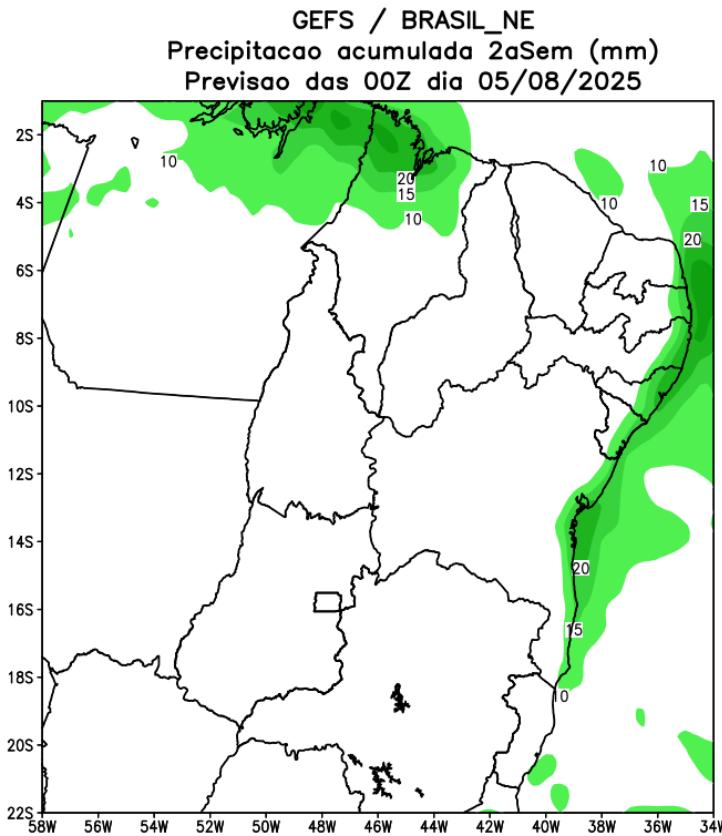


Previsão de chuva próximos 7 dias

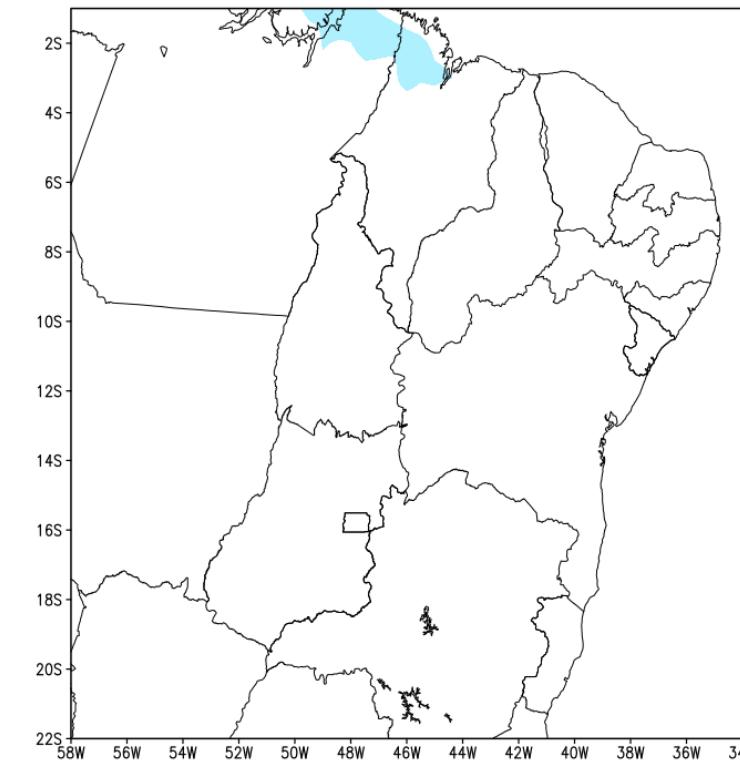


Fonte: GEFS/NOAA

Tendência para a 2a semana

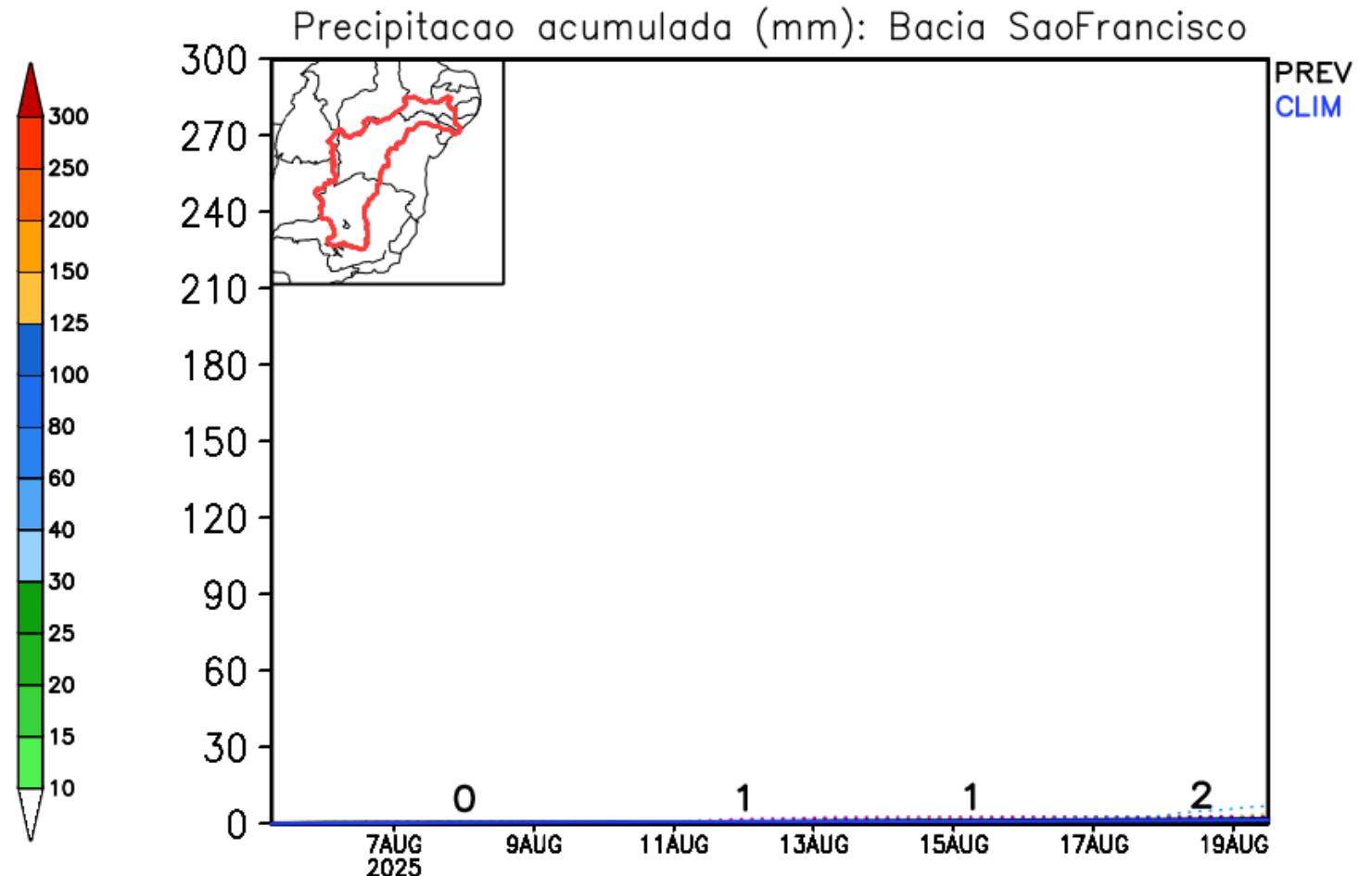
