



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

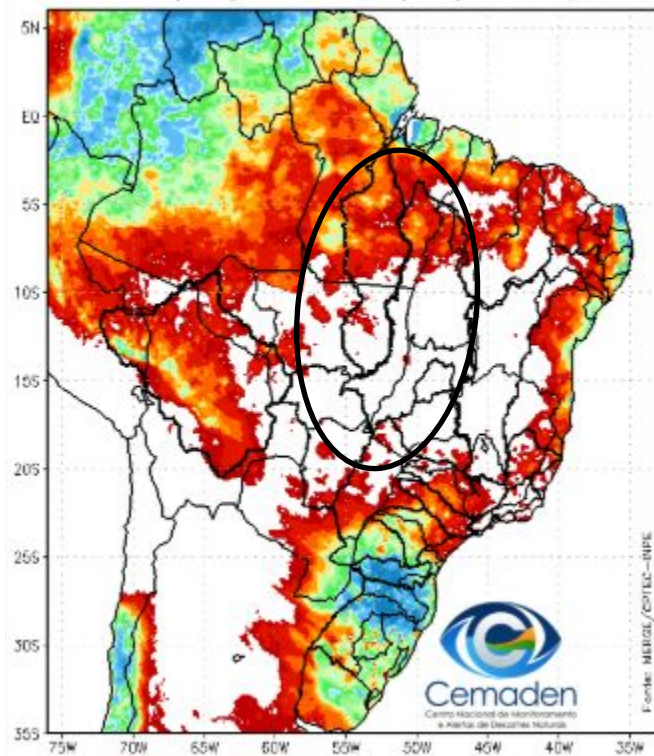
Monitoramento e Previsões da Situação do rio Tocantins

Julho de 2026

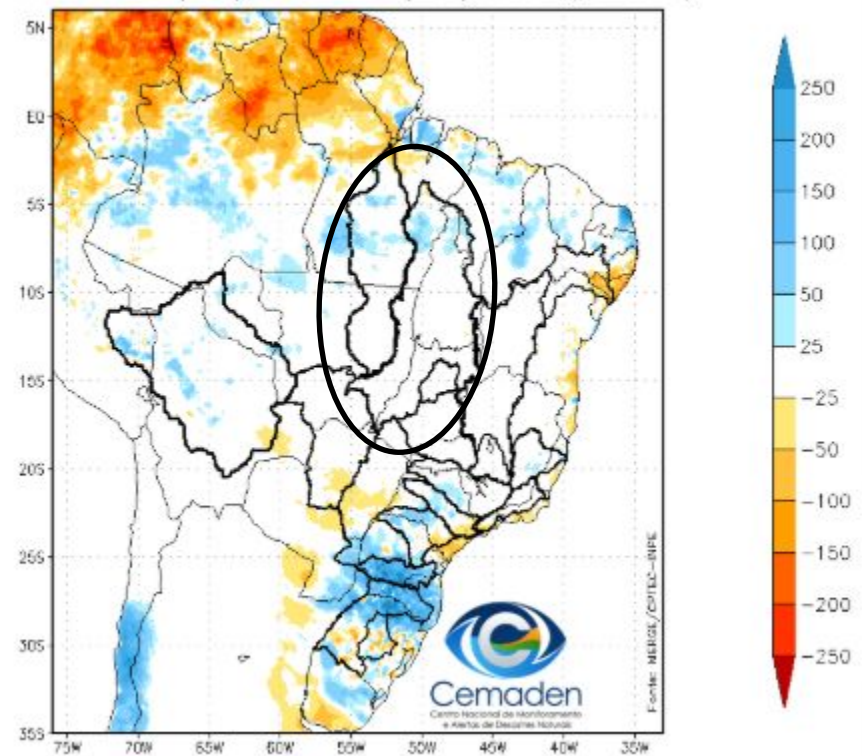


Precipitação acumulada últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 27/06/2026 a 27/07/2026 (30 dias)



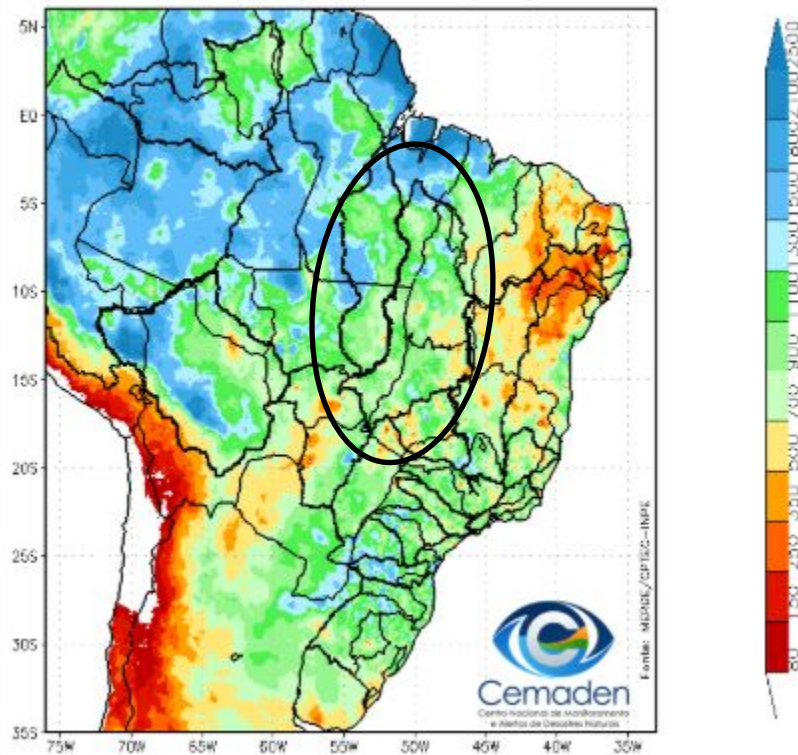
Anomalia de Precipitação (mm) A.S.
Período: 27/06/2026 a 27/07/2026 (30 dias)



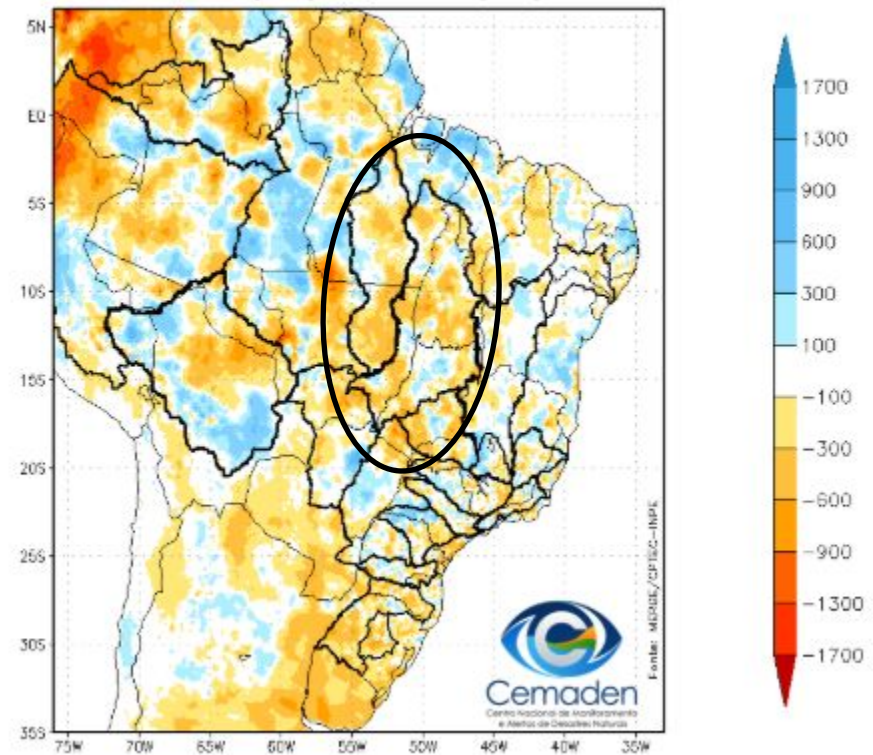
Fonte dos dados: Merge/INPE

Precipitação acumulada no Ano Hidrológico desde 01 de outubro

Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2025 a 27/07/2026



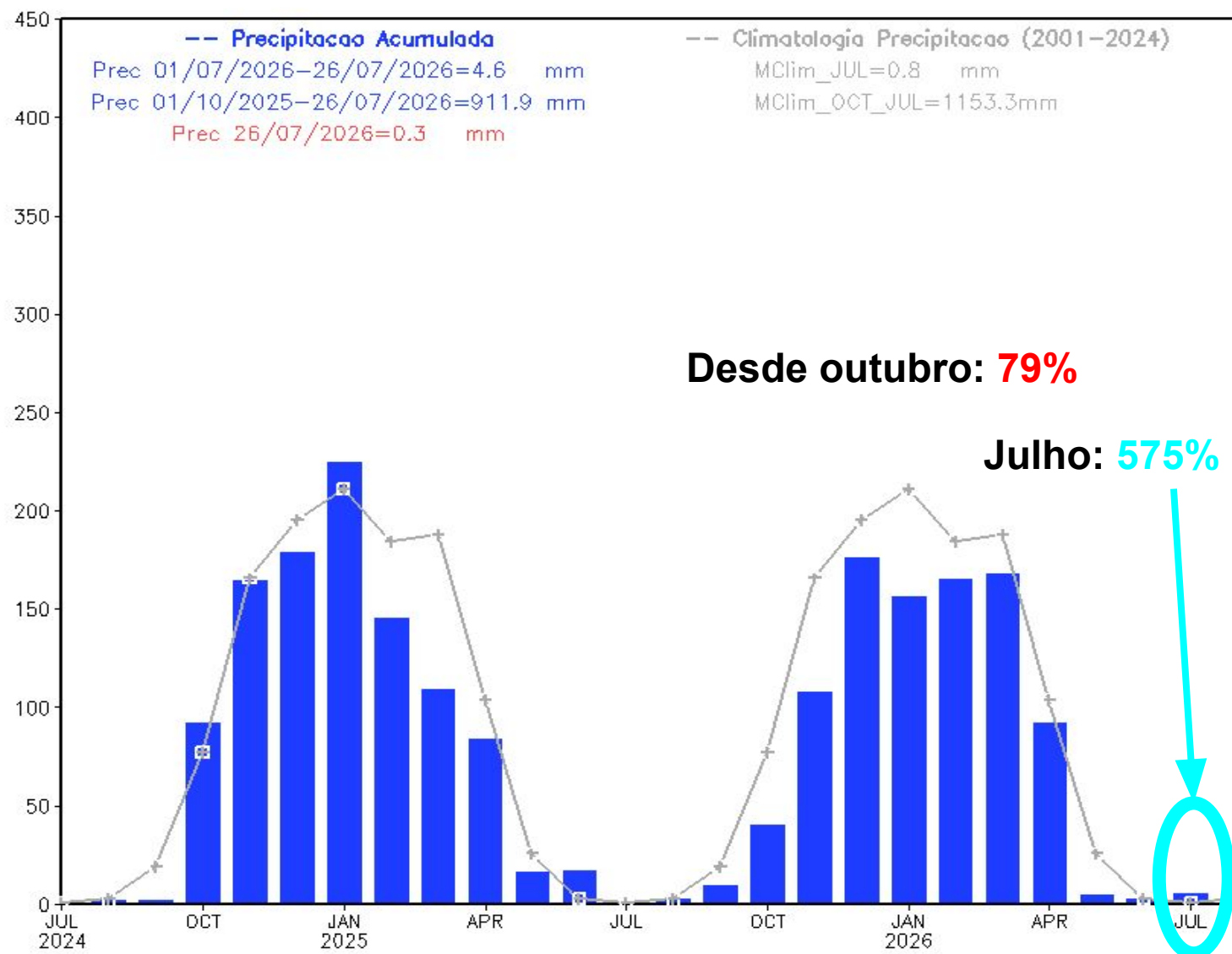
Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2025 a 27/07/2026



