

Monitoramento e Previsões para a Bacia do rio Tocantins

JULHO 2024

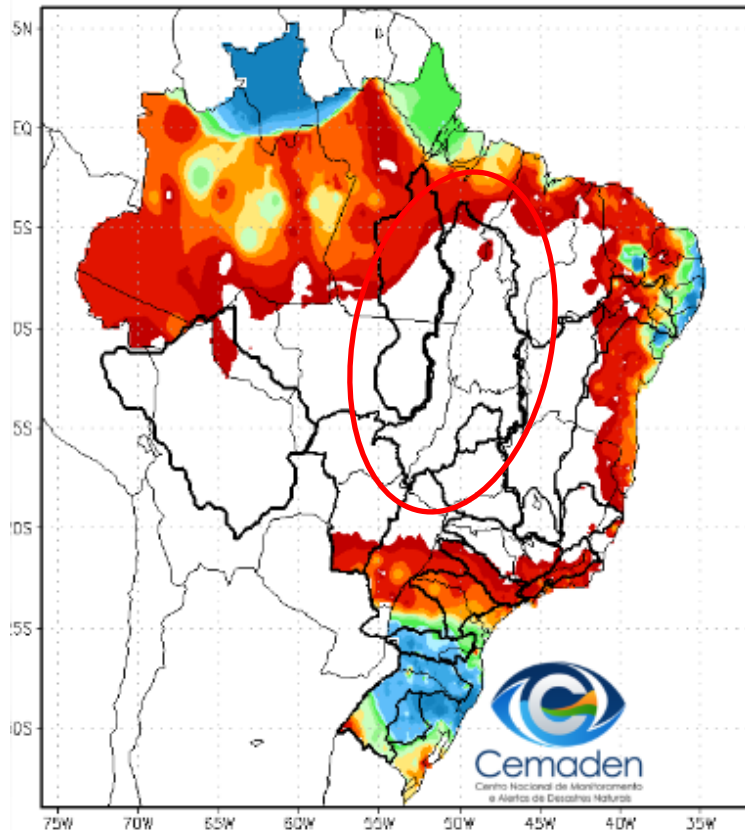


MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INOVAÇÃO

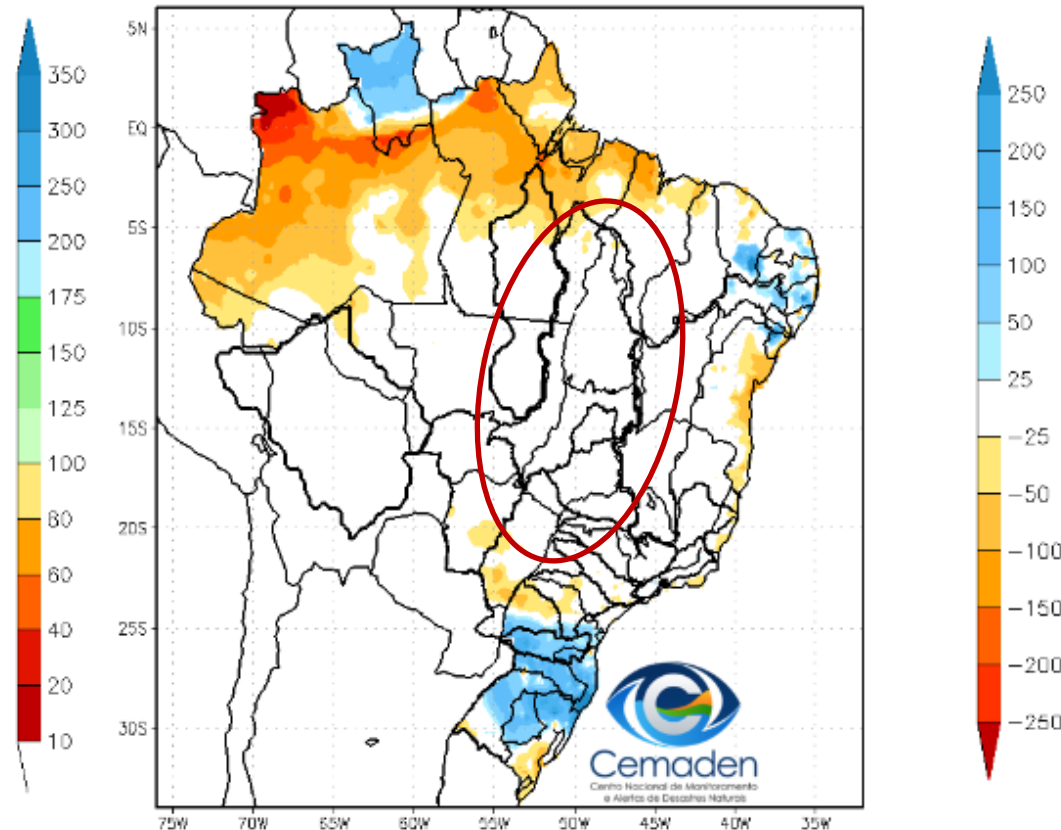


Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.
Período: 15/06/2024 a 15/07/2024