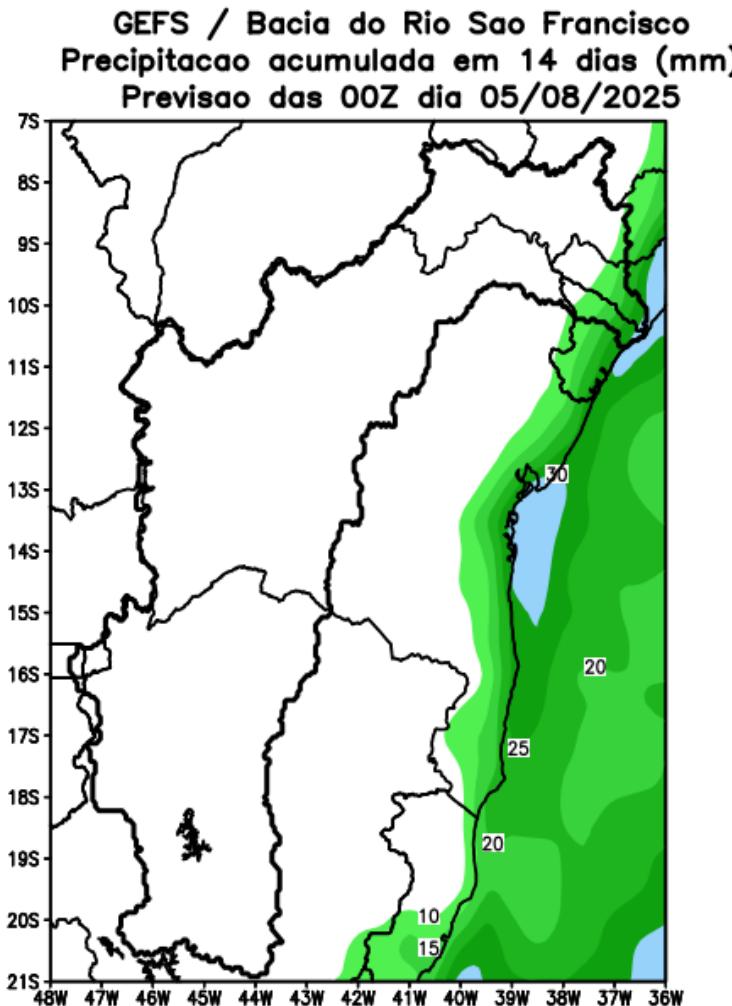


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2025081300 a 2025081900

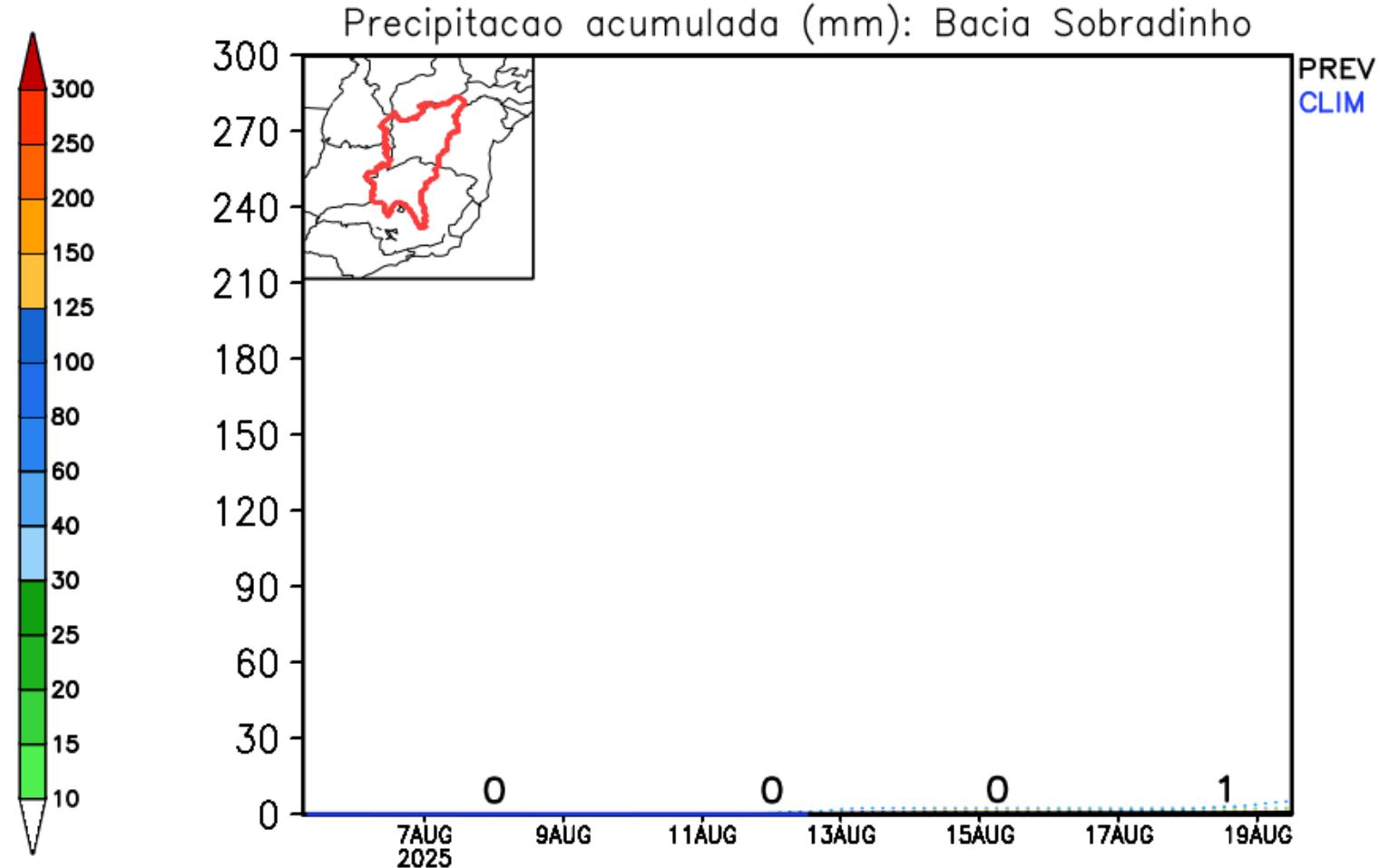
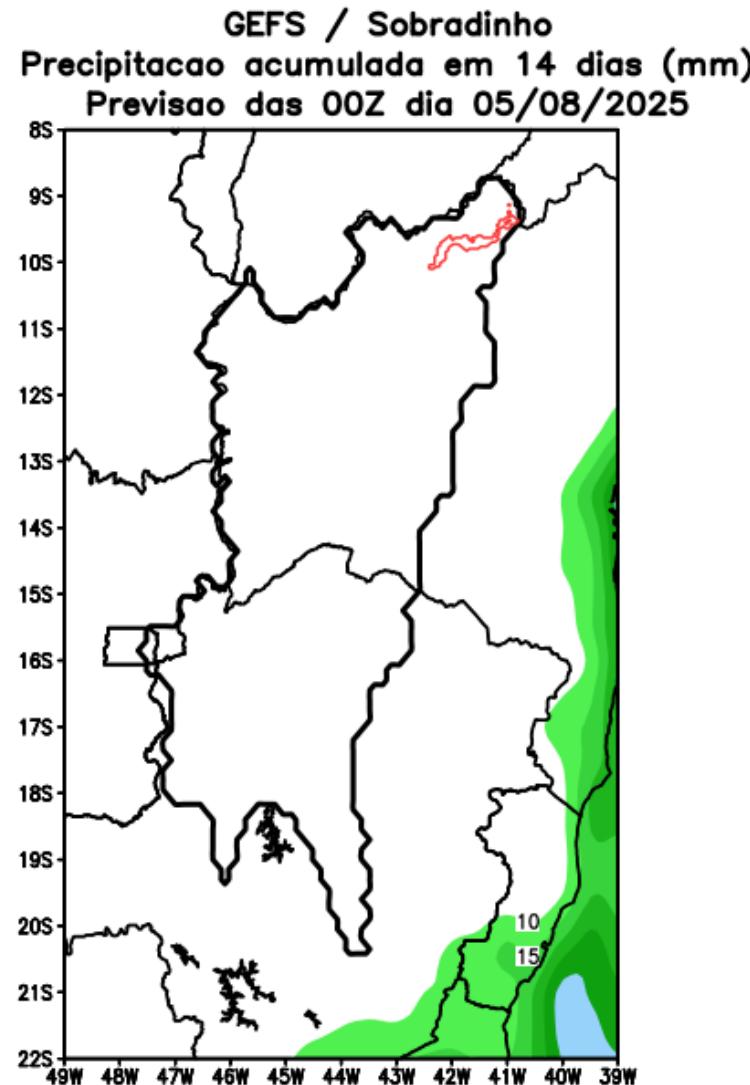