Fonte dos dados: Merge/INPE

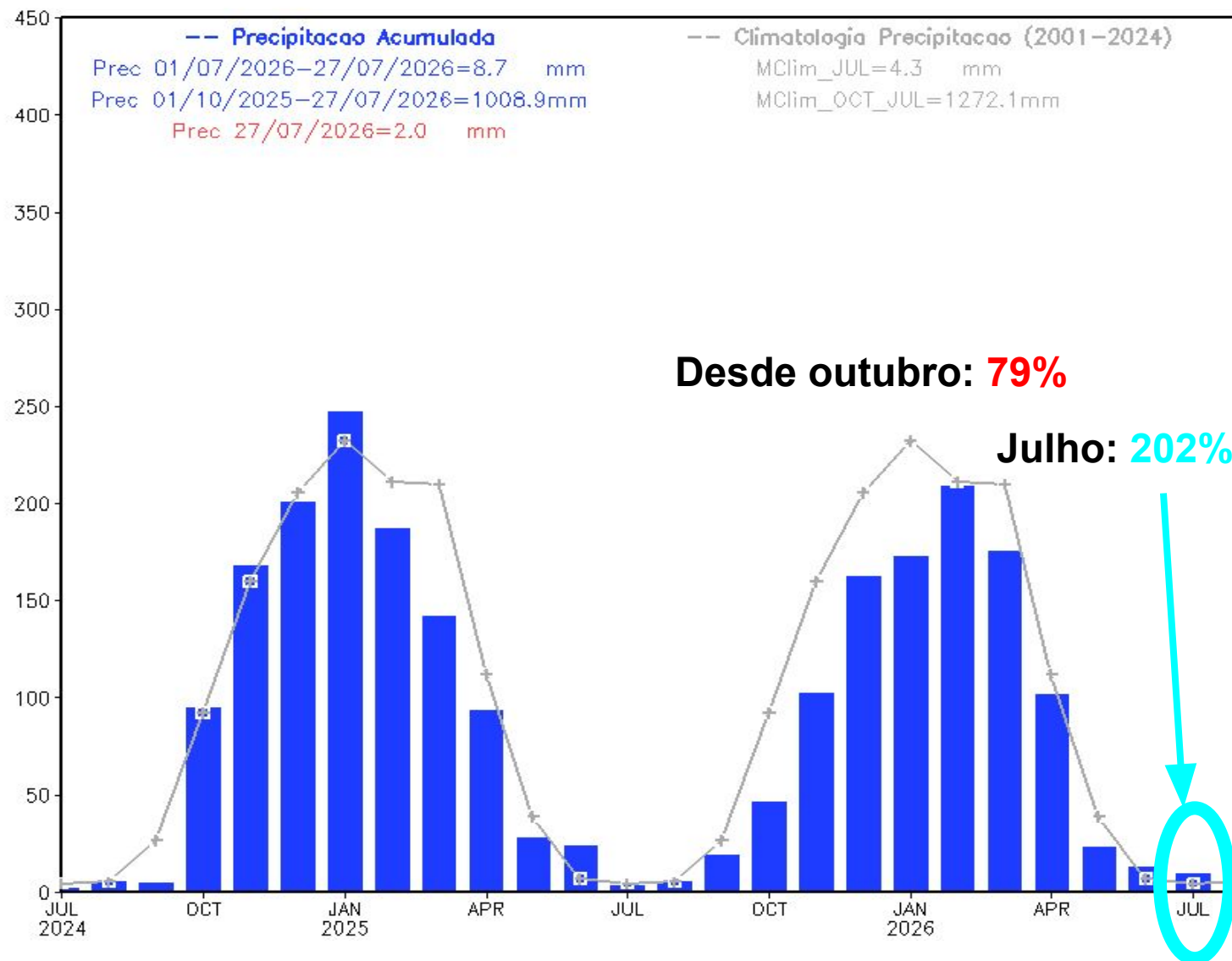
Precipitação Acumulada nos últimos Dois Anos

Precipitação Bacia do Rio Tocantins
desde JUL 2024

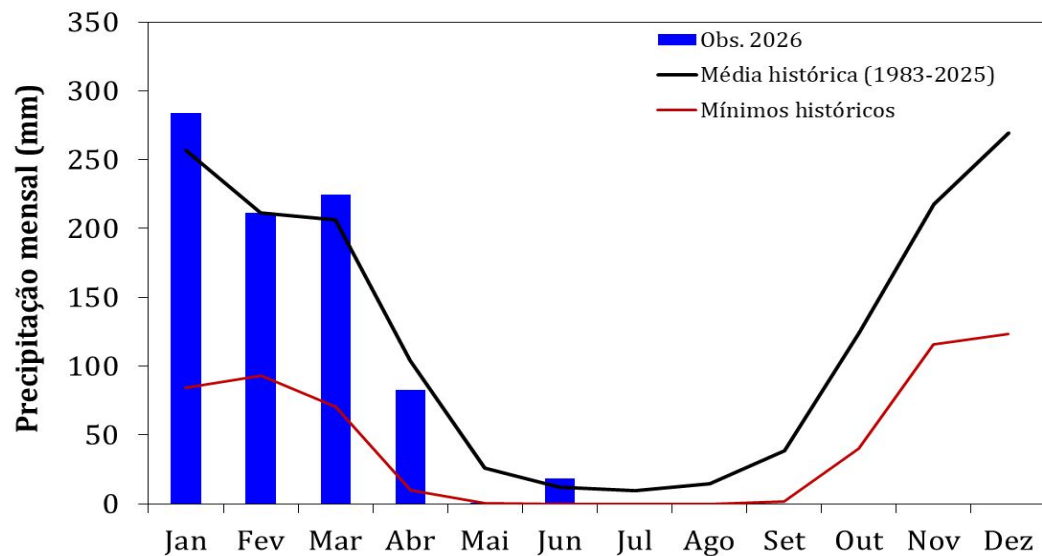


Precipitação Acumulada nos últimos Dois Anos

Precipitacao Bacia do Rio Araguaia
desde JUL 2024



Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1390 mm

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

2025/2026: 1260 mm (**91% da MLT**)

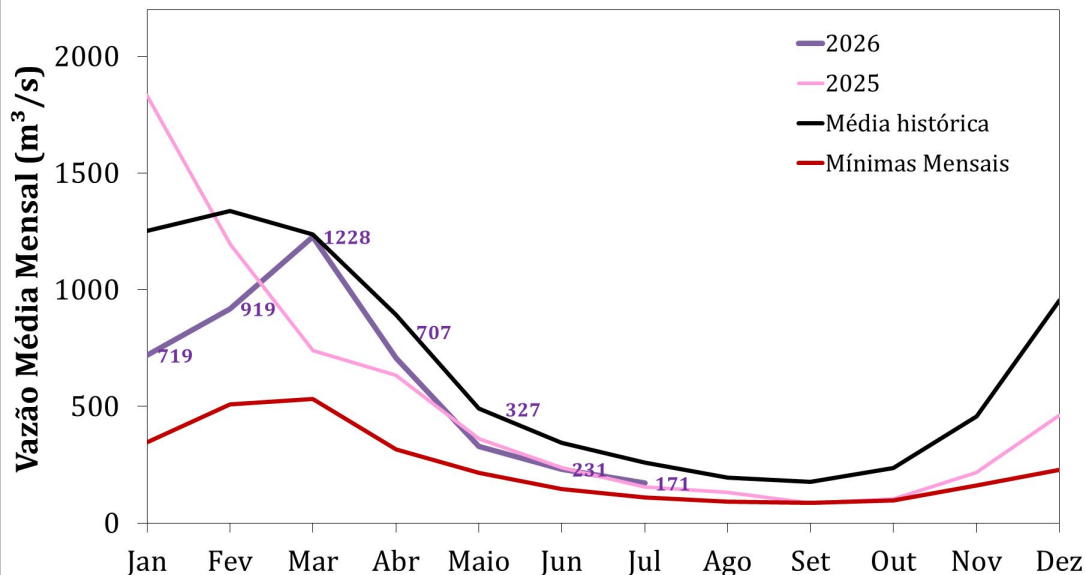
Estação Seca - Maio a Set – 100 mm

2025: 24 mm (**23% da MLT**)

2026: 19 mm (**33% da MLT PARCIAL**)

Jul/2026*: 0 mm (MLT = 9 mm)

*Até 27/07/2026



Vazão

Estação Chuvosa - Out a Abr – 909 m³/s

2024/2025: 881 m³/s (**97% da MLT**)

2025/2026**: 622 m³/s (**68% da MLT**)

Estação Seca - Maio a Set – 293 m³/s

2025: 194 m³/s (**66% da MLT**)

2026: 243 m³/s (**83% da MLT**)

Jul/26: 171 m³/s (66% da MLT)**

27/Jul: 152 m³/s (59% da MLT)

**Até 27/07/2026

Média de Longo Termo – MLT = 1983-2025

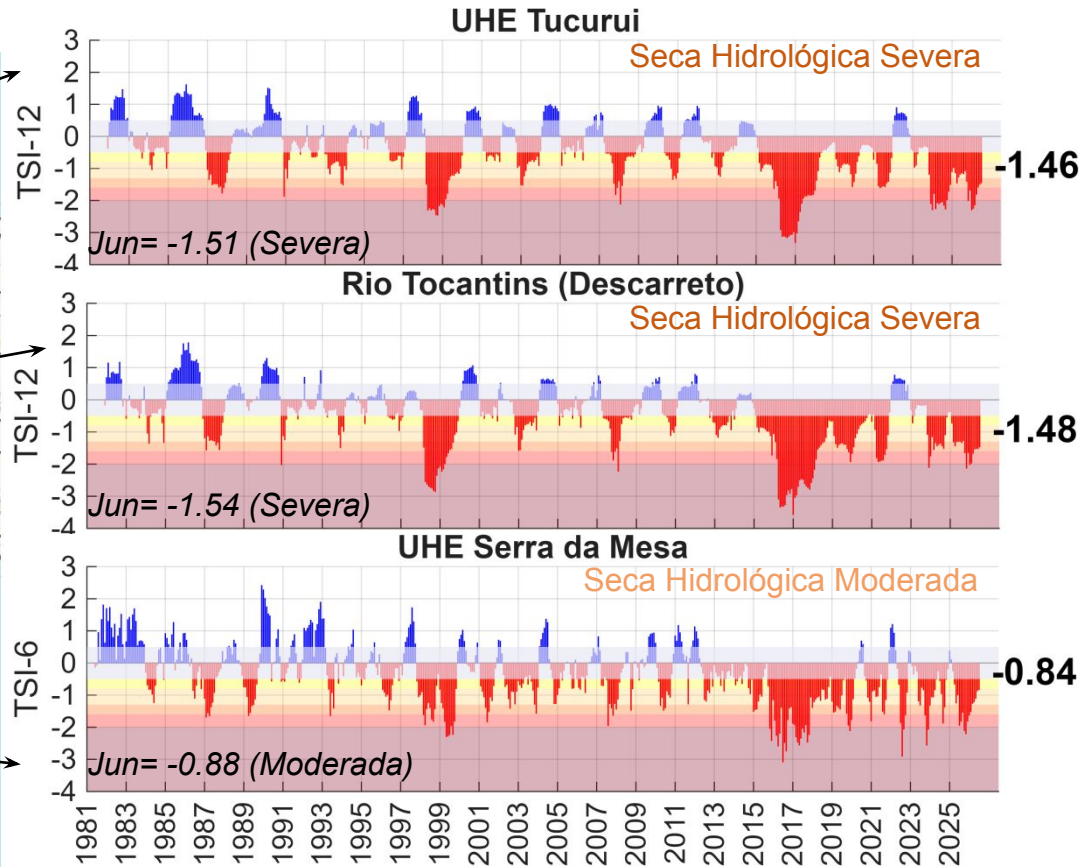
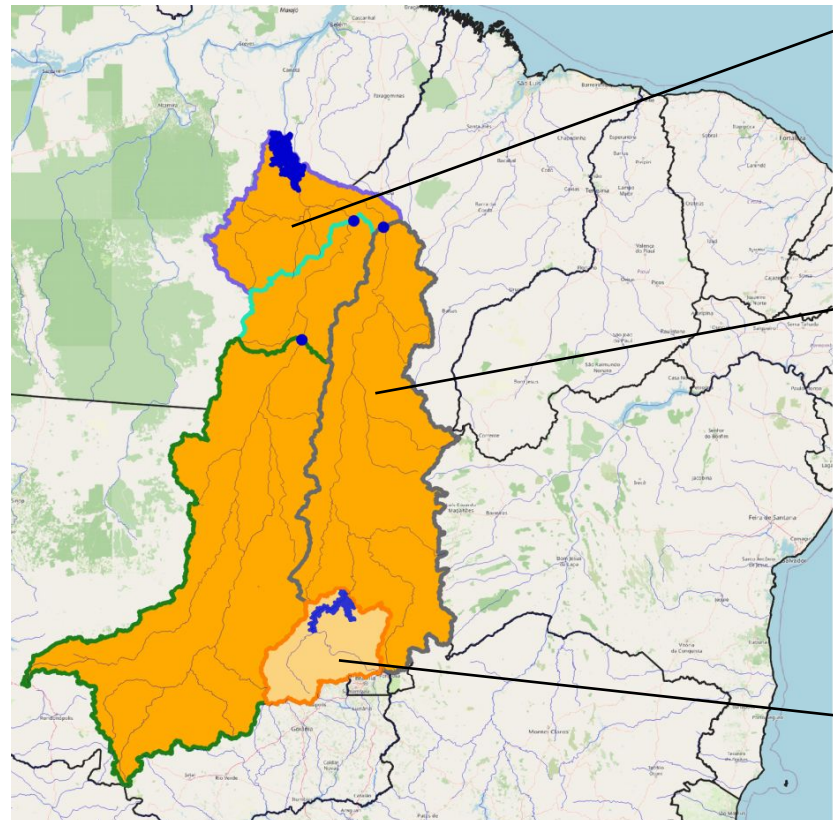
Dados de precipitação: INMET, ANA, CEMADEN

