



CEMADEN

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

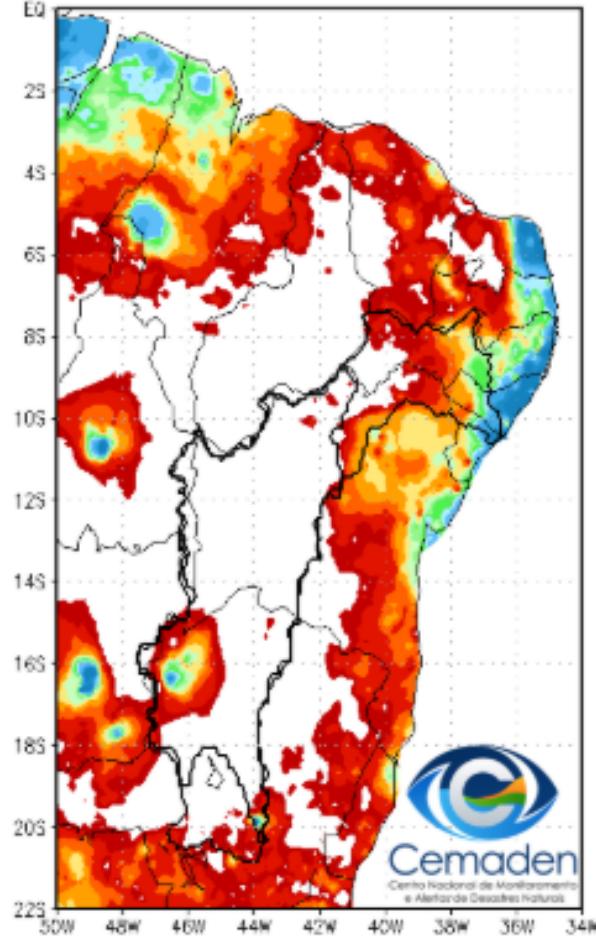
Monitoramento, Previsões
e Projeções para a
Bacia do Rio São Francisco

01 de Julho de 2025

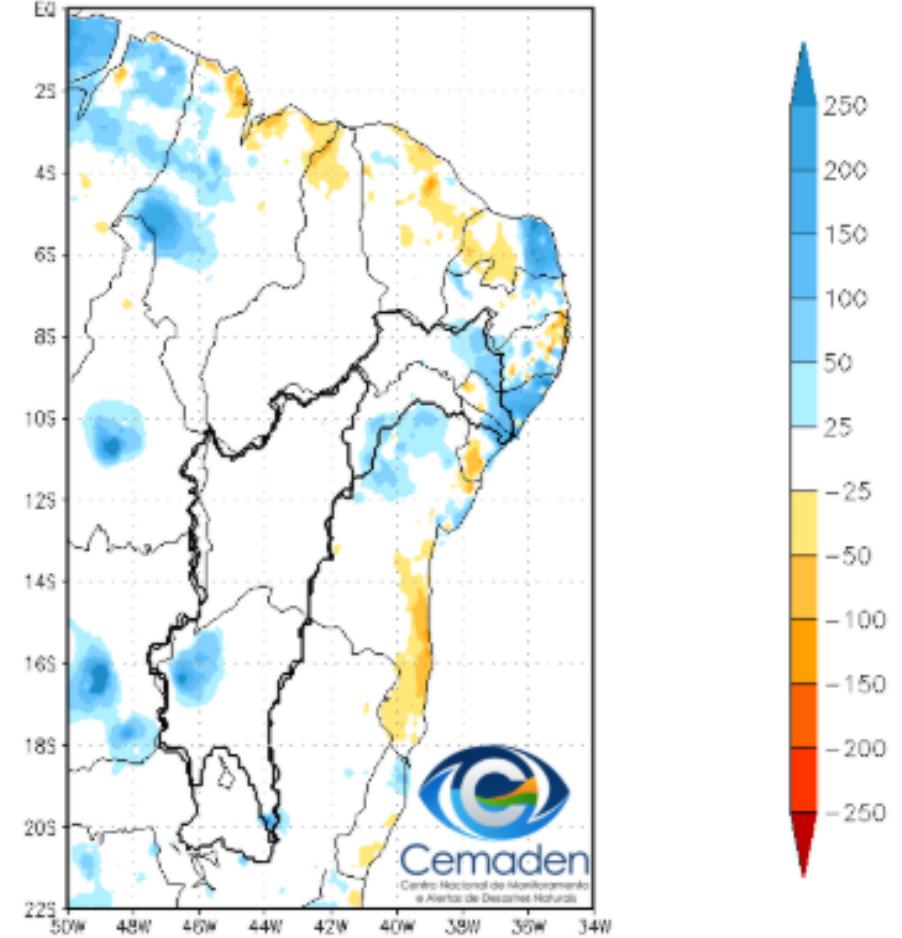


Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Periodo: 31/05/2025 a 30/06/2025