Modelo GFS/NOAA

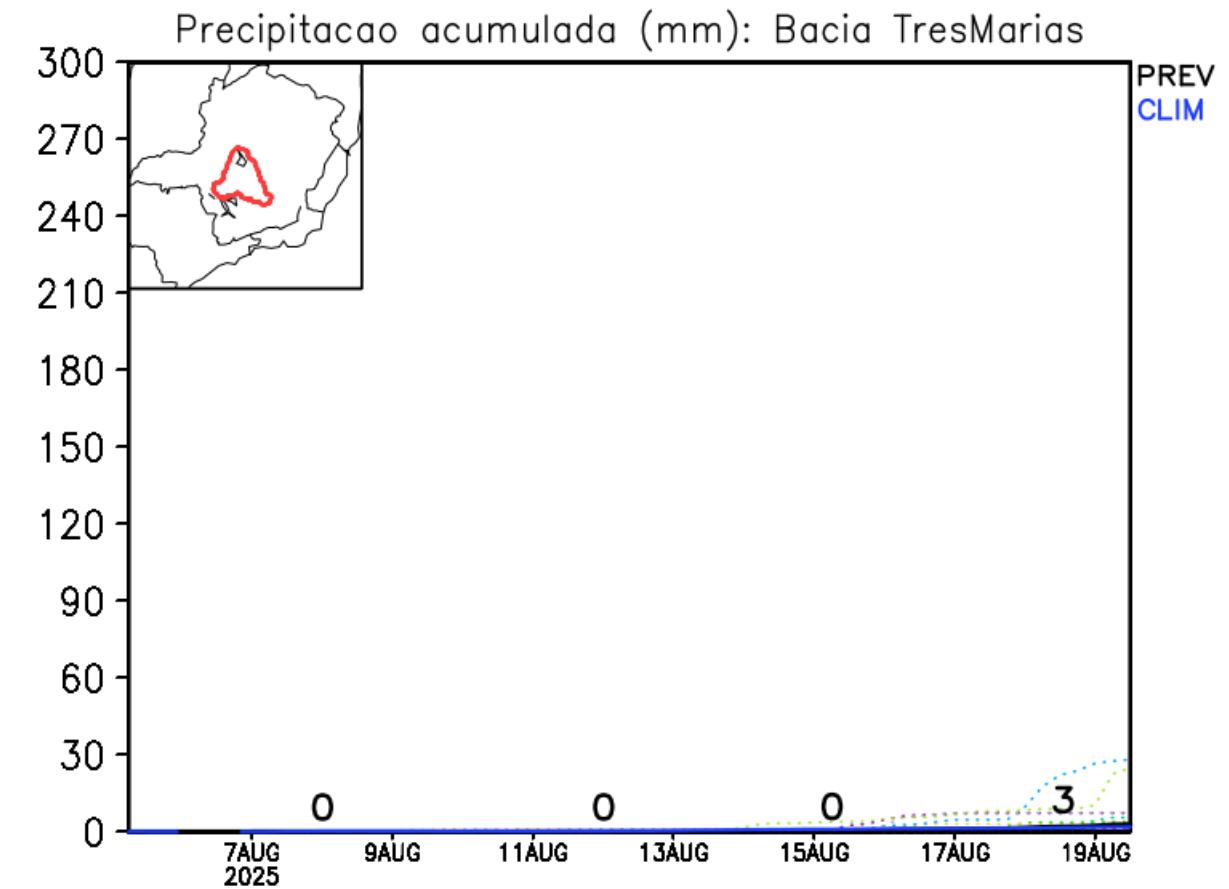
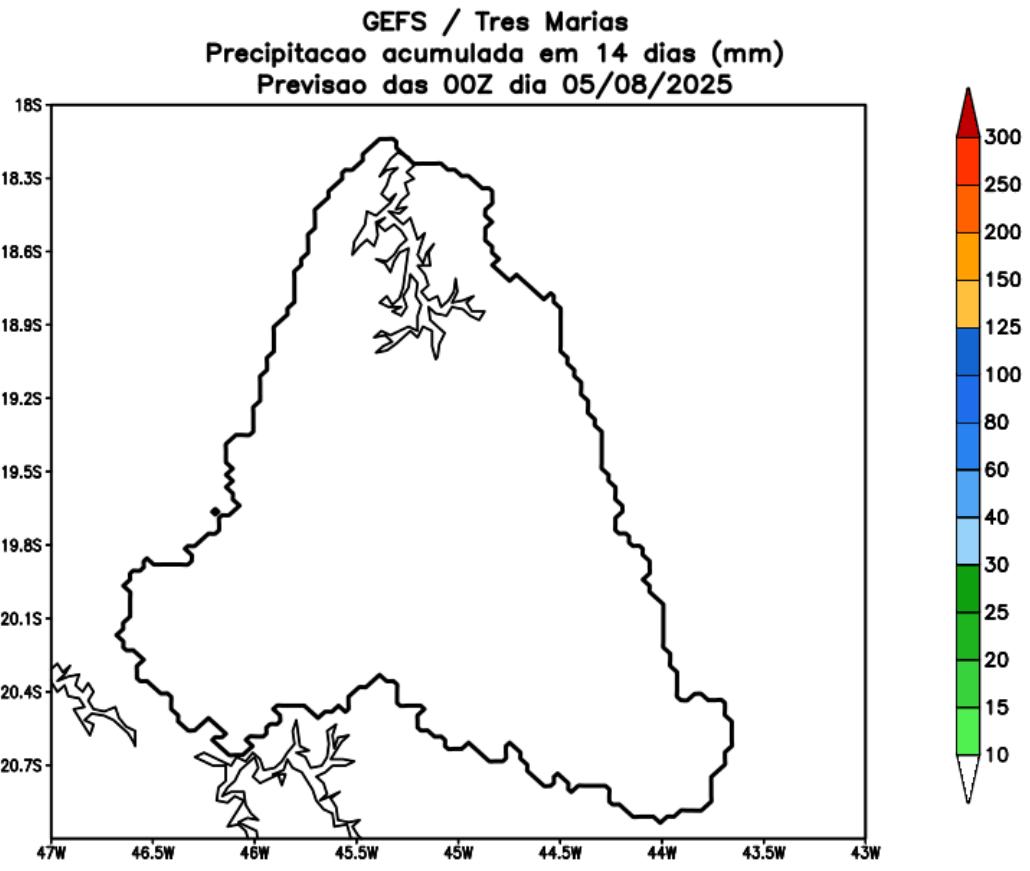
Bacia do rio São Francisco