Dados de vazão: ONS e ANA

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

Escala de longo prazo

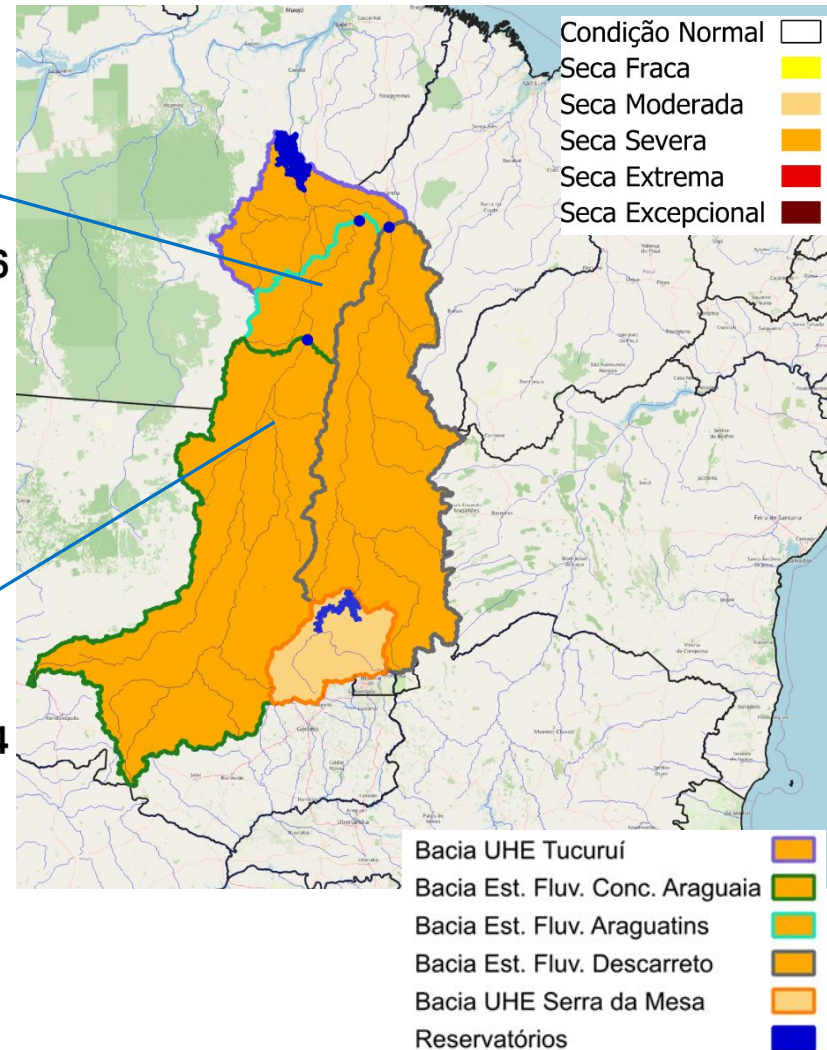
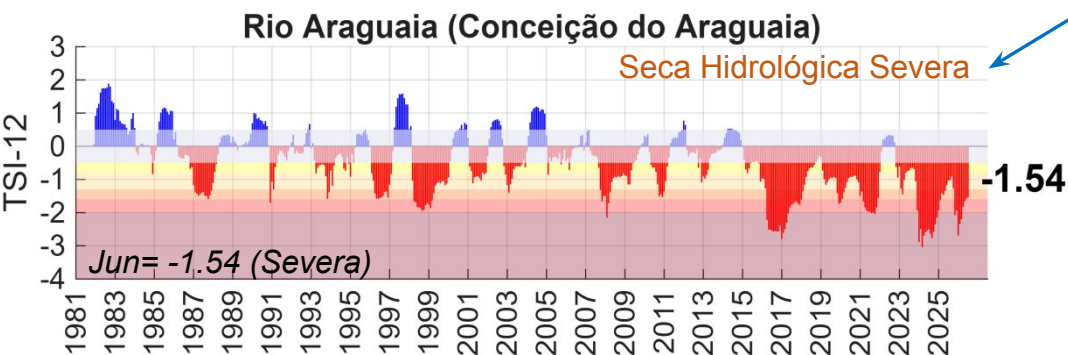
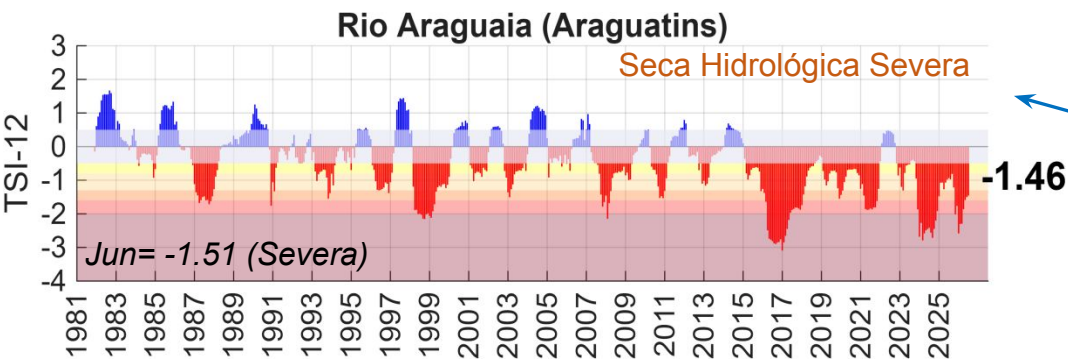
Jul/2026- Parcial



