



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

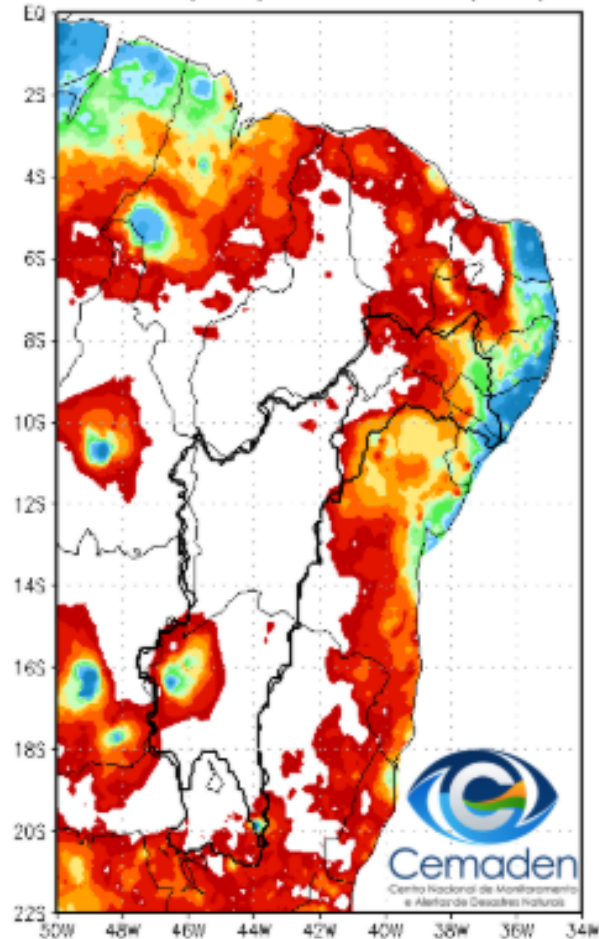


MINISTÉRIO DA
**CIÊNCIA, TECNOLOGIA
E INOVAÇÃO**

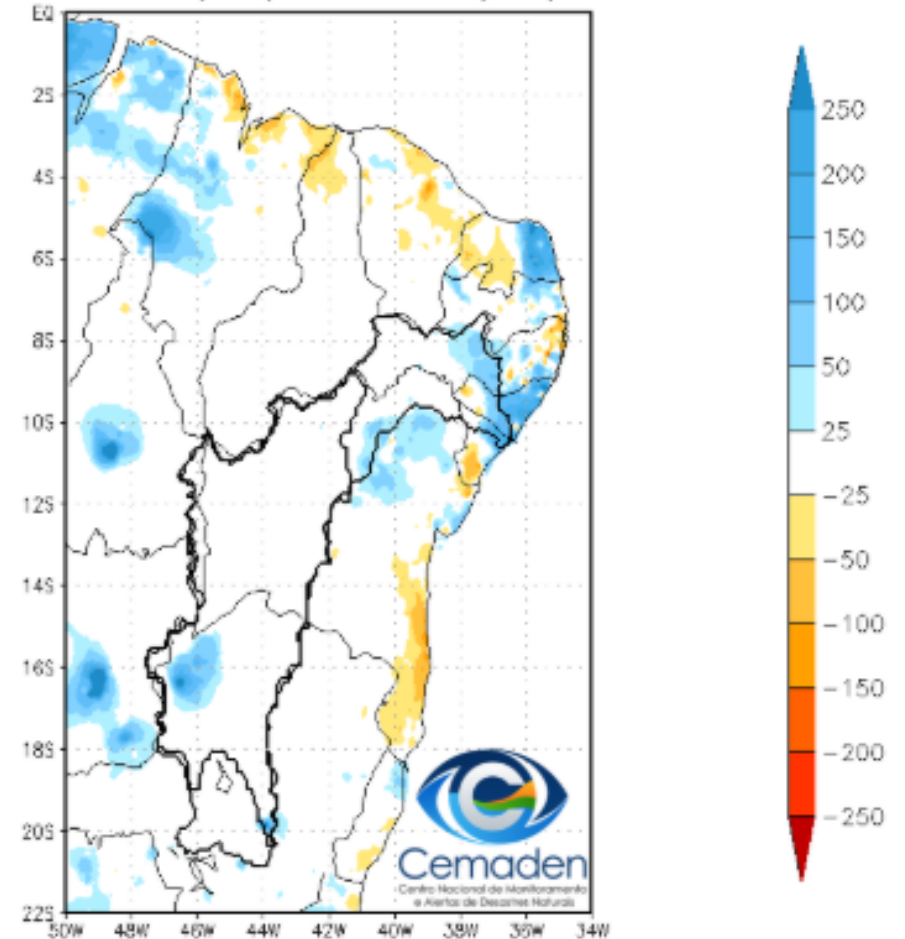


Chuva dos últimos 30 dias

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

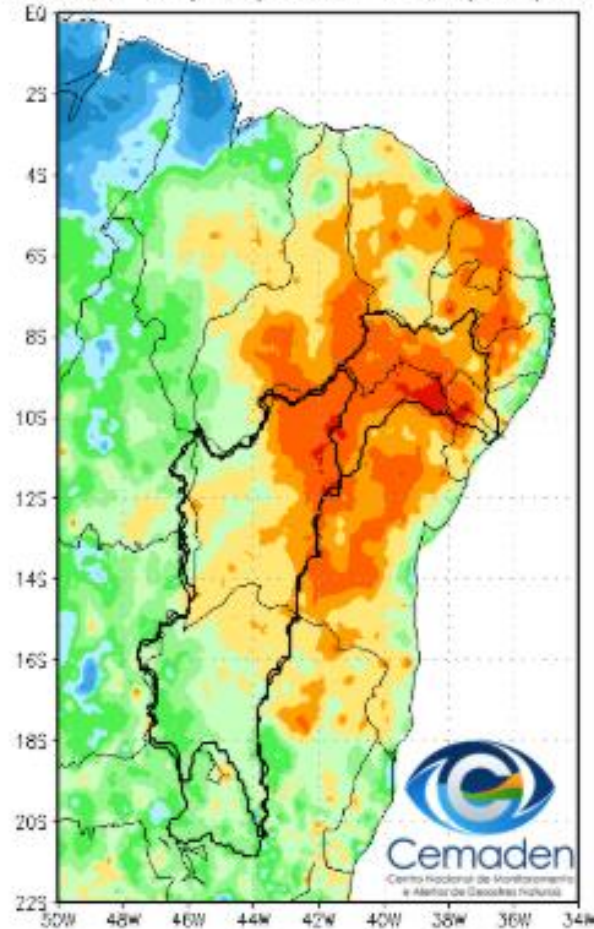


Anomalia de Precipitacao (mm) A.S.
Período: 31/05/2025 a 30/06/2025

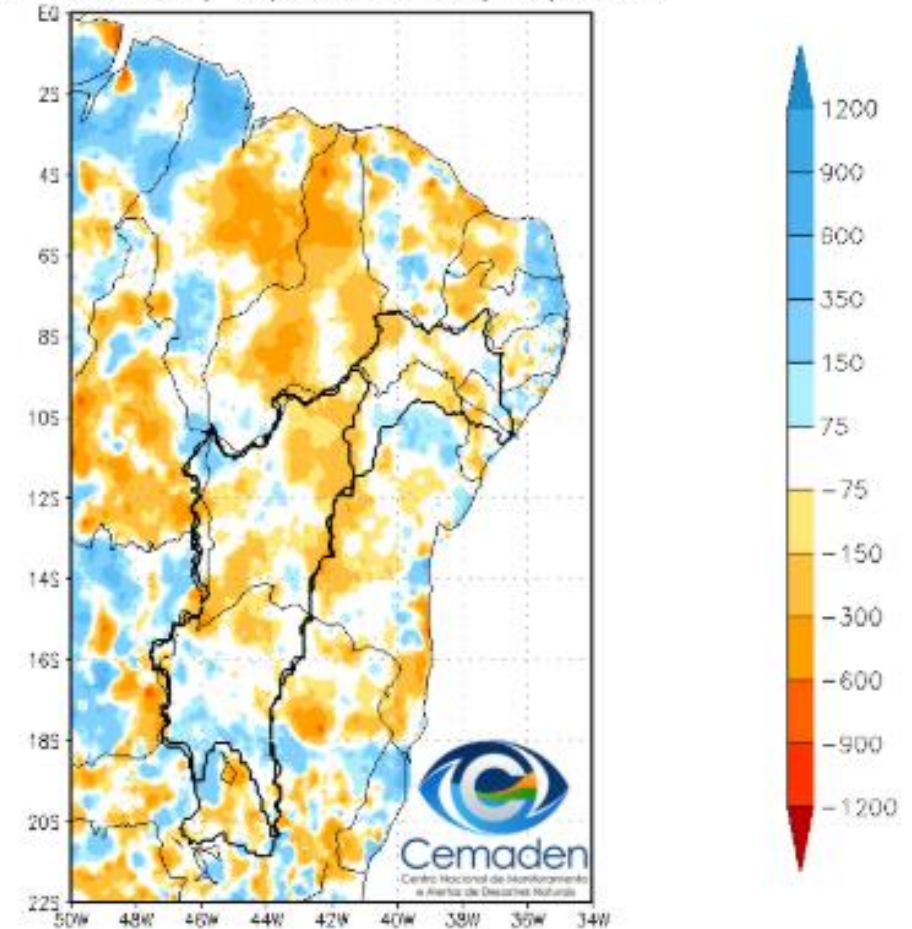


Chuva no Ano Hidrológico - desde 01/10/2024

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

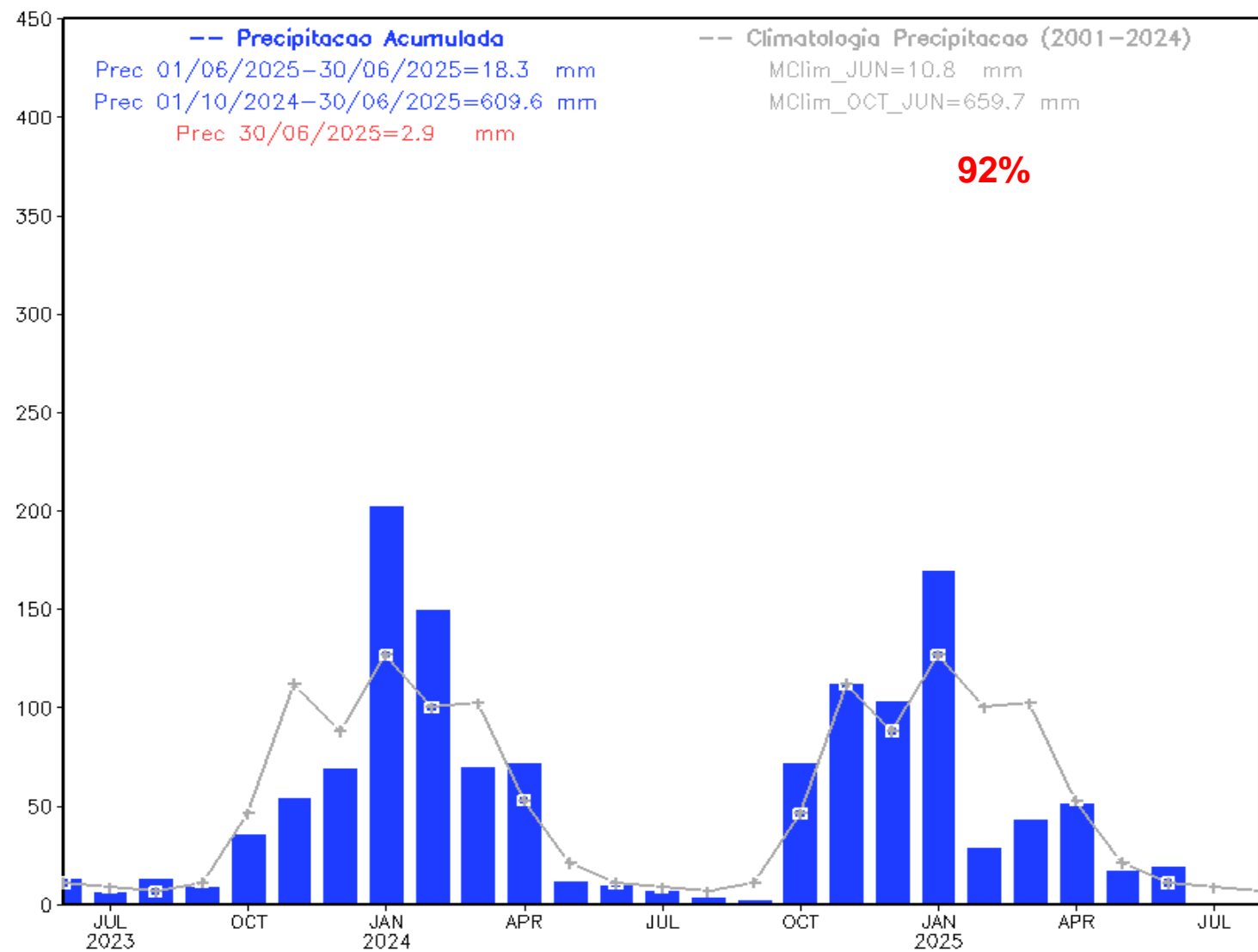


Anomalia de Precipitacao (mm) A.S.
Período: 01/10/2024 a 30/06/2025

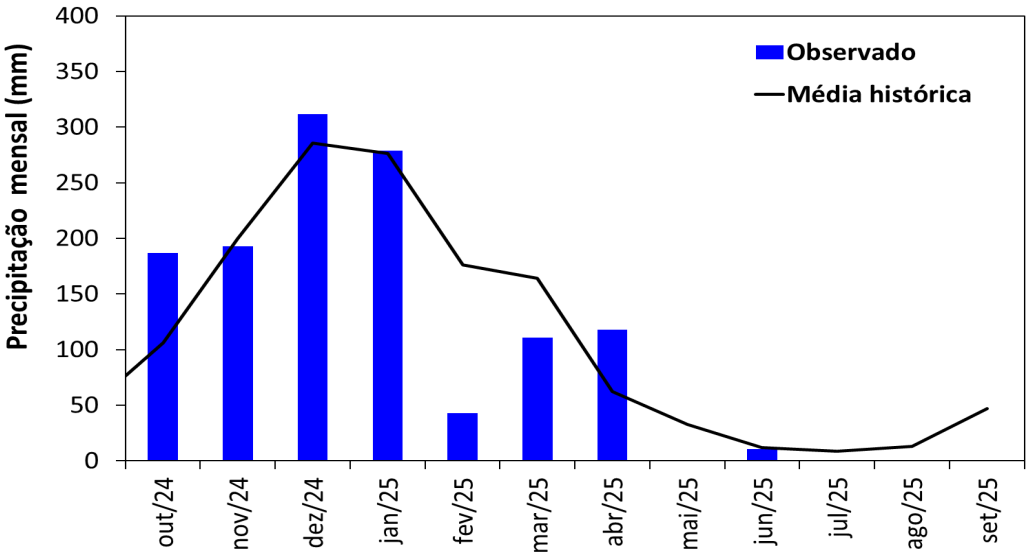


Chuva dos últimos dois anos