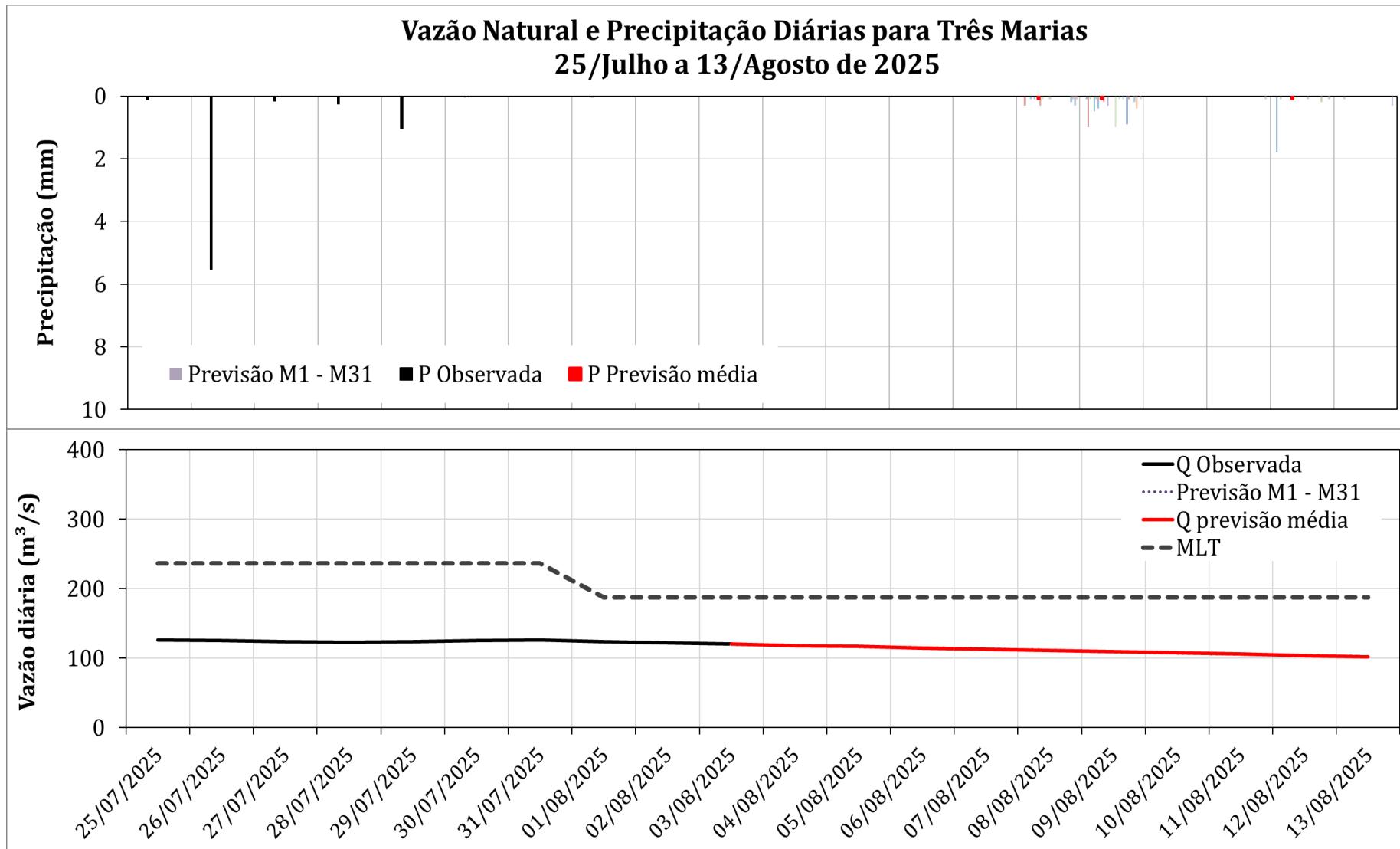
Bacia de Sobradinho

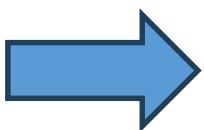


Bacia de Três Marias



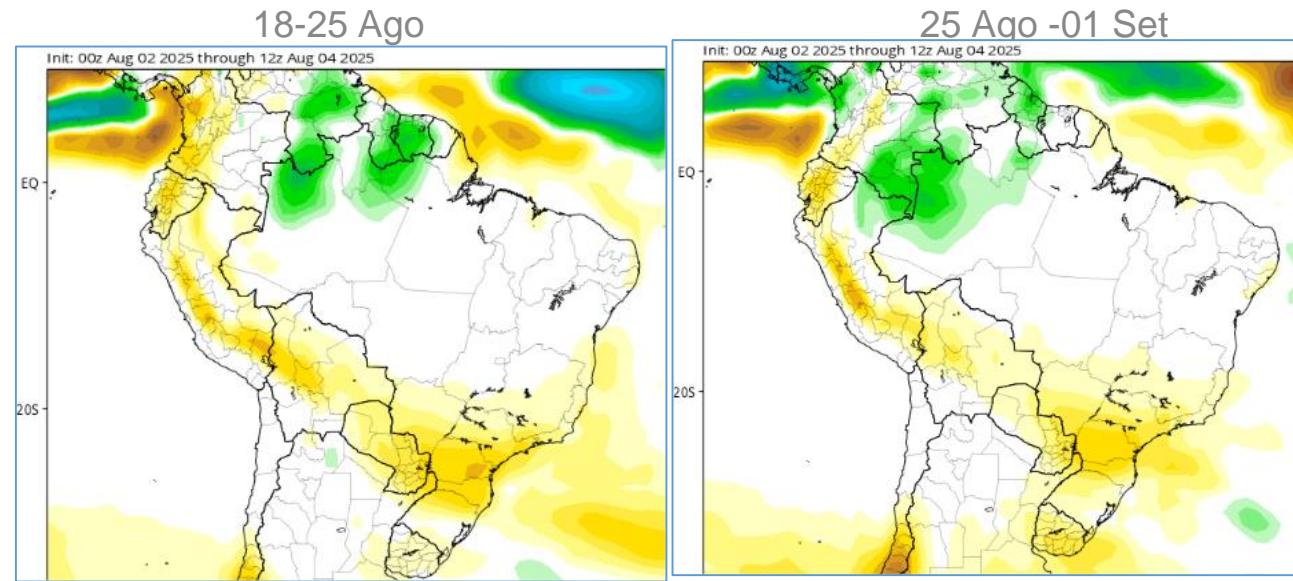
UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)



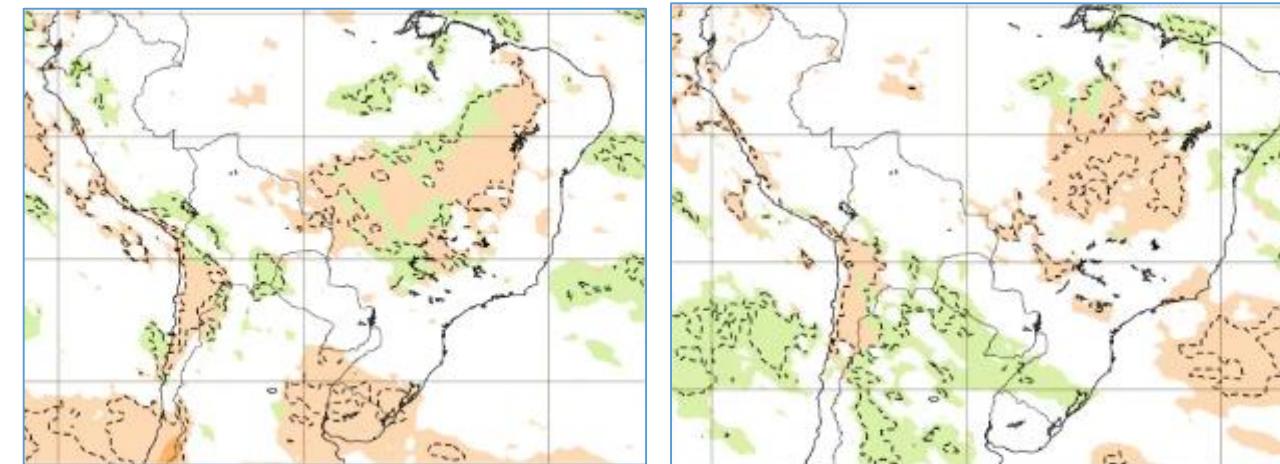
Previsão média para
os próximos 10 dias: 110 m^3/s  59% da MLT de Agosto