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

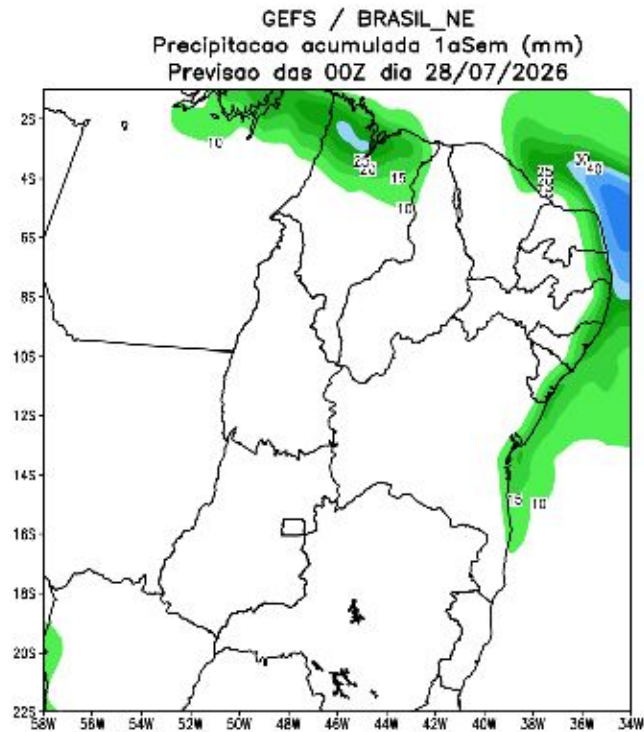
Escala de longo prazo

Jul/2026- Parcial

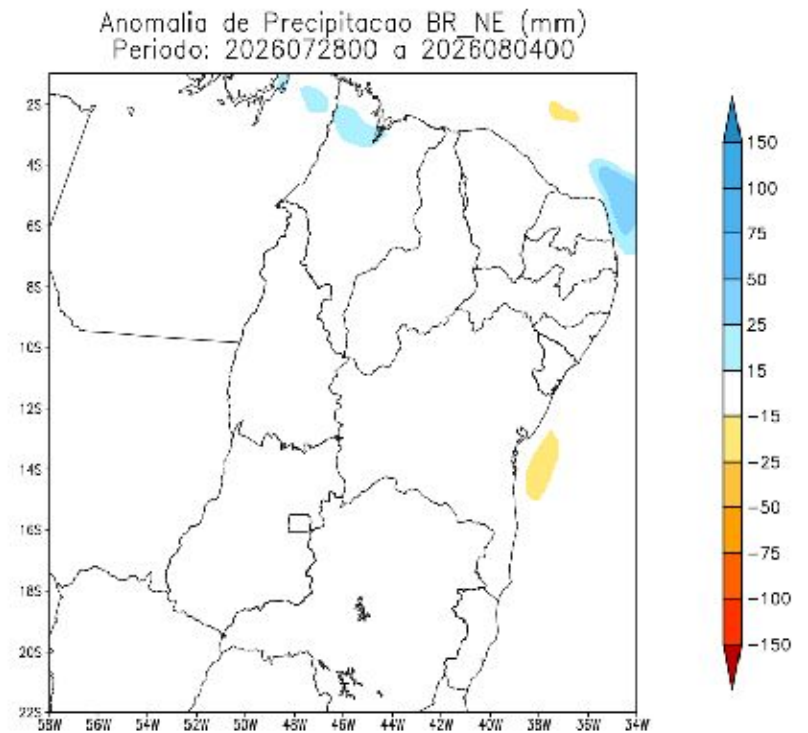


Previsão de chuva para a 1a semana

chuva

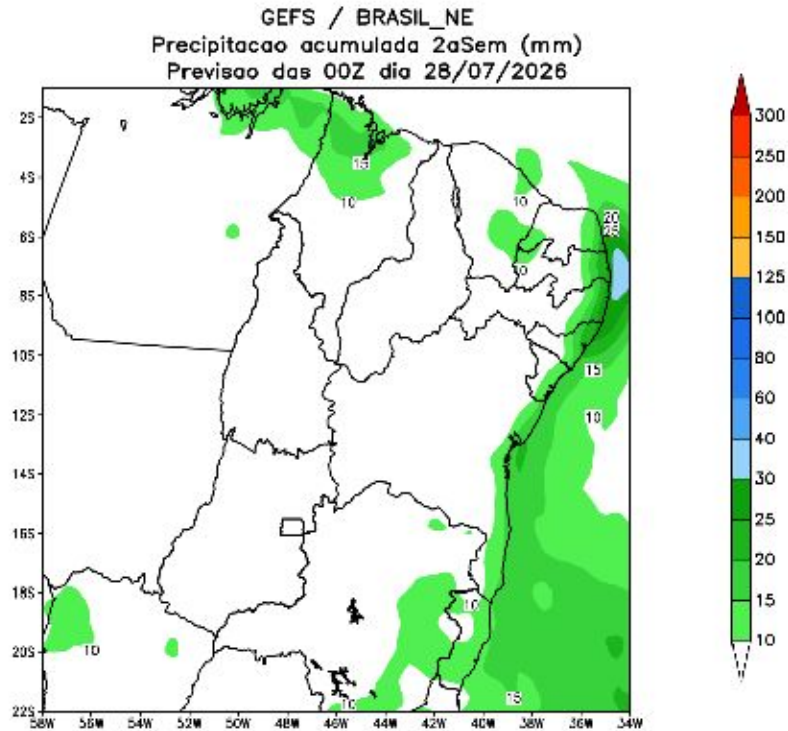


anomalia

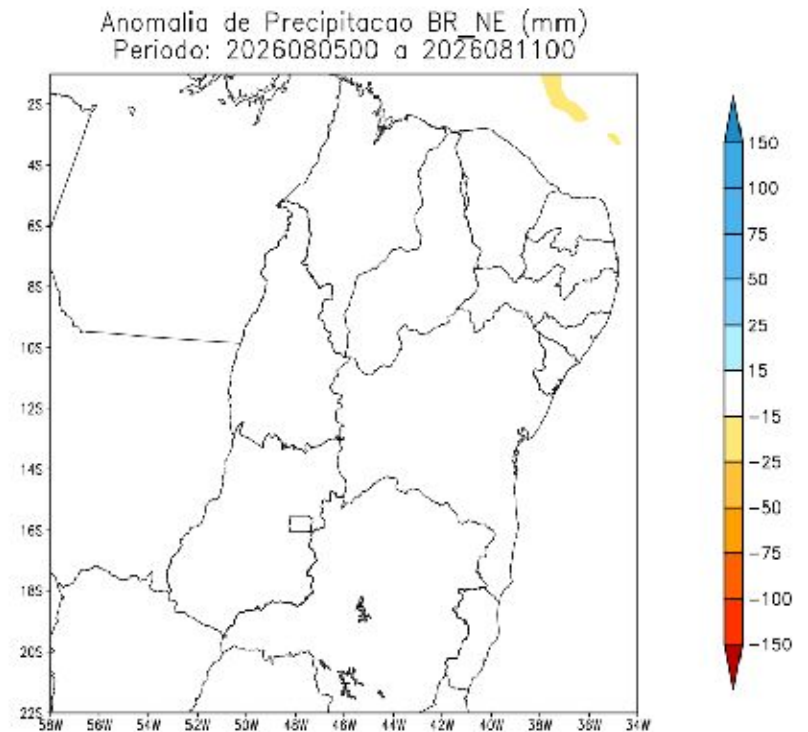


Previsão de chuva para a 2a semana

chuva

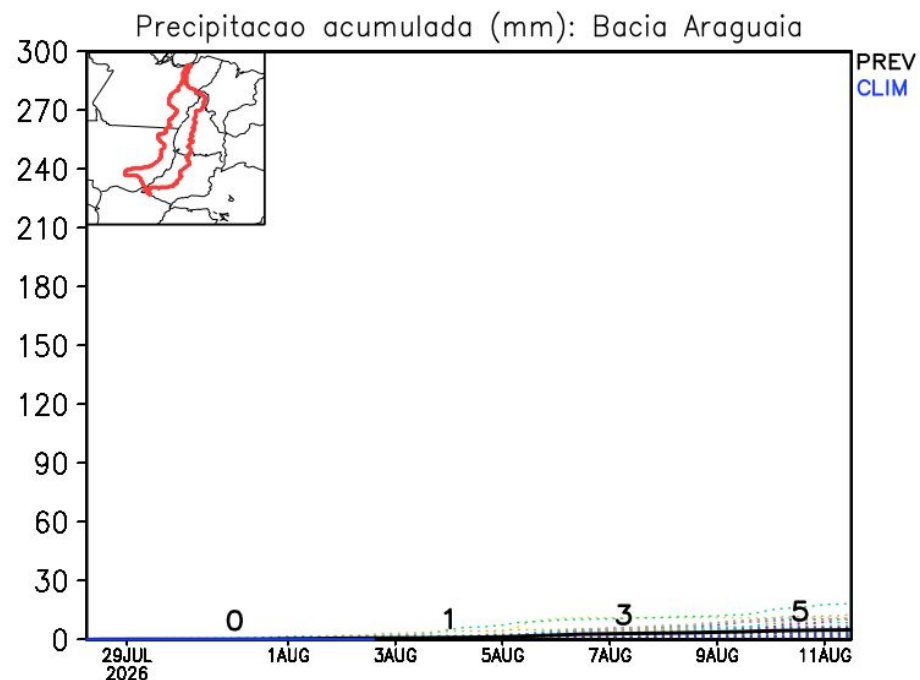
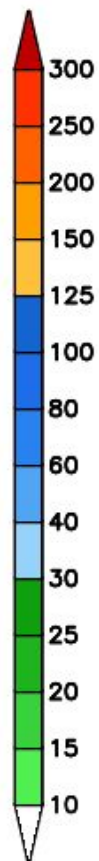
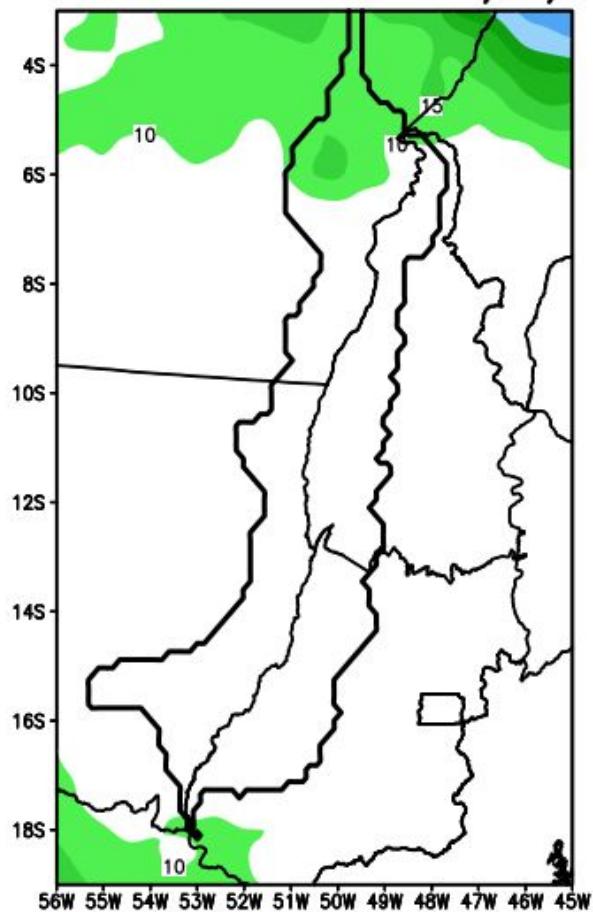


anomalia



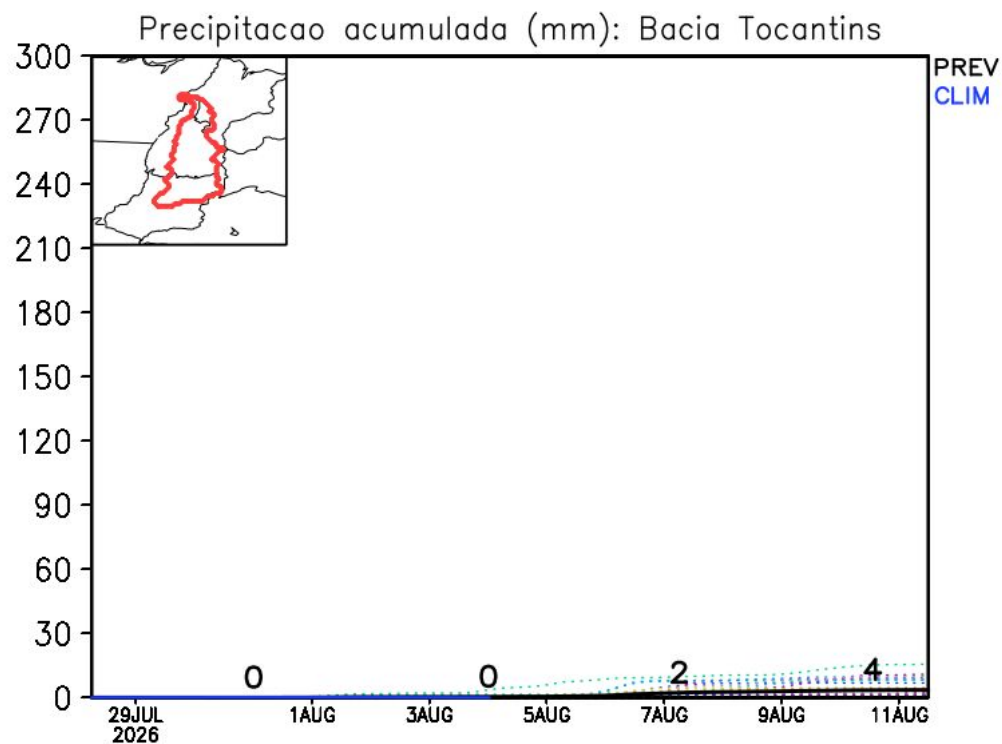
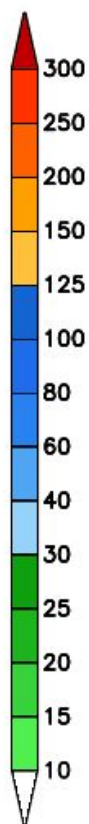
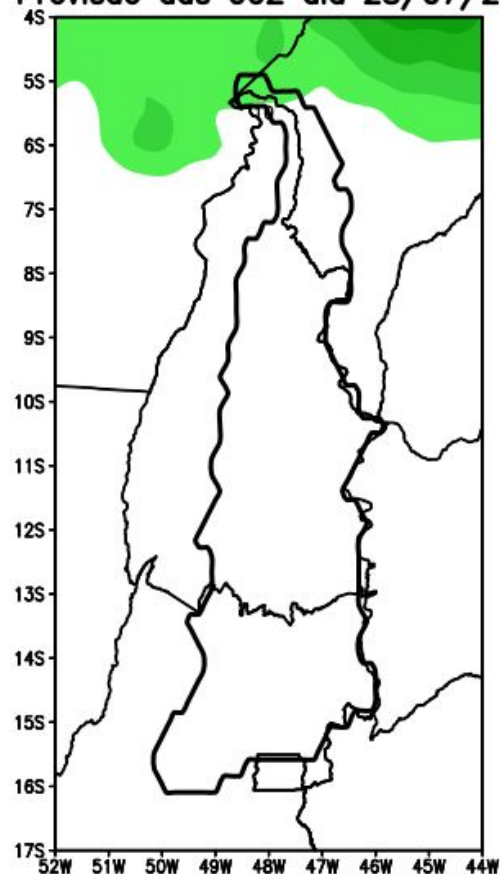
Previsão Bacia Araguaia

GEFS / Bacia do Rio Araguaia
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 28/07/2026



