

Monitoramento e Previsões para a Bacia do rio Araguaia-Tocantins

AGOSTO 2025

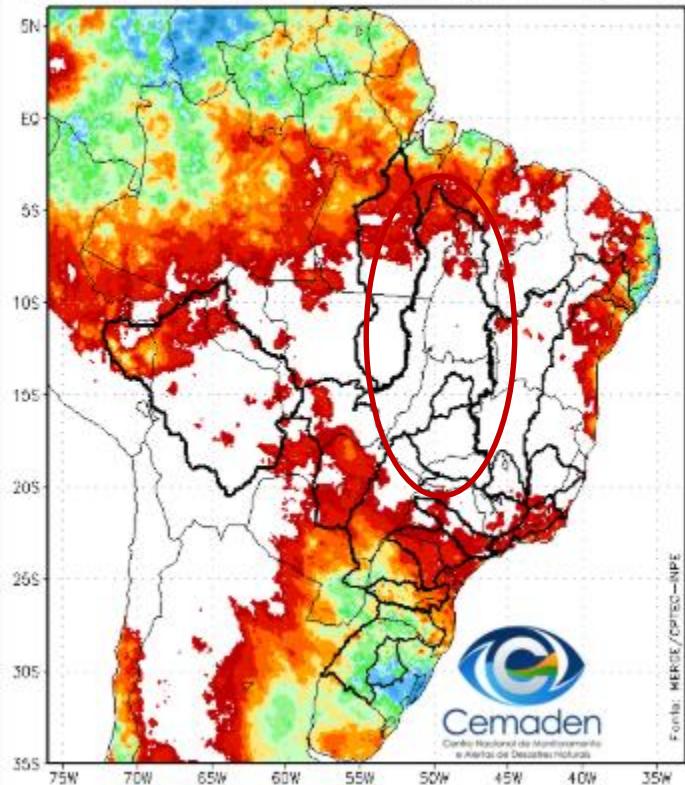


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

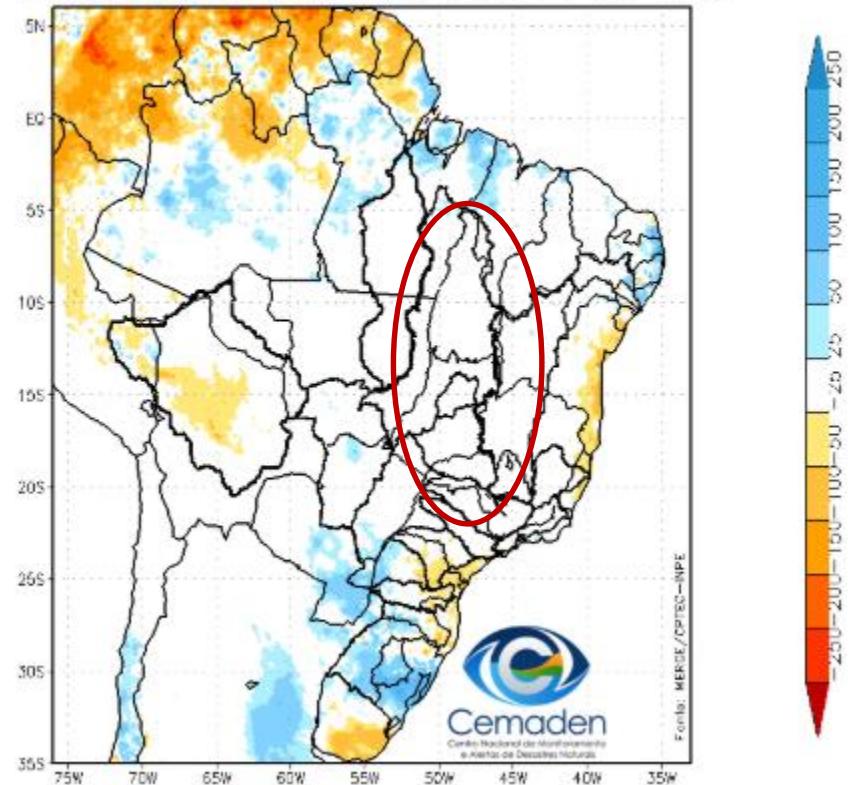


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 26/07/2025 a 25/08/2025 (30 dias)



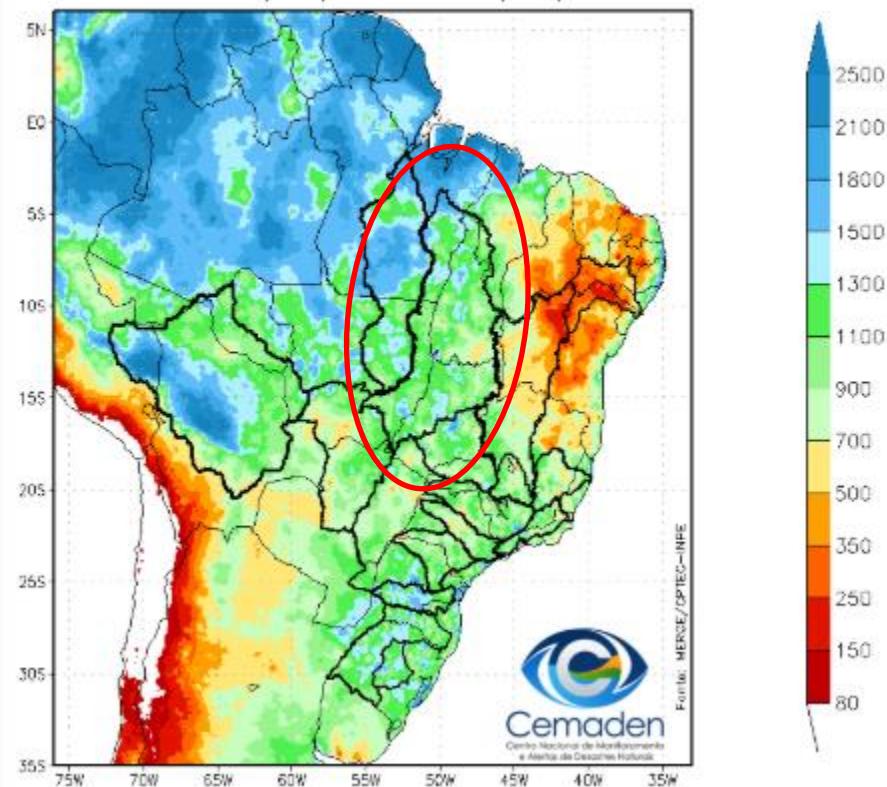
Anomalia de Precipitação (mm) A.S.
Período: 26/07/2025 a 25/08/2025 (30 dias)



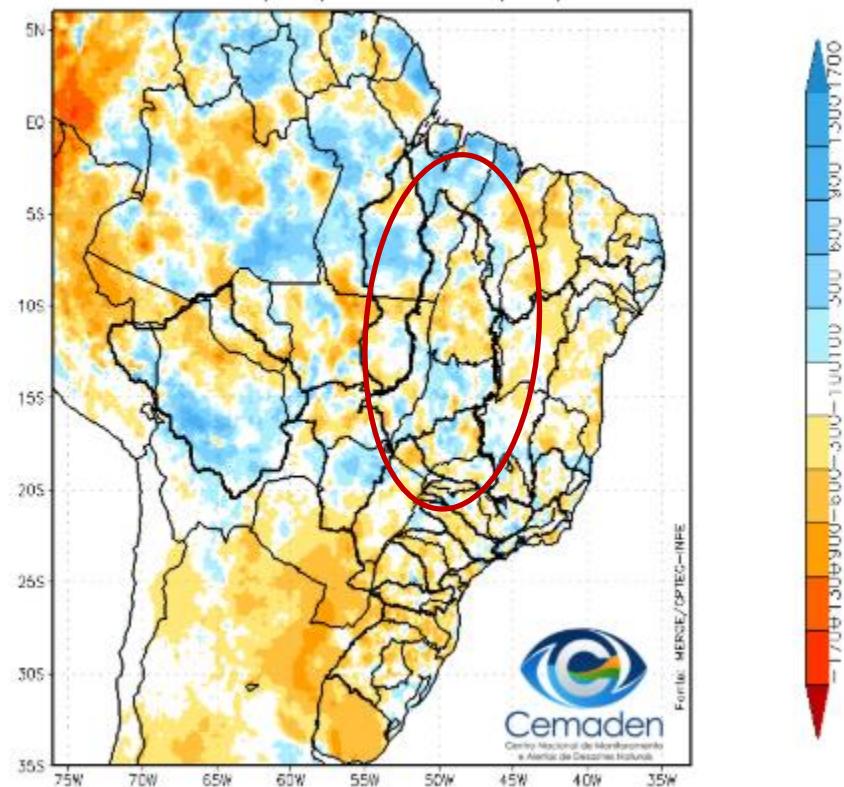
Fonte dos dados: Merge/INPE

Precipitação acumulada no Ano Hidrológico

Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2024 a 25/08/2025



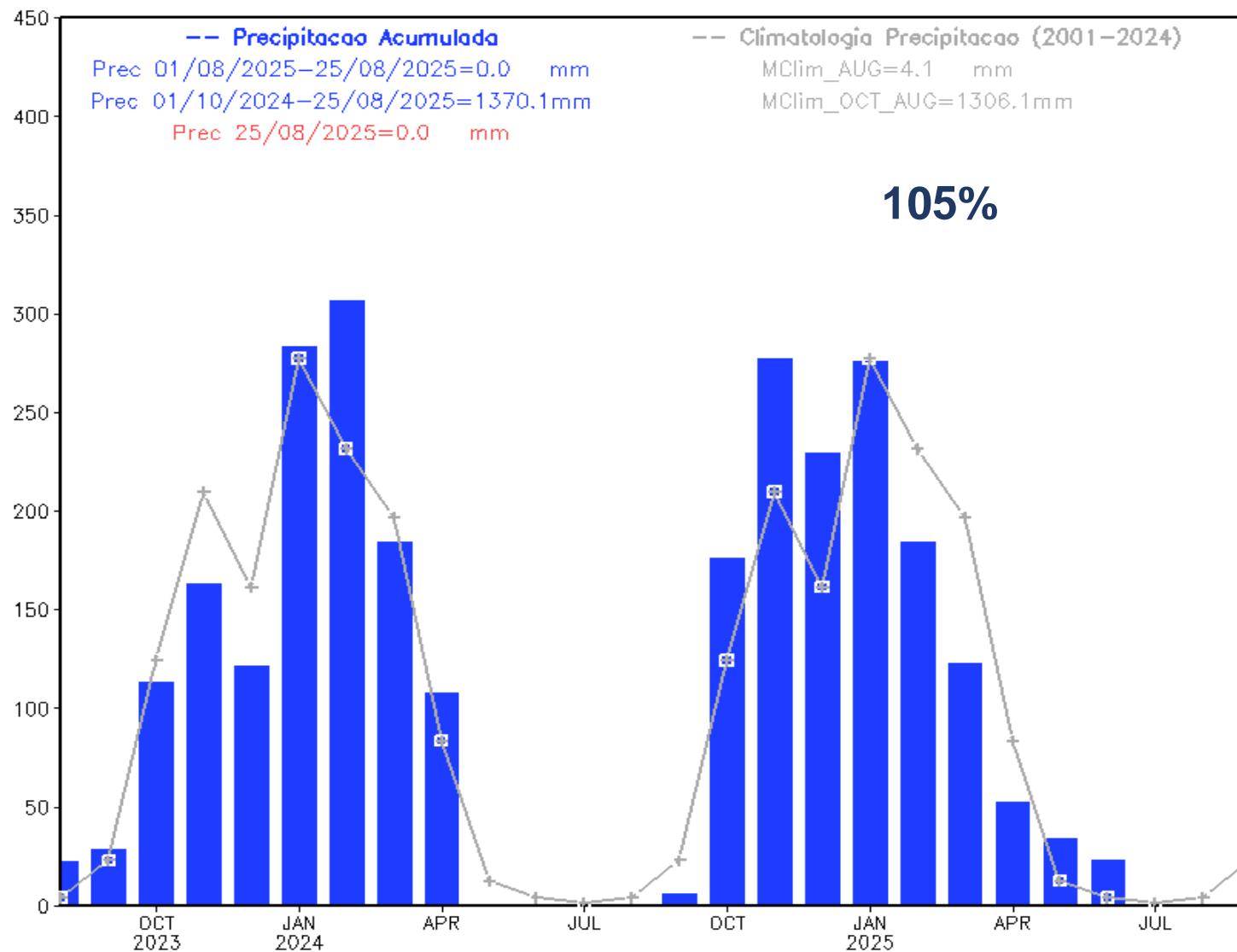
Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2024 a 25/08/2025