Precipitacao Bacia do Rio Sao_Francisco
desde JUN 2023



Monitoramento UHE Três Marias



Precipitação

Estação Chuvosa - Out a Mar - 1208 mm

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

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

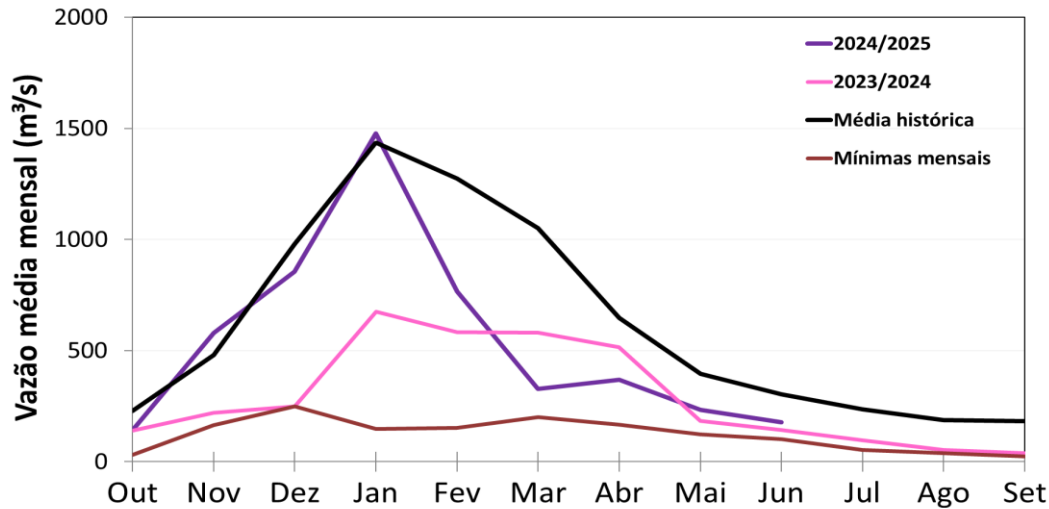
Estação Seca - Abr a Set - 175 mm

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 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*: 259 m³/s (80% da MLT)

Jun/25: 176 m³/s (58% da MLT)

29/jun/25: 148 m³/s (49% da MLT)

**Até 29/06/2025

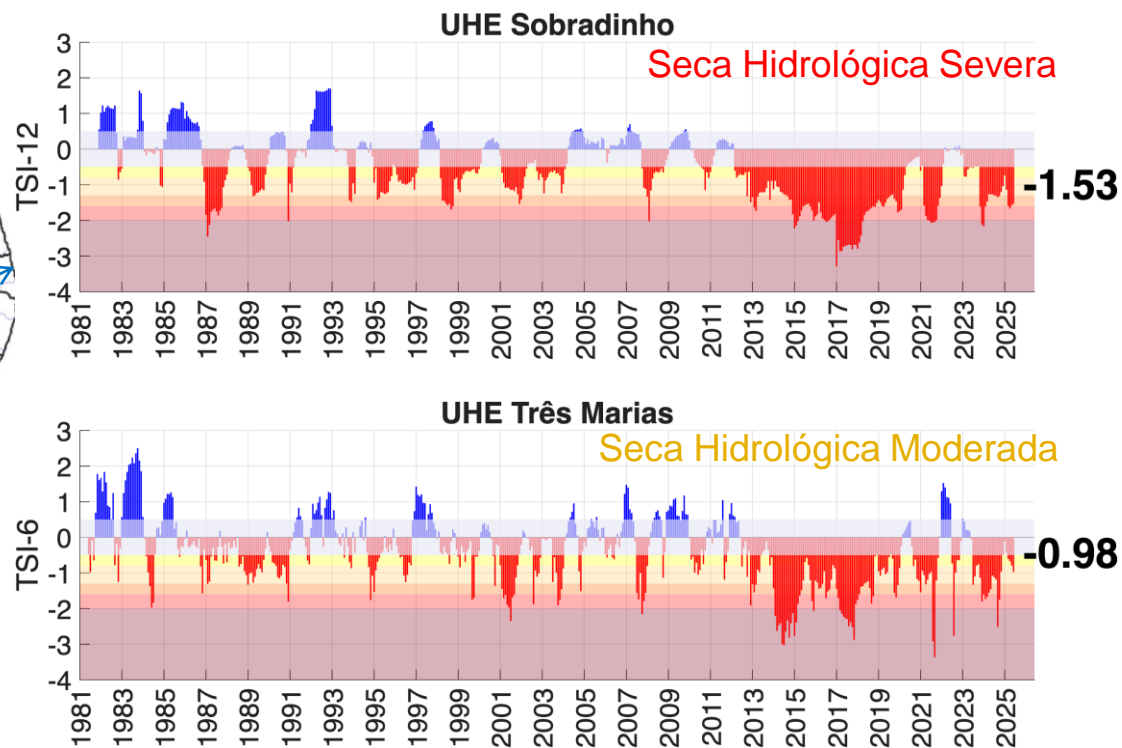
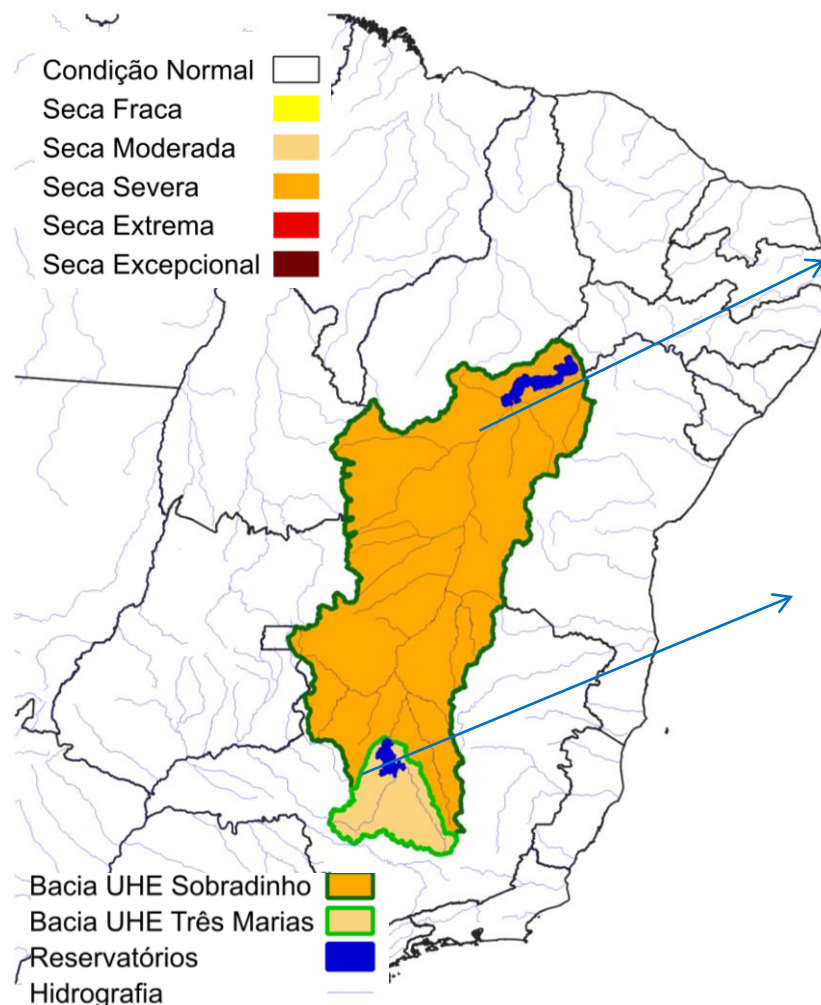
MLT: Média de Longo Termo (1983-2024)

Dados de precipitação: INMET, ANA, CEMADEN.