Anomalia de Chuva 3a e 4a semanas

CFS/NOAA

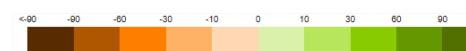


ECMWF



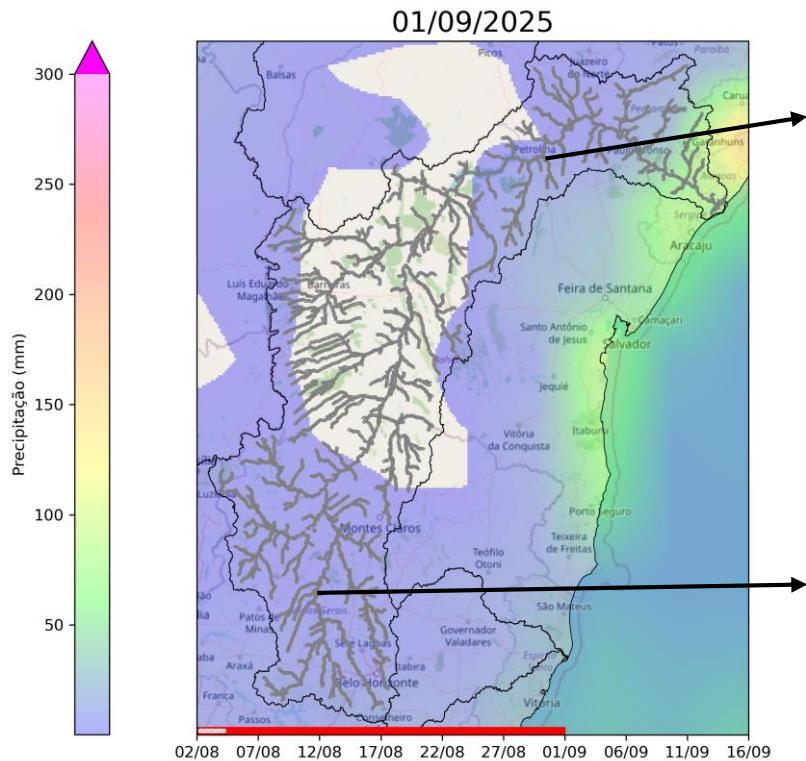
18-25 Ago

25 Ago- 01 Set

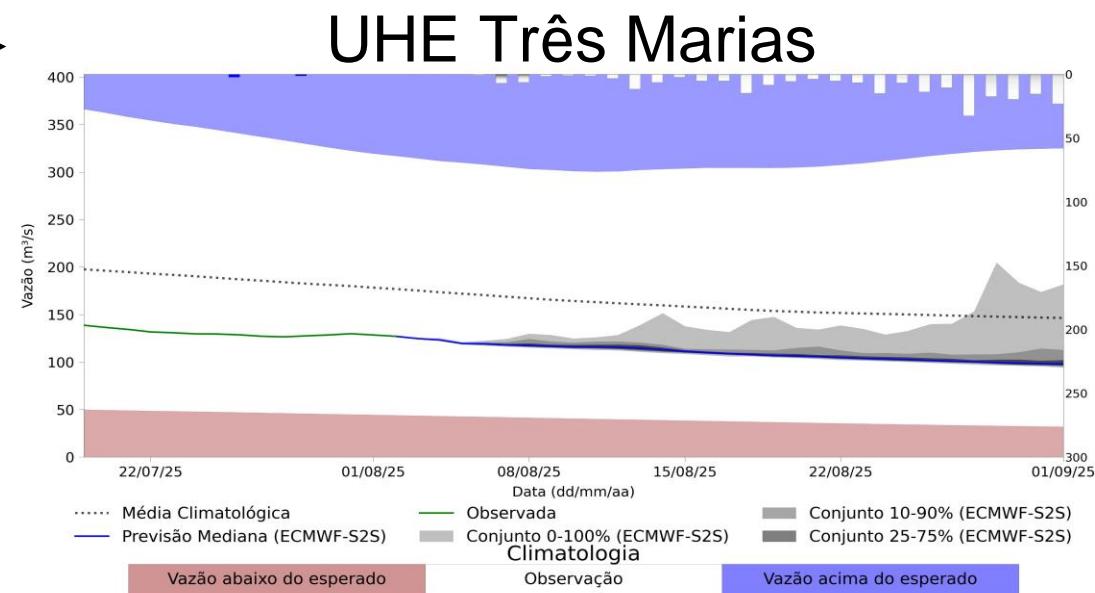
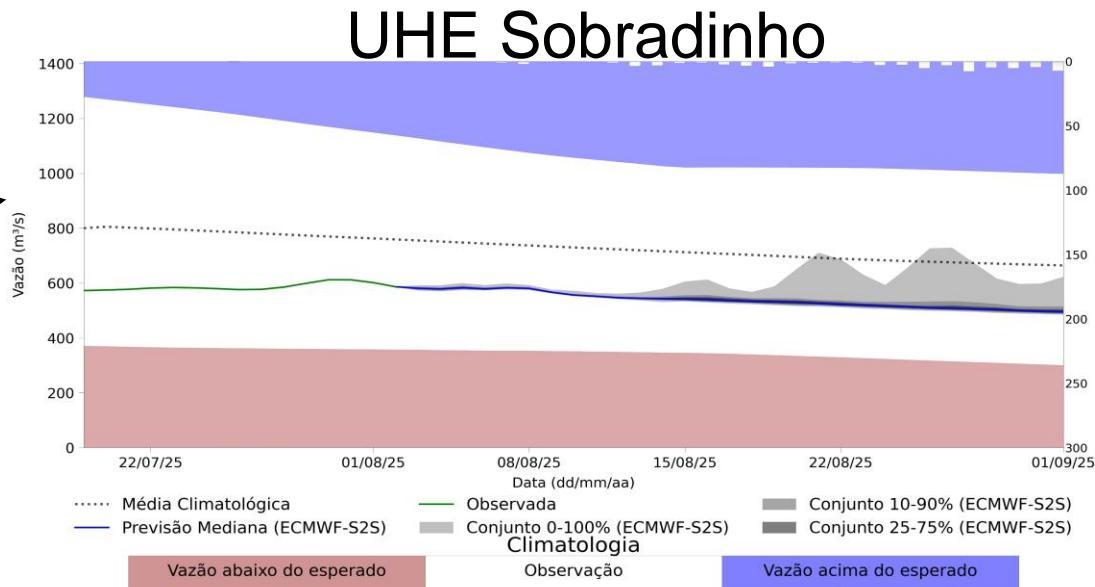