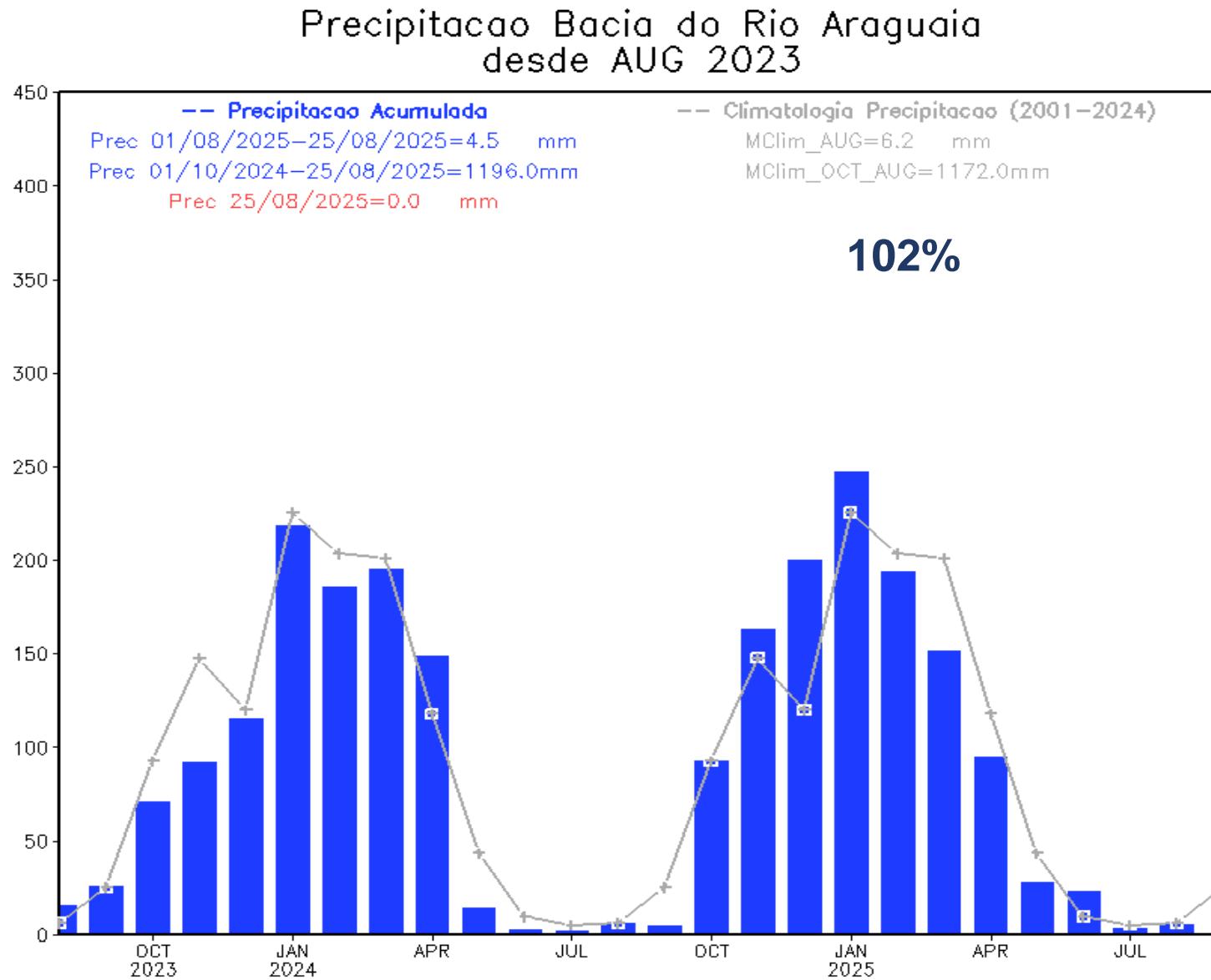
Fonte dos dados: Merge/INPE

Precipitação Acumulada nos últimos Dois Anos

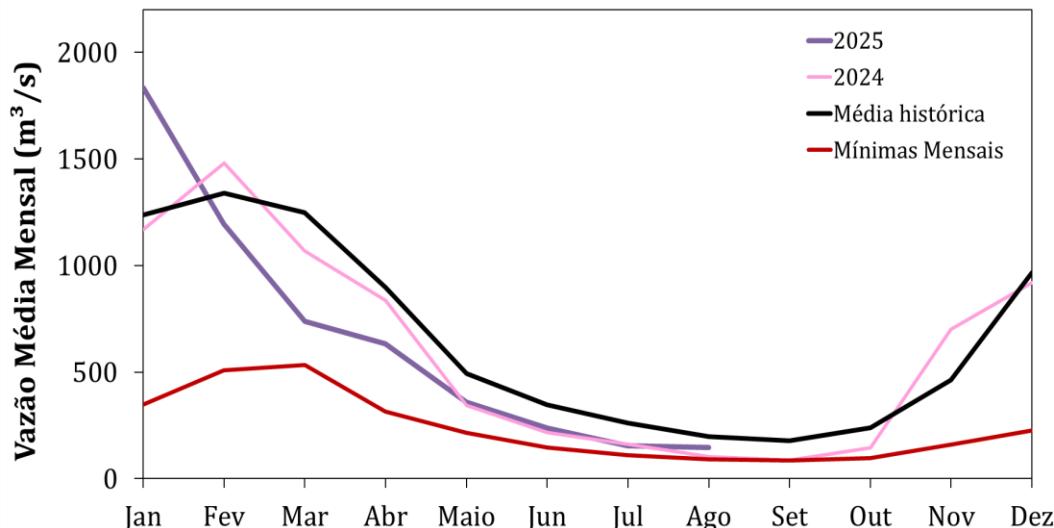
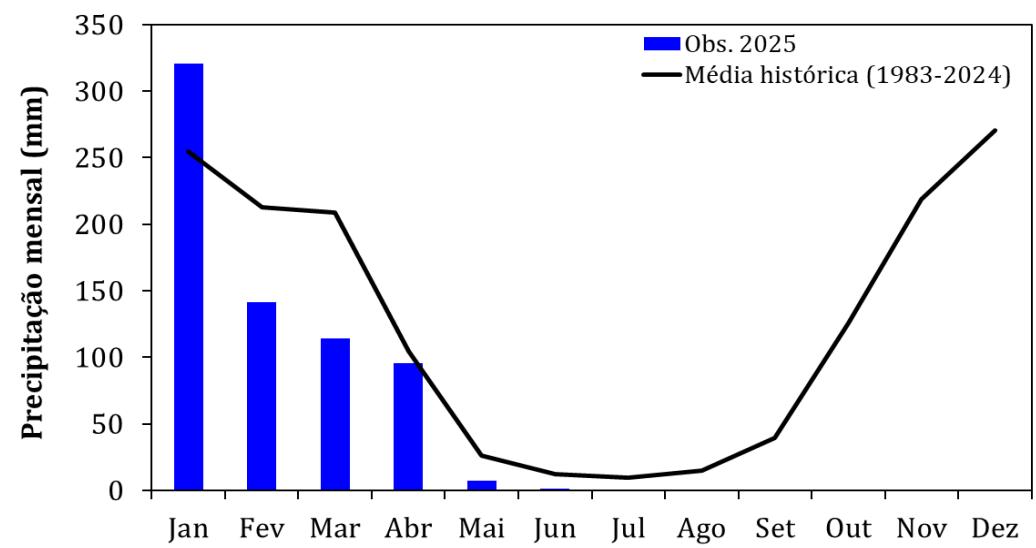
Precipitacao Bacia do Rio Tocantins desde AUG 2023



Precipitação Acumulada nos últimos Dois Anos



Monitoramento UHE Serra da Mesa



Média de Longo Término – MLT = 1983-2024

Precipitação

Estação Chuvosa - Out a Abr – 1396 mm

2023/2024: 1245 mm (**89% da MLT**)

2024/2025: 1355 mm (**97% da MLT**)

Estação Seca - Maio a Set – 102 mm

2024: 2 mm (**2% da MLT**)

2025*: 9 mm (**12% da MLT PARCIAL**)

Jul/2025: 0.2 mm (MLT = 10 mm)

Ago/2025*: 0.0 mm (MLT = 15 mm)

*Até 24/08/2025

Vazão

Estação Chuvosa - Out a Abr – 913 m^3/s

2023/2024: 751 m^3/s (**82% da MLT**)

2024/2025: 881 m^3/s (**97% da MLT**)

Estação Seca - Maio a Set – 295 m^3/s

2024: 183 m^3/s (**62% da MLT**)

2025**: 225 m^3/s (**76% da MLT**)

Jul/25: 154 m^3/s (**59% da MLT**)

Ago/25:** 146 m^3/s (**74% da MLT**)

24/Ago/25: 135 m^3/s (**68% da MLT**)