Dados de vazão: ONS e ANA.

Monitoramento UHE Três Marias e Sobradinho

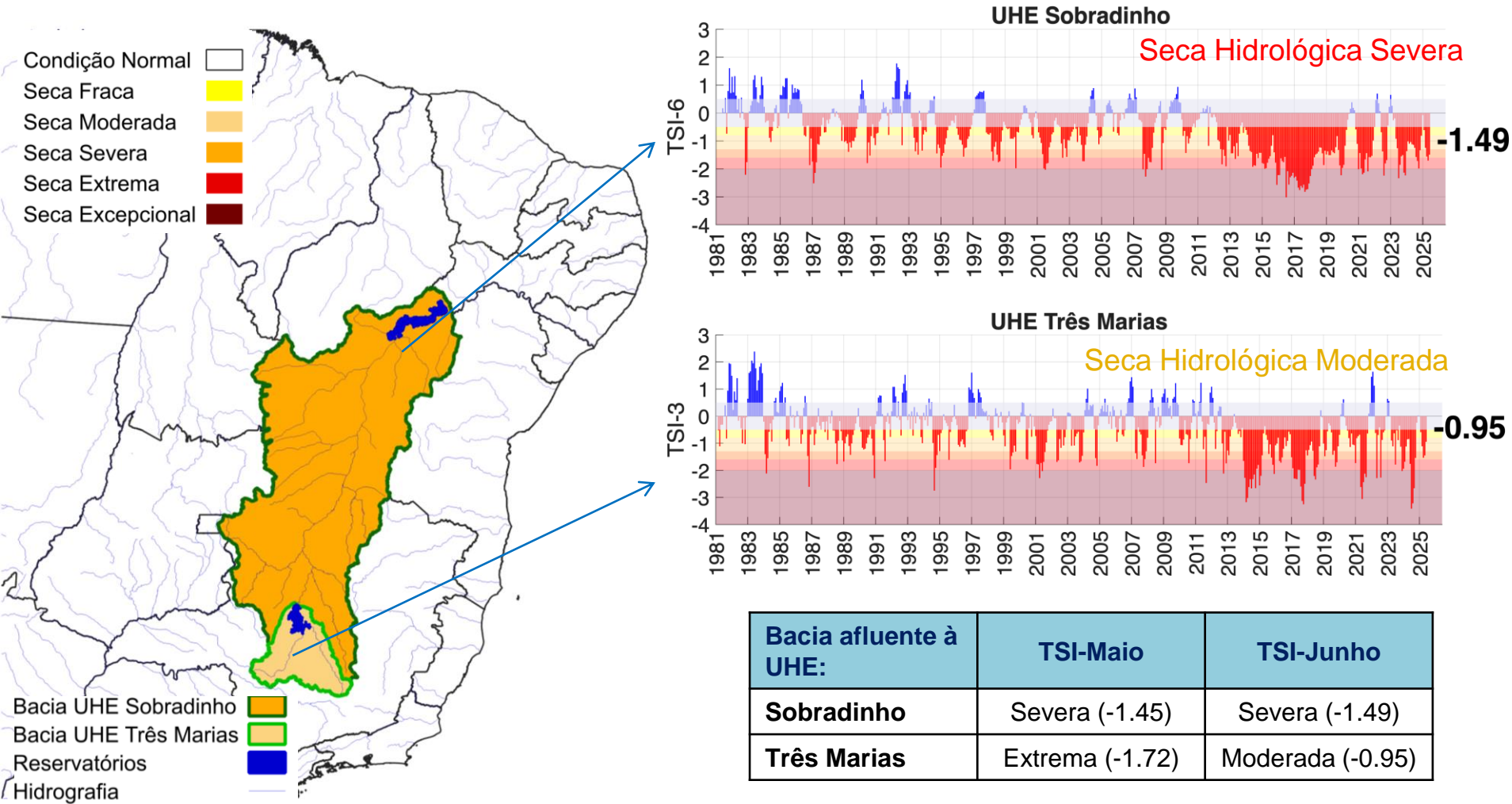
Índice Padronizado Bivariado (Chuva-Vazão) – TSI: Junho/2025 Longo Prazo



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

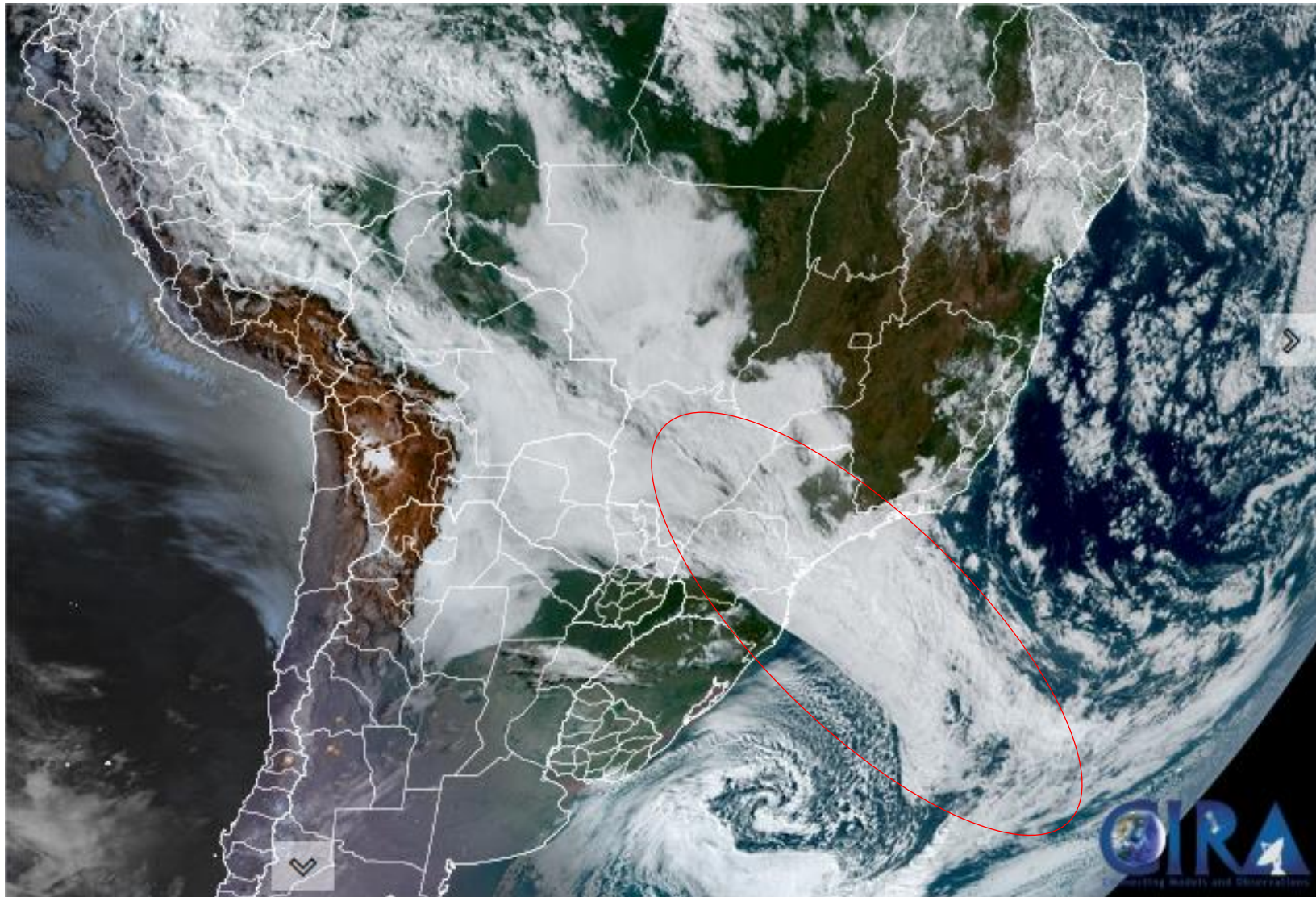
Monitoramento UHE Três Marias e Sobradinho

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

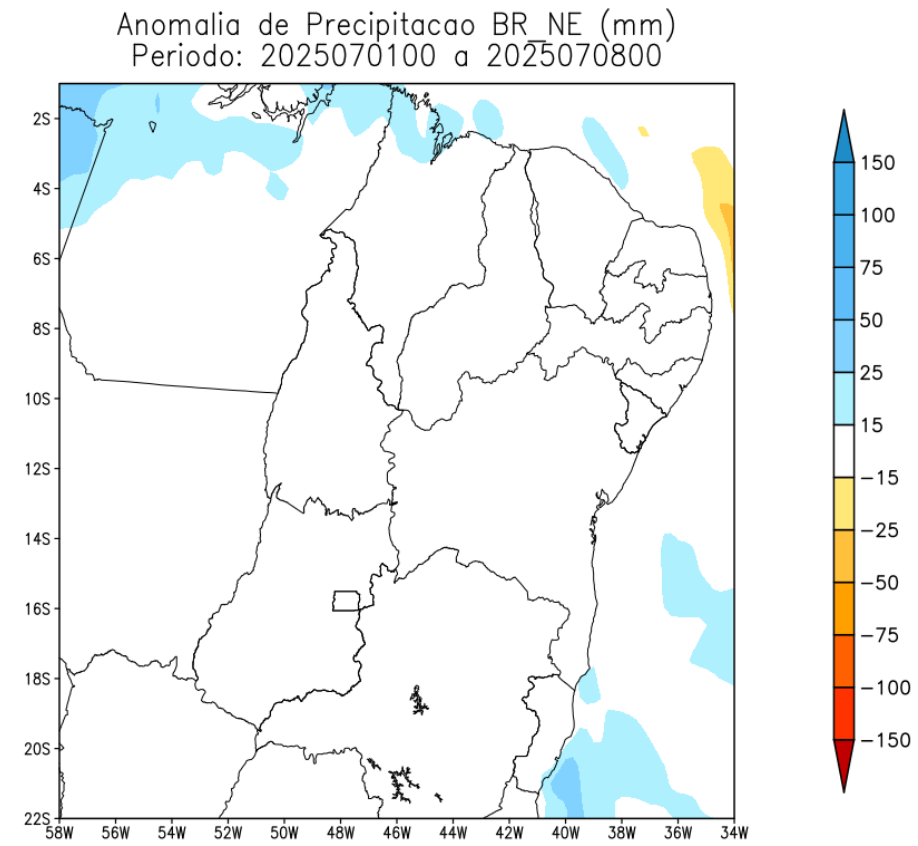
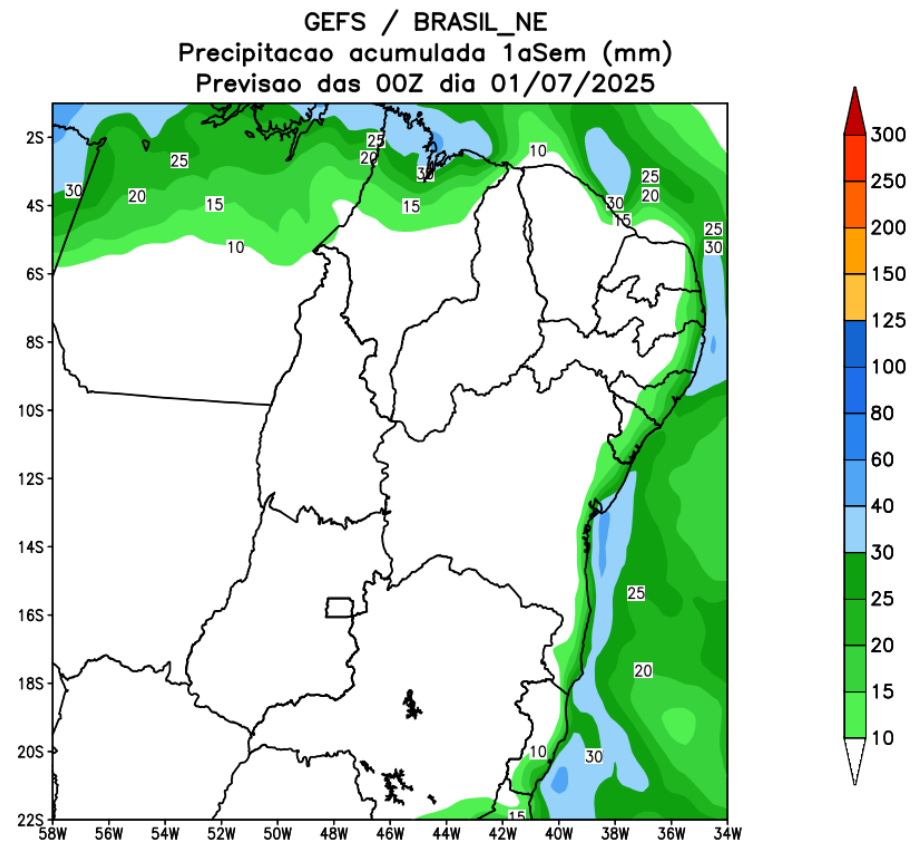