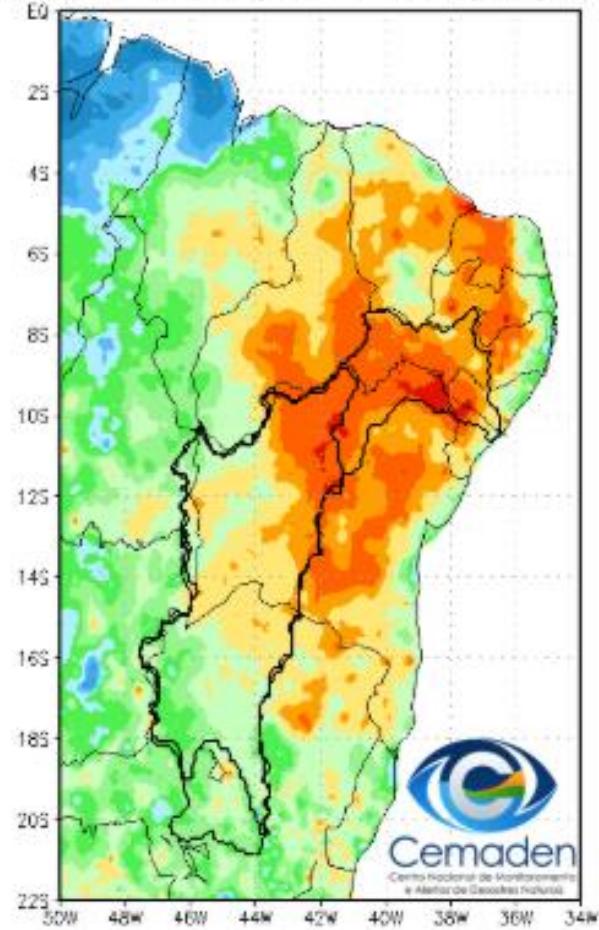


Anomalia de Precipitacao (mm) A.S.
Periodo: 31/05/2025 a 30/06/2025

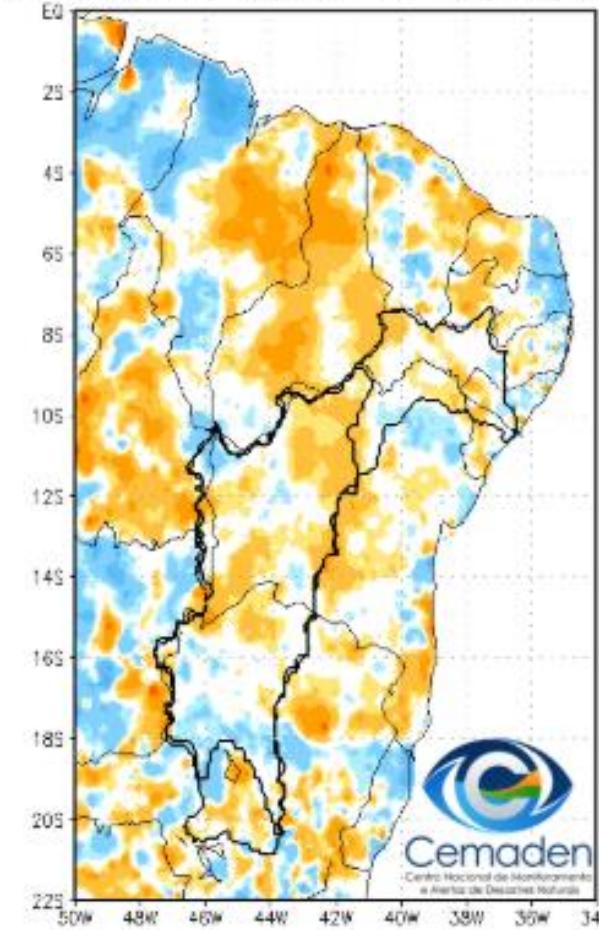


Chuva no Ano Hidrológico - desde 01/10/2024

Precipitacao Acumulada (mm) A.S.
Periodo: 01/10/2024 a 30/06/2025

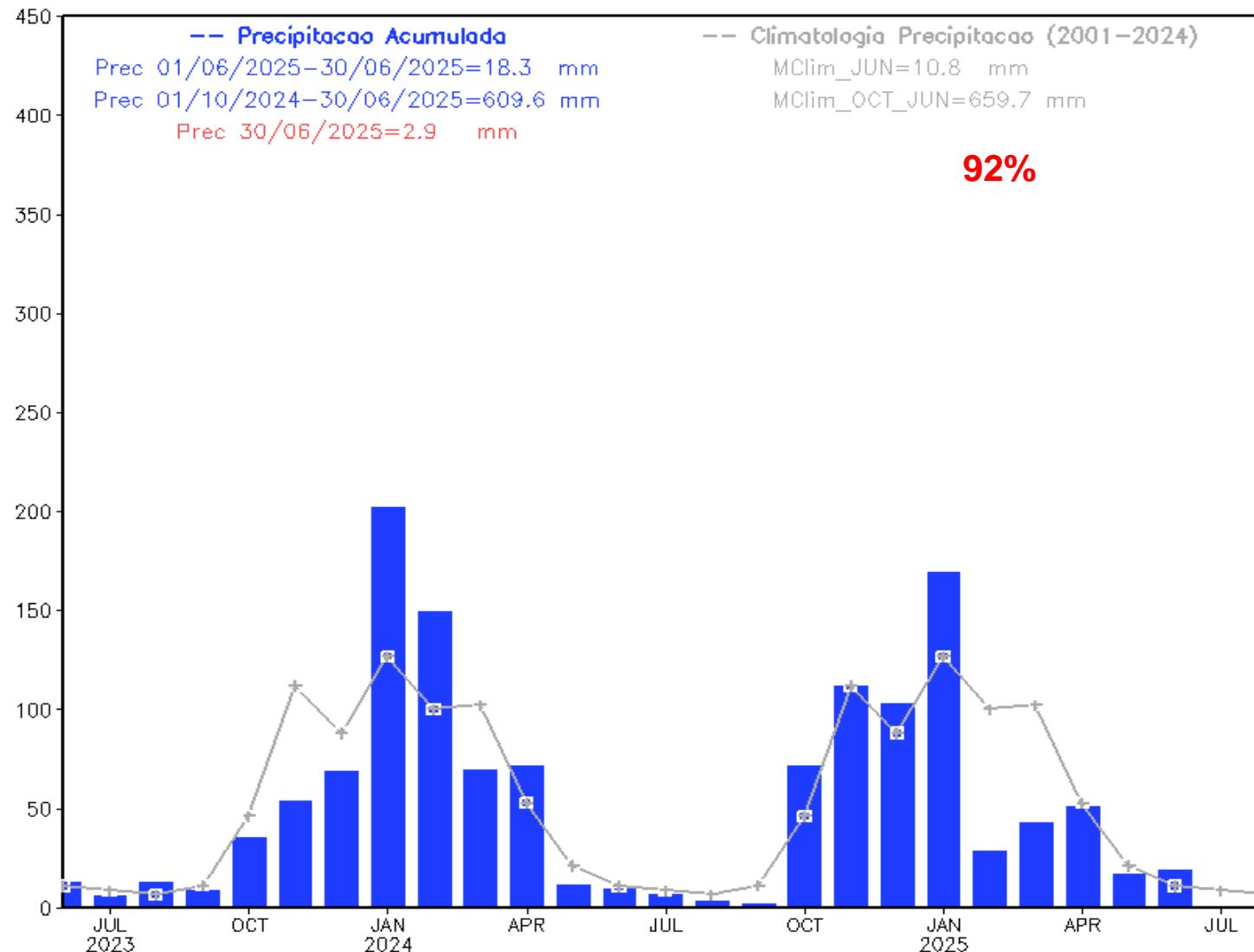


Anomalia de Precipitacao (mm) A.S.
Periodo: 01/10/2024 a 30/06/2025

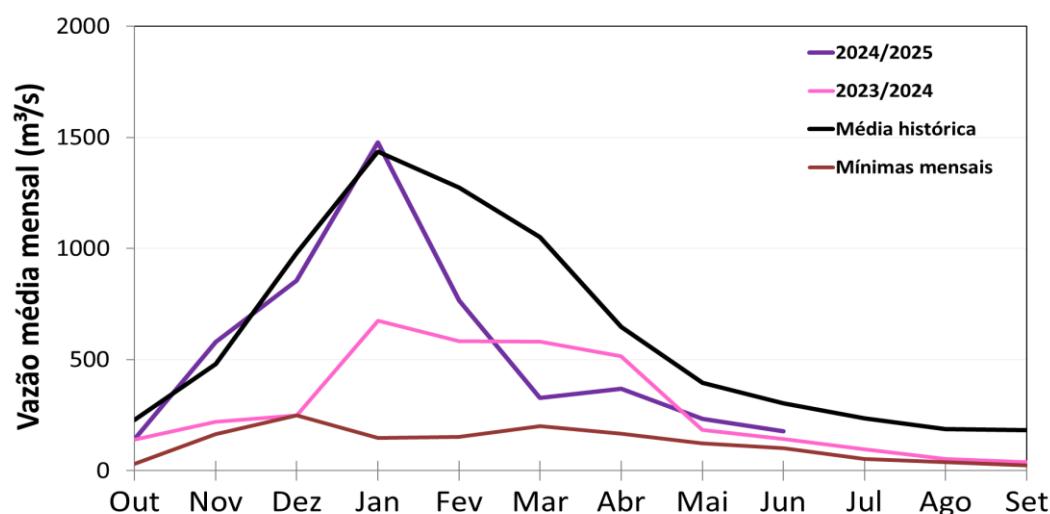
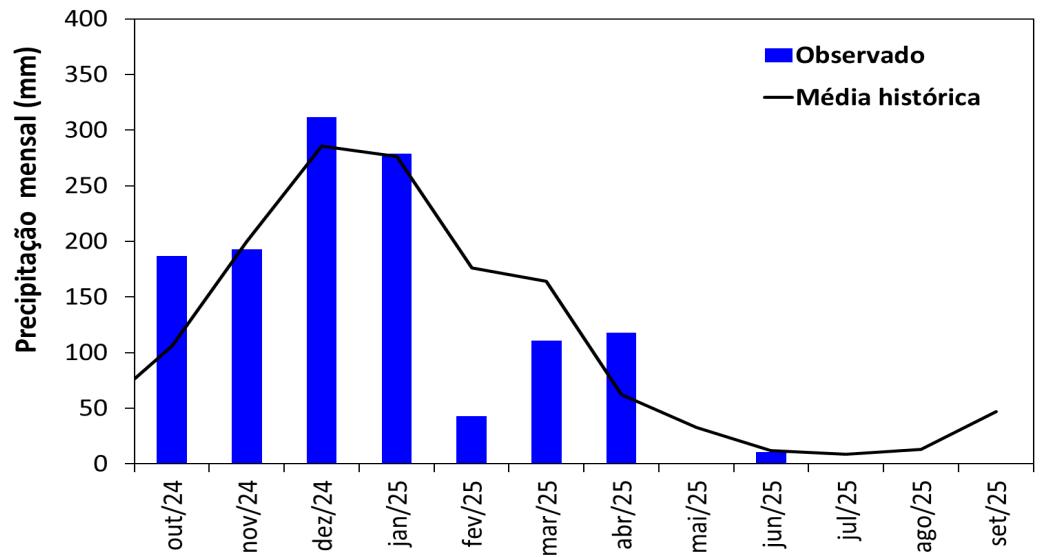


Chuva dos últimos dois anos

Precipitacao Bacia do Rio Sao_Francisco desde JUN 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*: 129 mm (150% da MLT PARCIAL)

Jun/25*: 10 mm (87% da MLT)

*Até 29/06/2025

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**: 259 m^3/s (80% da MLT)

Jun/25: 176 m^3/s (58% da MLT)

29/jun/25: 148 m^3/s (49% da MLT)

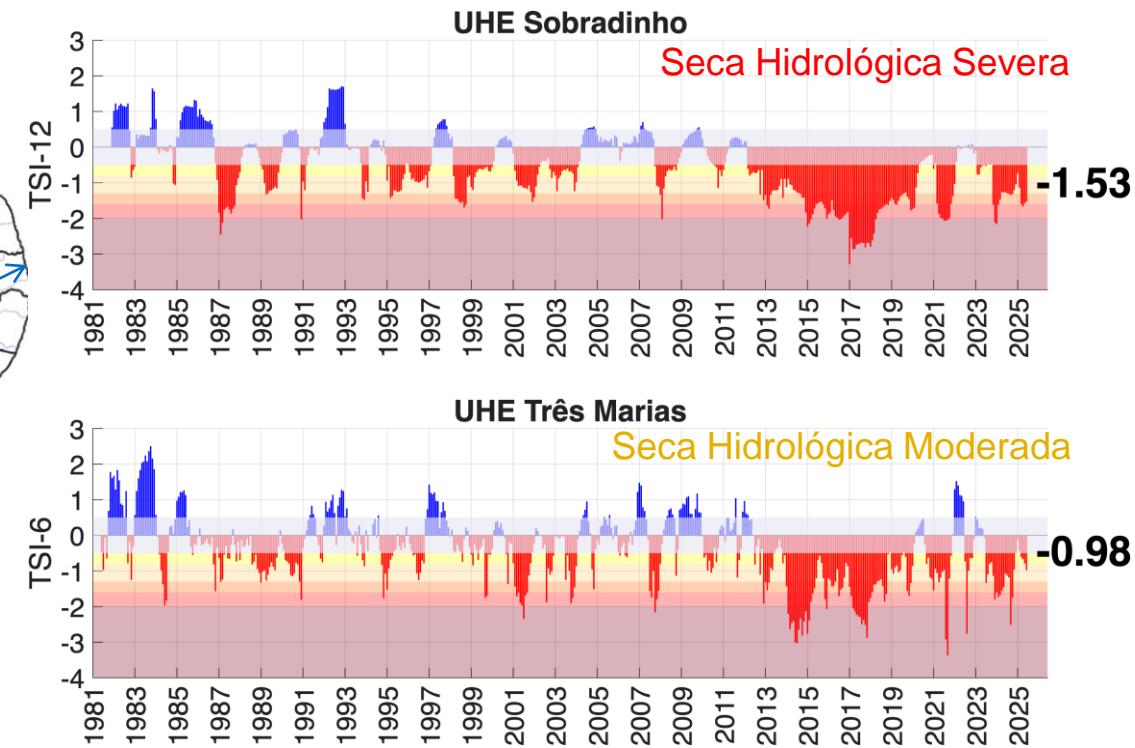
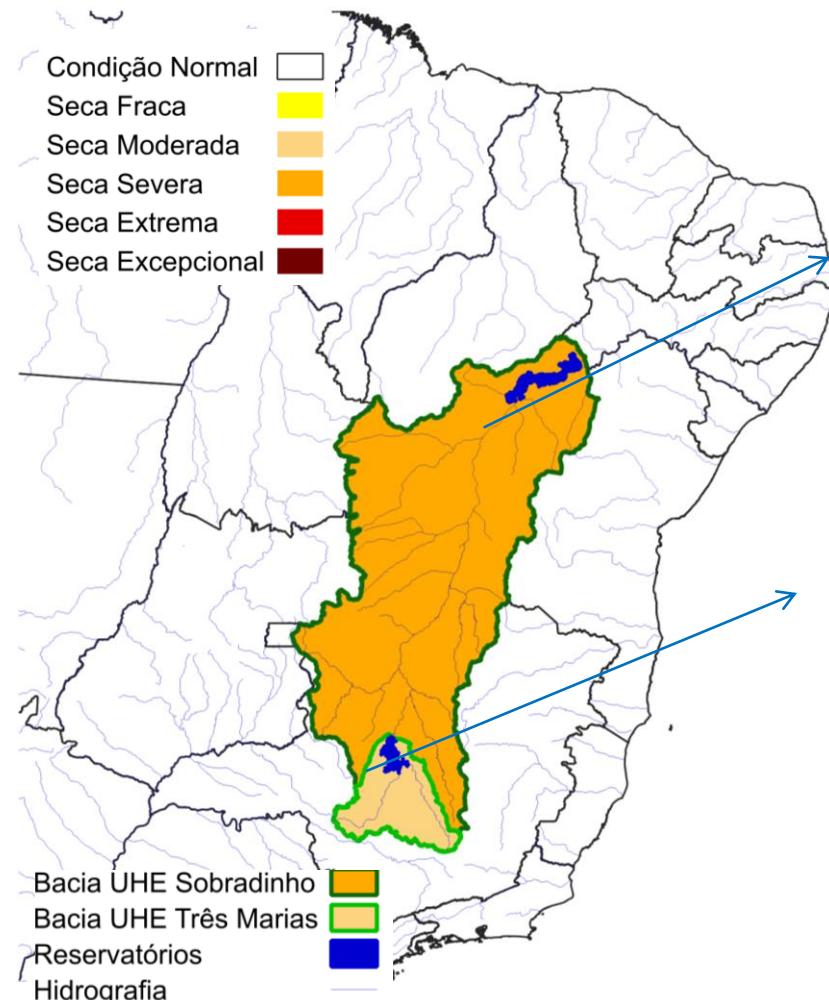
**Até 29/06/2025

Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

Monitoramento UHE Três Marias e Sobradinho

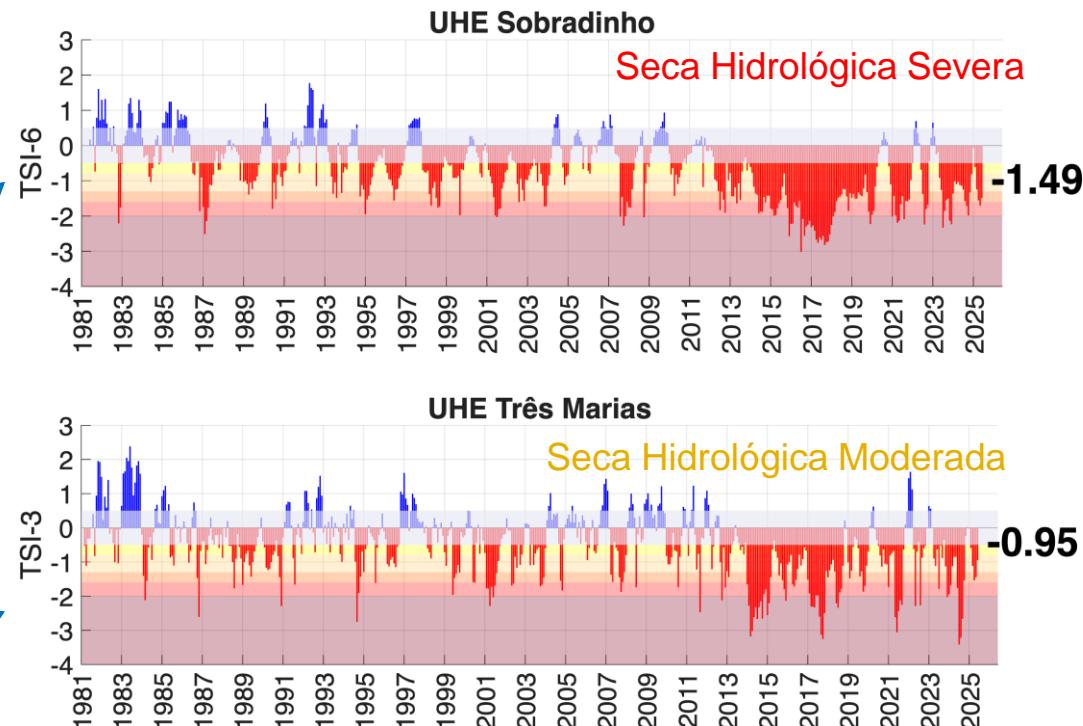
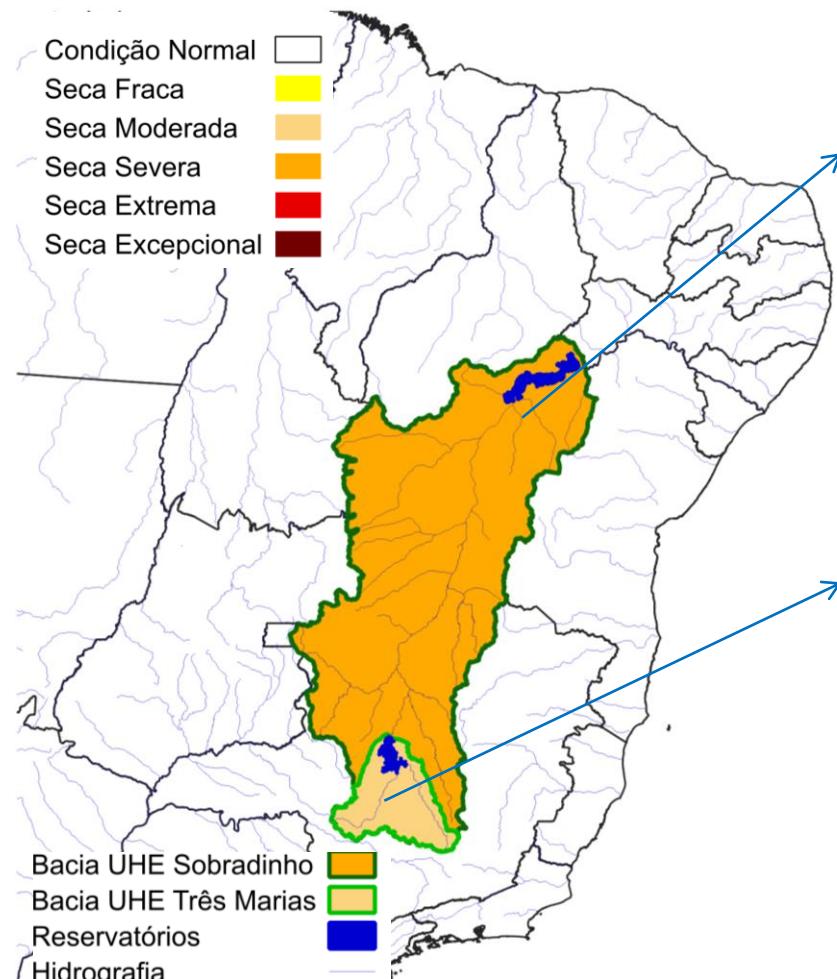
Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Junho/2025 Longo Prazo



Bacia afluente à UHE:	TSI-Maio	TSI-Junho
Sobradinho	Severa (-1.59)	Severa (-1.53)
Três Marias	Fraca (-0.79)	Moderada (-0.98)

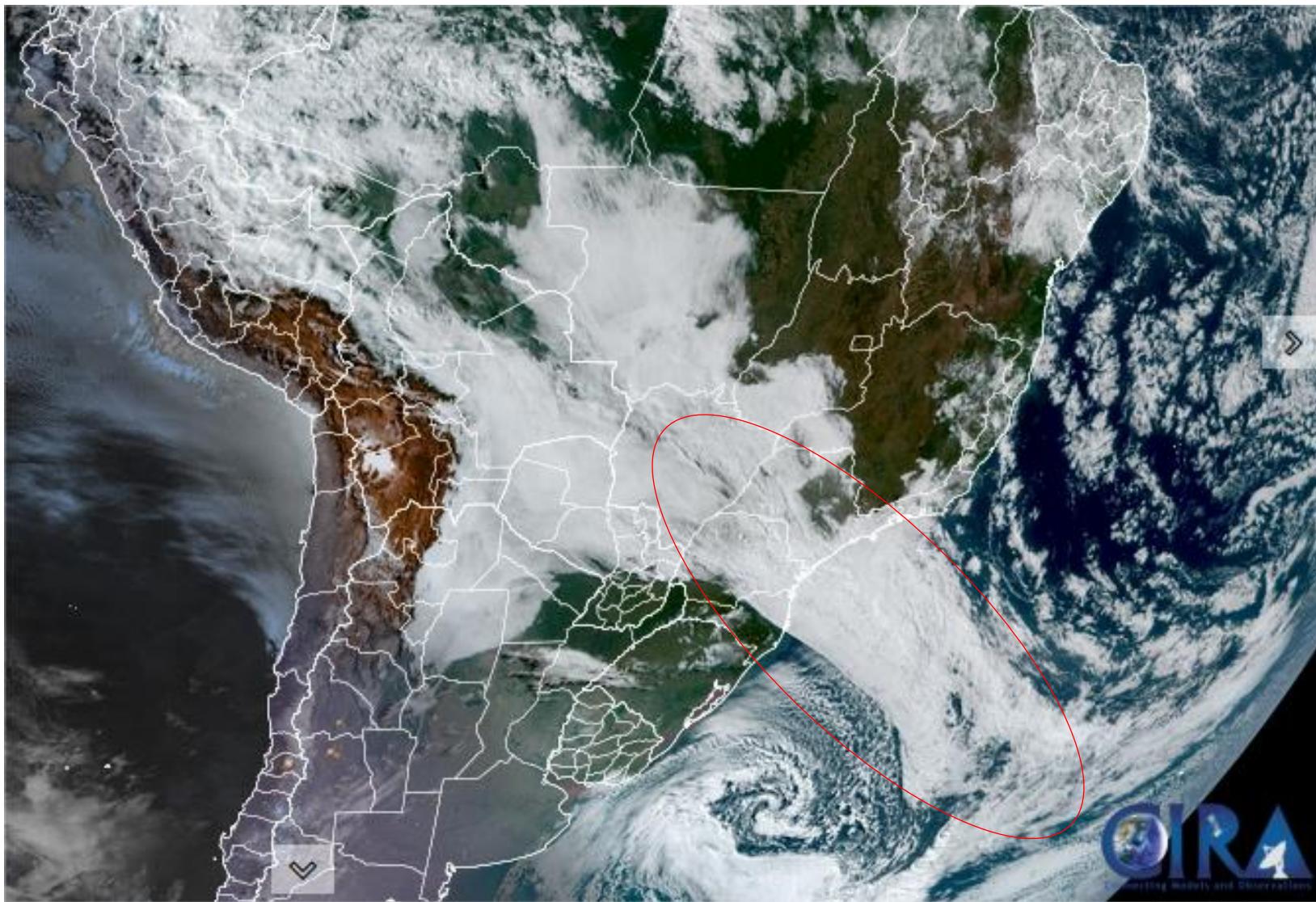
Monitoramento UHE Três Marias e Sobradinho

Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Junho/2025 Curto Prazo

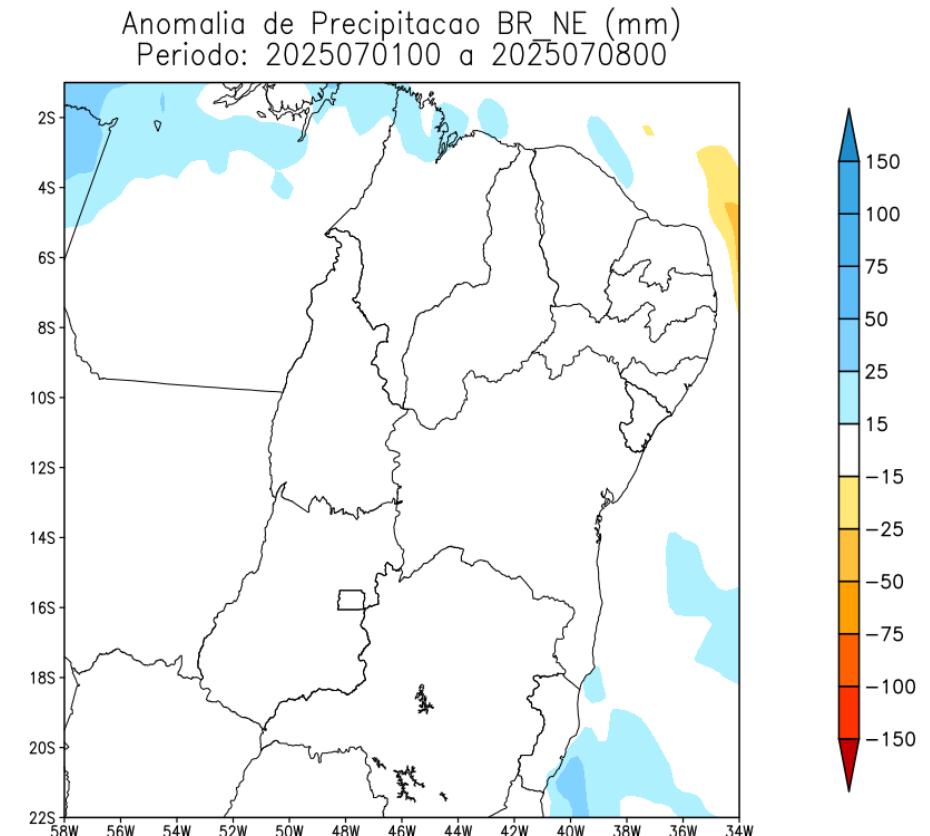
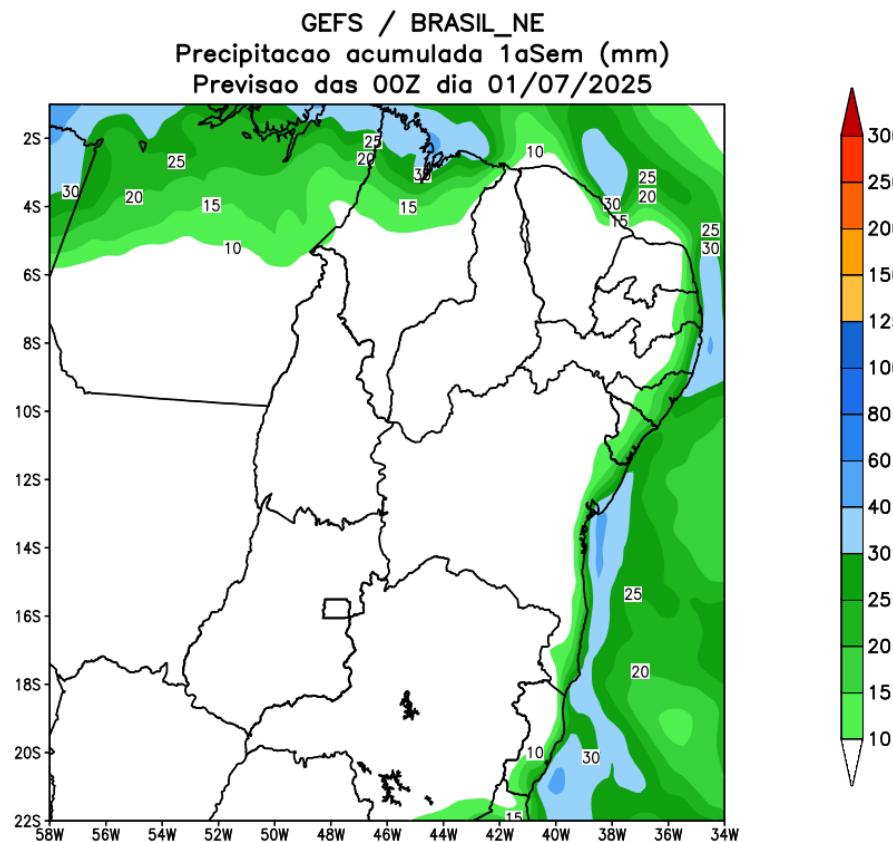