**Até 24/08/2025

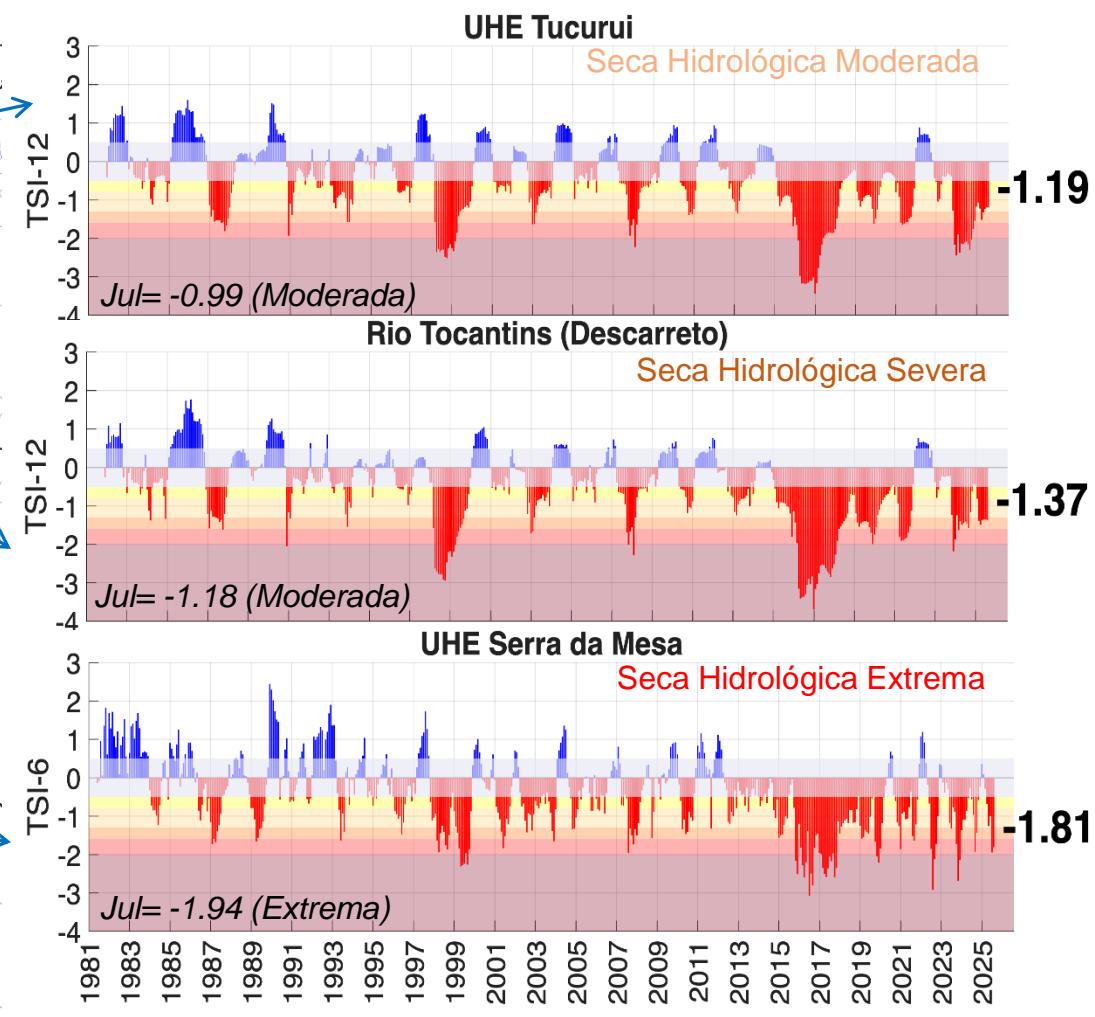
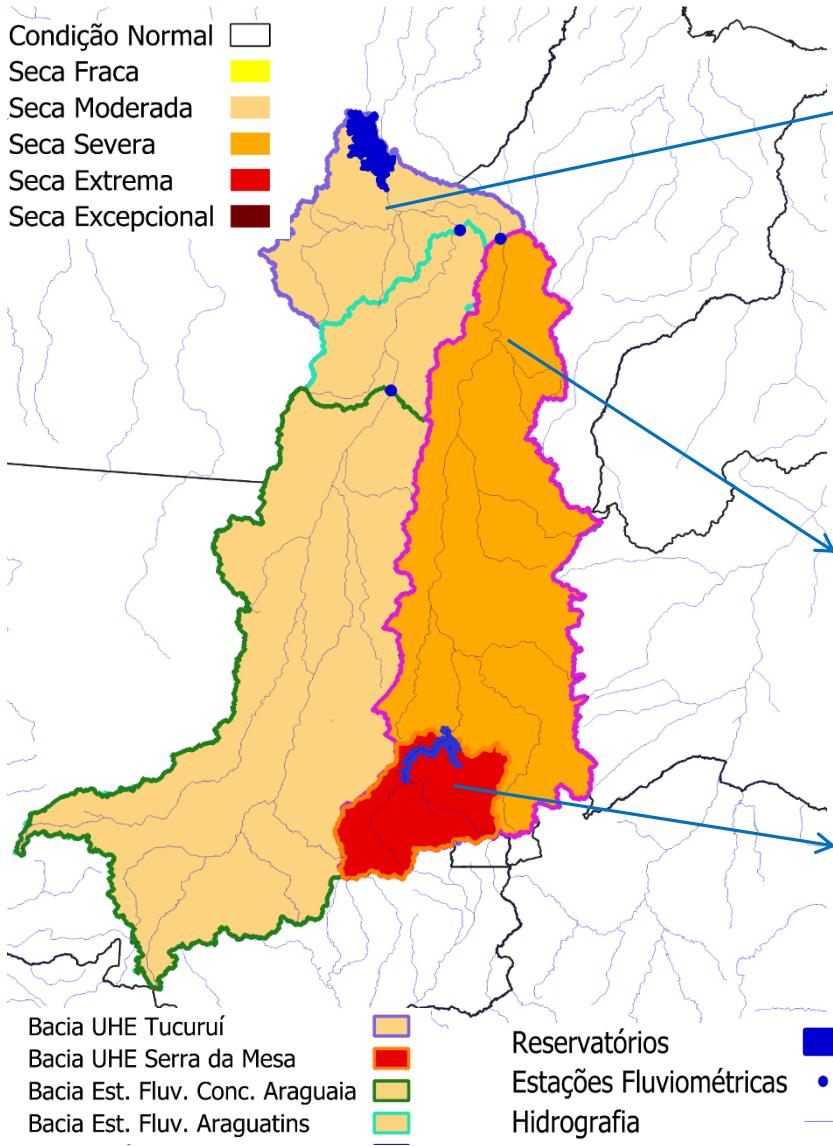
Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Escala de longo prazo

Agosto/2025

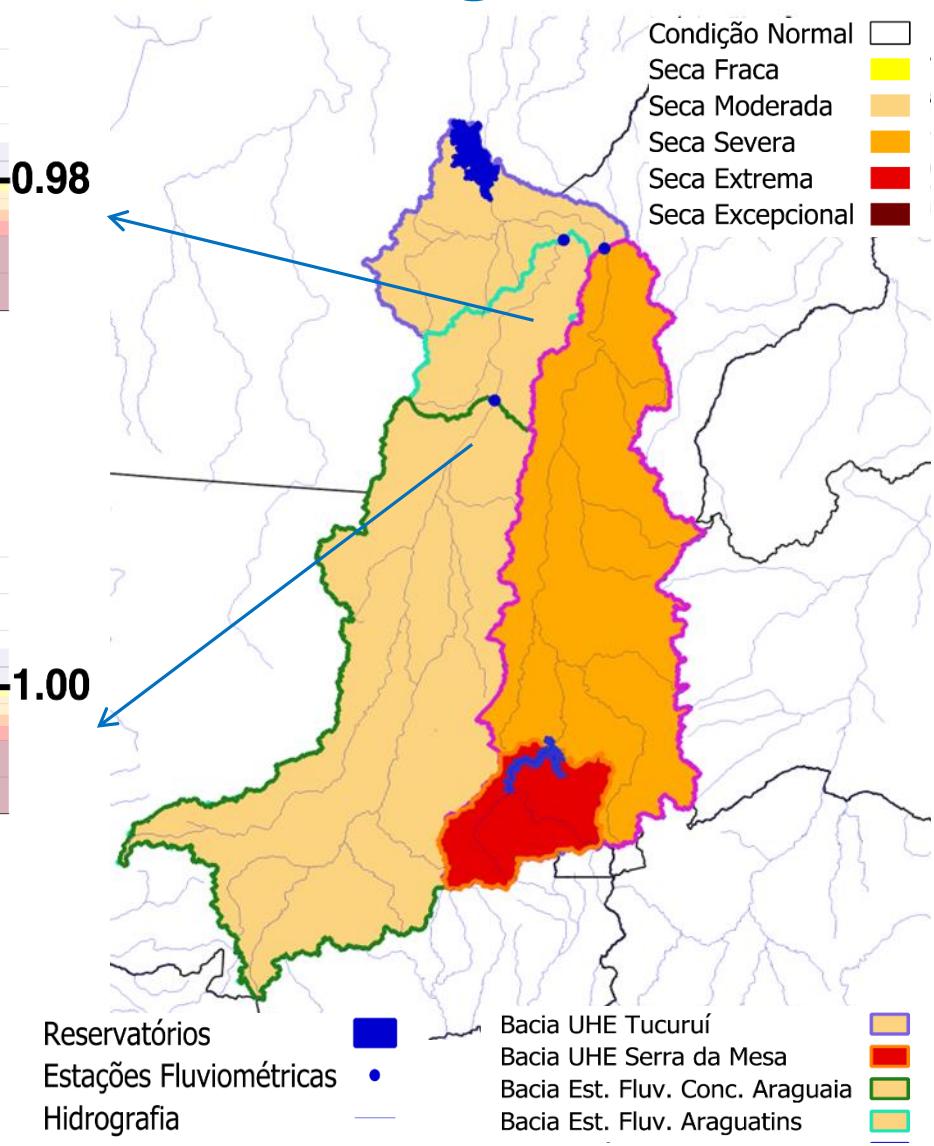
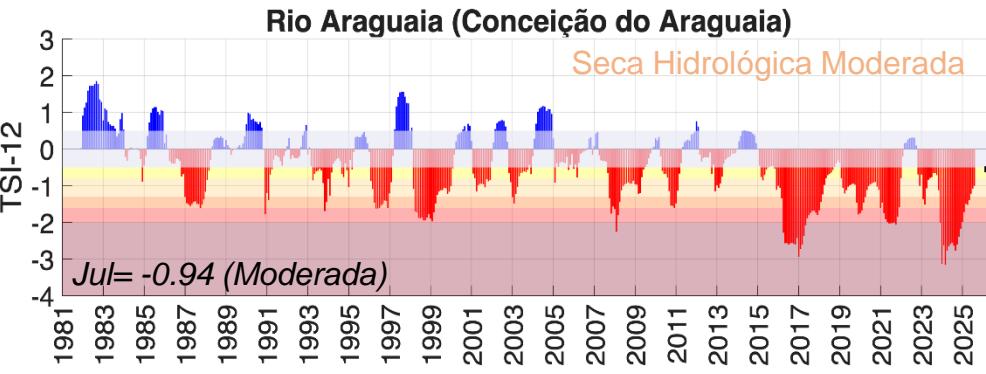
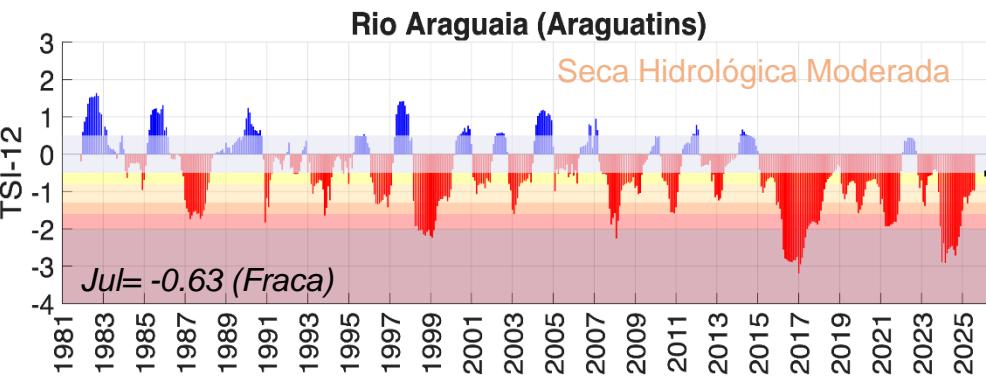


Fonte: CEMADEN
Dados: Precipitação (Cemaden/INMET/CHIRPS) e
Vazão (ONS/ANA) - Jan/1981-Ago/25.

Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Escala de longo prazo

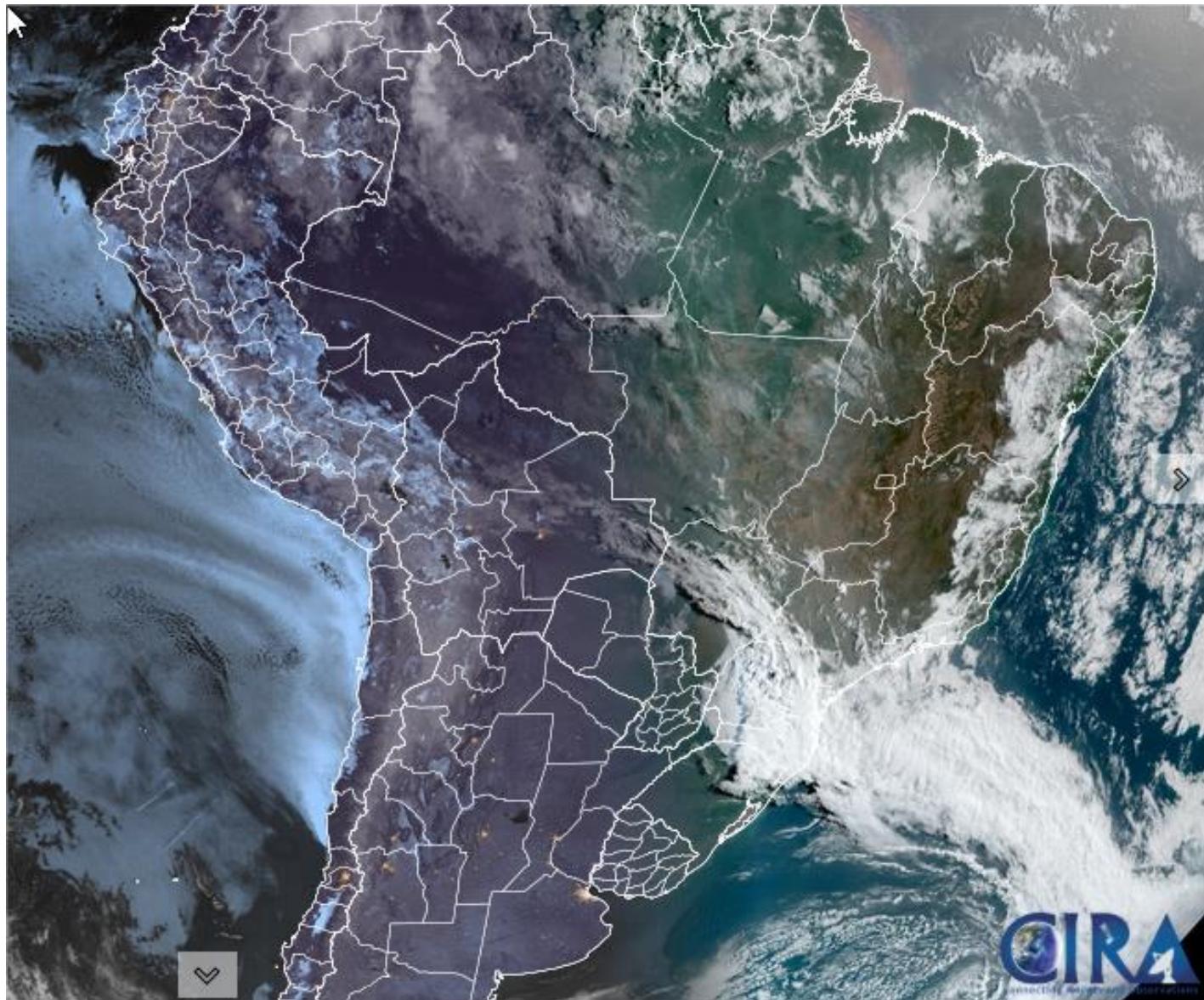
Agosto/2025



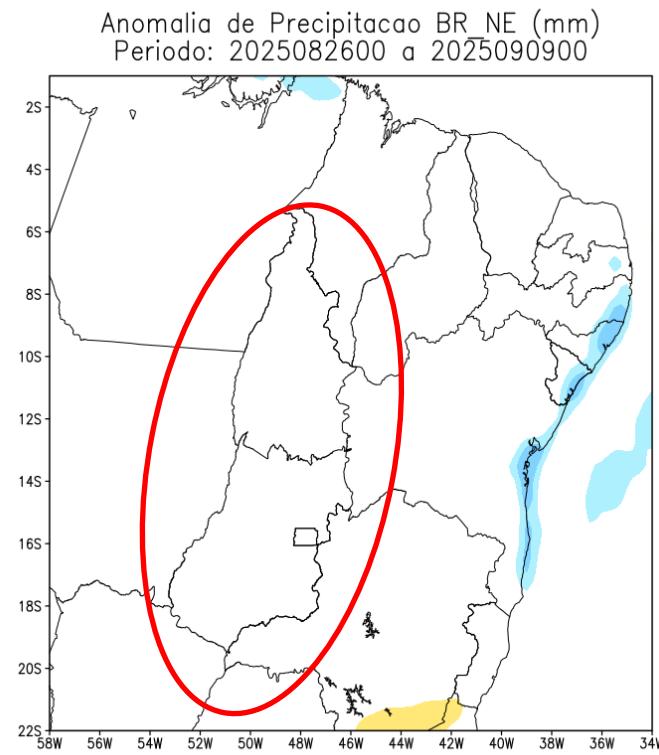
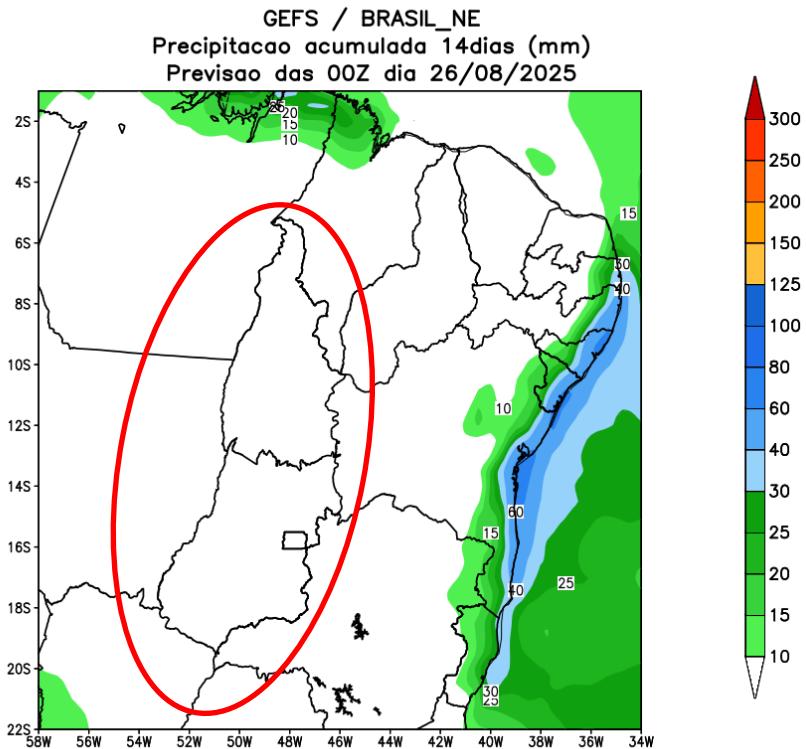
Fonte: CEMADEN

Dados: Precipitação (Cemaden/INMET/CHIRPS) e
Vazão (ONS/ANA) - Jan/1981-Ago/2025.

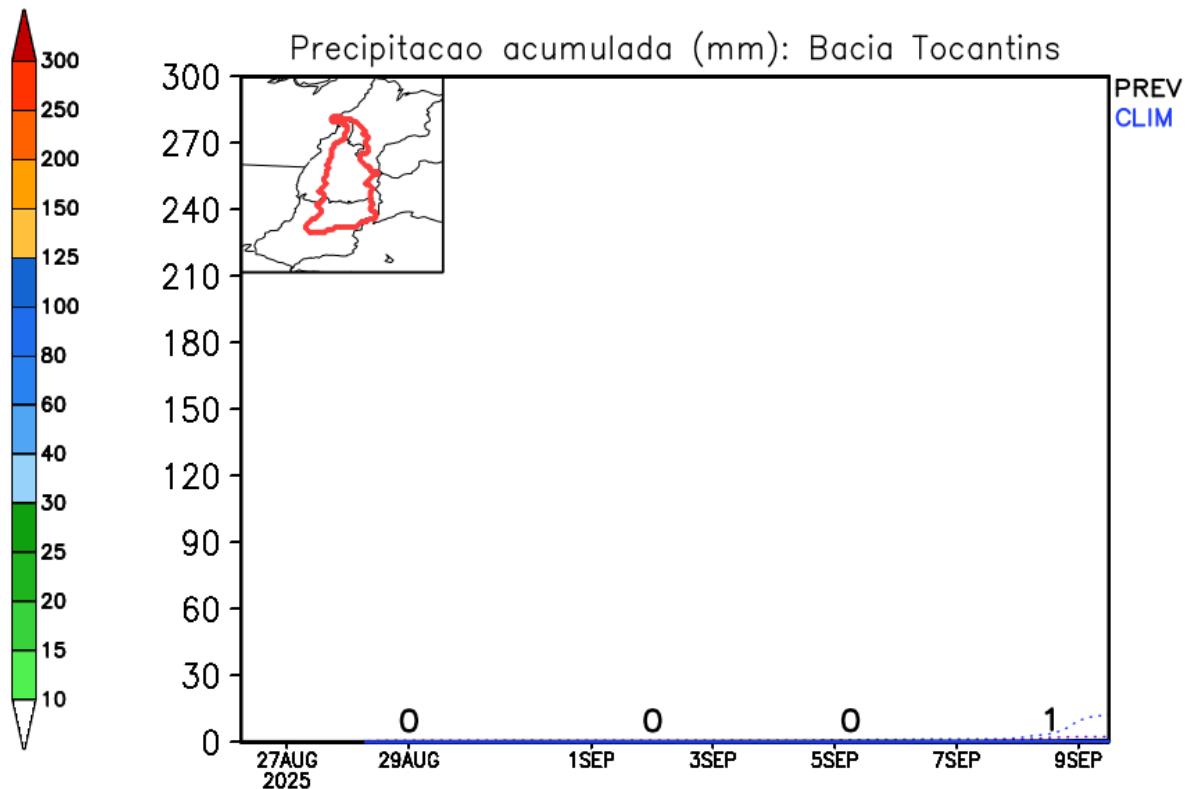
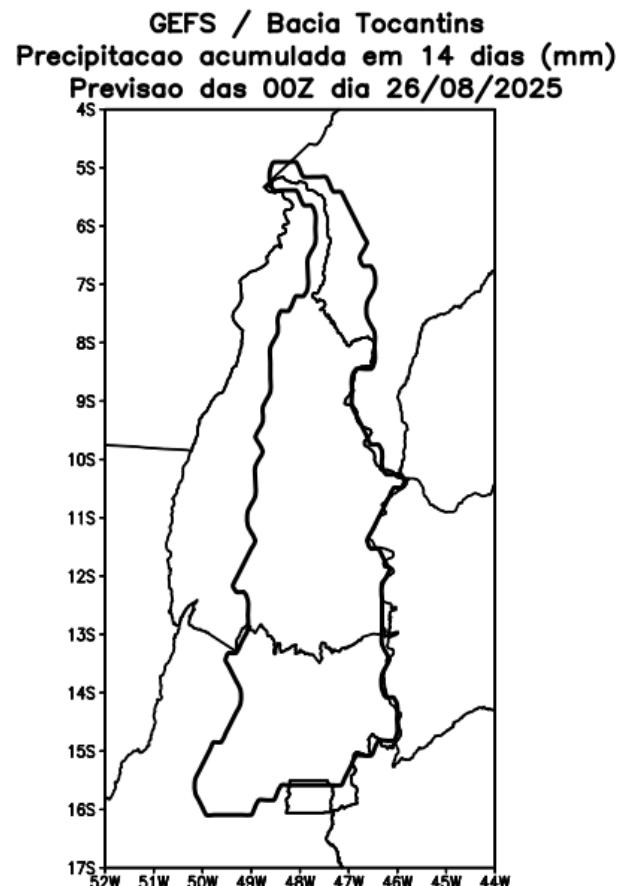
Situação meteorológica atual