Fonte dos dados de vazão: ONS e ANA / Processamento do TSI: CEMADEN

Situação meteorológica atual

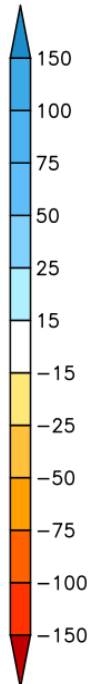
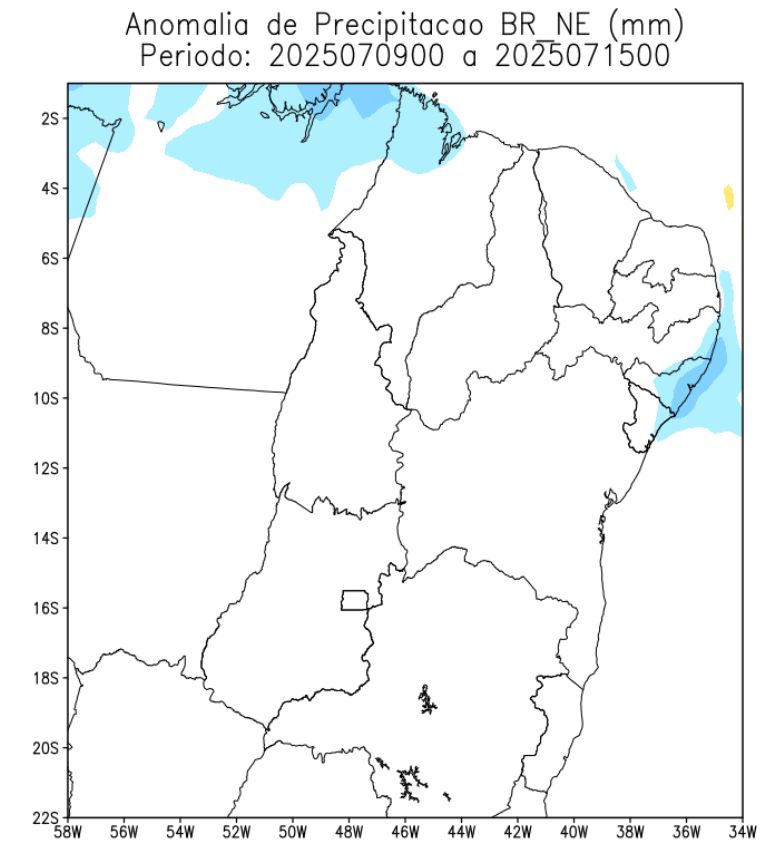
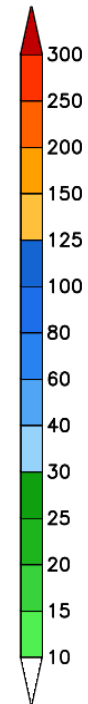
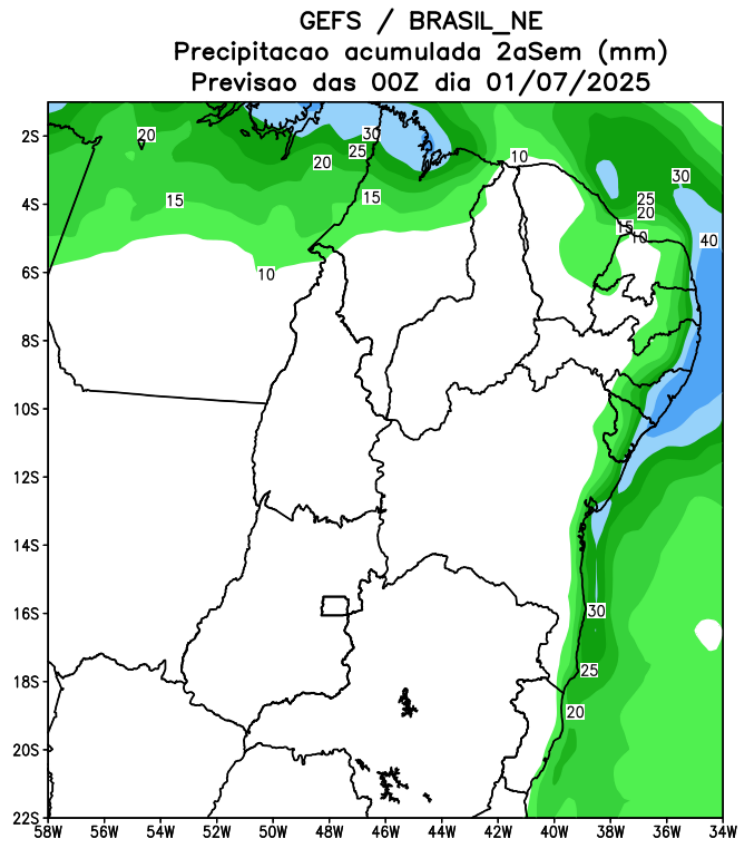