Bacia afluente à UHE:	TSI-Maio	TSI-Junho
Sobradinho	Severa (-1.45)	Severa (-1.49)
Três Marias	Extrema (-1.72)	Moderada (-0.95)

Situação meteorológica atual

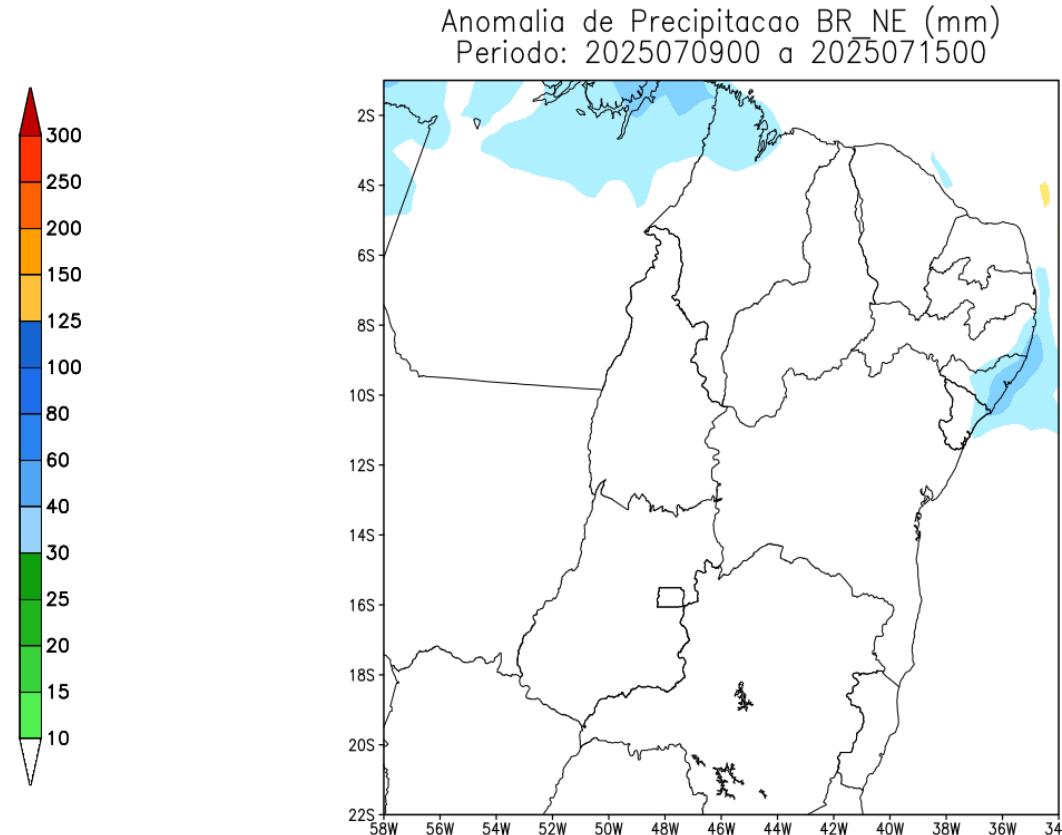
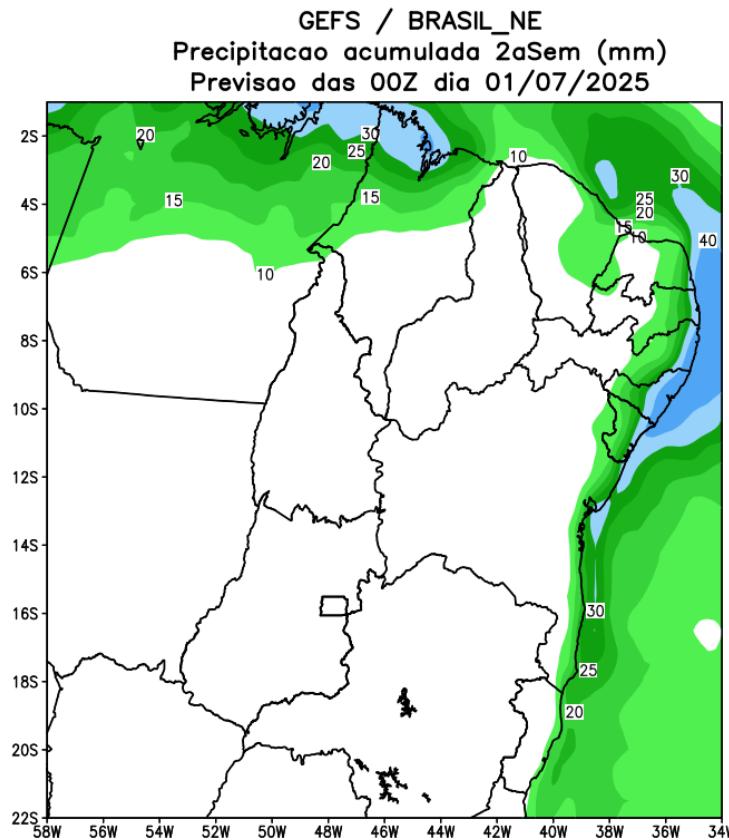


Previsão de chuva próximos 7 dias



Fonte: GEFS/NOAA

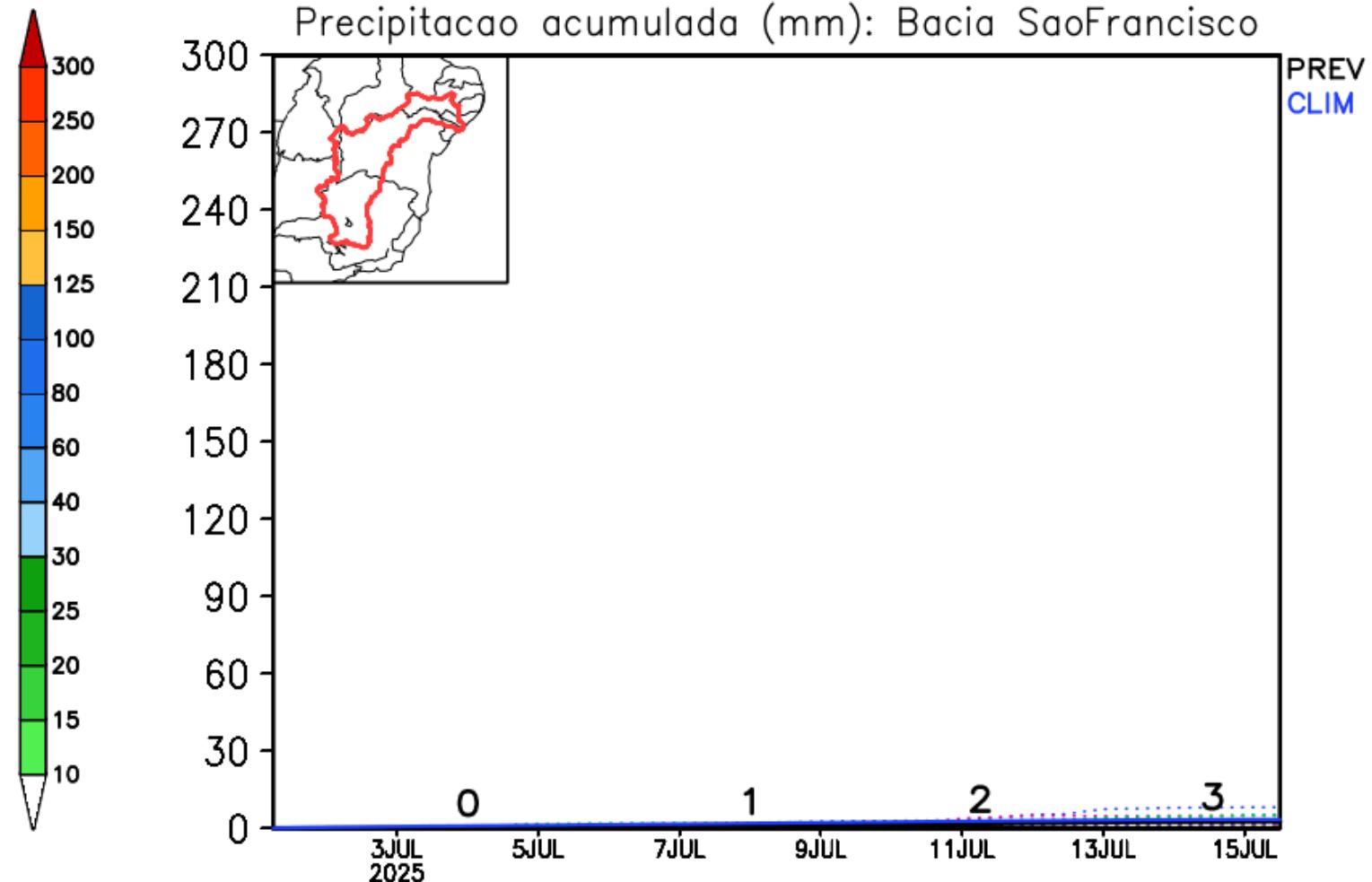
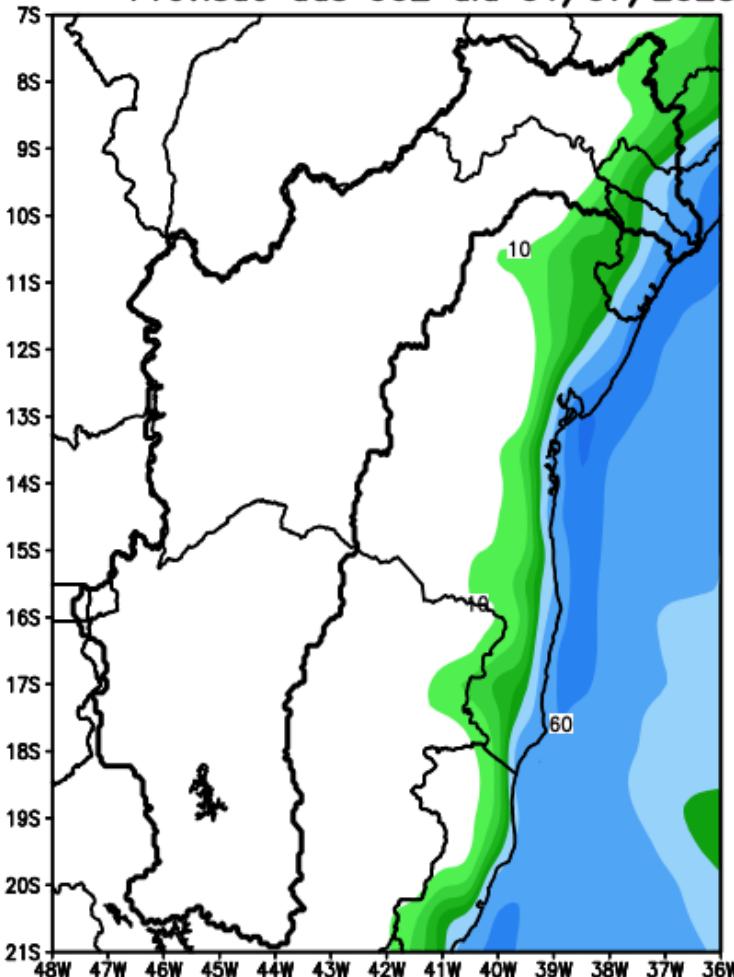
Tendência para a 2a semana