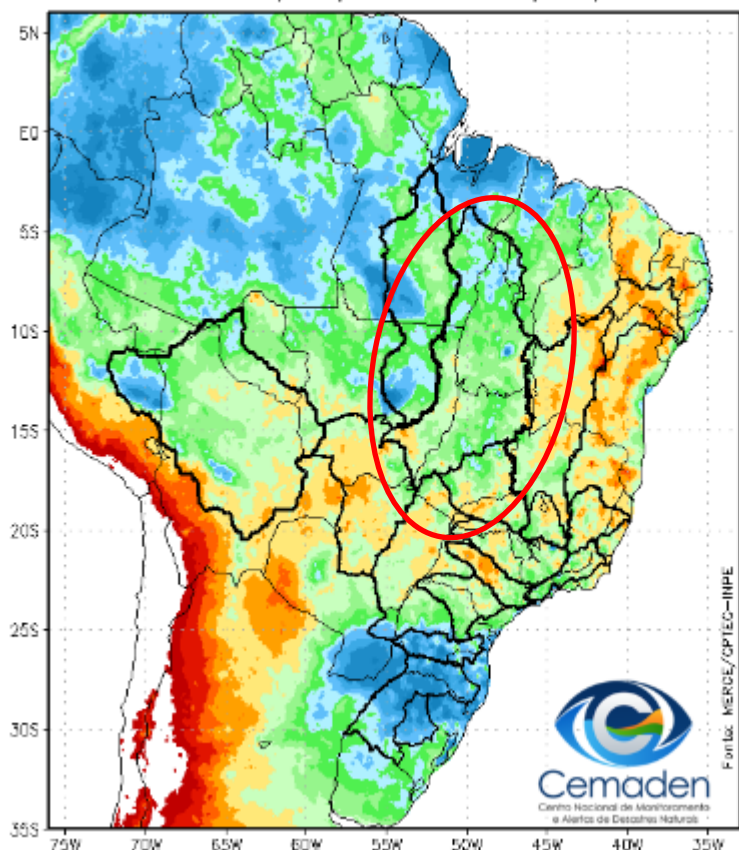


Anomalia de Precipitação (mm) A.S.
Período: 15/06/2024 a 15/07/2024

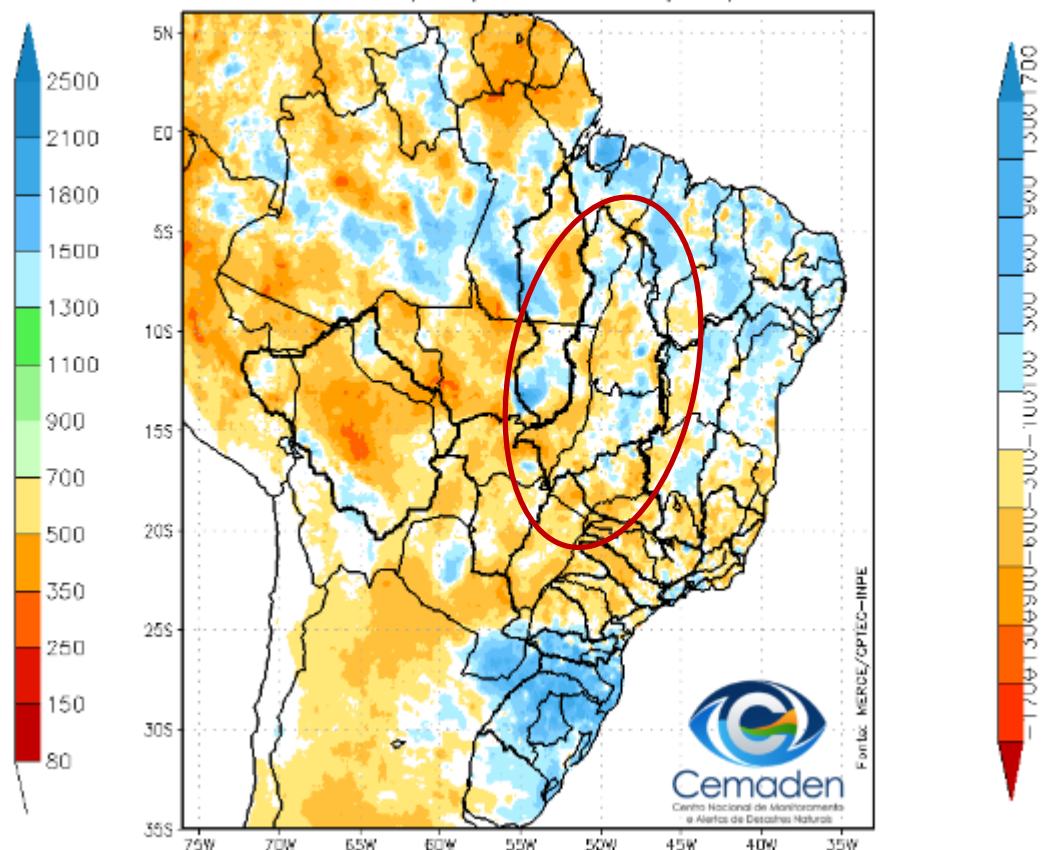