Previsão de chuva próximos 7 dias



Fonte: GEFS/NOAA

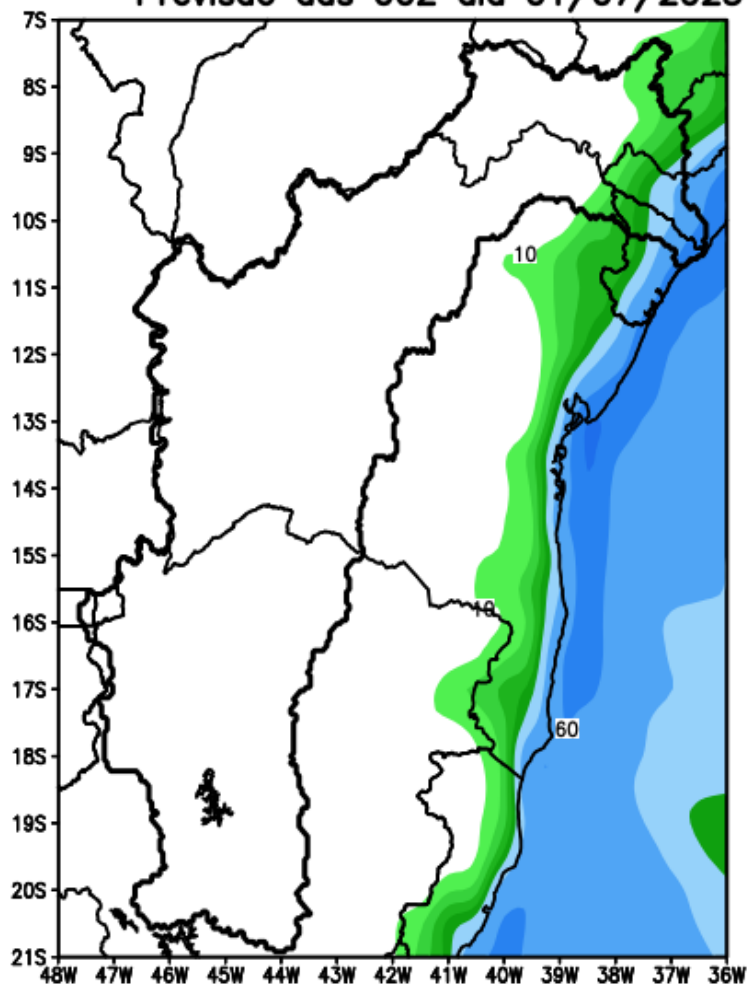
Tendência para a 2a semana



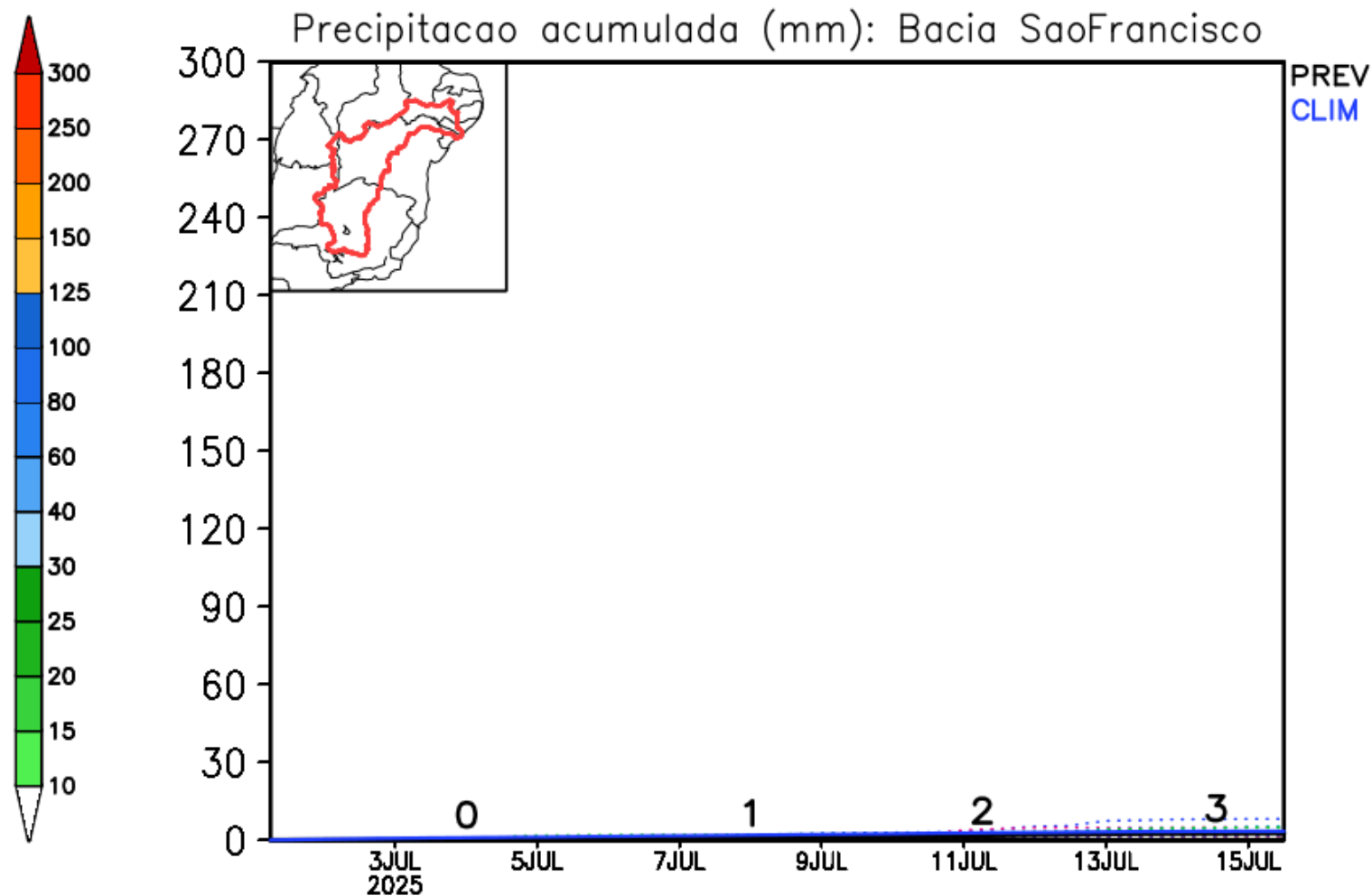
Modelo GFS/NOAA

Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 01/07/2025

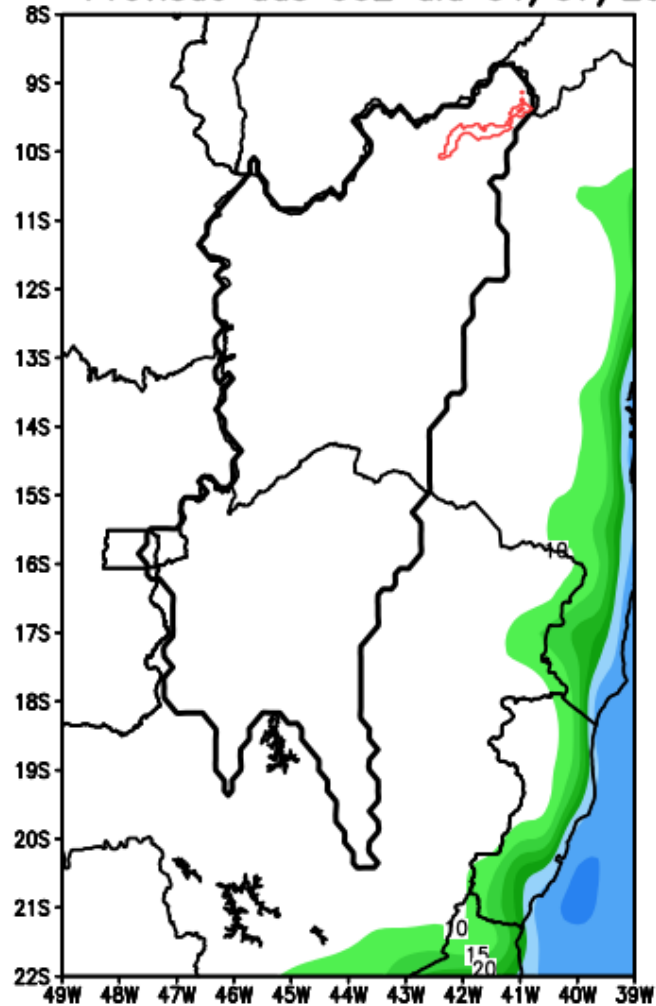


Modelo GFS/NOAA

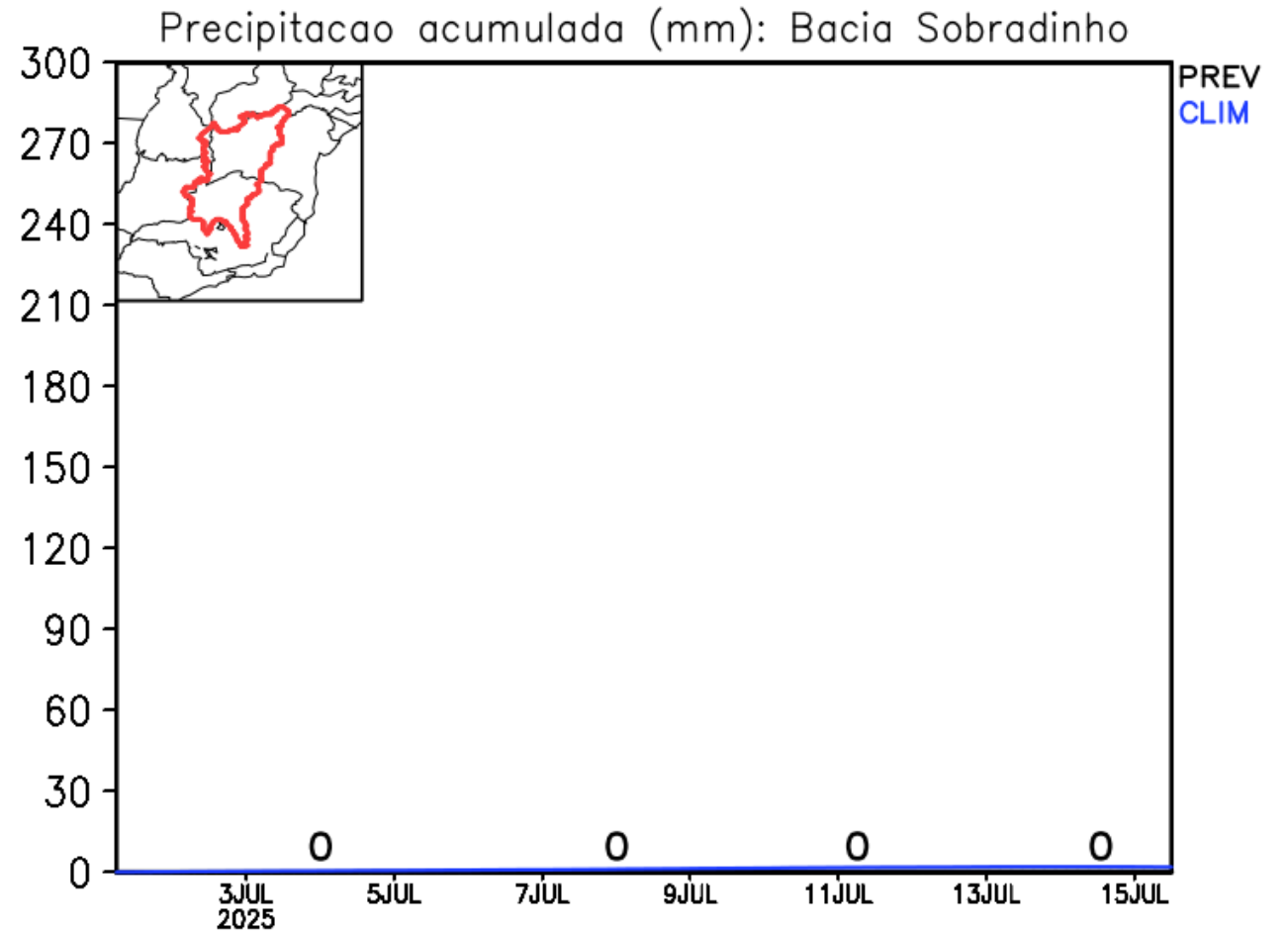
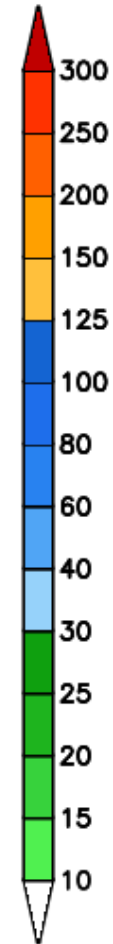


Bacia de Sobradinho

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

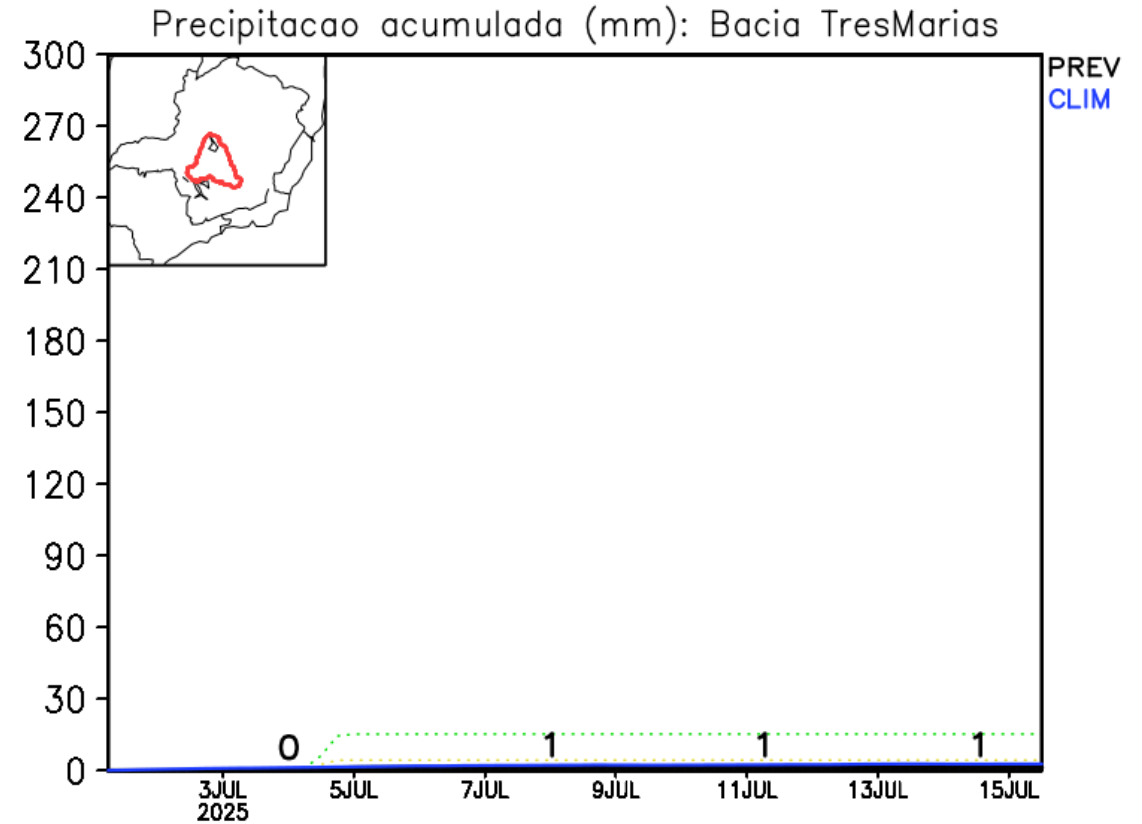
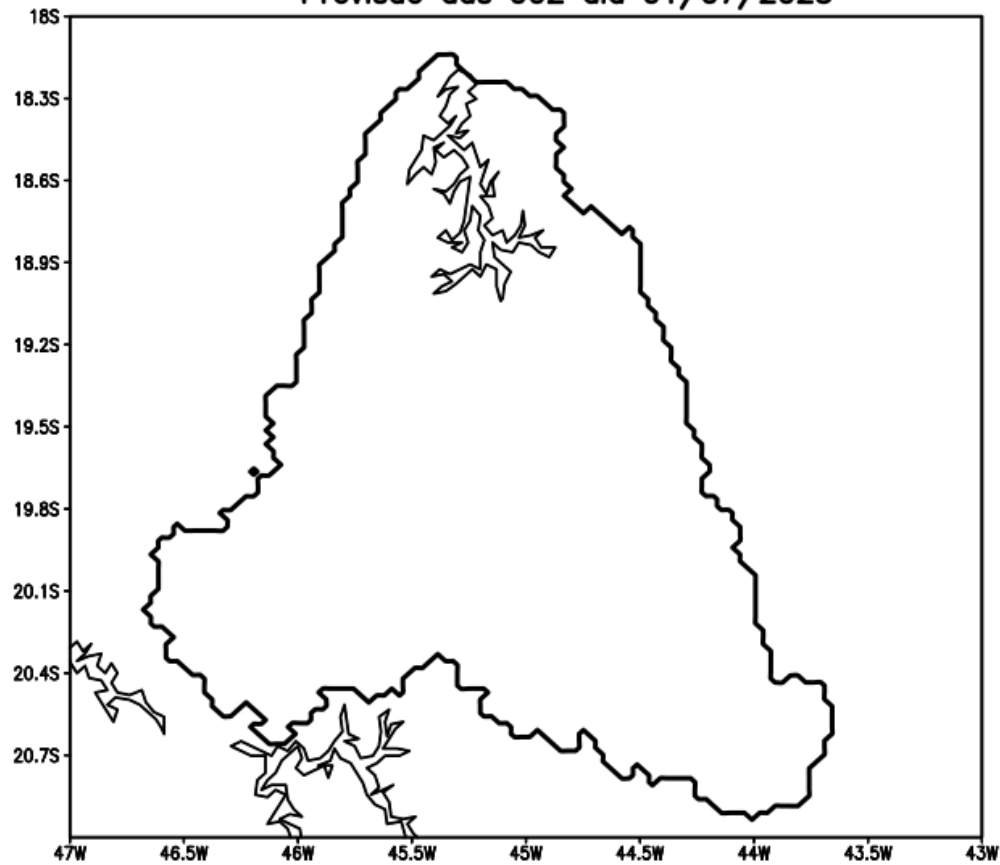