Modelo GFS/NOAA

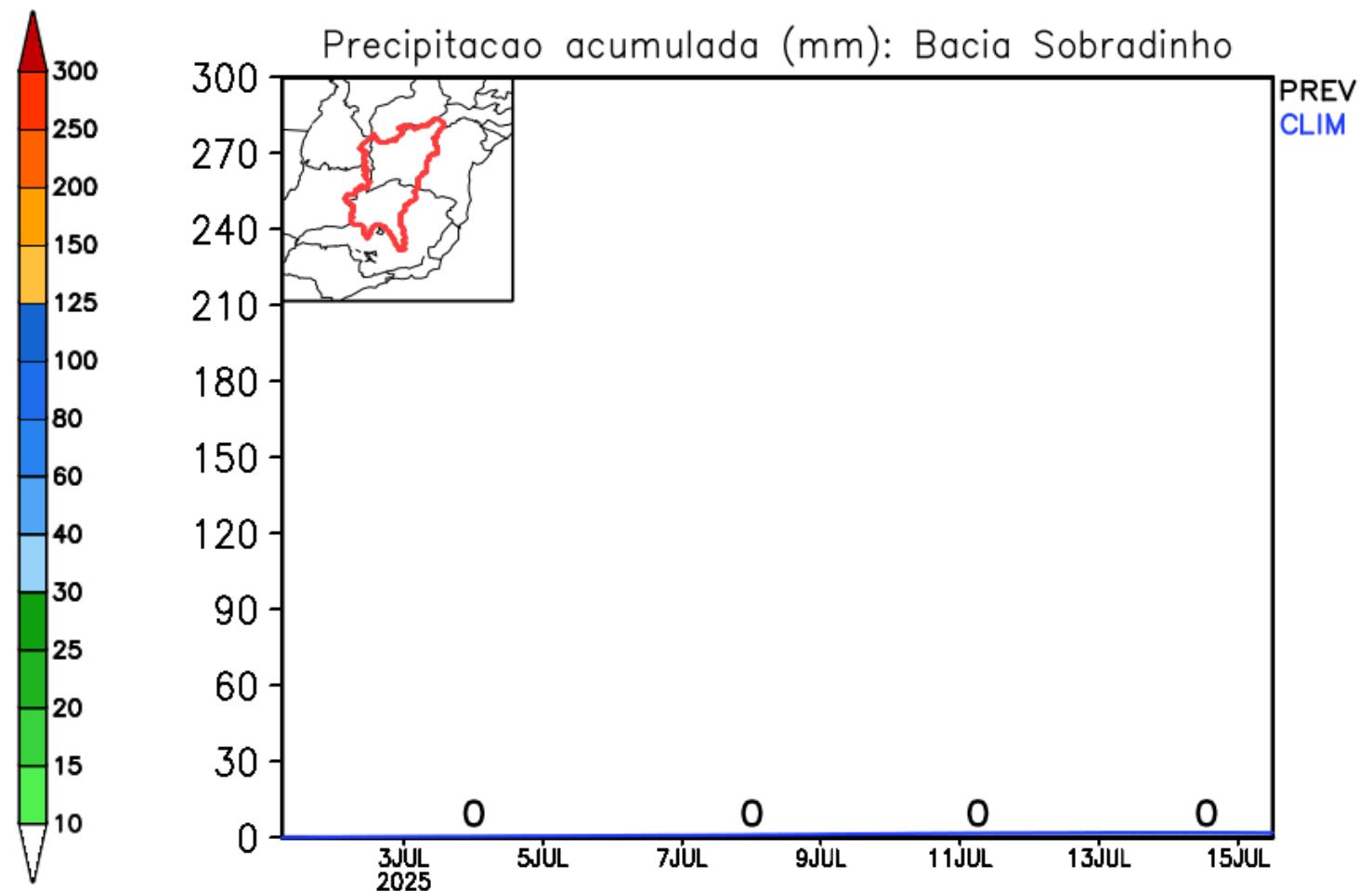
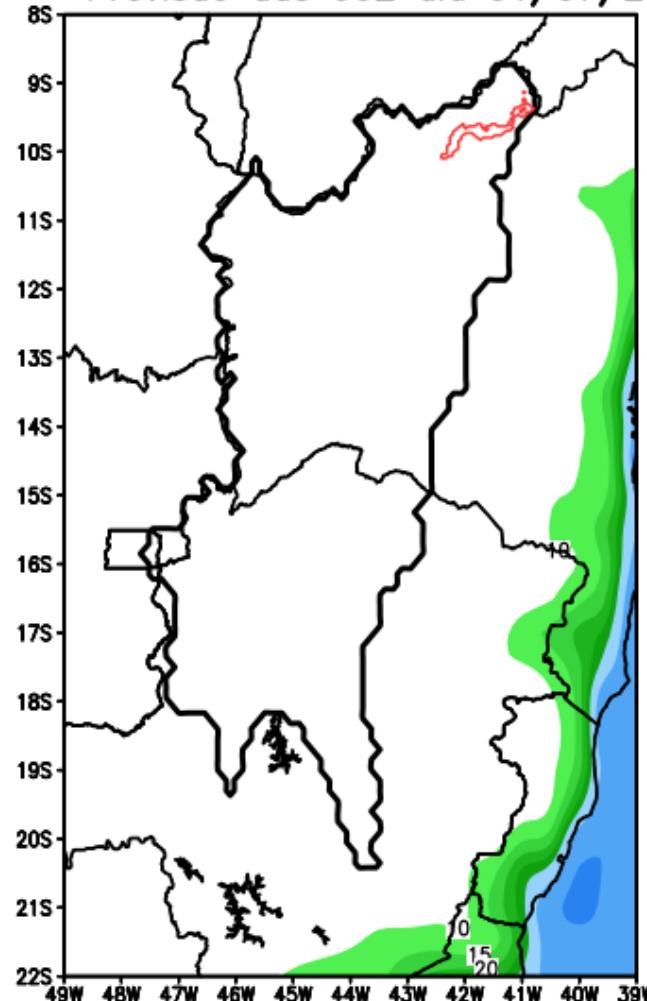
Bacia do rio São Francisco

GEFS / Bacia do Rio São Francisco
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 01/07/2025

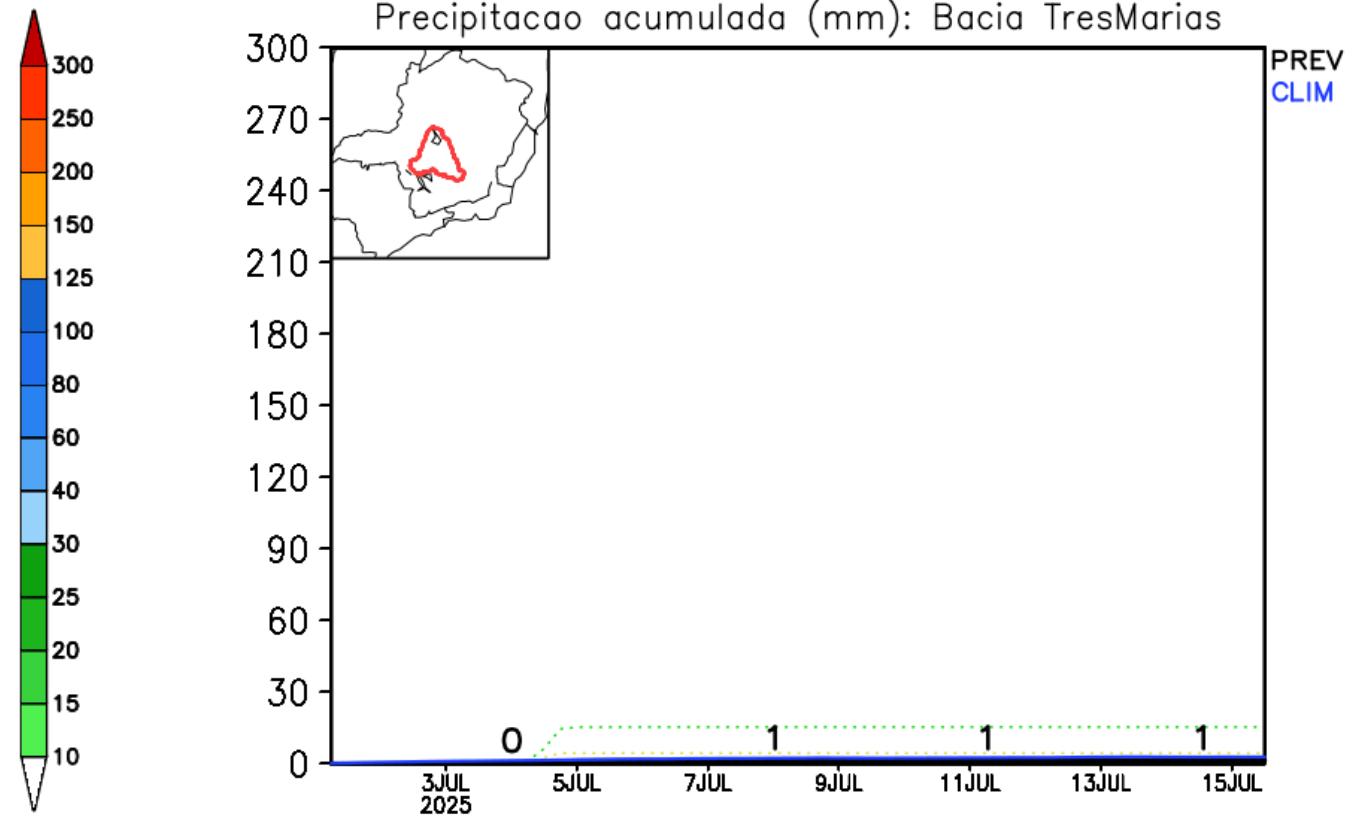
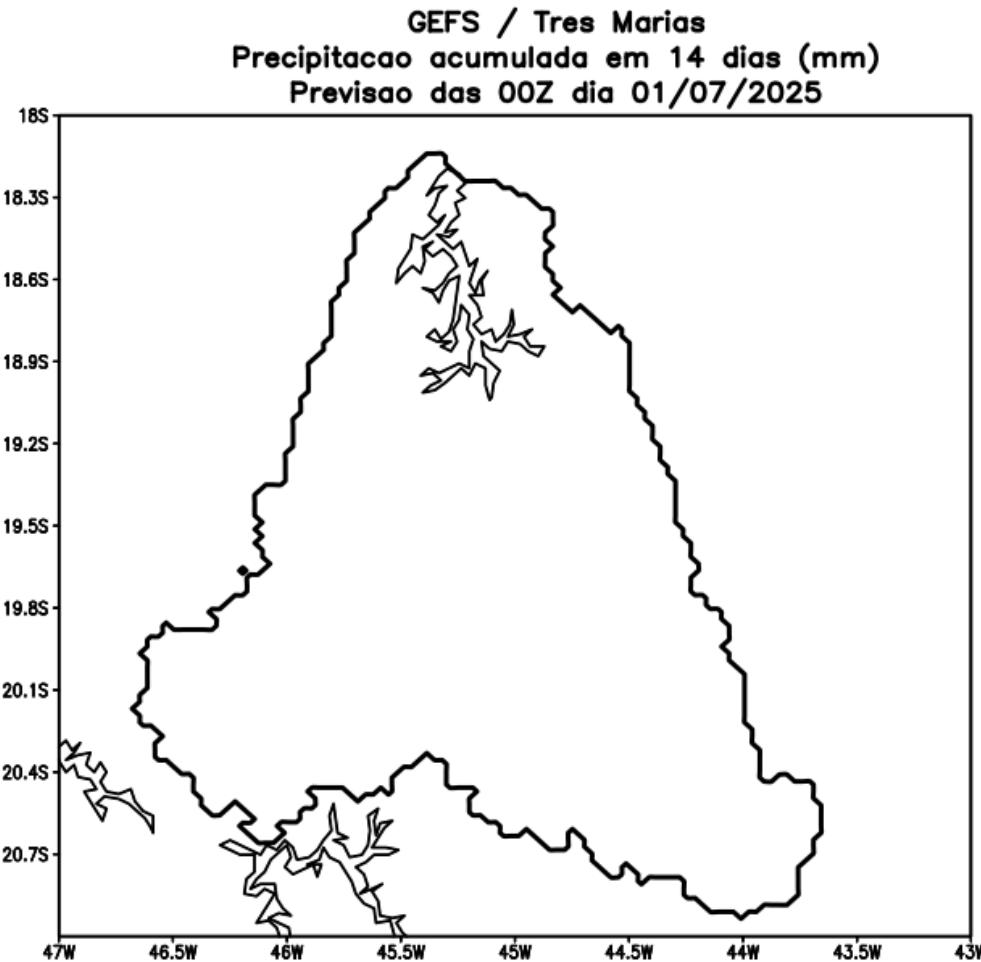