Precipitação acumulada no Ano Hidrológico

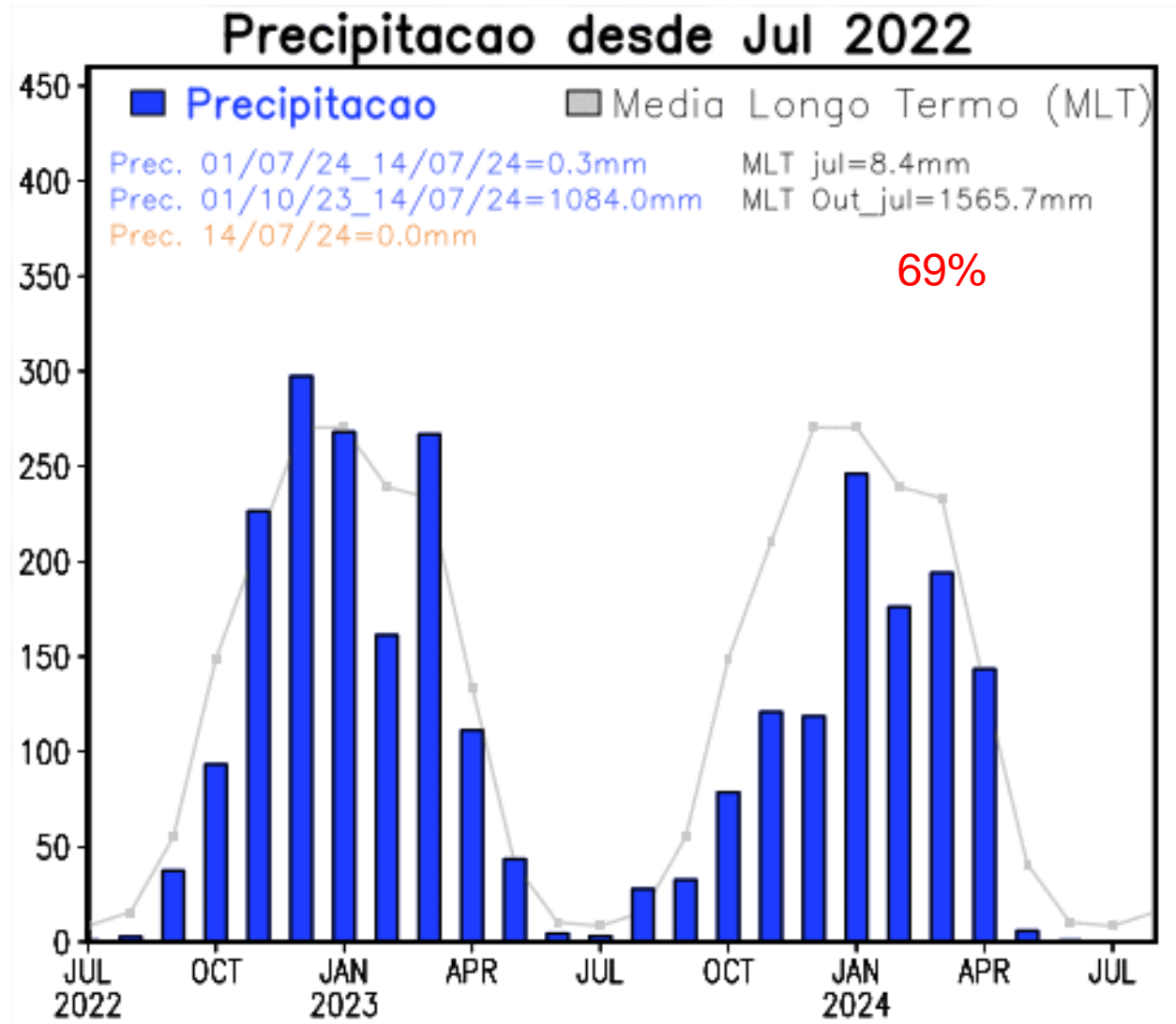
Precipitação Acumulada (mm) Ano Hidrológico
Período: 01/10/2023 a 15/07/2024