Previsão de vazão natural na Bacia Rio São Francisco (Modelo hidrológico MHD)

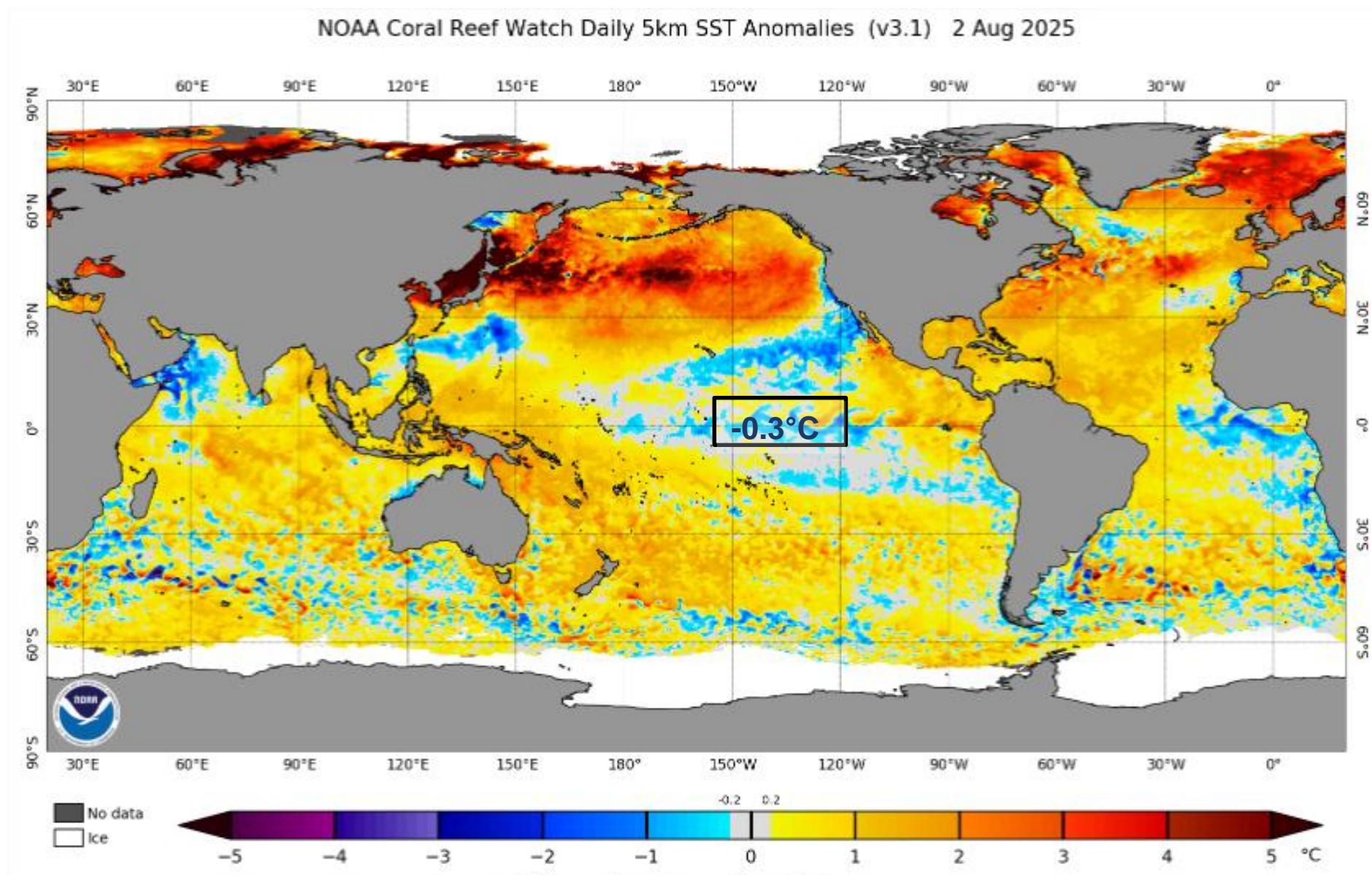
Previsão: 02/08/2025 a 01/09/2025



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



Status Atual: Neutralidade



FONTE: NOAA

Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued July 2025)