Bacia de Sobradinho

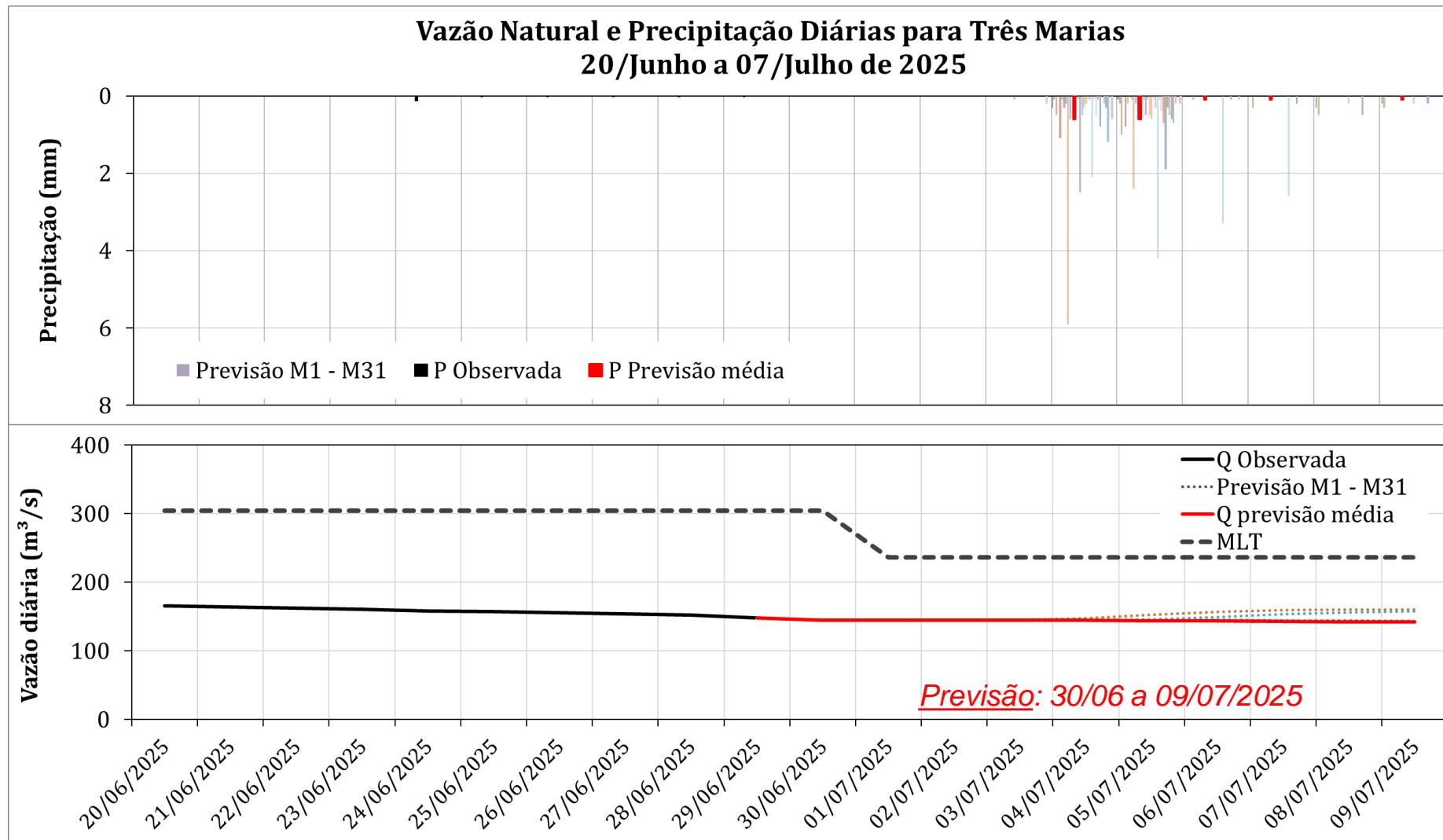
GEFS / Sobradinho
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 01/07/2025

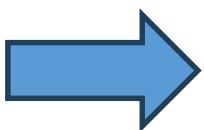


Bacia de Três Marias



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

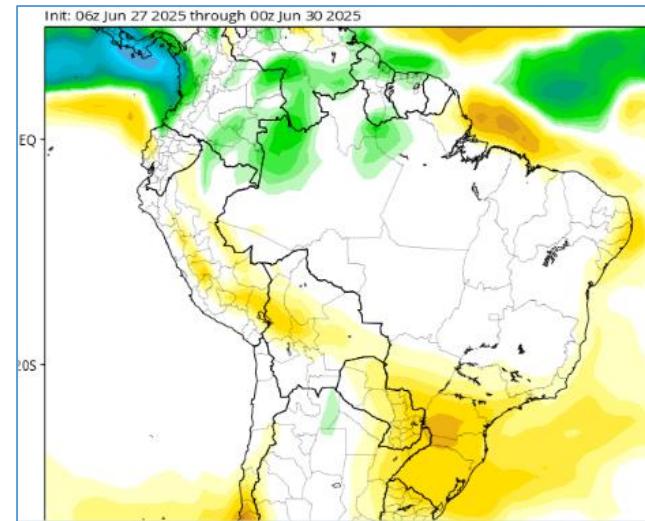


Previsão média para
os próximos 10 dias: 144 m^3/s  61% da MLT de Julho

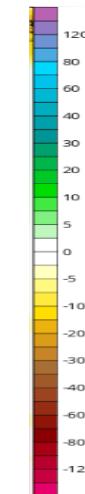
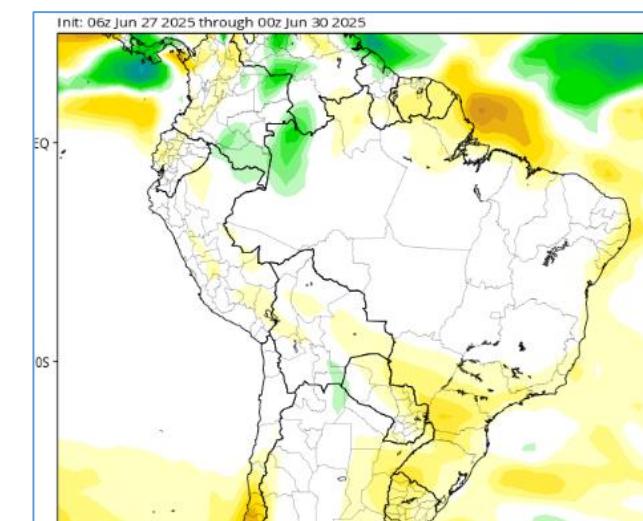
Anomalia de Chuva 3a e 4a semanas

CFS/NOAA

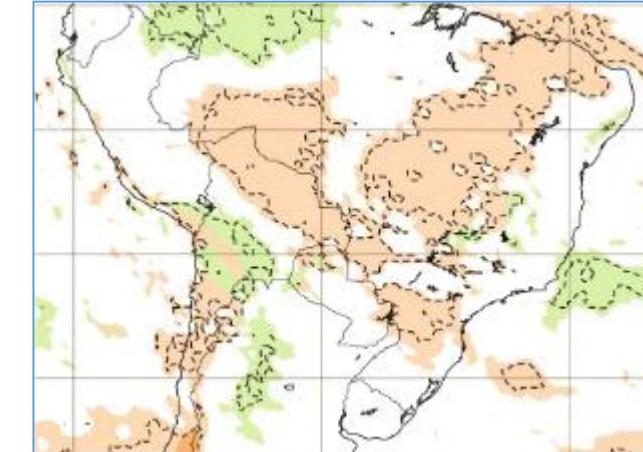
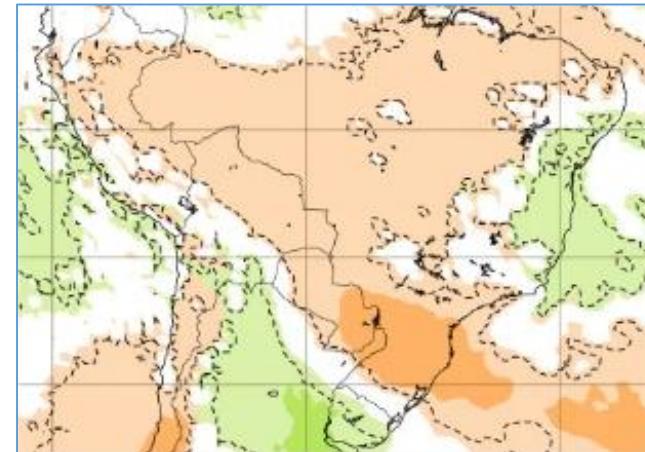
14-21 Jul