Previsão Bacia Rio Tocantins

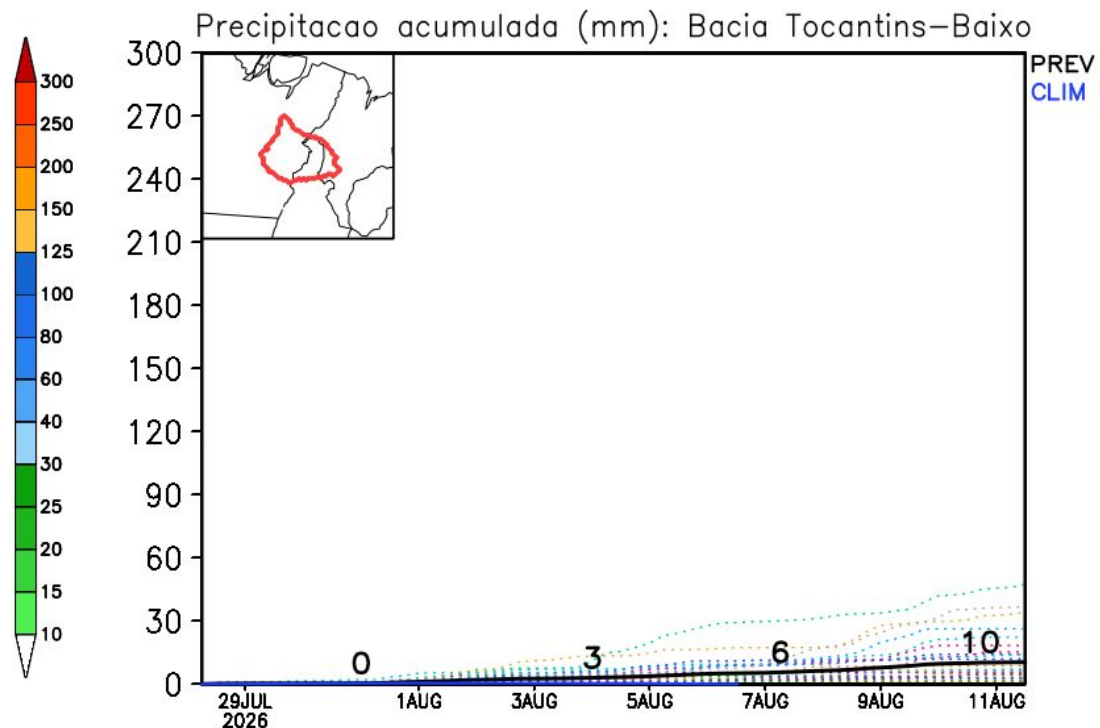
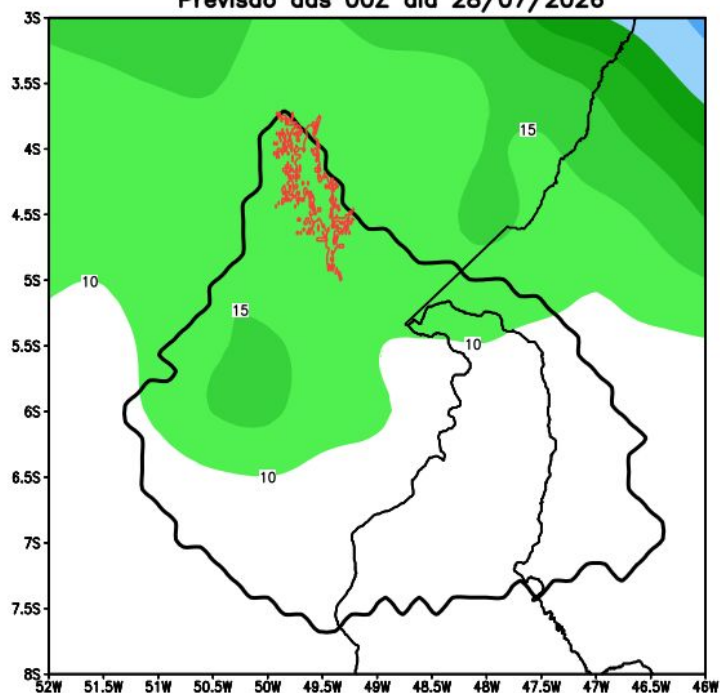
GEFS / Bacia Tocantins
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 28/07/2026



Fonte: GEFS/NOAA

Previsão Bacia Tocantins (Baixo)

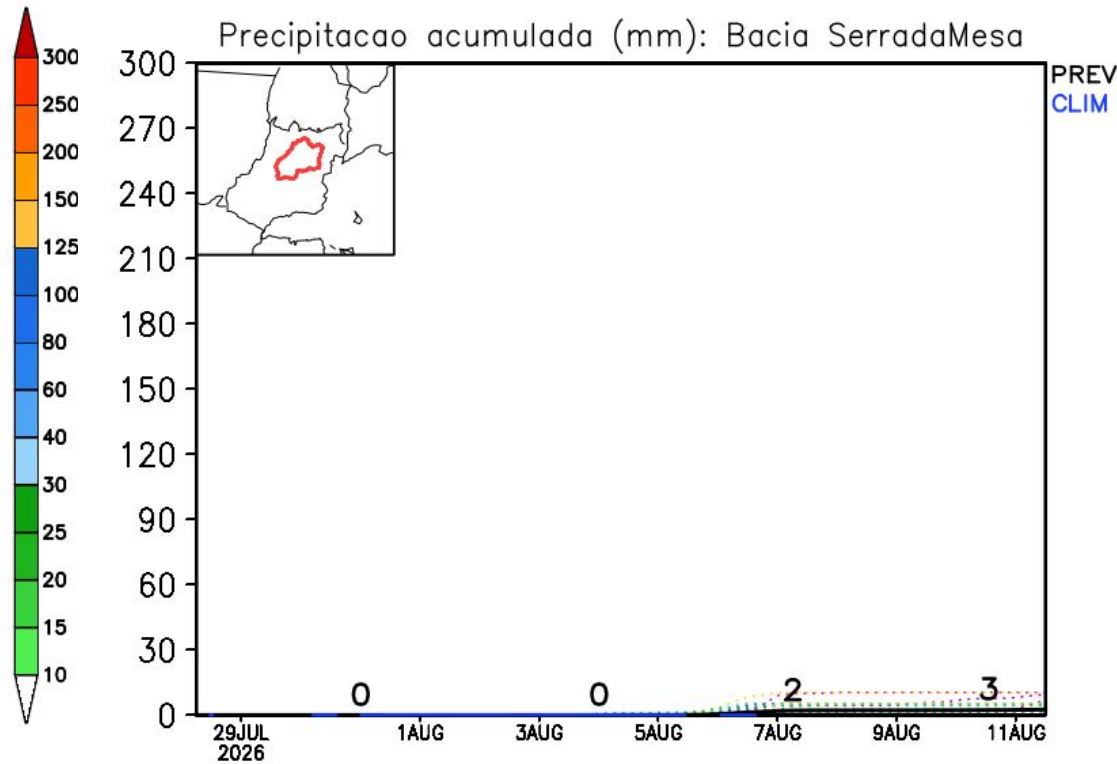
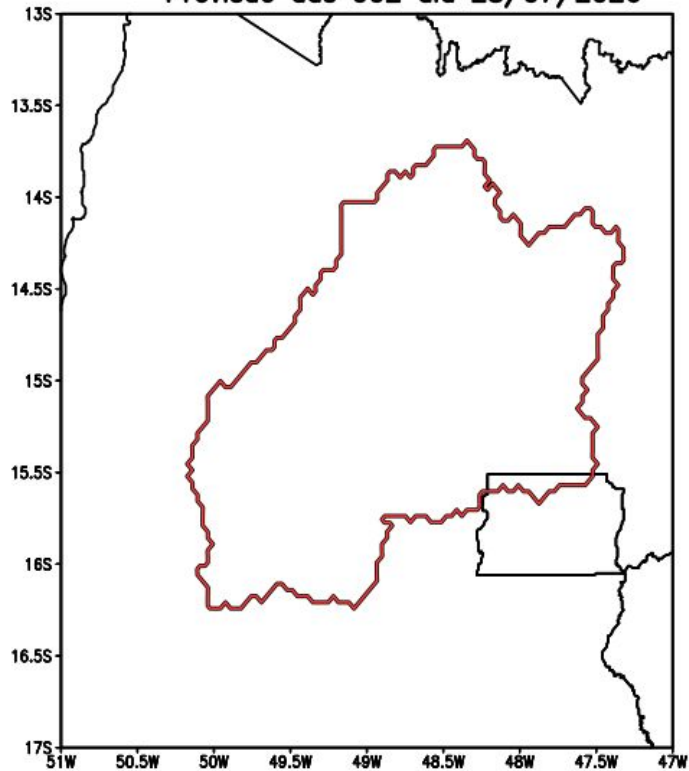
GEFS / Bacia Baixo Tocantins
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 28/07/2026



Fonte: GEFS/NOAA

Previsão Bacia Serra da Mesa

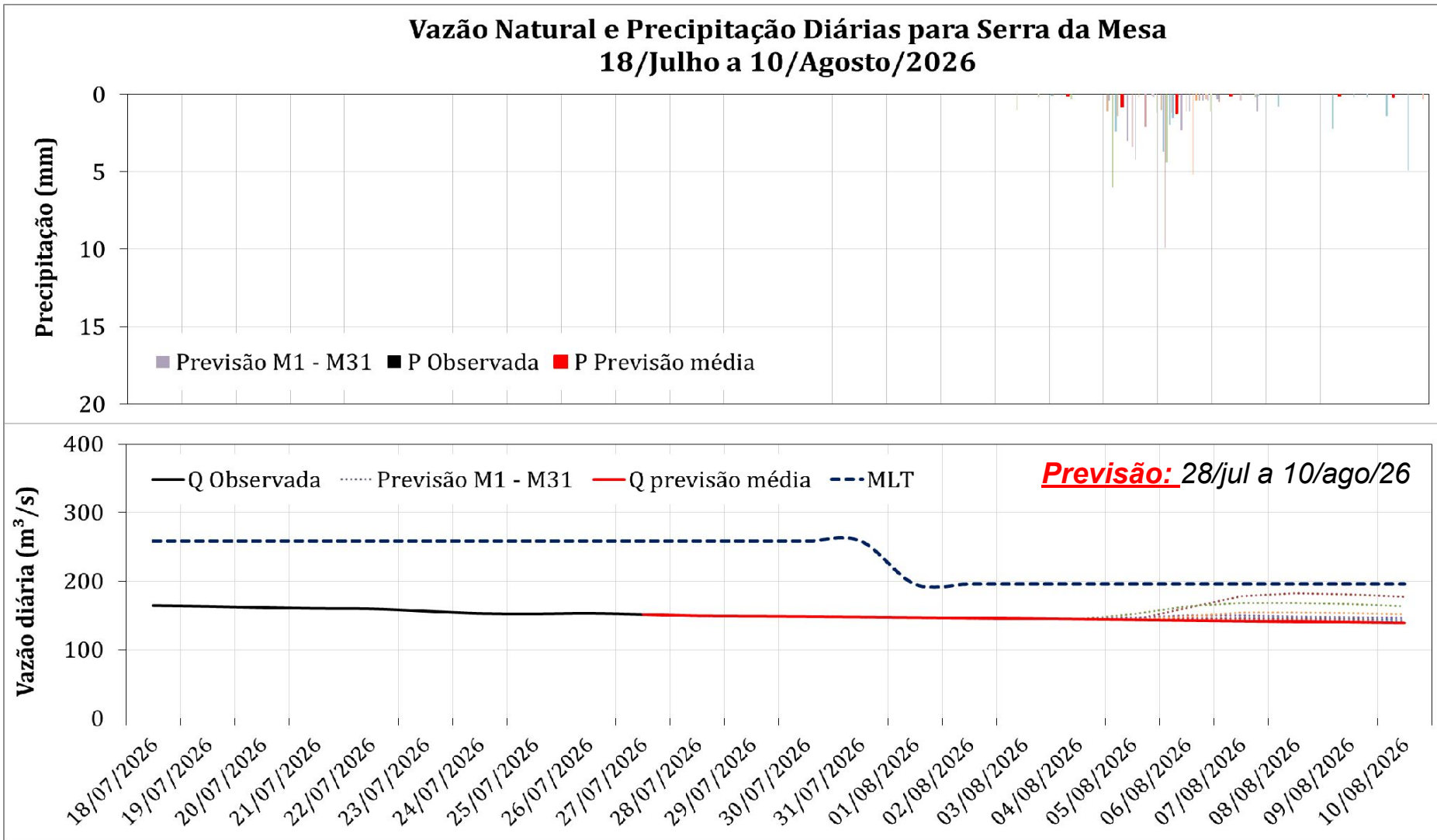
GEFS / Bacia Serra da Mesa
Precipitacao acumulada em 14 dias (mm)
Previsao das 00Z dia 28/07/2026



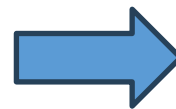
Fonte: GEFS/NOAA

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

Vazão Natural e Precipitação Diárias para Serra da Mesa
18/Julho a 10/Agosto/2026