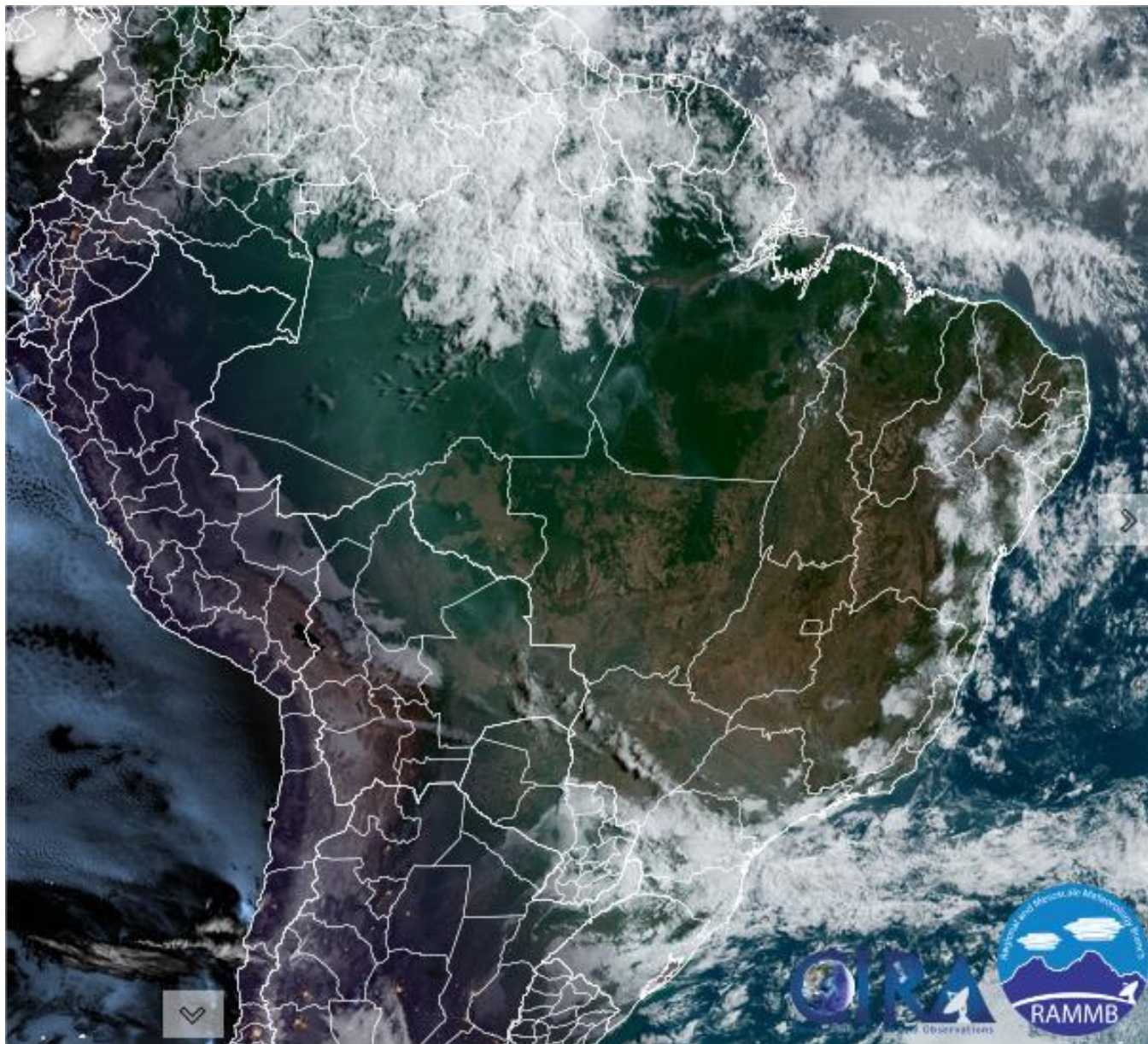
Anomalia de Precipitação (mm) Ano Hidrológico
Período: 01/10/2023 a 15/07/2024