21-28 Jul



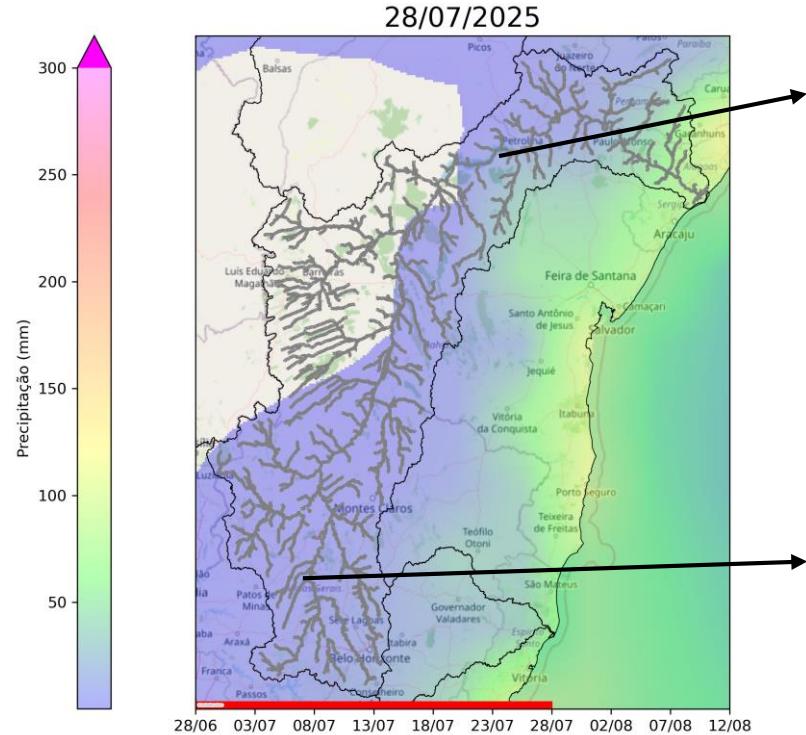
ECMWF



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

UHE Sobradinho

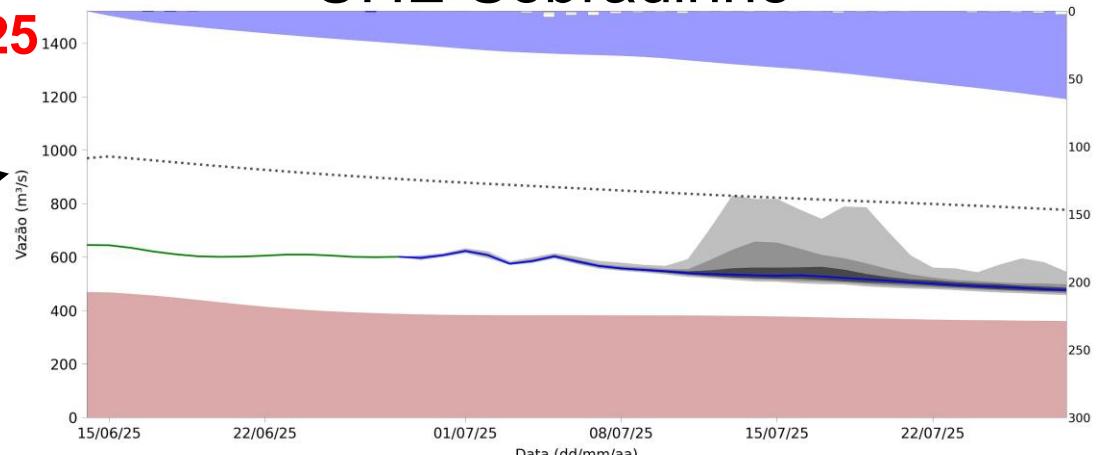
Previsão: 28/06/2025 a 28/07/2025



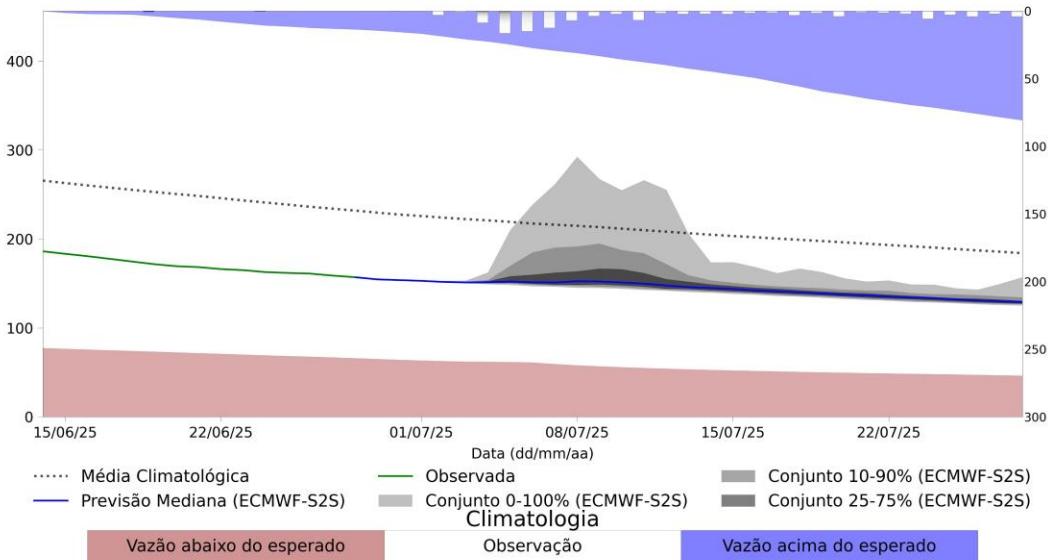
Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)