Modelo GFS/NOAA

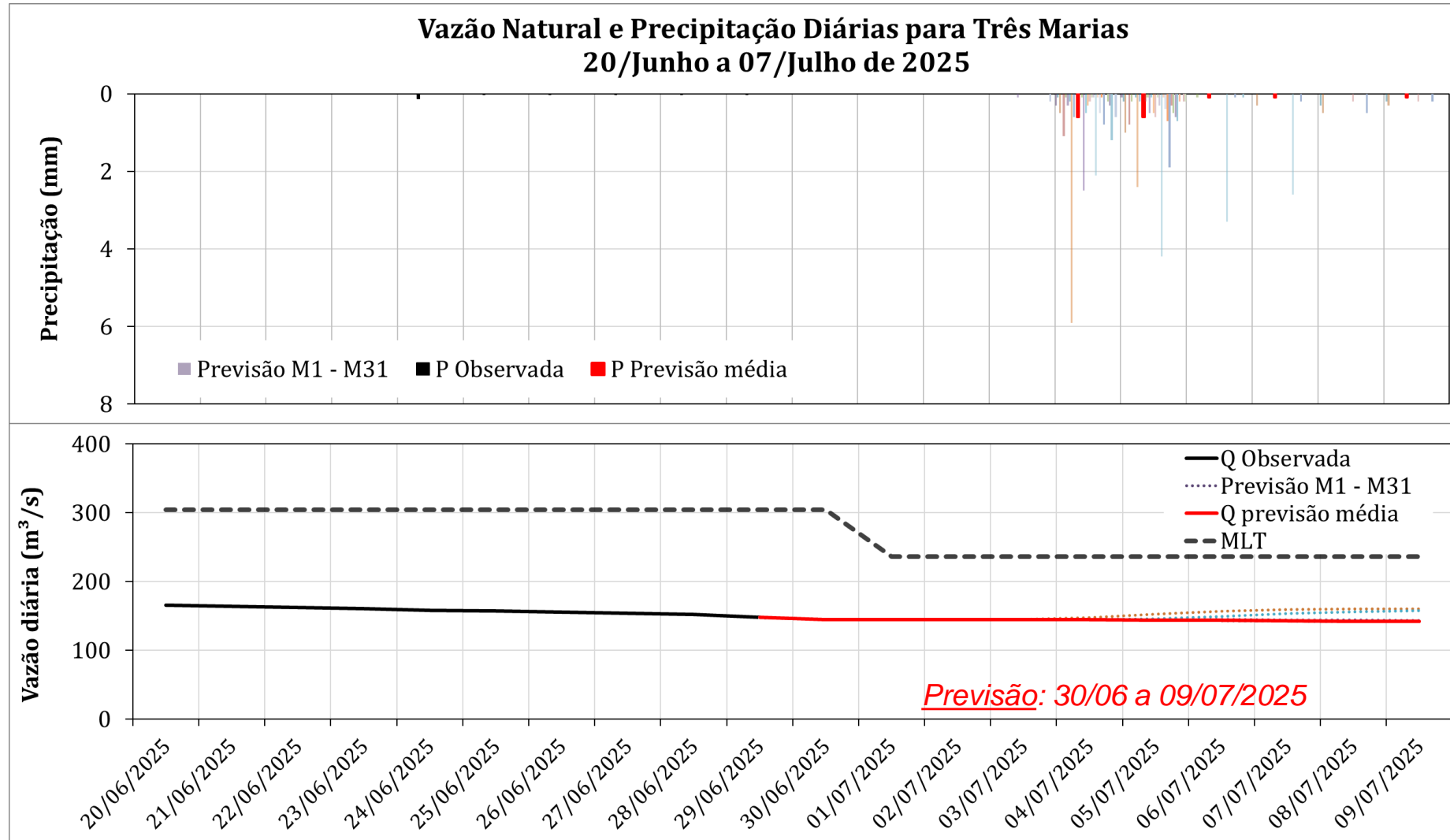


Bacia de Três Marias

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



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



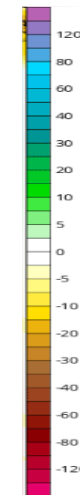
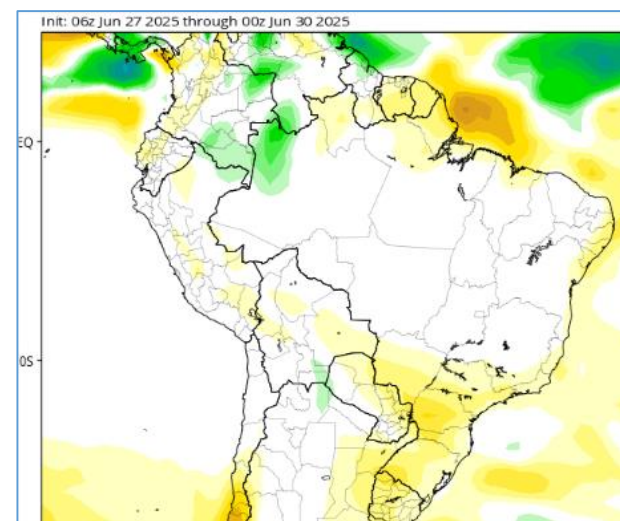
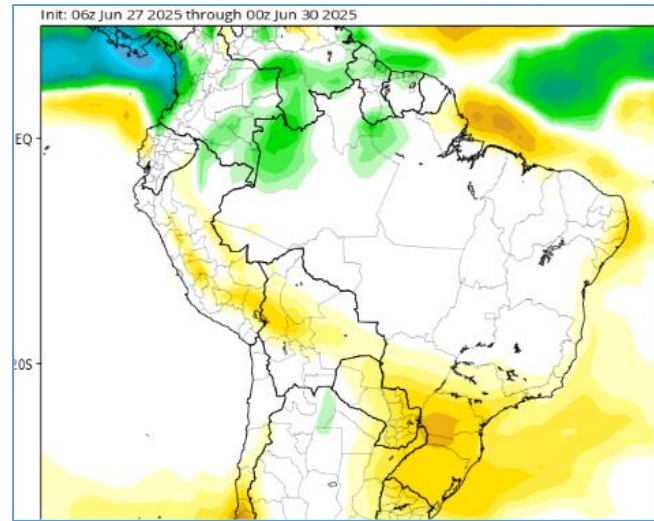
**Previsão média para
os próximos 10 dias: 144 m³/s** ➡ *61% da MLT de Julho*

Anomalia de Chuva 3a e 4a semanas

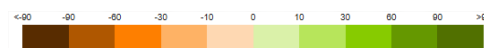
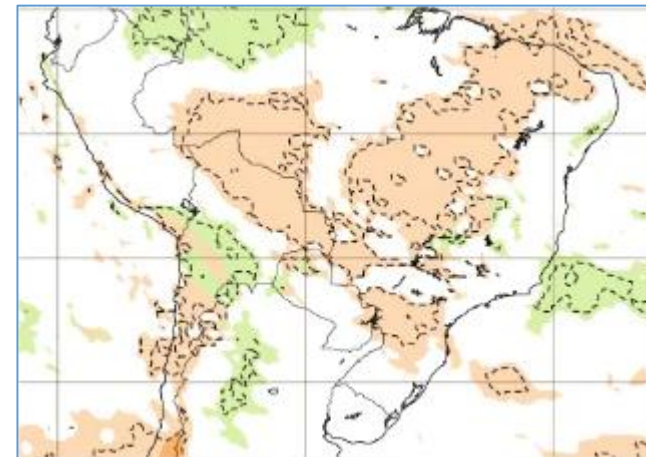
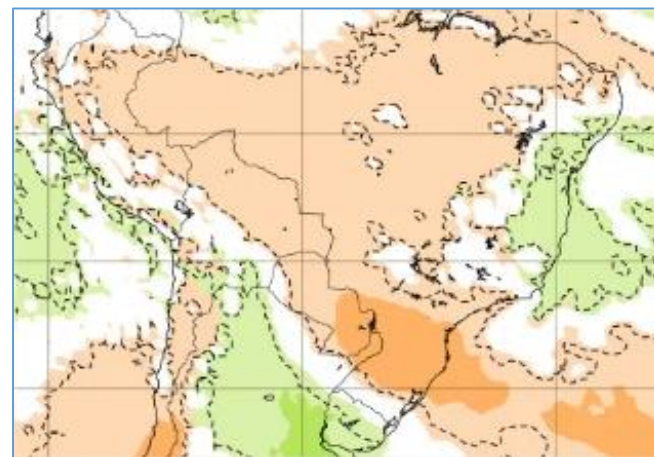
14-21 Jul