**Previsão média para
os próximos 14 dias: 145 m³/s**



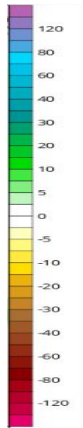
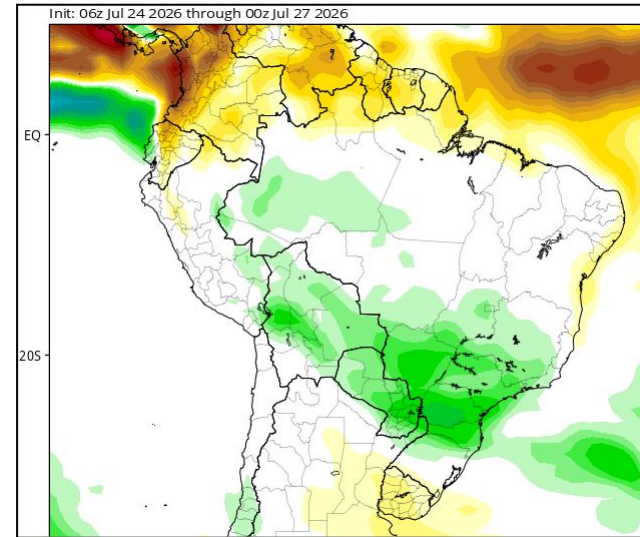
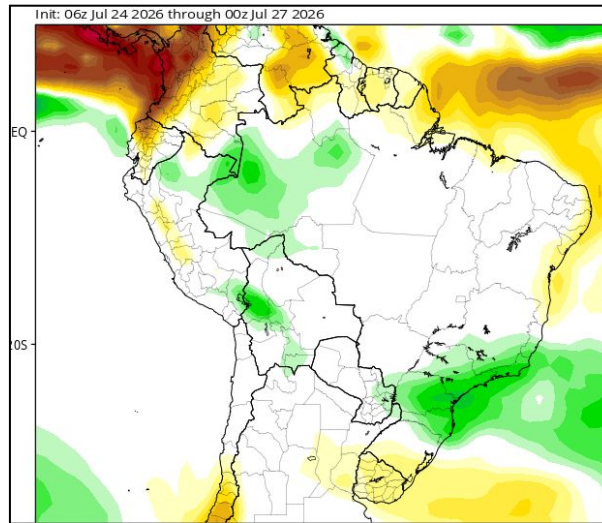
**56% da MLT Jul
74% da MLT Ago**

Tendência 3a e 4a semanas

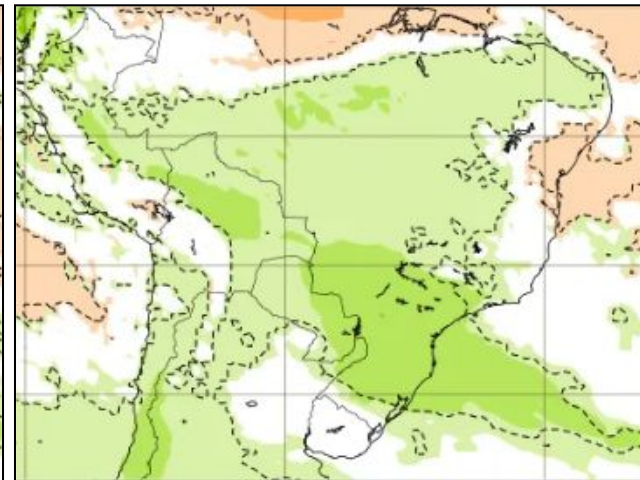
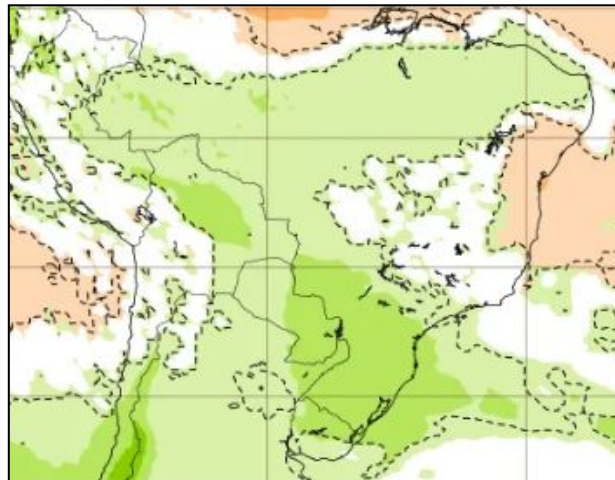
10-17 Ago

17-24 Ago

CFS/NOAA



ECMWF



10-17 Ago

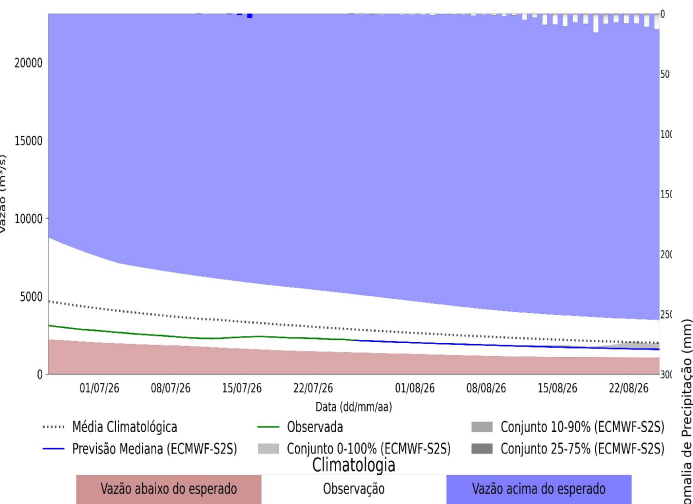
17-24 Ago



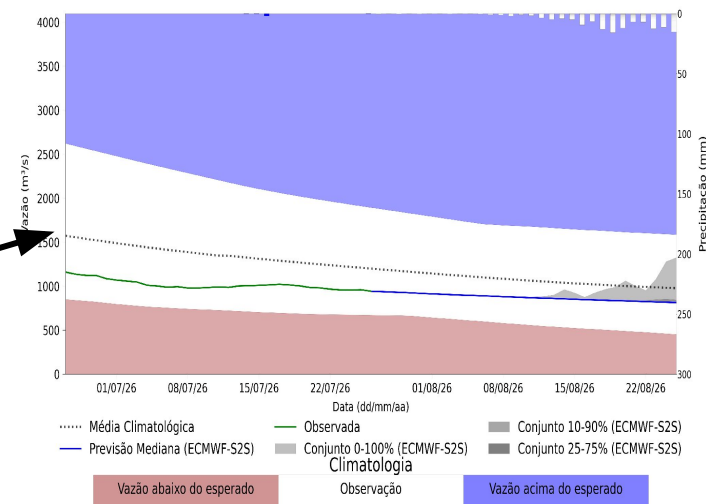
Previsão de vazão natural na Bacia Rio Tocantins-Araguaia

Previsão: 26/07/2026 a 25/08/2026

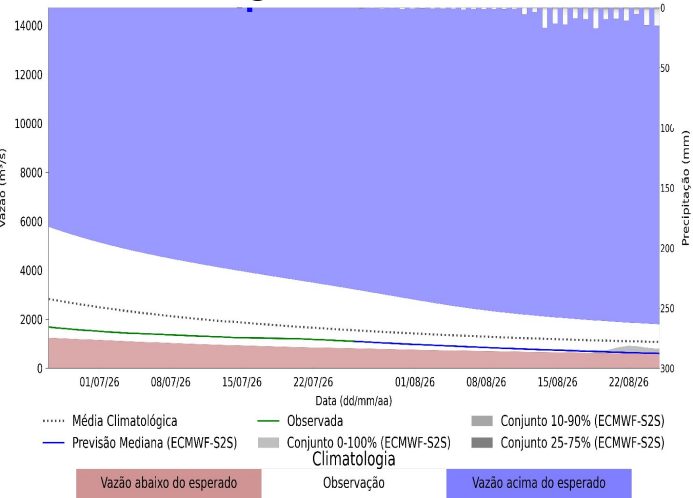
UHE Tucuruí



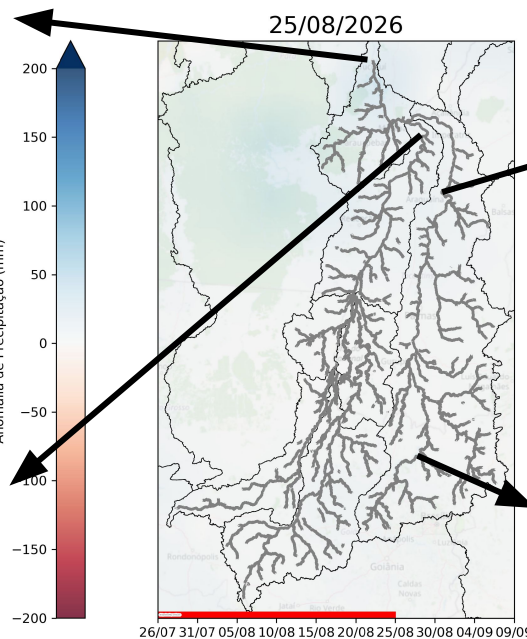
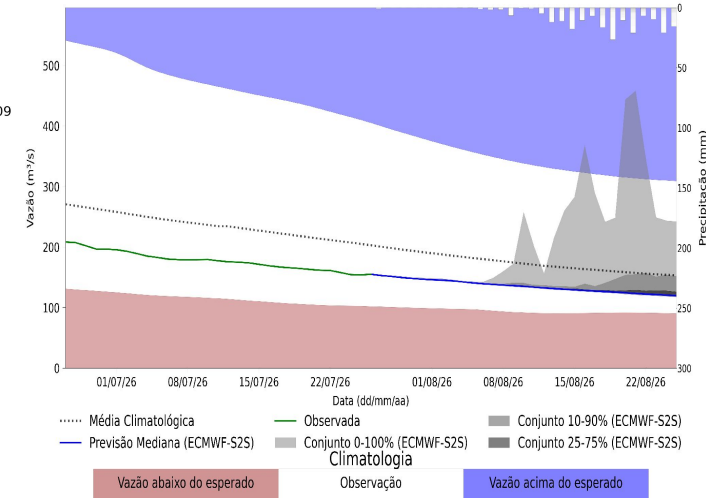
UHE Estreito



Araguatins - TO



UHE Serra da Mesa

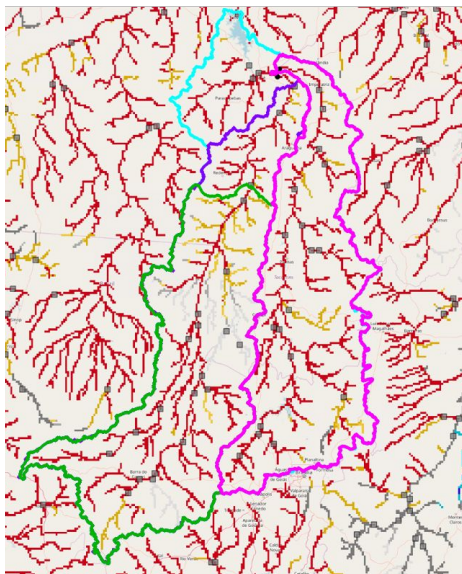


Fonte: Meteorologia (INMET/MERGE); Vazão (ANA/ONS)
MLT: 1993-2024
Previsão Meteorológica: ECMWF-S2S

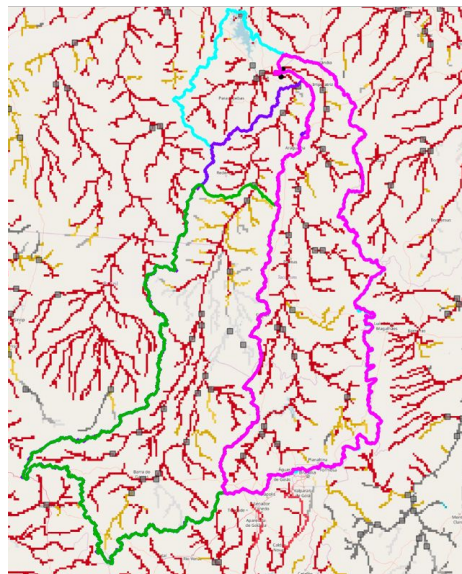
Previsão Sub-sazonal (45 dias) de vazões naturais para a Bacia do Rio Tocantins (GloFAS)