MLT: 1993-2024

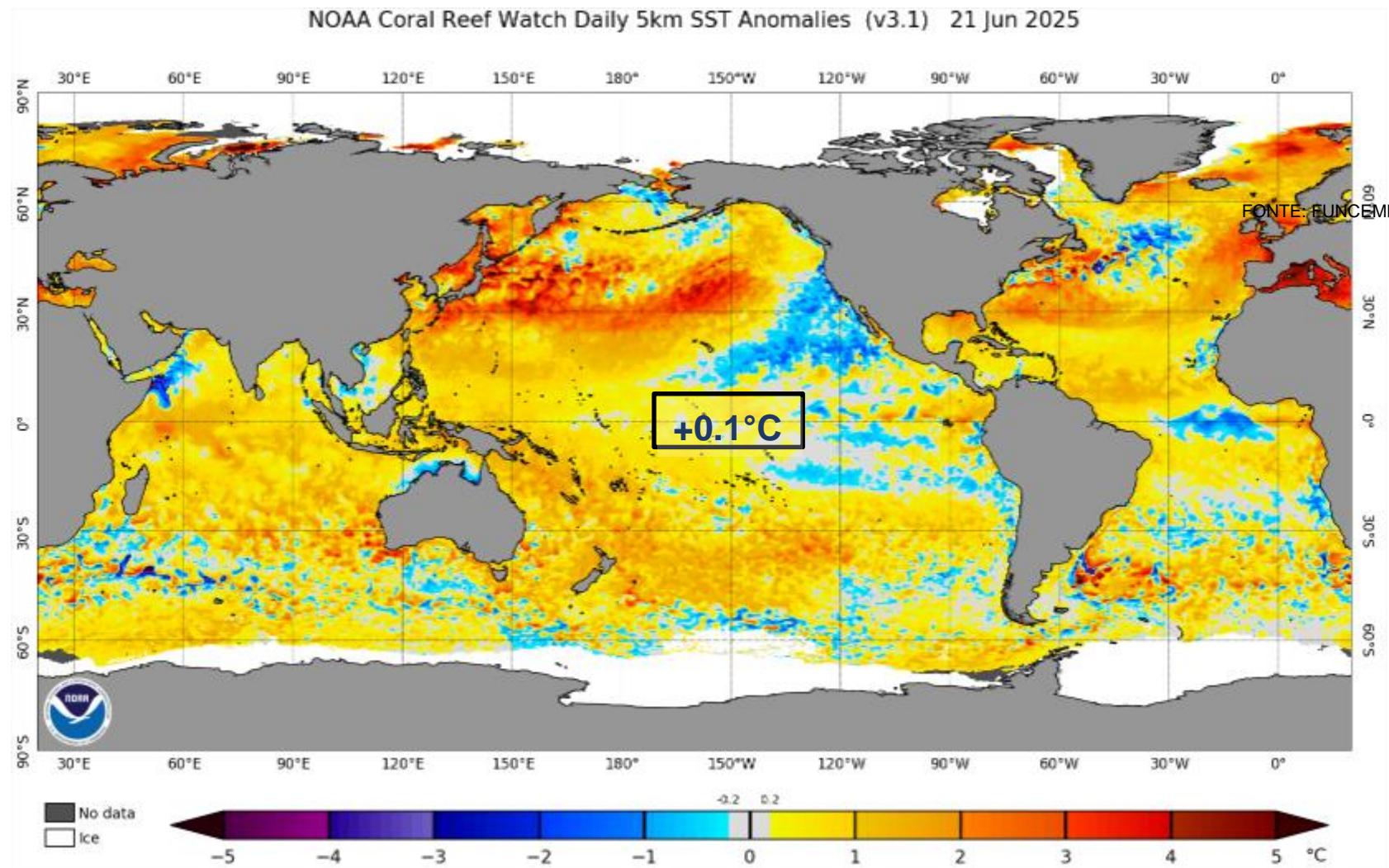
Previsão Meteorológica: ECMWF-S2S



UHE Três Marias

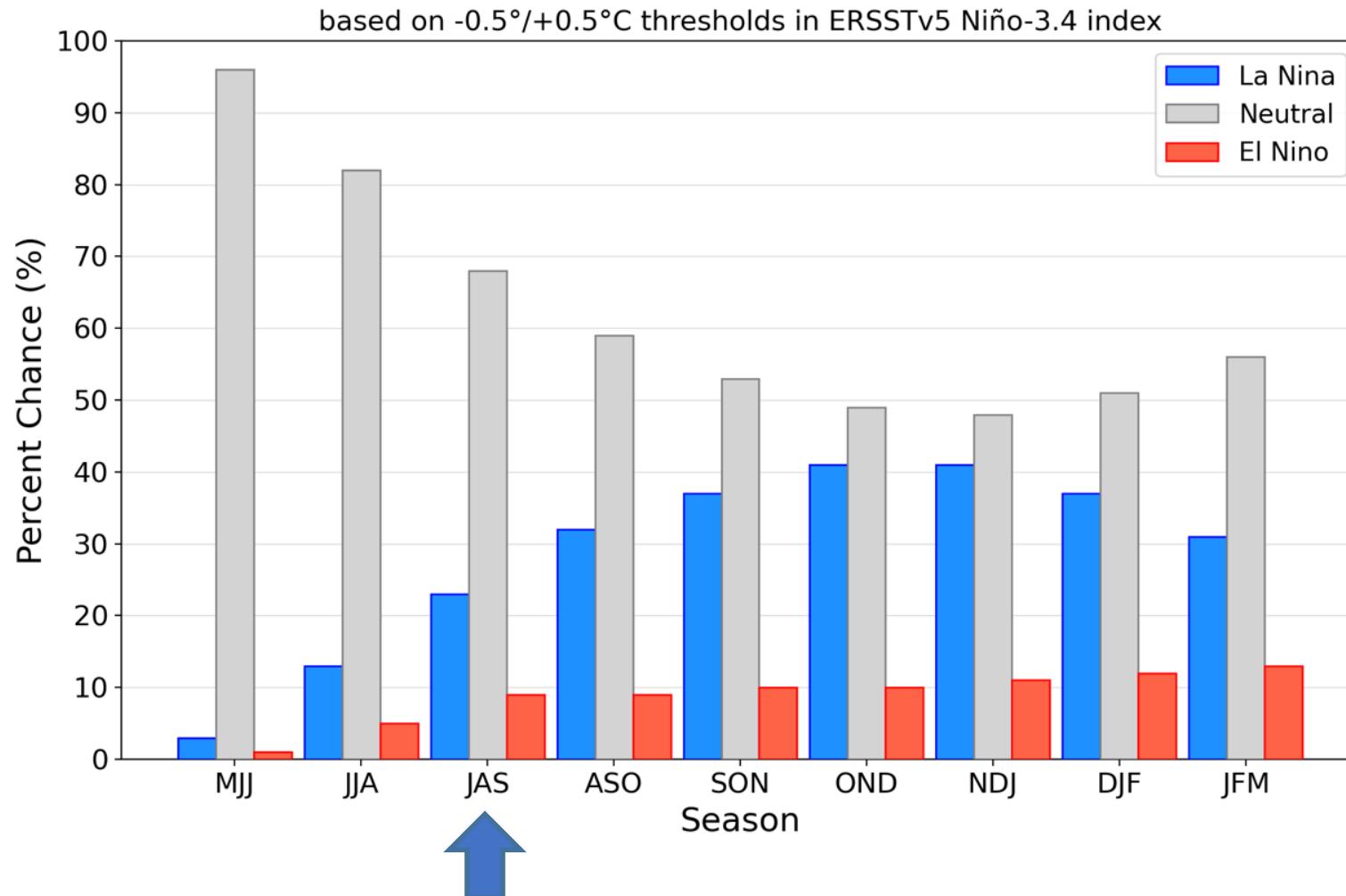


Status Atual: Neutralidade



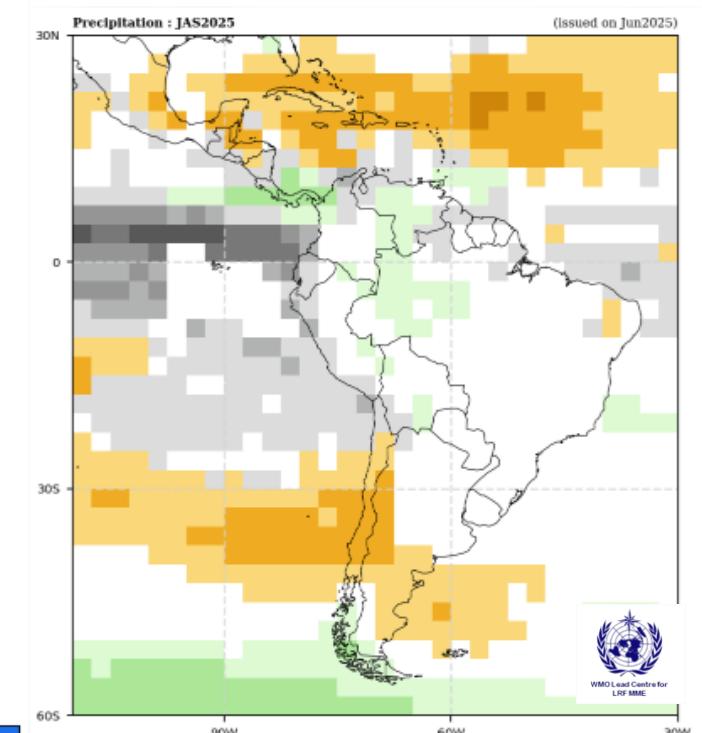
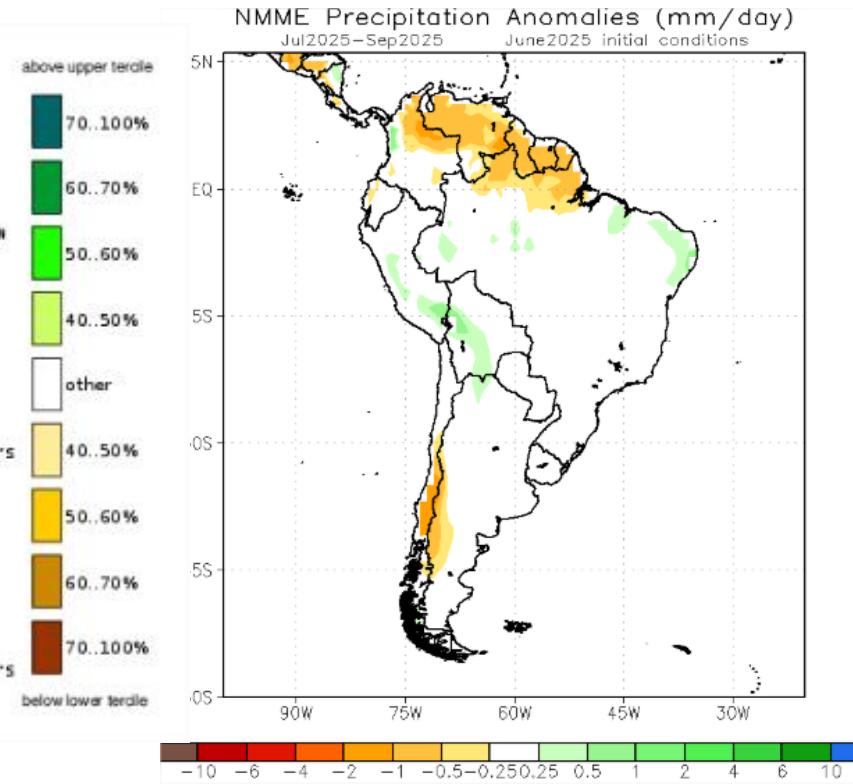
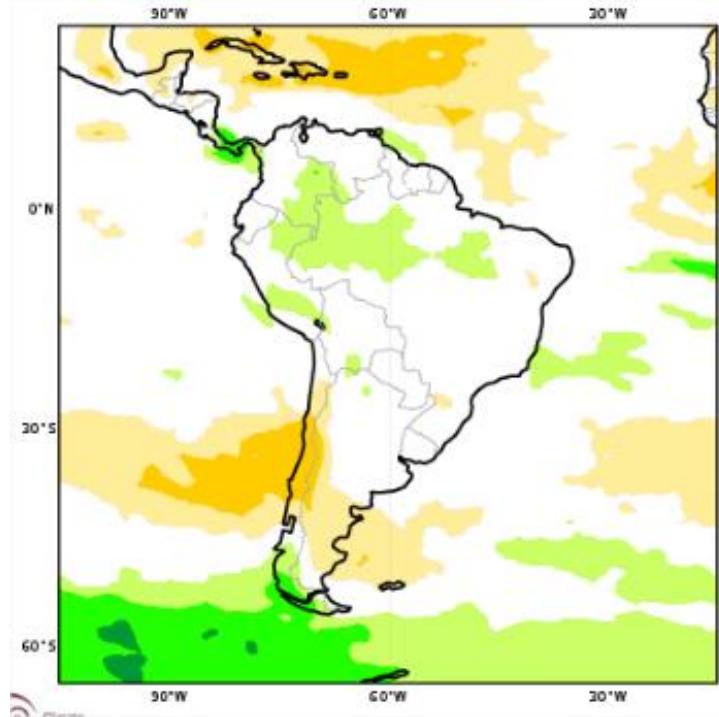
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued June 2025)

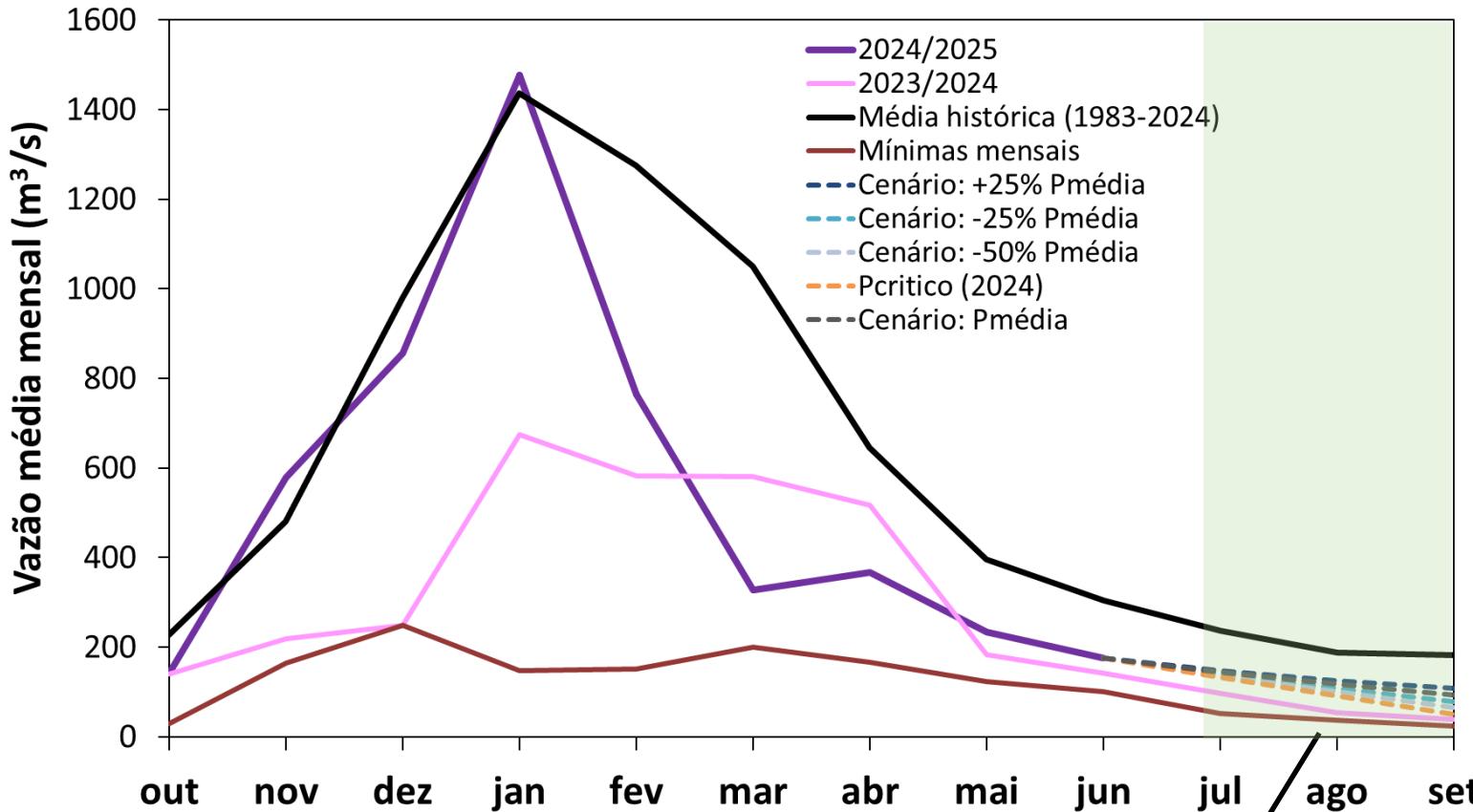


Previsão Sazonal de Chuva Multi-Modelo

Julho-Agosto-Setembro



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



Jul-Set (Meses secos 2025)
MLT: 202 m^3/s

Vazão	% MLT
127 m^3/s	63%
118 m^3/s	59%
109 m^3/s	54%
101 m^3/s	50%
91 m^3/s	45%