21-28 Jul

CFS/NOAA



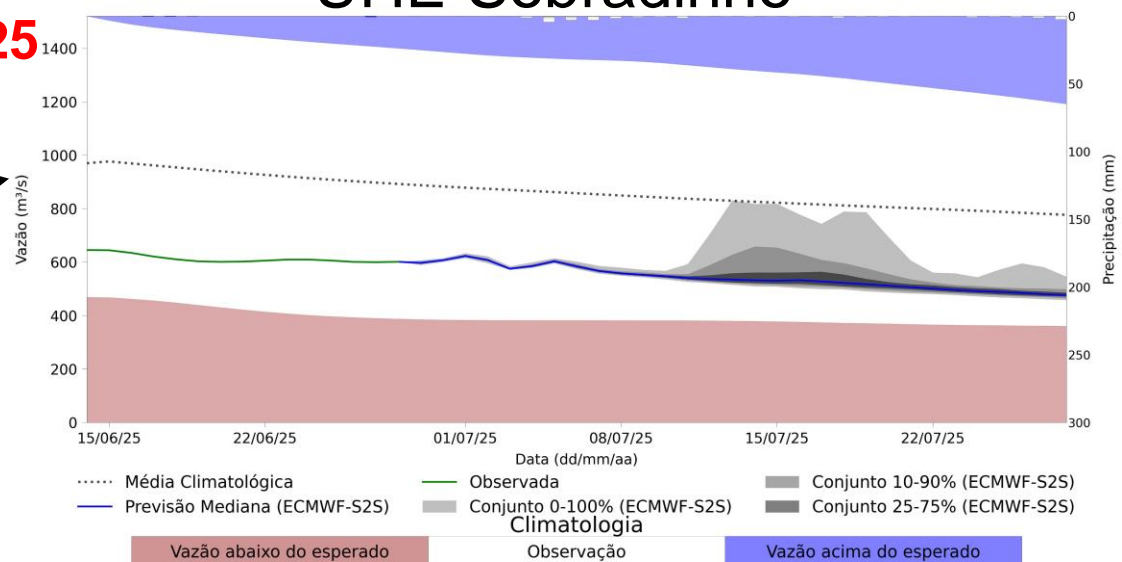
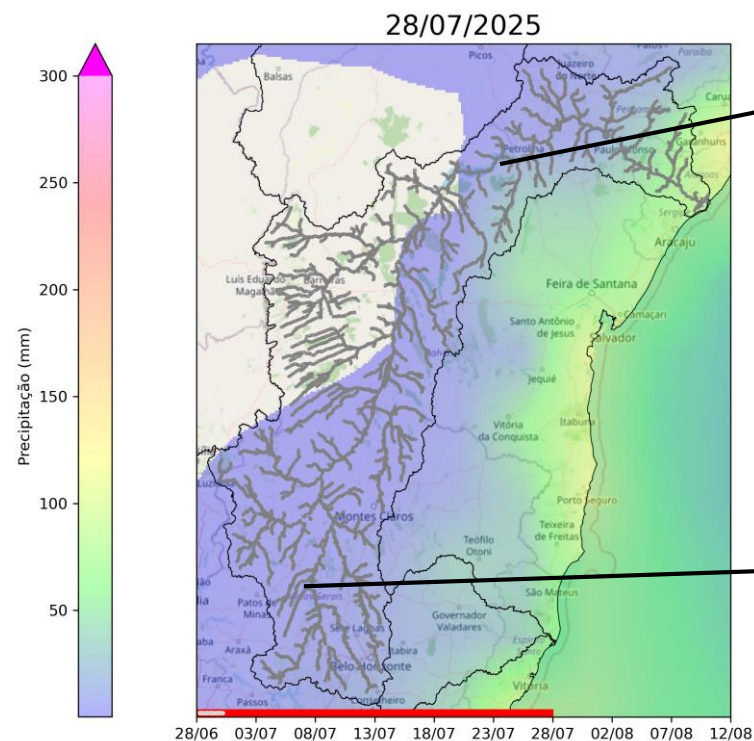
ECMWF



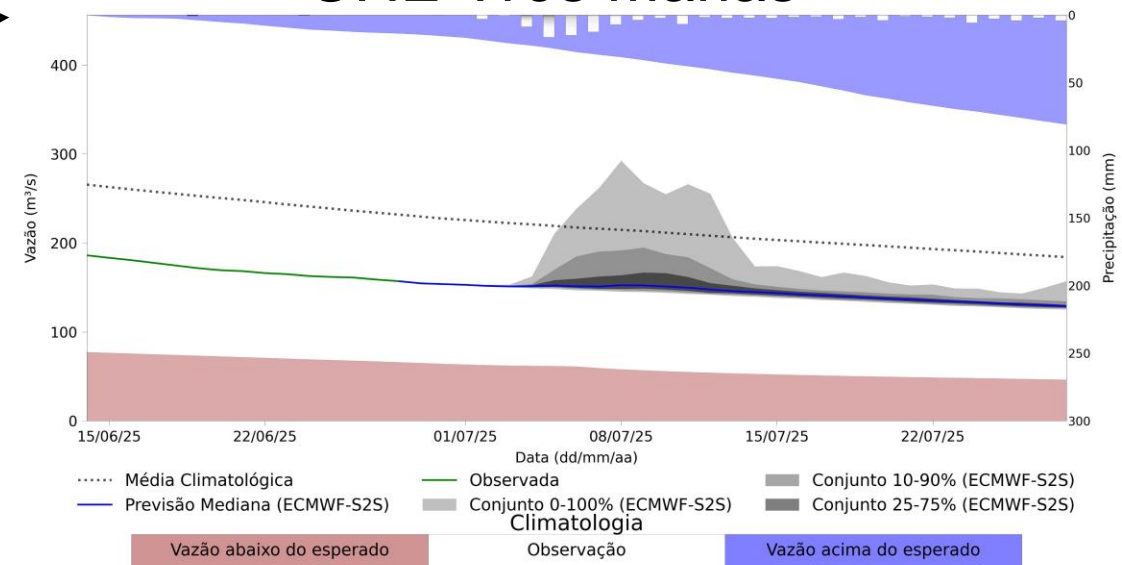
Previsão de vazão natural na Bacia Rio São Francisco (Modelo hidrológico MHD)

UHE Sobradinho

Previsão: 28/06/2025 a 28/07/2025

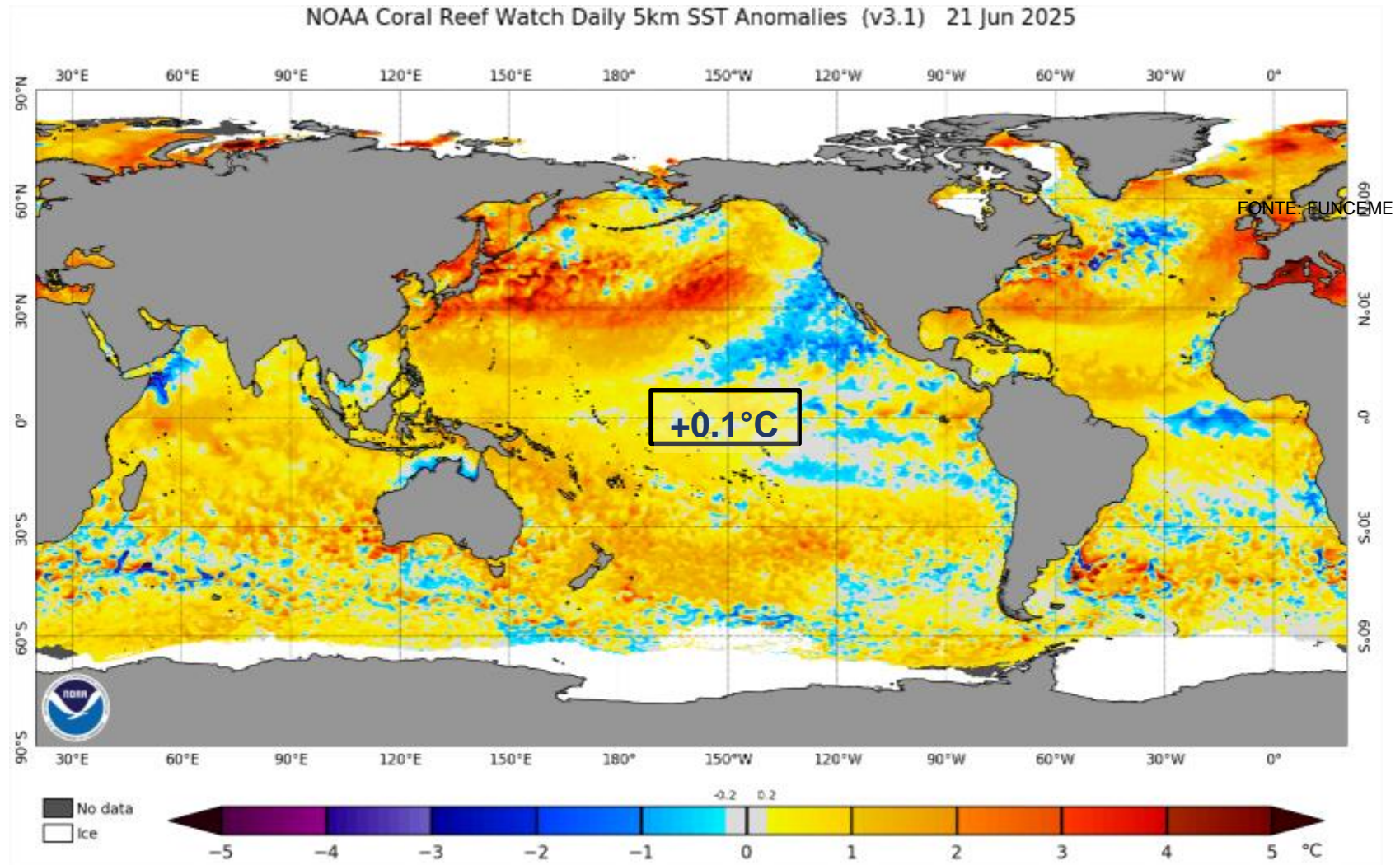


UHE Três Marias



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

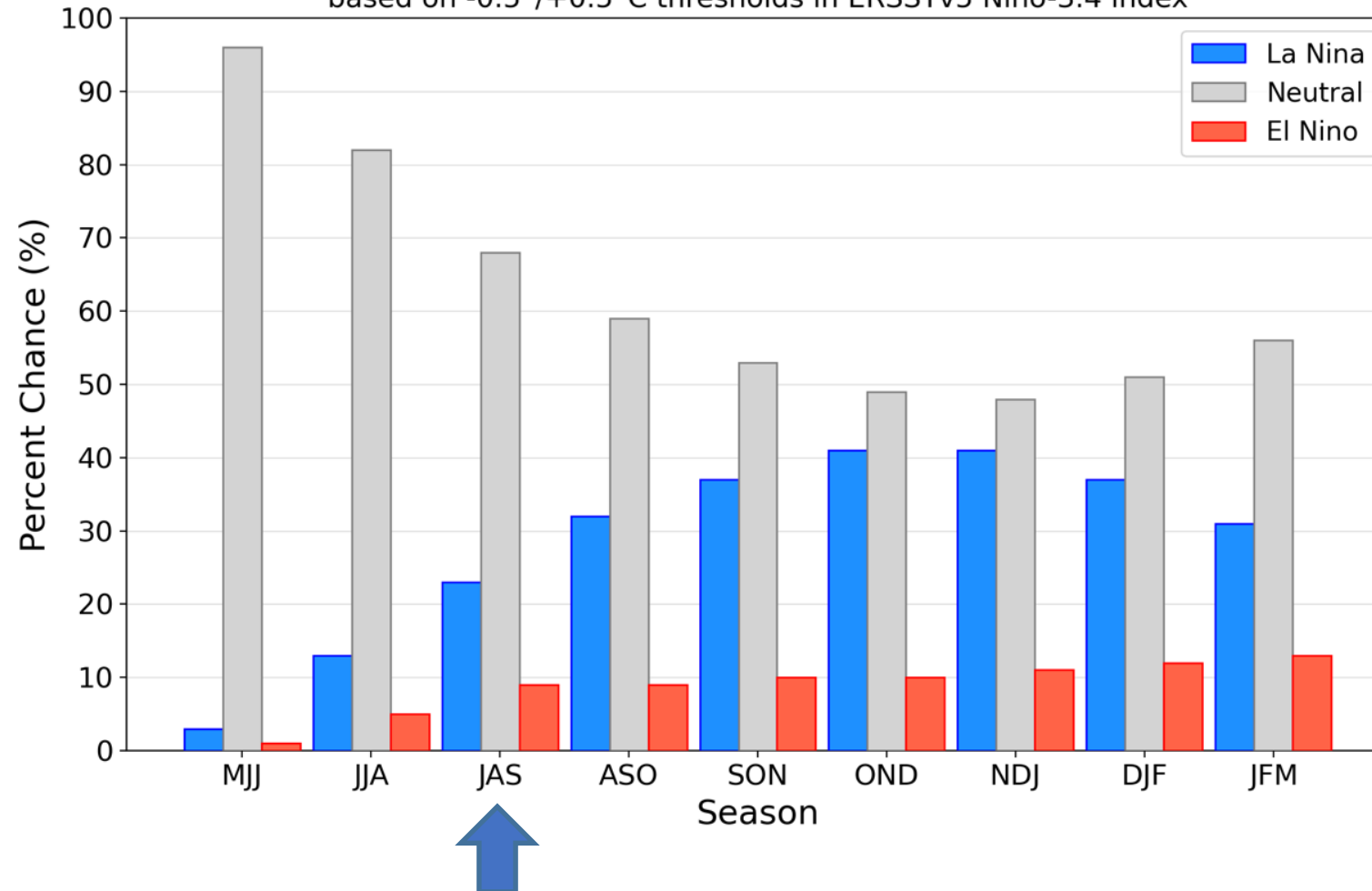
Status Atual: **Neutralidade**



Previsão do “ENSO”