Previsão: 03/08/2026 – 07/09/2026

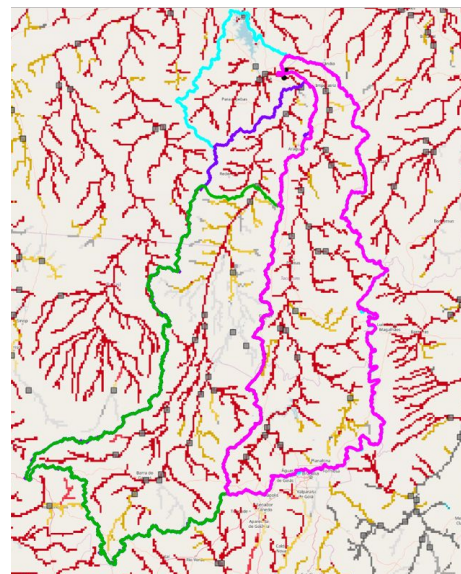
03/08/2026-10/08/2026



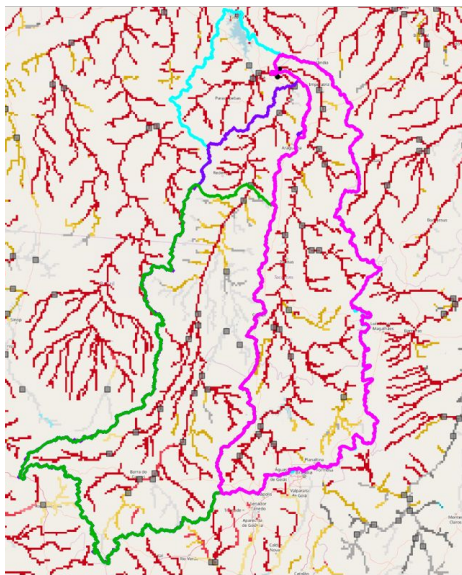
11/08/2026-17/08/2026



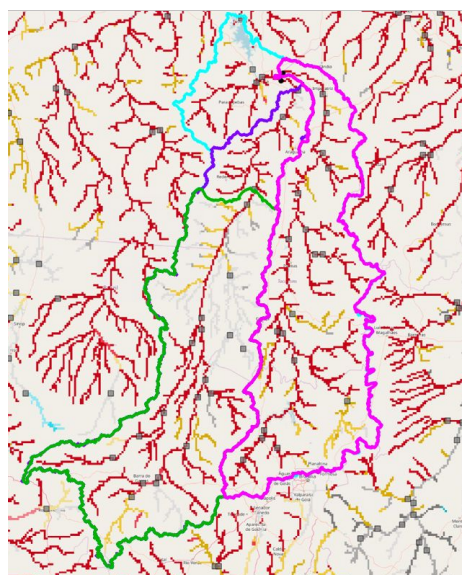
18/08/2026-24/08/2026



25/08/2026-31/08/2026



01/09/2026-07/09/2026



- Bacia Tocantins
- Bacia Conceição do Araguaia
- Bacia Araguaatins
- Bacia UHE Tucuruí

Categoria de anomalia de vazões (percentil)

Muito abaixo (1-10)

Abaixo (10-25)

Média (25-75)

Acima (75-90)

Muito acima (90-100)

Categoria de incerteza

Baixa (0-10) Média (10-20) Alta (<20)

Fonte: Previsão Meteorológica: ECMWF

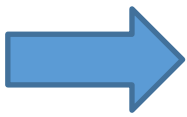
Previsão de vazão: Lisflood/GloFAS Forecast

<https://www.globalfloods.eu/glofas-forecasting/>



Cemaden

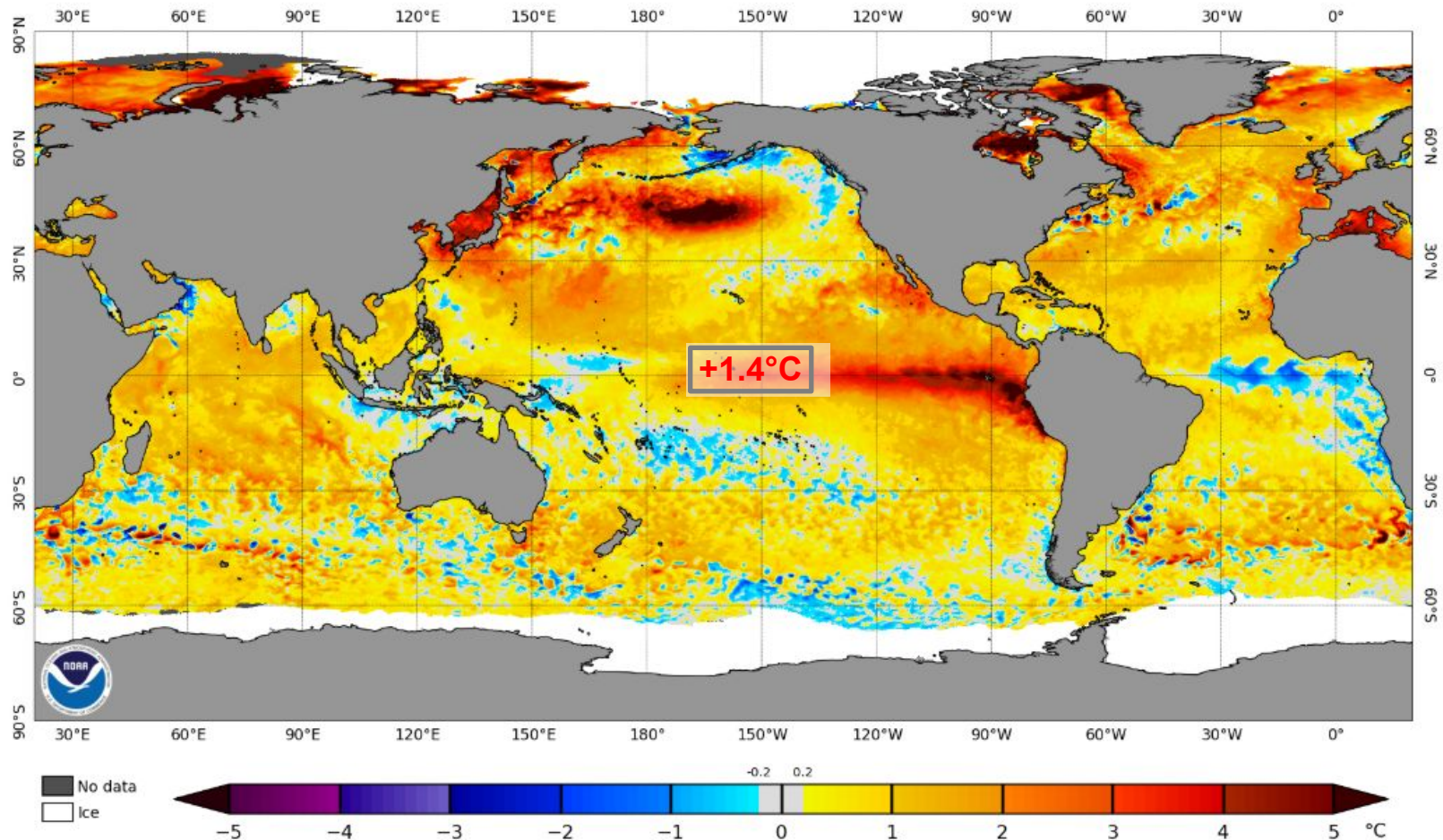




ENSO Alert System Status: **El Niño Advisory**

El Niño conditions are present.*

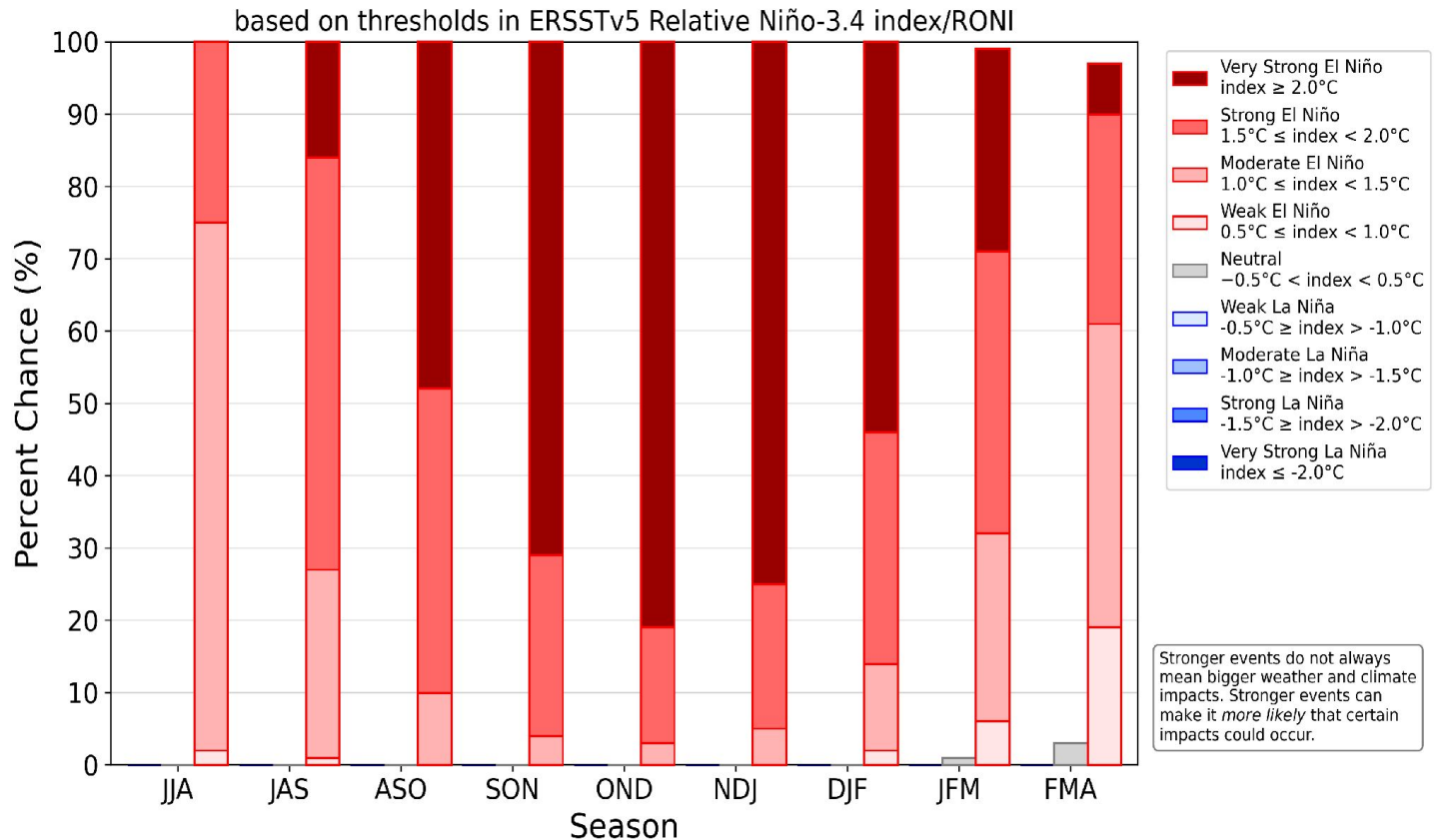
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 26 Jul 2026



FONTE: NOAA

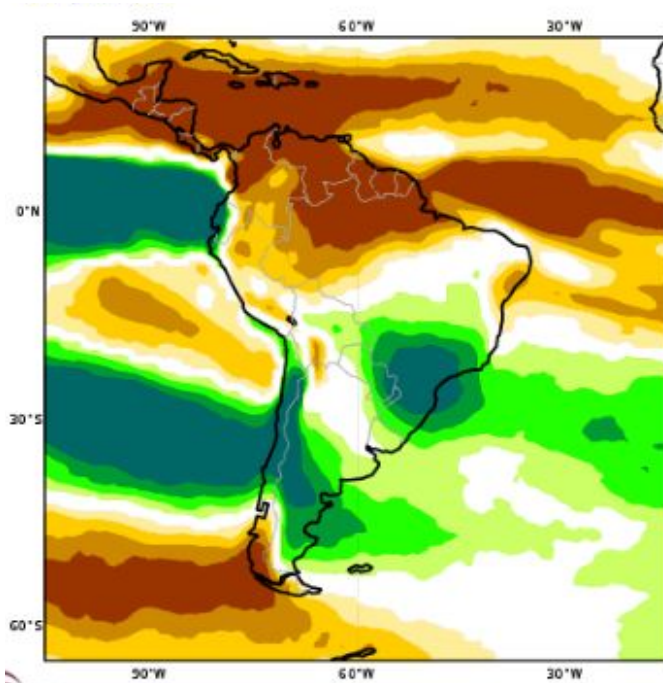
Previsão do “ENSO”