Previsão de chuva - acumulada 2 semanas



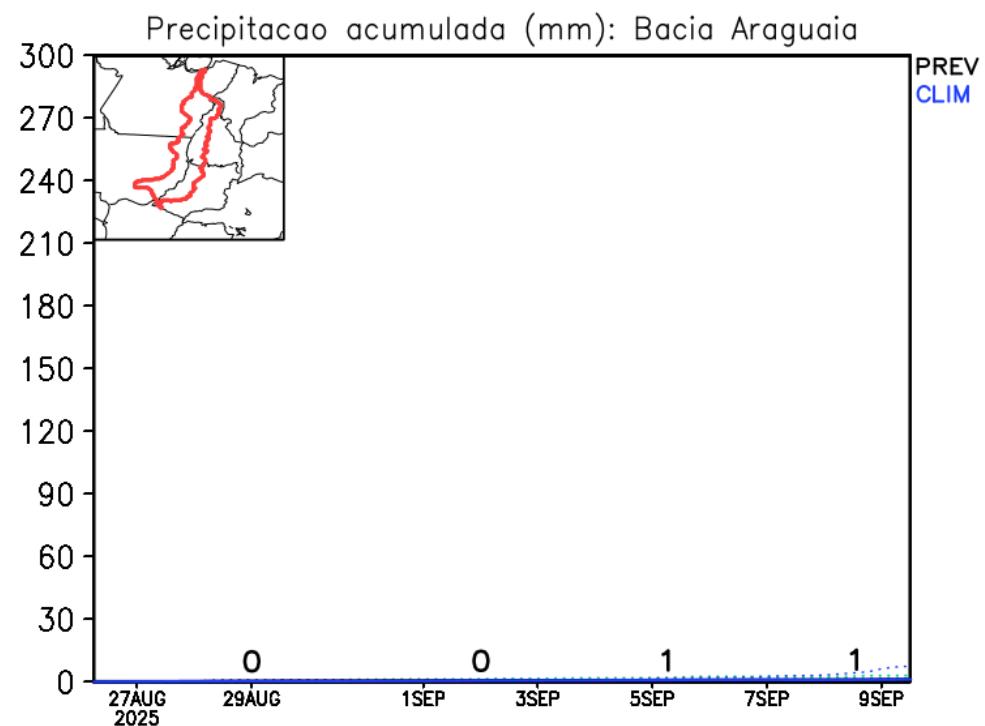
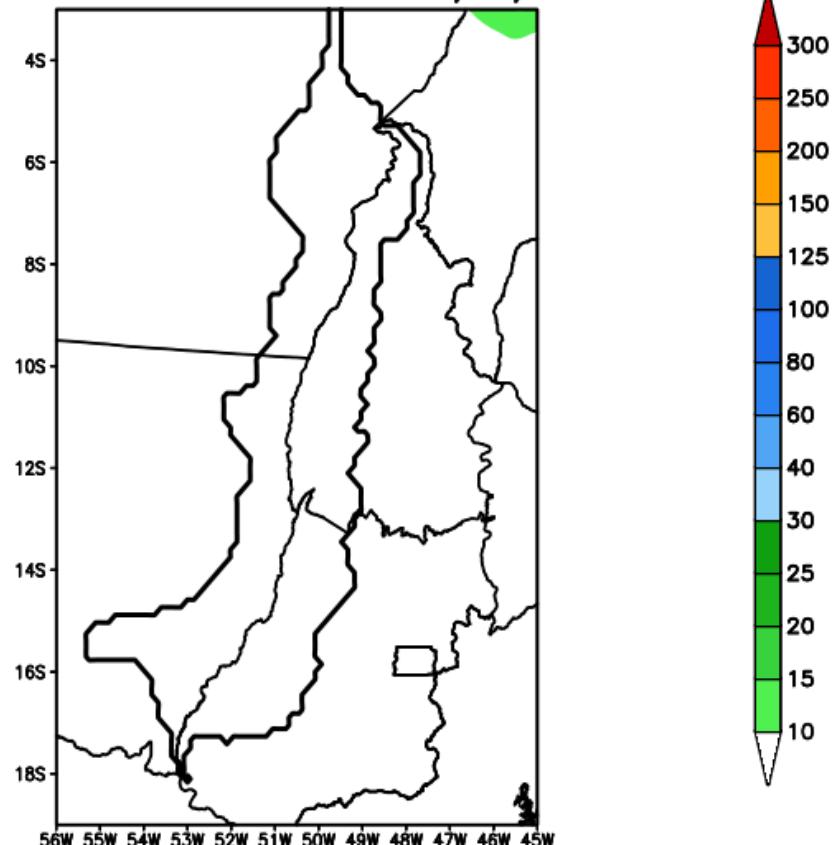
Previsão Bacia Rio Tocantins



Fonte: GEFS/NOAA

Previsão Bacia Rio Araguaia

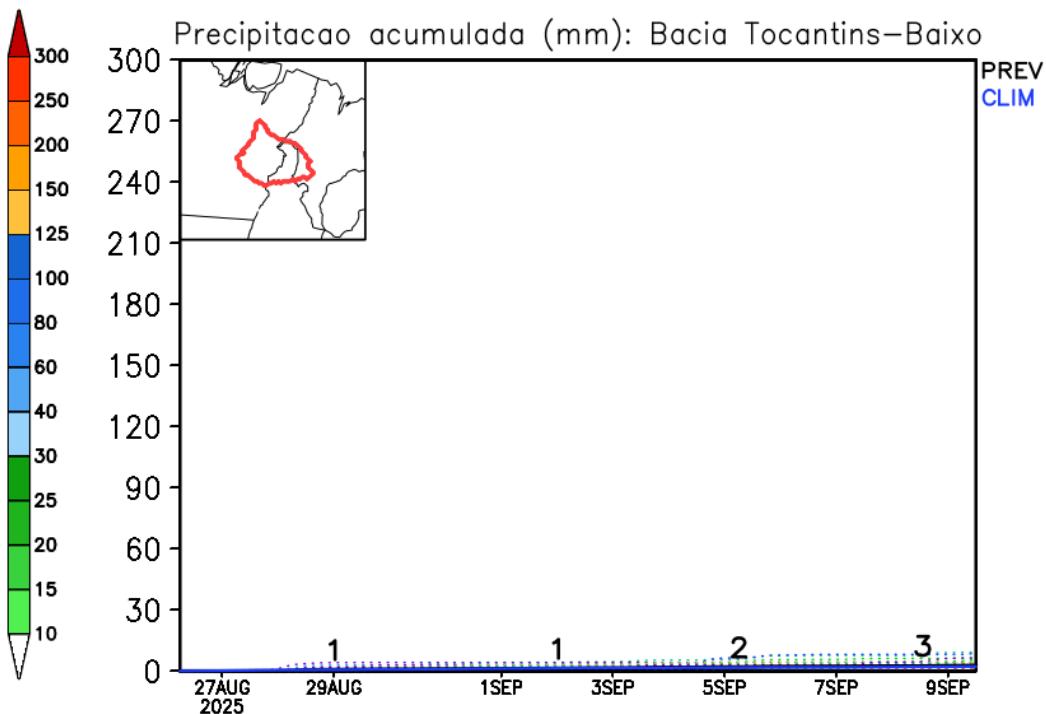
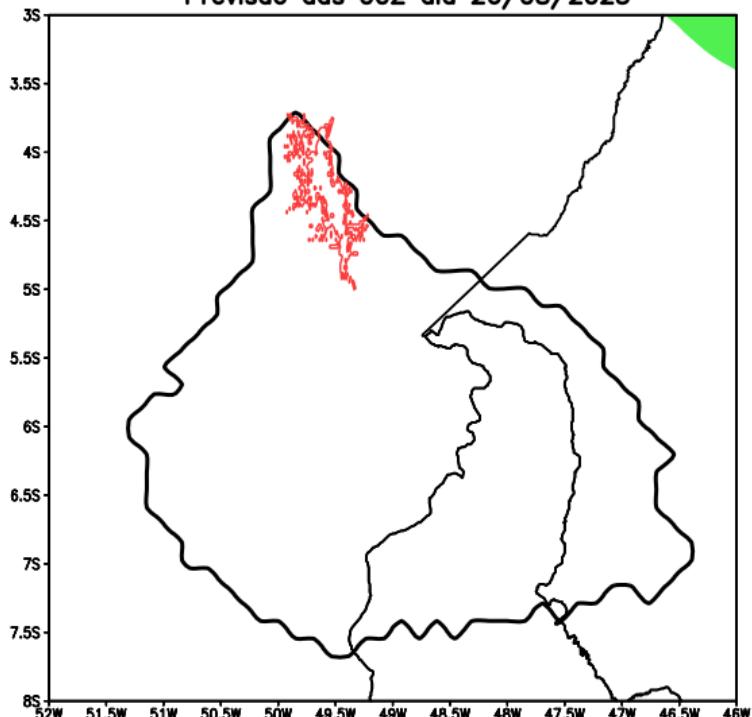
GEFS / Bacia do Rio Araguaia
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/08/2025



Fonte: GEFS/NOAA

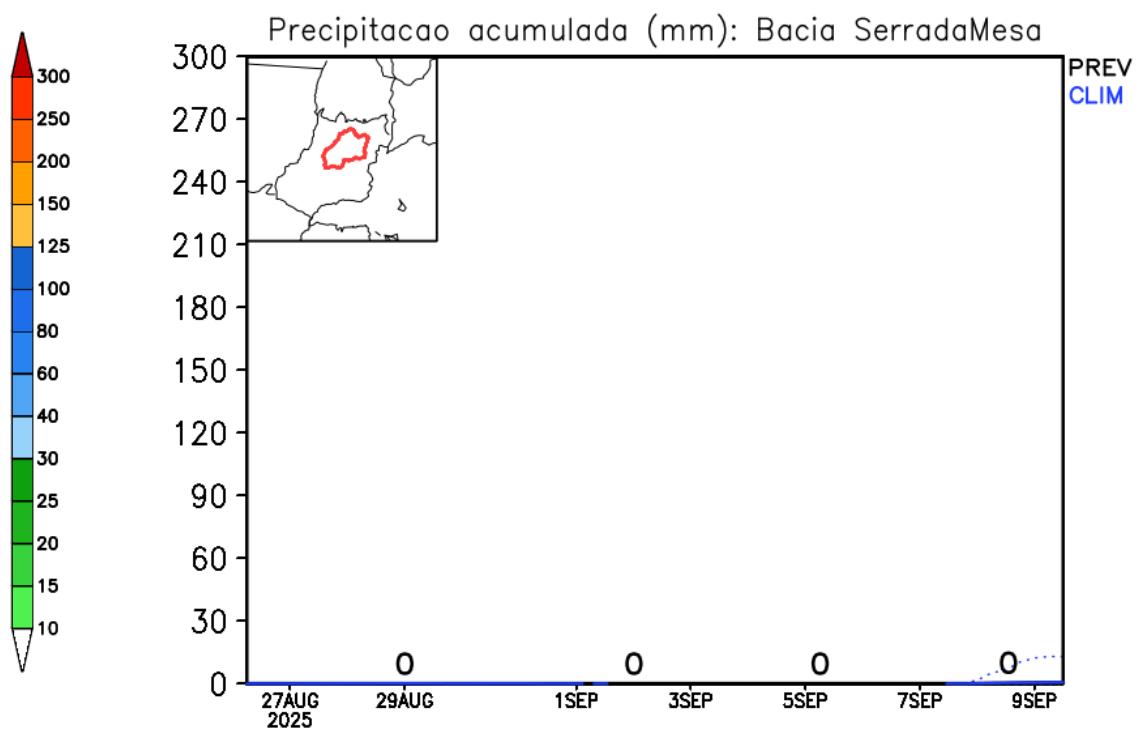
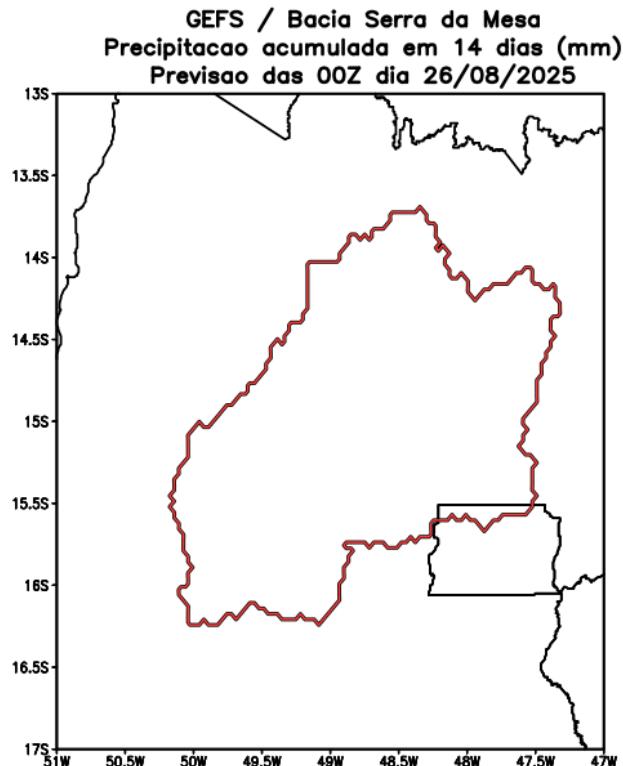
Previsão Bacia Tocantins (Baixo)