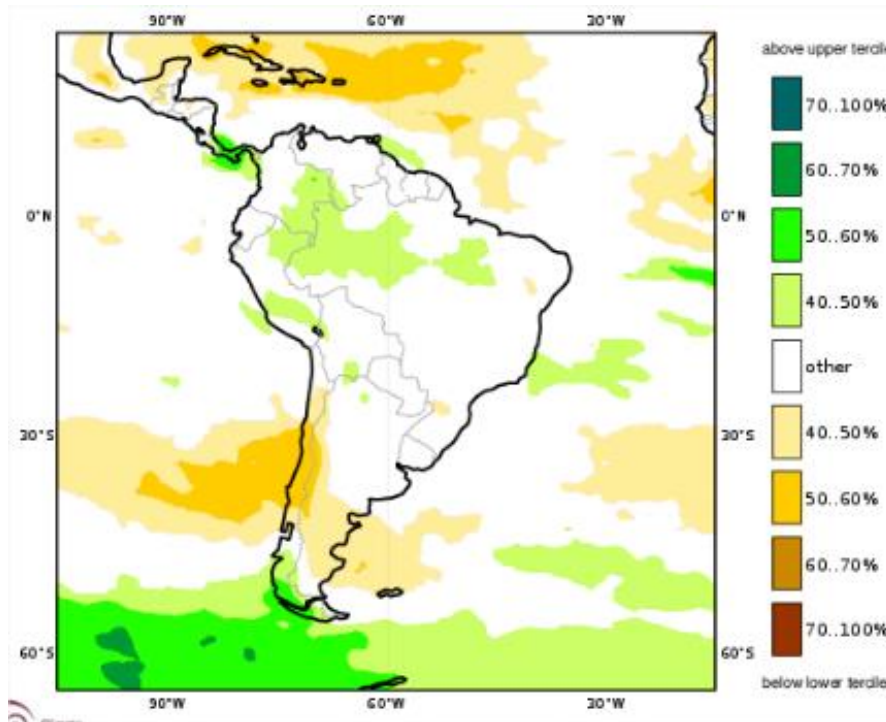
Official NOAA CPC ENSO Probabilities (issued June 2025)

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

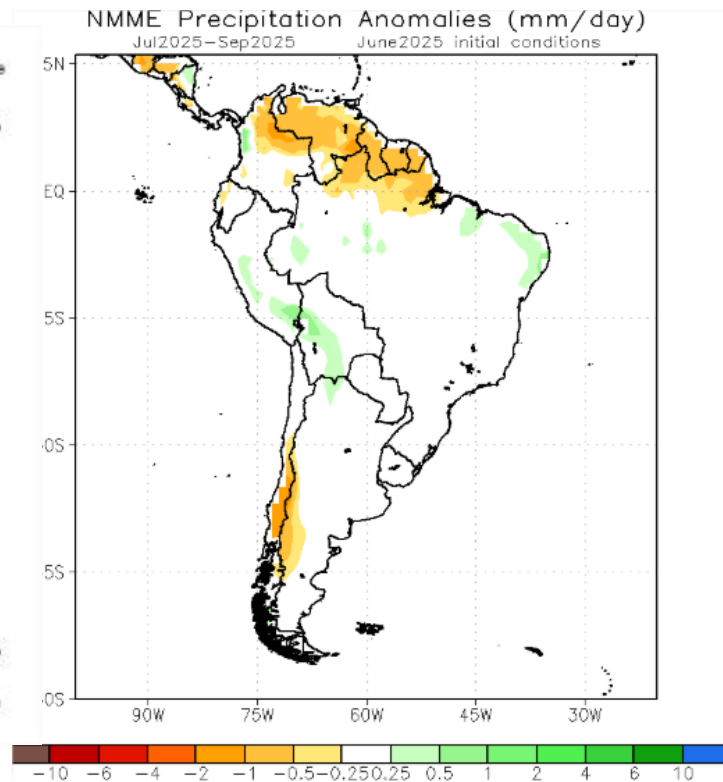


Previsão Sazonal de Chuva Multi-Modelo

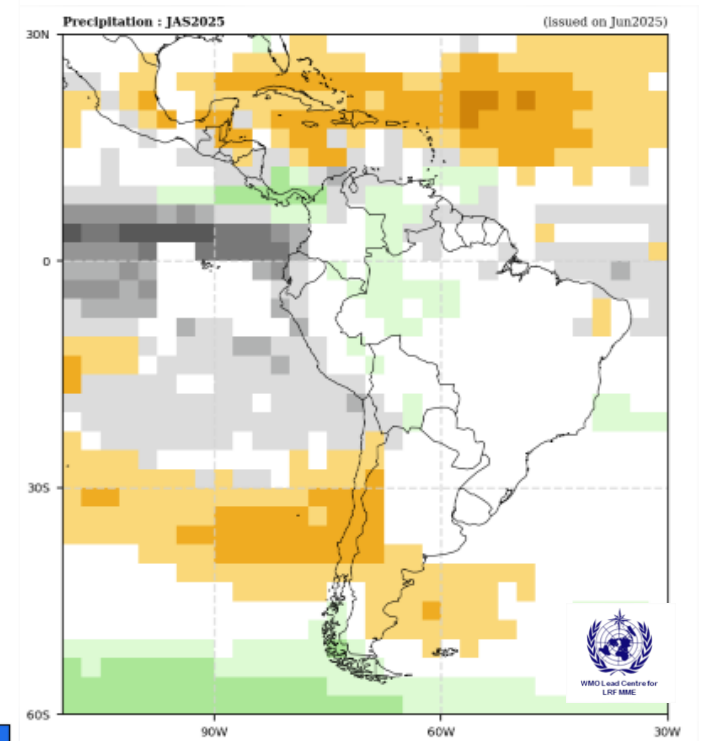
Julho-Agosto-Setembro



Modelos “Europeus”

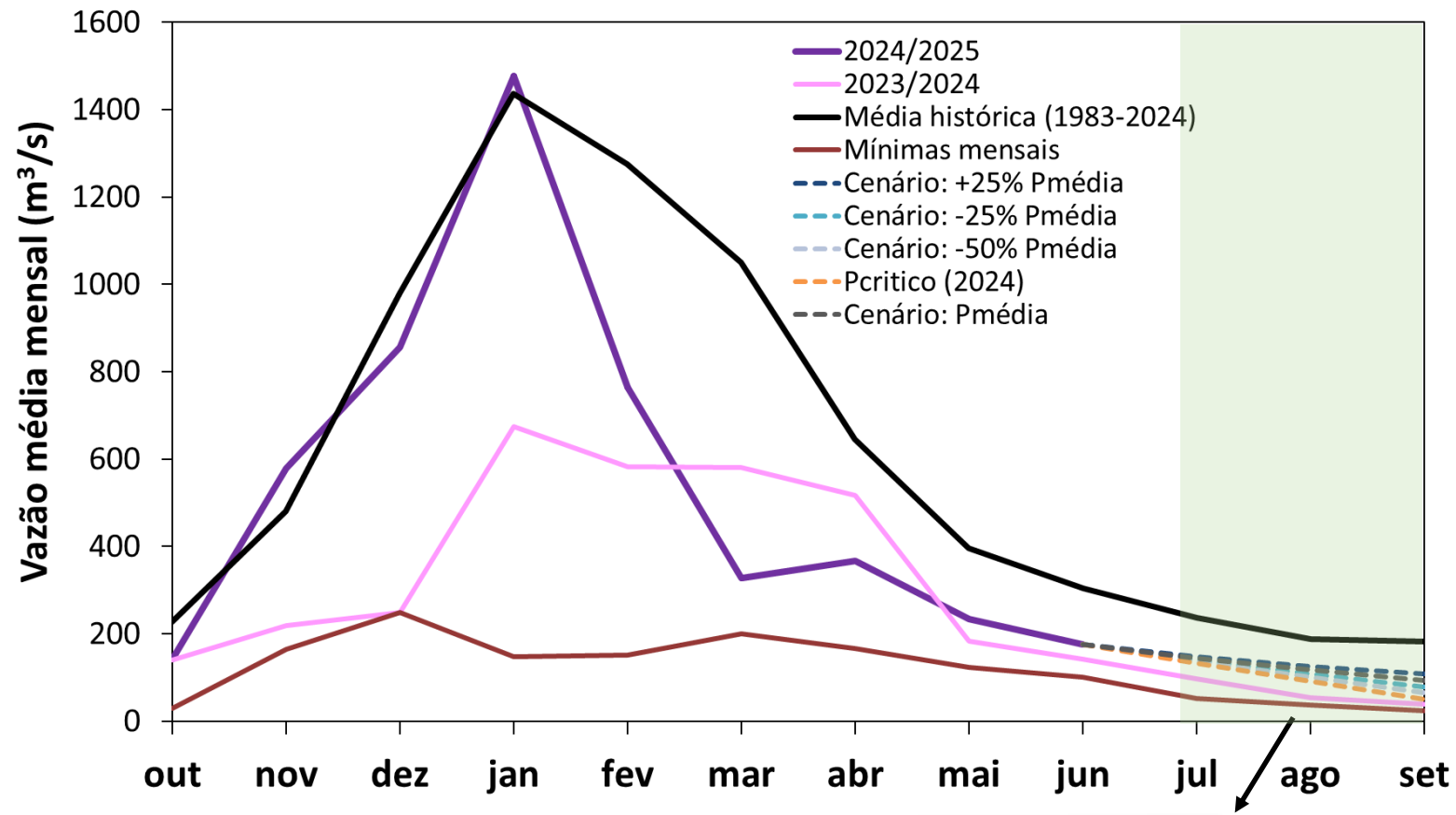


Modelos Norte Americanos



Modelos da WMO

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



Jul-Set (Meses secos 2025)
MLT: 202 m³/s

Vazão	% MLT
127 m³/s	63%
118 m³/s	59%
109 m³/s	54%
101 m³/s	50%
91 m³/s	45%