NOAA CPC ENSO Strength Probabilities (issued July 2026)

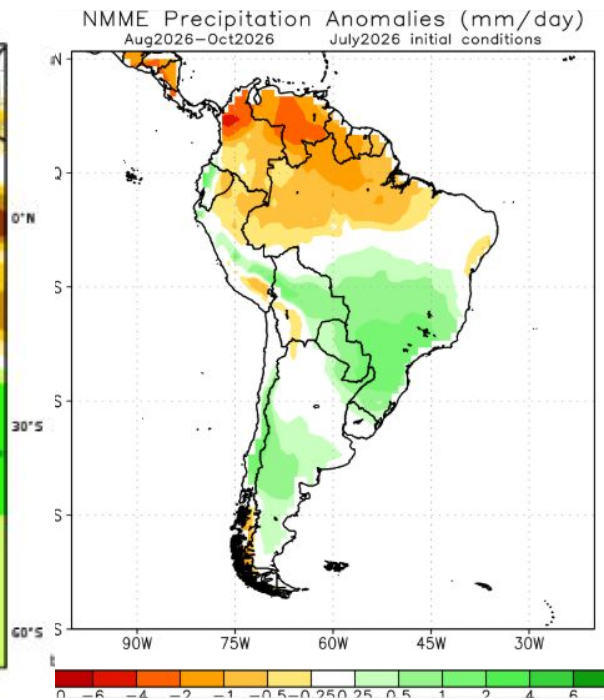


Previsão Sazonal de Chuva Multi-Modelo

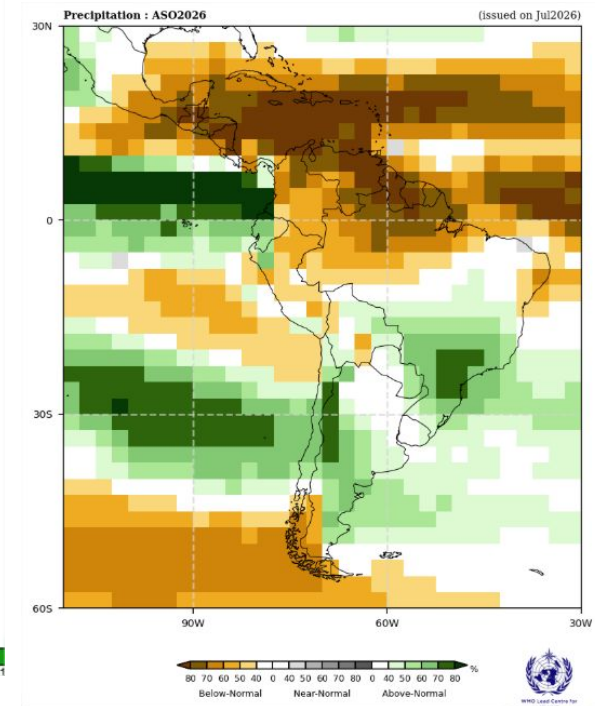
Agosto-Setembro-Outubro



Modelos “Europeus”



Modelos Norte Americanos

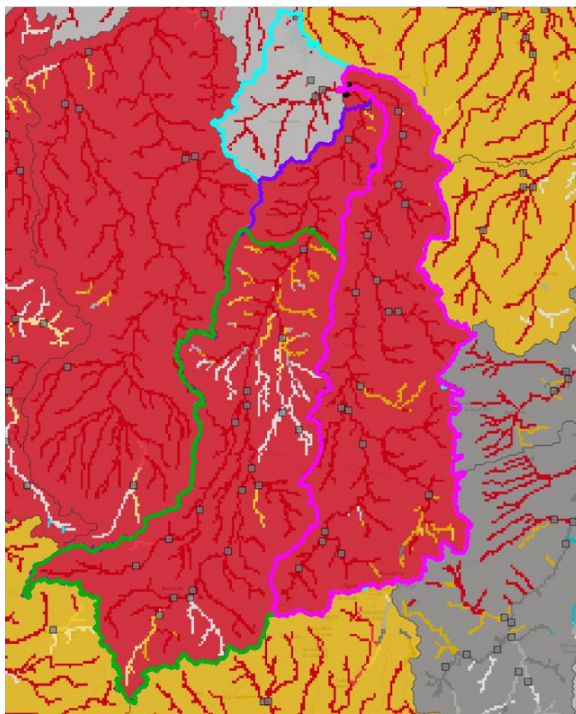


Modelos da WMO

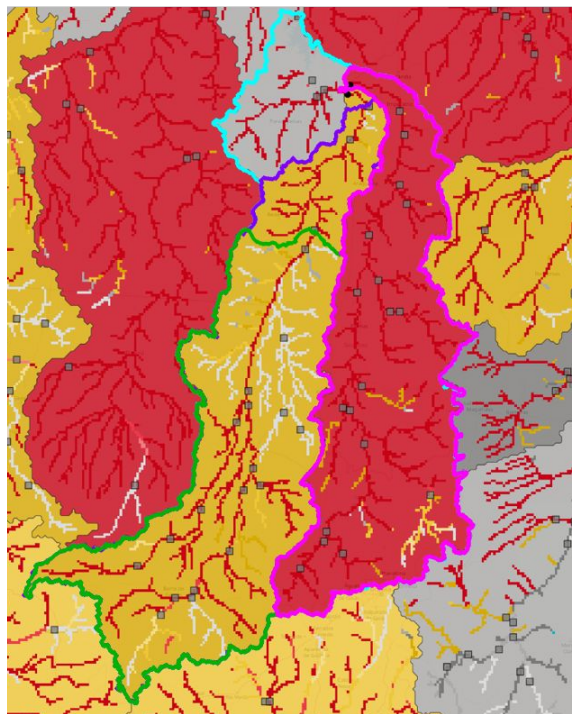
Previsão Sazonal (ASO) de vazões naturais para a Bacia do Rio Tocantins (GloFAS)

Previsão: Agosto, Setembro e Outubro de 2026

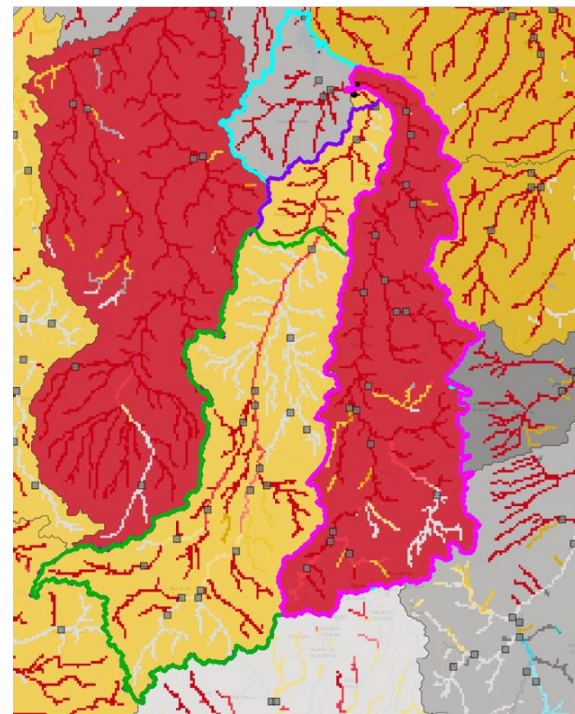
Agosto



Setembro



Outubro



Categoria de anomalia
de vazões (percentil)

Muito abaixo (1-10)

Abaixo (10-25)

Média (25-75)

Acima (75-90)

Muito acima (90-100)

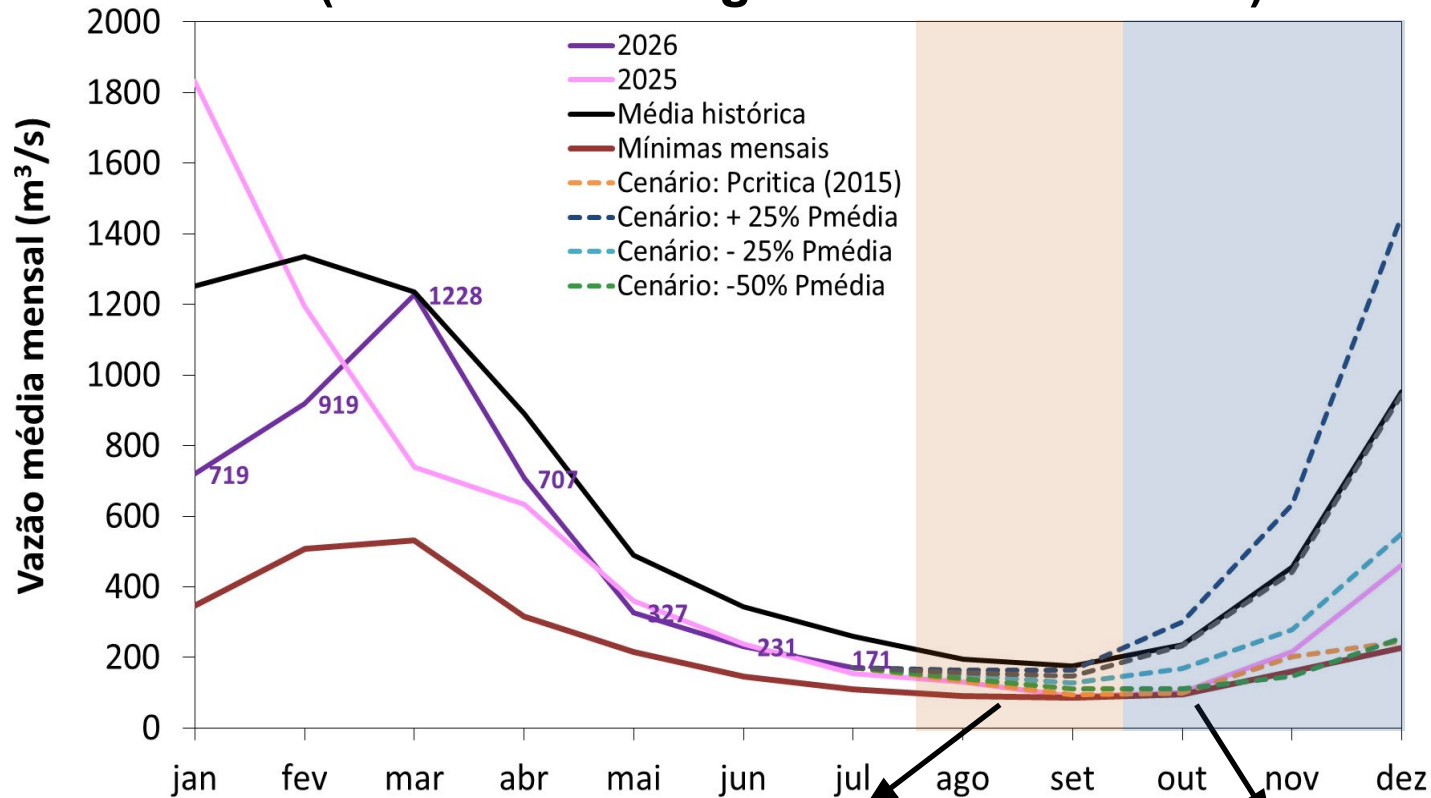
Categoria de incerteza

Baixa (0-10) Média (10-20) Alta (<20)

- Bacia Tocantins
- Bacia Conceição do Araguaia
- Bacia Araguaatins
- Bacia UHE Tucuruí



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



Ago-Set (Meses Secos)

MLT: 186 m³/s

Vazão	% MLT
164 m³/s	88%
151 m³/s	81%
138 m³/s	74%
114 m³/s	61%

Out-Dez (Meses Secos)

MLT: 549 m³/s

Vazão	% MLT
795 m³/s	145%
539 m³/s	98%
332 m³/s	61%
182 m³/s	33%

Anos Análogos de El Nino

Trimestre ASO

- 1982
- 1991
- 1997
- 2009
- 2015
- 2023