GEFS / Bacia Baixo Tocantins
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 26/08/2025



Fonte: GEFS/NOAA

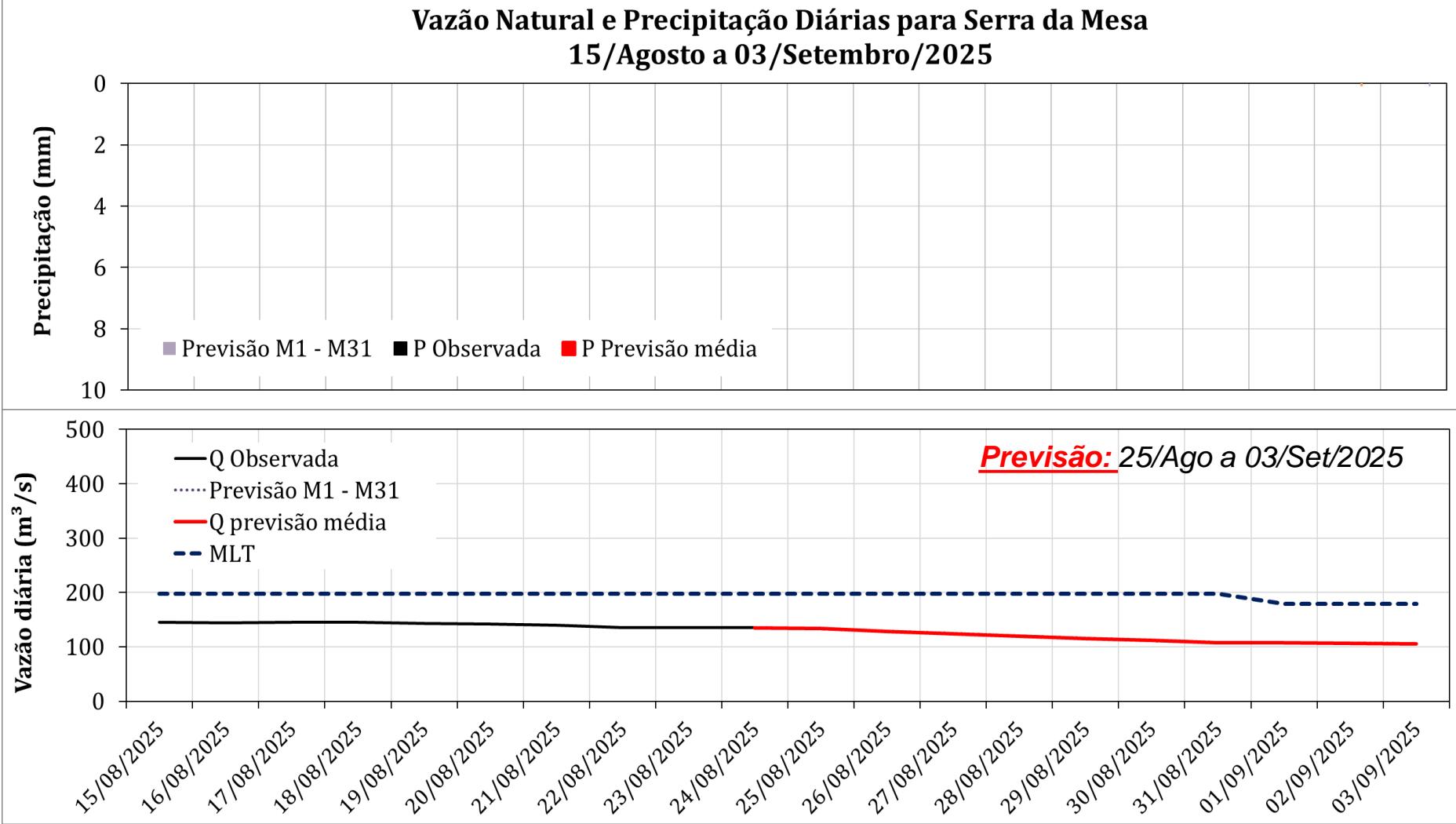
Previsão Bacia Serra da Mesa



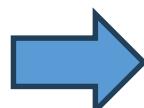
Fonte: GEFS/NOAA

Serra da Mesa: Previsão de Vazão (modelo hidrológico PDM-CEMADEN)

Vazão Natural e Precipitação Diárias para Serra da Mesa
15/Agosto a 03/Setembro/2025



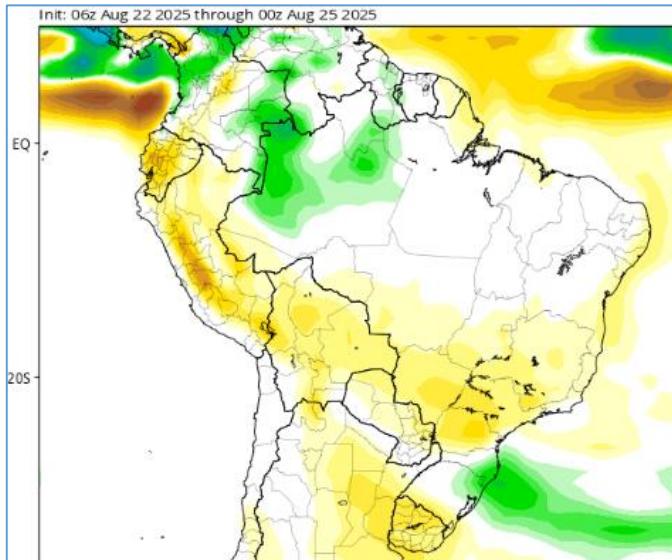
Previsão média para
os próximos 10 dias: 116 m^3/s



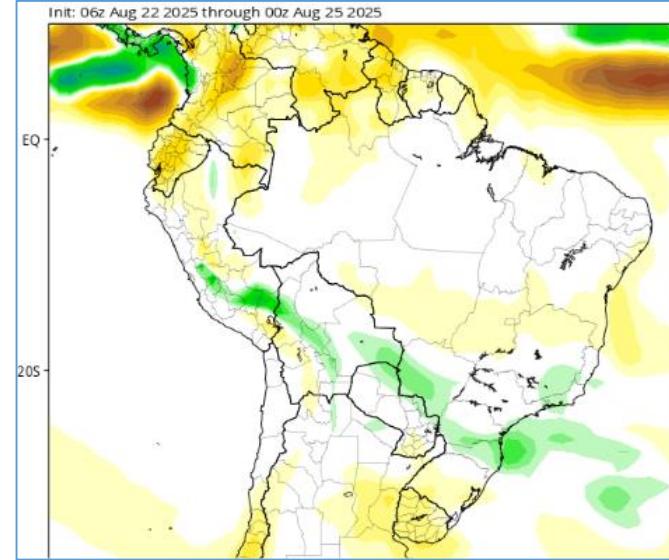
59% da MLT de Agosto
65% da MLT Setembro

Tendência 3a e 4a semanas

08-15 Set

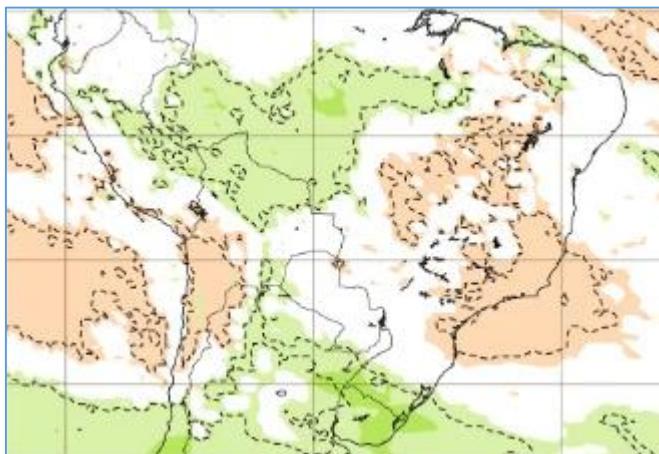


15-22 Set

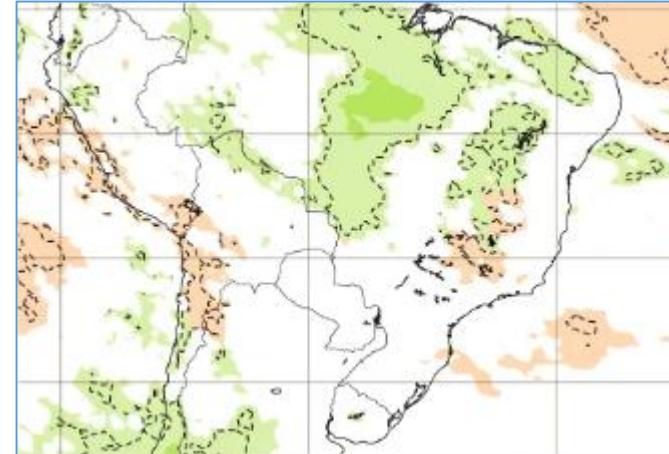


CFS/NOAA

ECMWF



08-15 Set



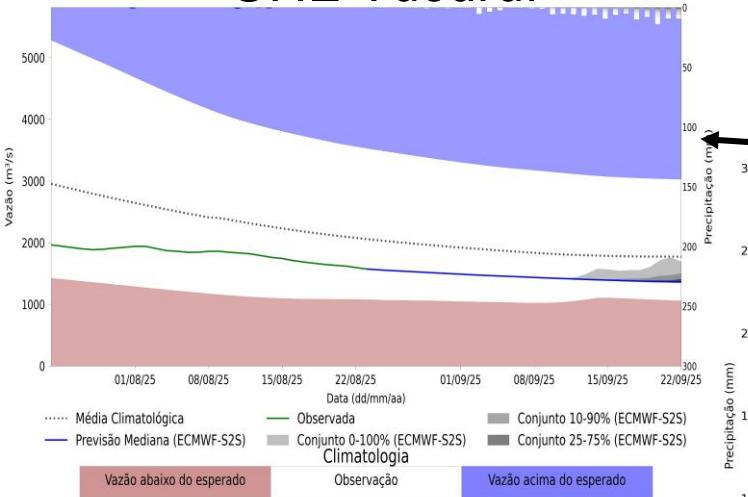
15-22 Set



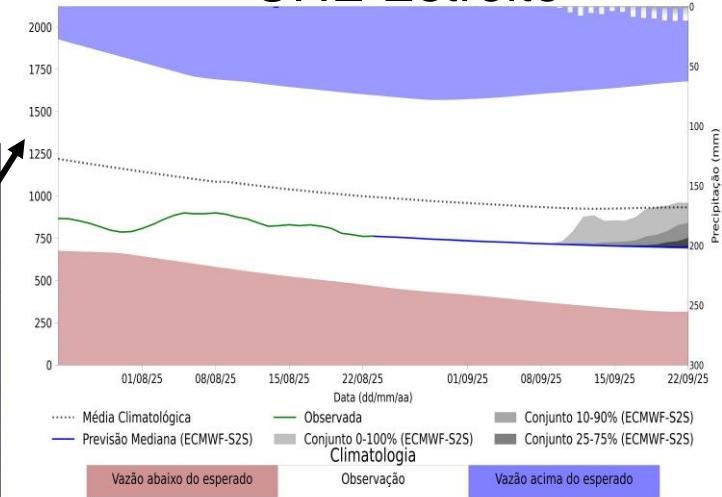
Previsão de vazão natural na Bacia Rio Tocantins-Araguaia 30 dias (Modelo hidrológico MHD)