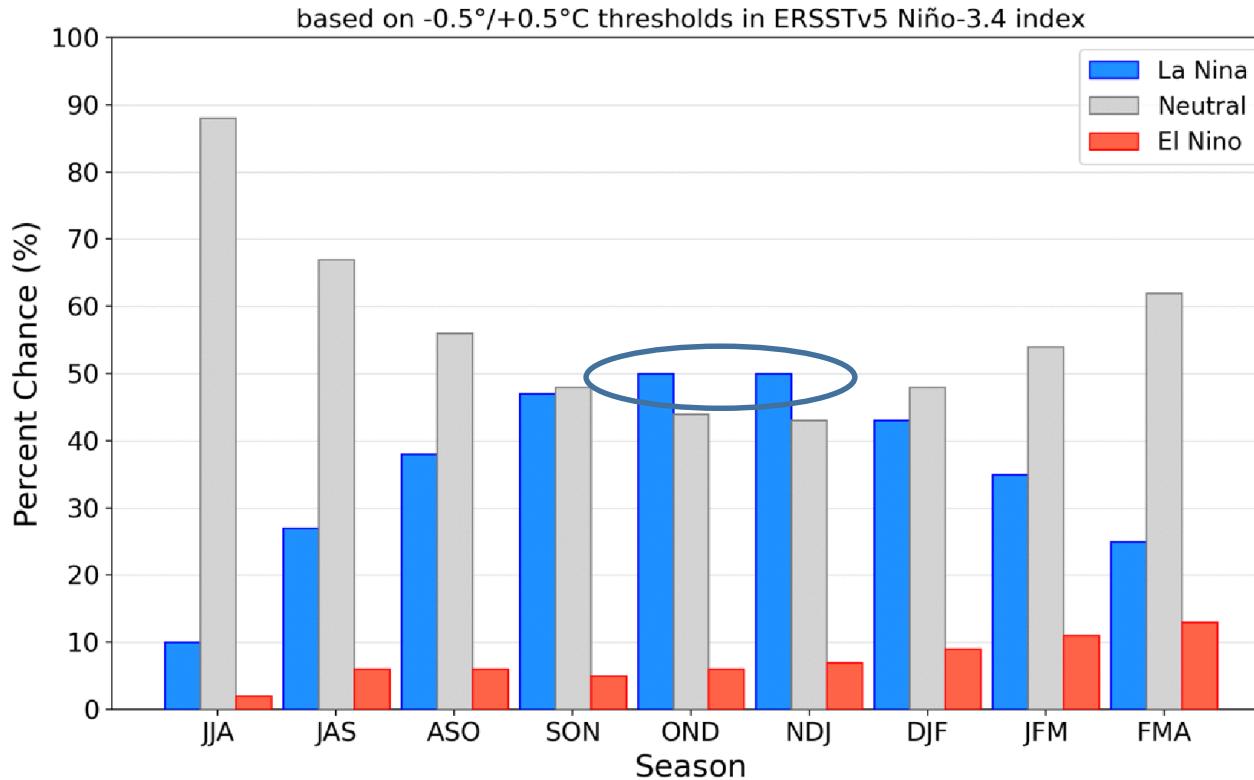


Figure 7. Official ENSO probabilities for the Niño 3.4 sea surface temperature index ($5^{\circ}\text{N}-5^{\circ}\text{S}$, $120^{\circ}\text{W}-170^{\circ}\text{W}$). Figure updated 10 July 2025.

Previsão Sazonal de Chuva Multi-Modelo

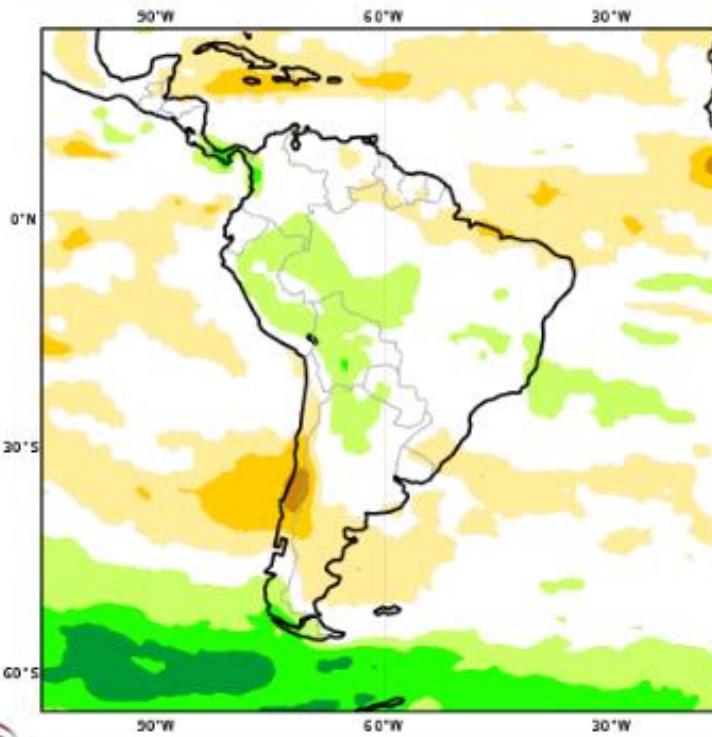
Agosto-Setembro-Outubro

C3S multi-system seasonal forecast

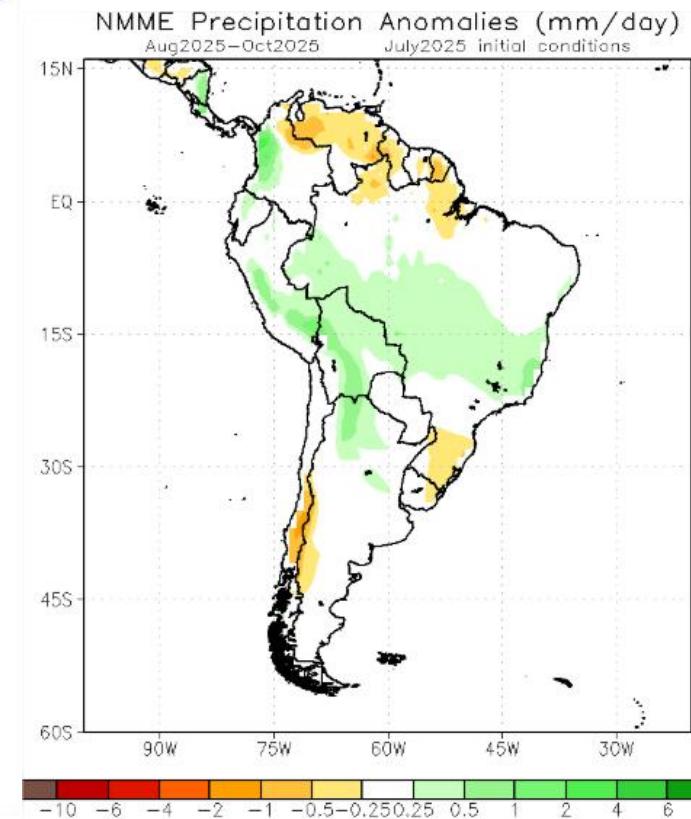
Prob(most likely category of precipitation)