Previsão: 23/08/2025 a 22/09/2025

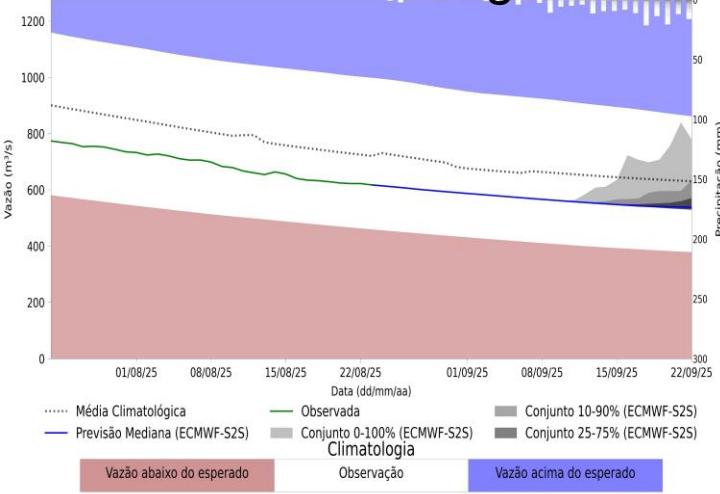
UHE Tucuruí



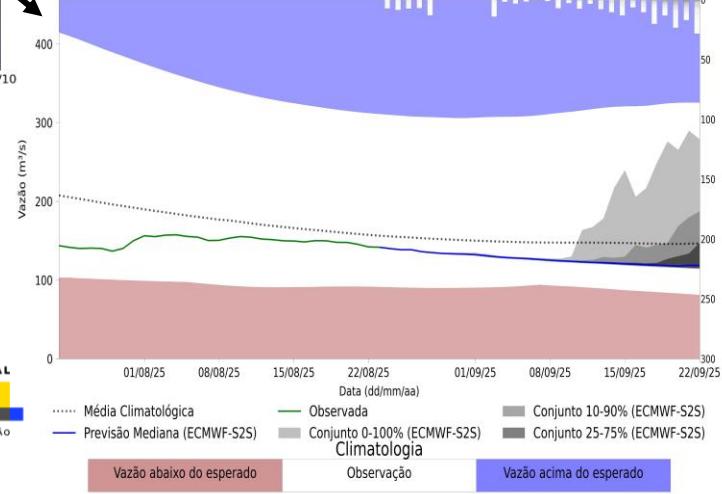
UHE Estreito



São Felix do Araguaia - MT



UHE Serra da Mesa



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

MLT: 1993-2024

Previsão Meteorológica: ECMWF-S2S

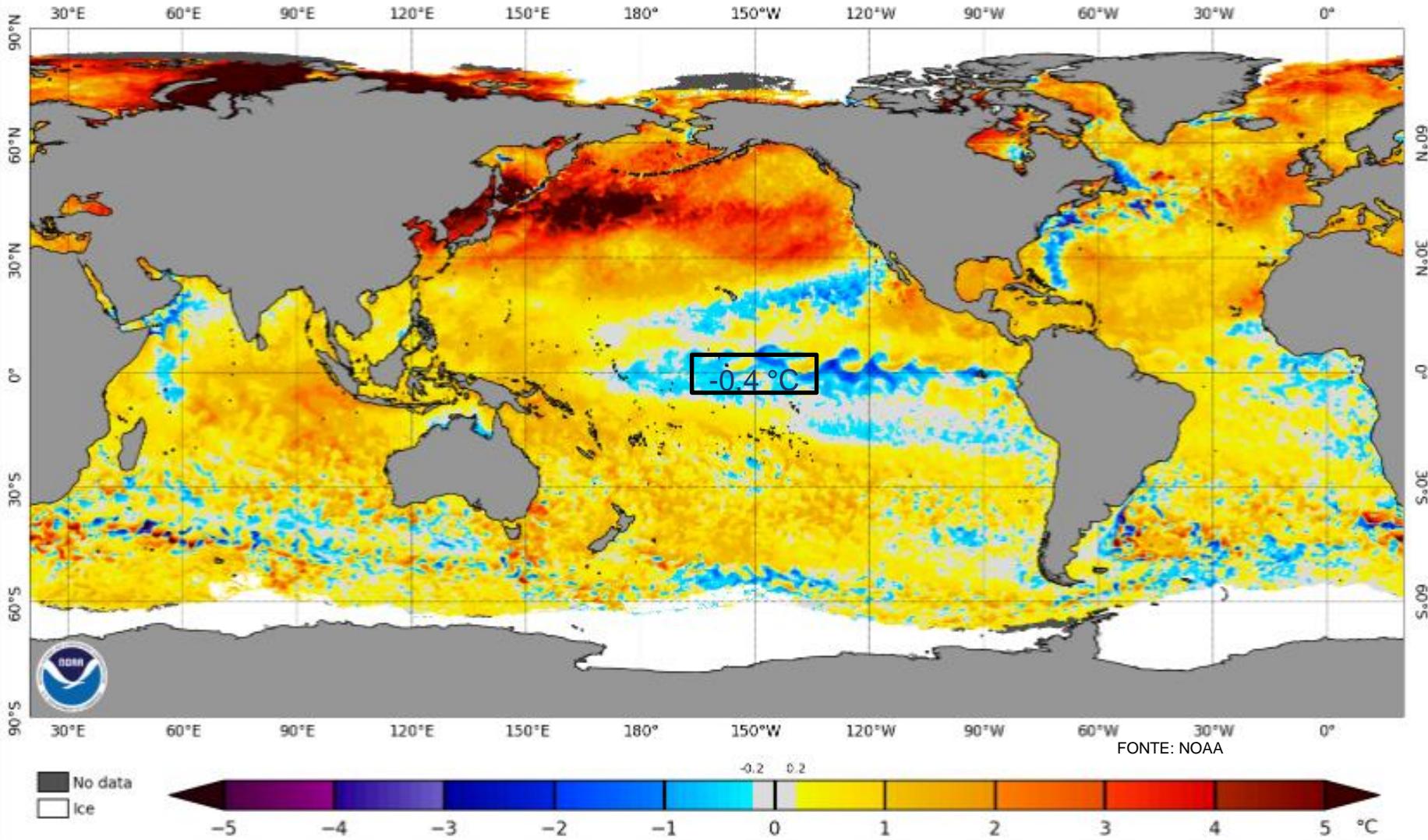


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

GOVERNO FEDERAL
BRAZIL
UNIÃO E RECONSTRUÇÃO

Status Atual: La Niña Watch

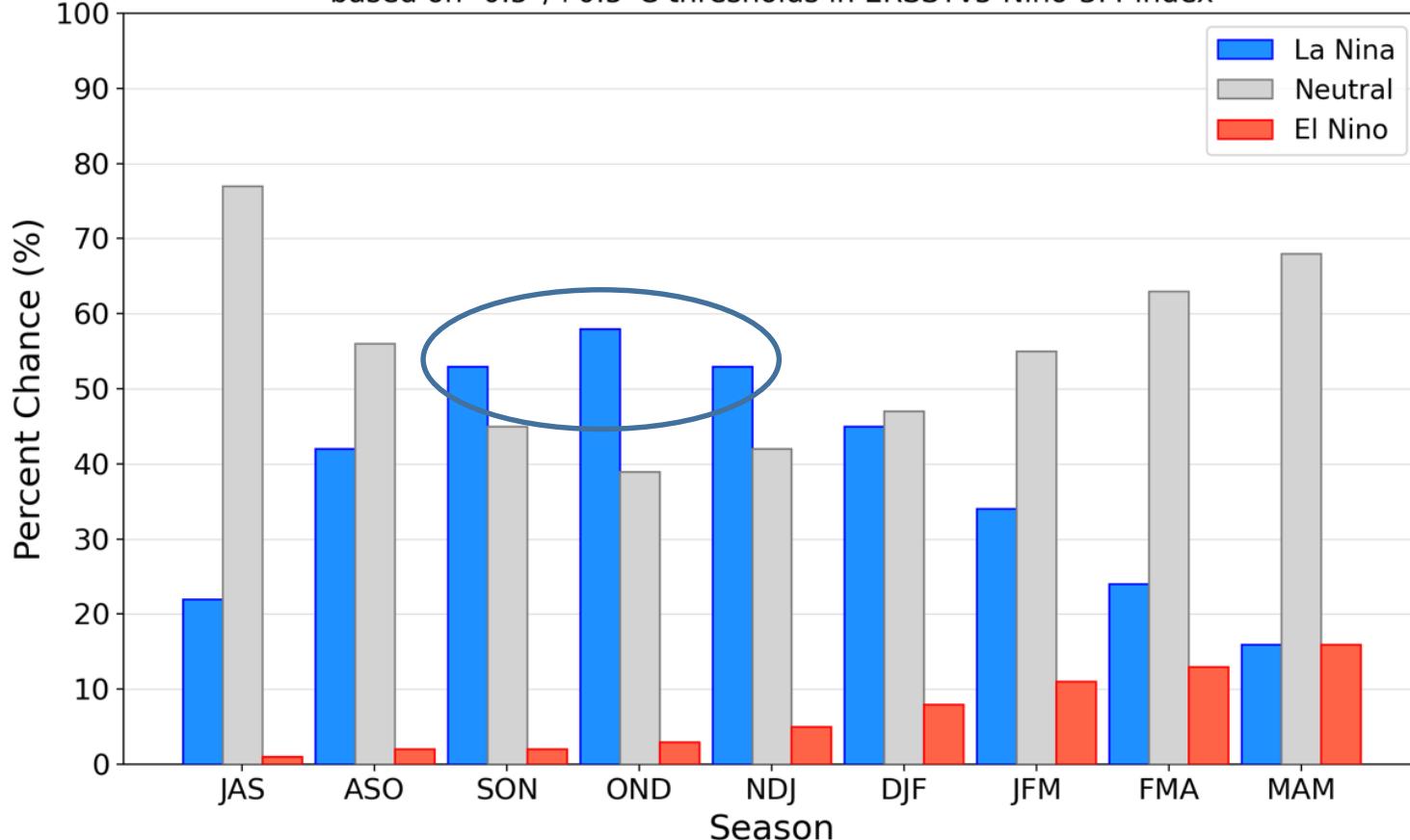
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 23 Aug 2025



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”

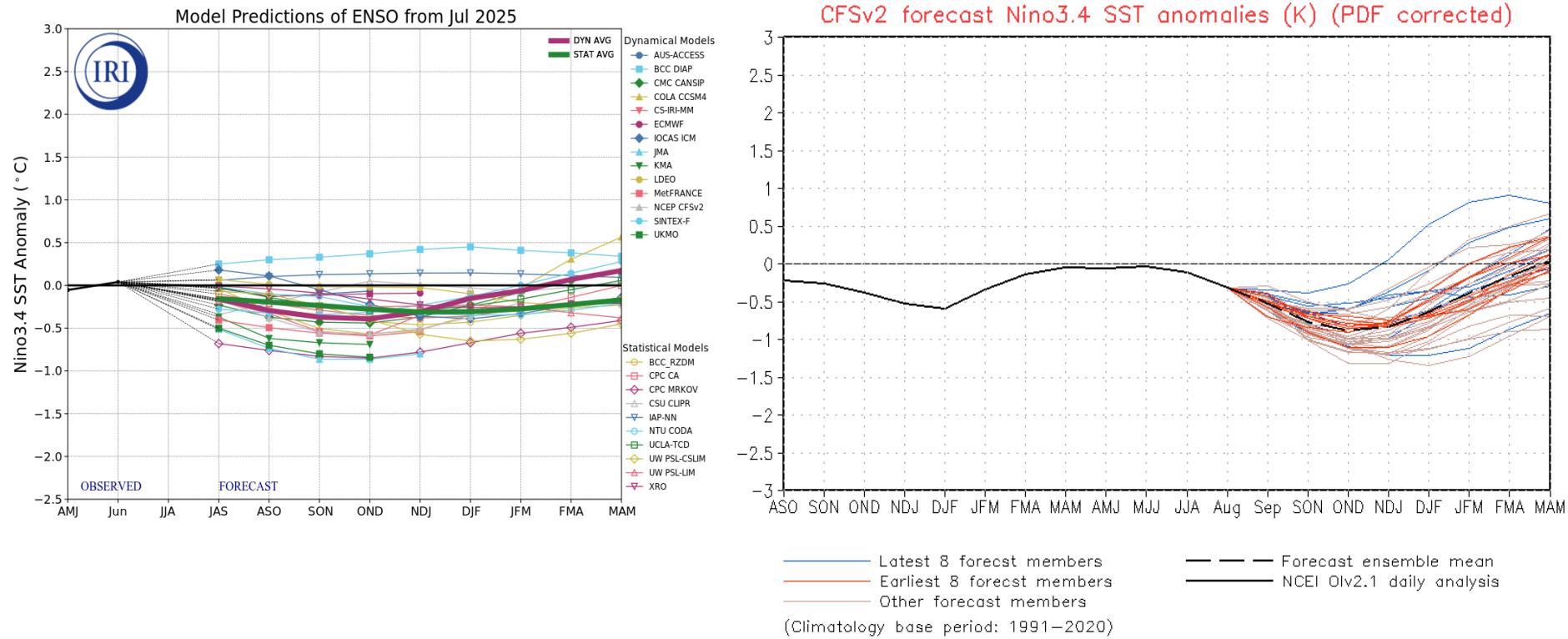
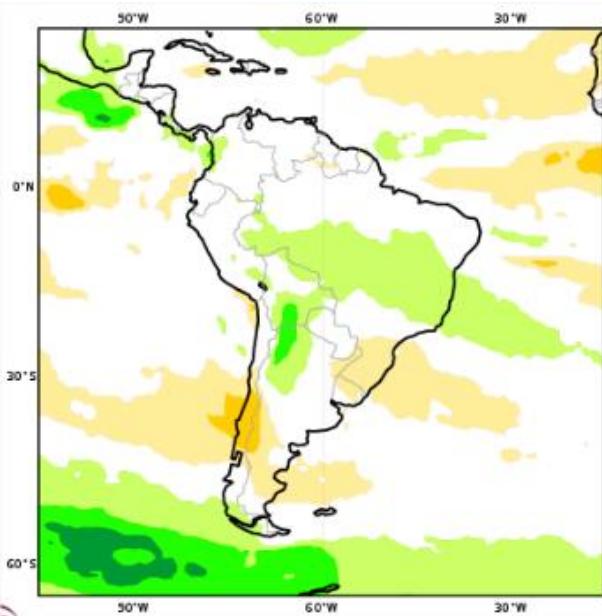


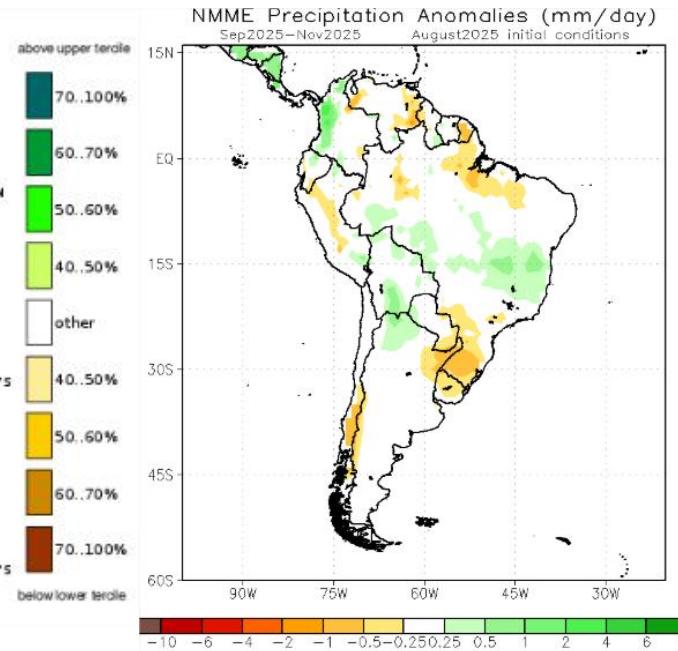
Figure provided by the International Research Institute (IRI) for Climate and Society (updated 18 July 2025).

Previsão Sazonal de Chuva Multi-Modelo

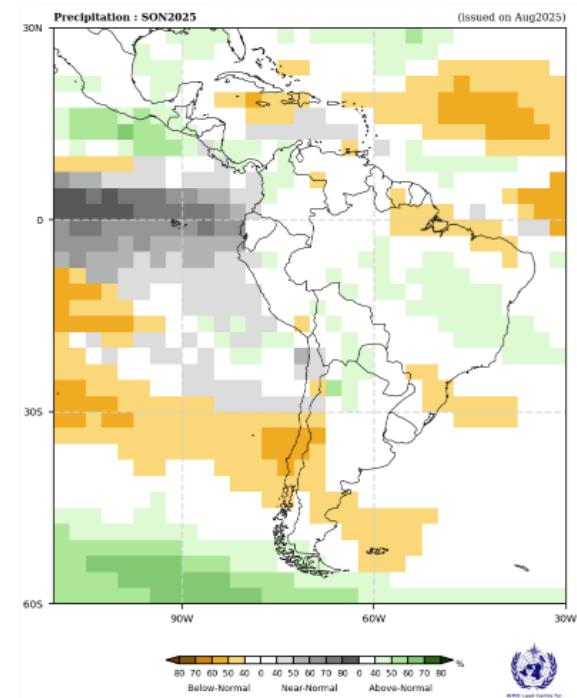
Setembro-Outubro-Novembro



Modelos “Europeus”



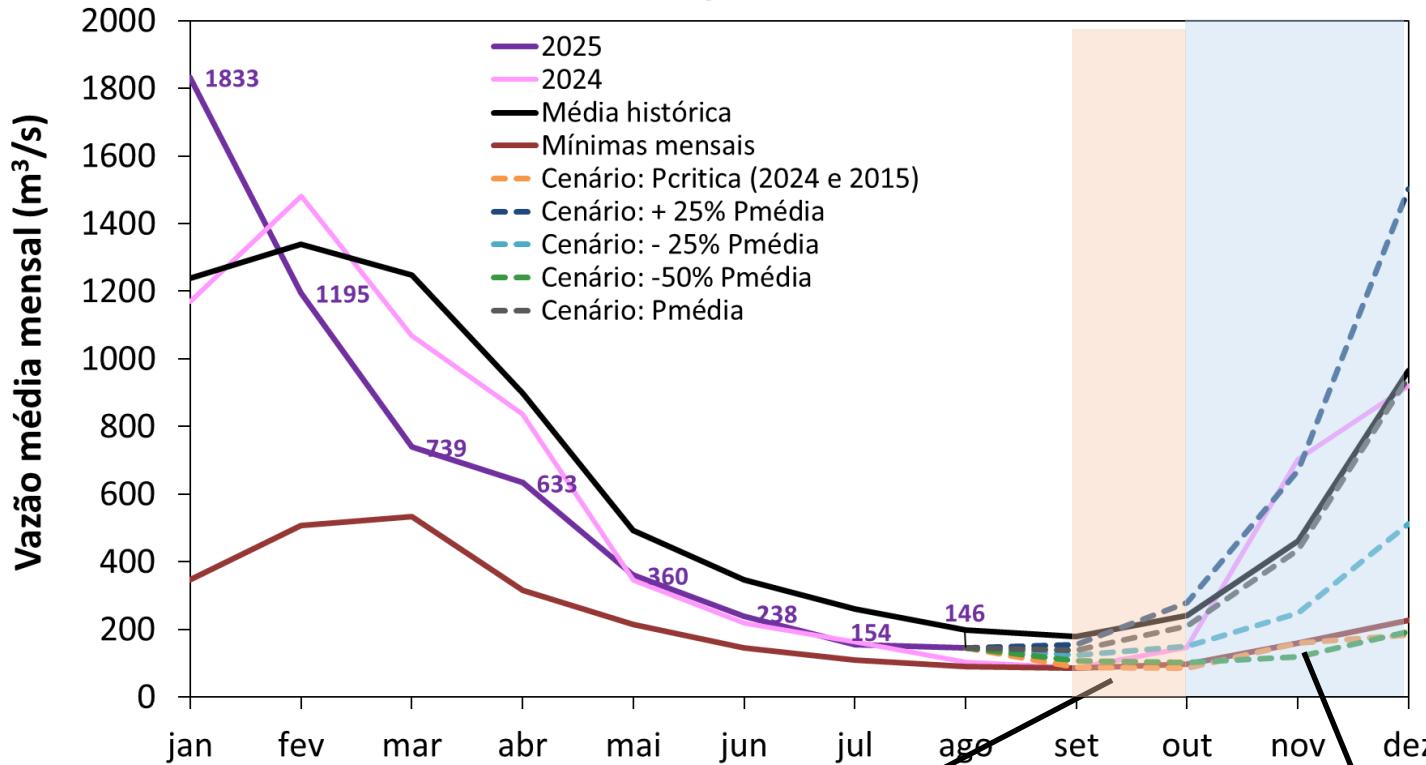
Modelos Norte Americanos



Modelos da WMO



Serra da Mesa: Projeção de Vazão (modelo hidrológico PDM-CEMADEN)



Setembro (Mes seco)

MLT: 179 m^3/s

Vazão	% MLT
156 m^3/s	87%
139 m^3/s	78%
123 m^3/s	68%
2024 → 89 m^3/s	49%

Out-Dez (Meses Chuvosos)

MLT: 556 m^3/s

Vazão	% MLT
817 m^3/s	147%
530 m^3/s	95%
303 m^3/s	54%
2015 → 143 m^3/s	26%