Nominal forecast start: 01/07/25

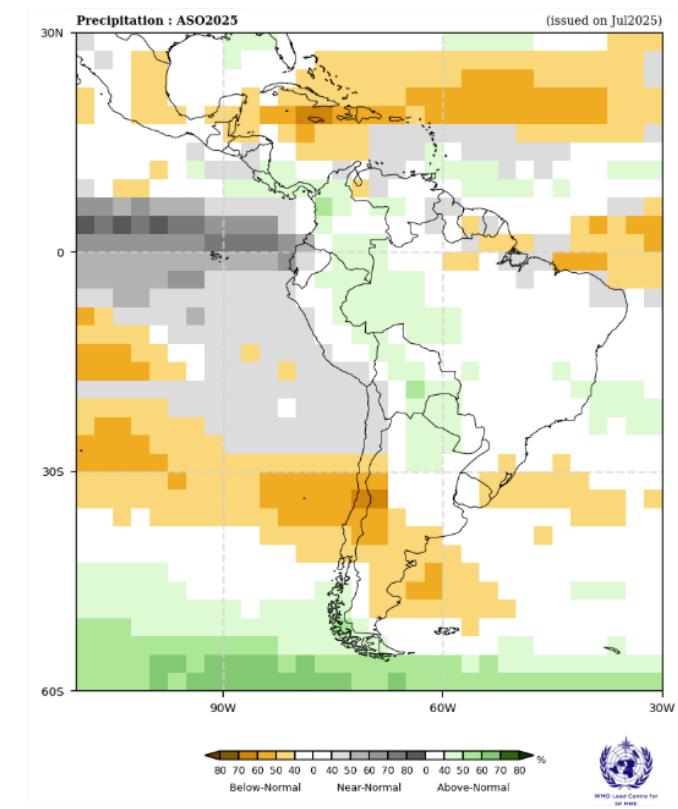
Unweighted mean



Modelos "Europeus"

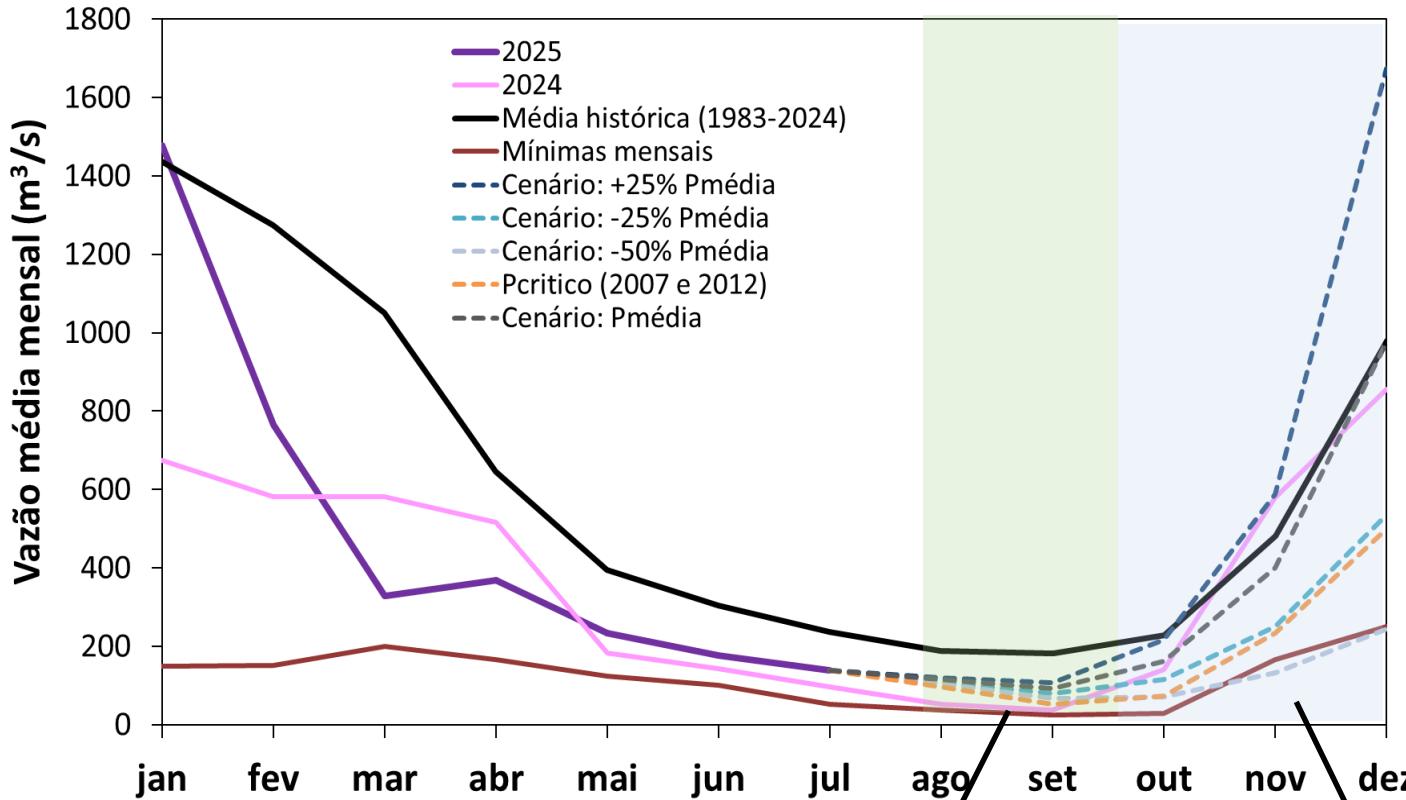


Modelos Norte Americanos



Modelos da WMO

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



Ago-Set (Meses Secos)

MLT: $184 m^3/s$

Vazão	% MLT
$114 m^3/s$	62%
$104 m^3/s$	56%
$95 m^3/s$	51%
$75 m^3/s$	41%

Out-Dez (Meses Chuvosos)

MLT: $563 m^3/s$

Vazão	% MLT
$826 m^3/s$	147%
$513 m^3/s$	91%
$300 m^3/s$	53%
$269 m^3/s$	48%