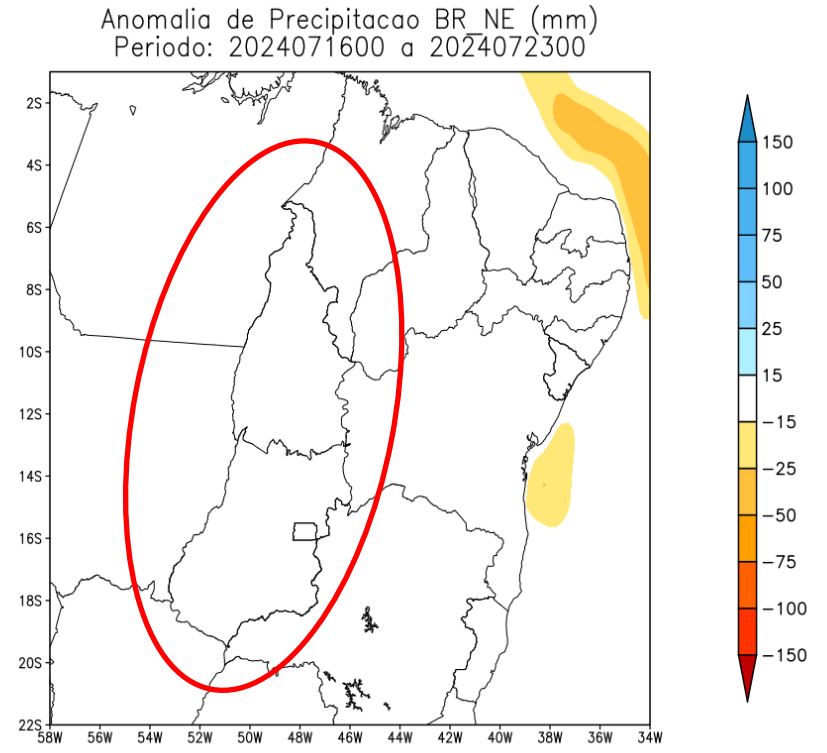
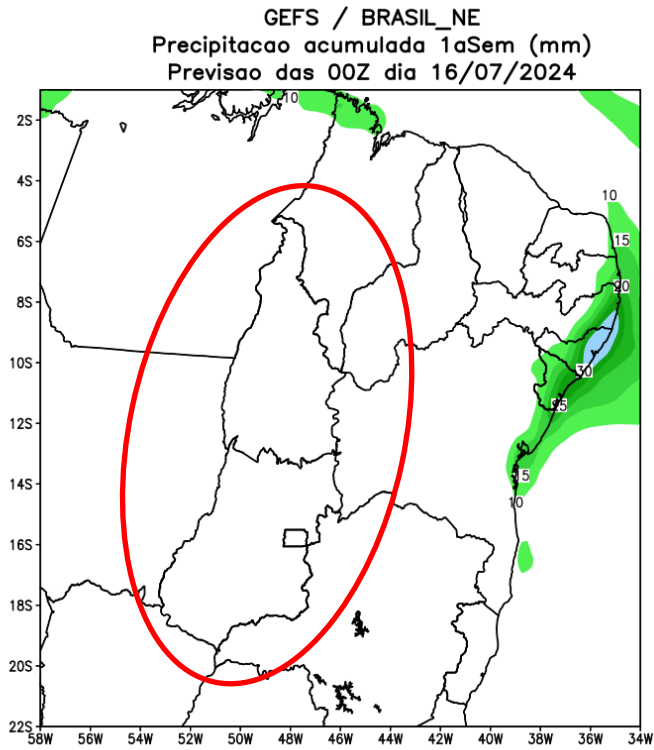
Evolução da Precipitação



Situação meteorológica atual



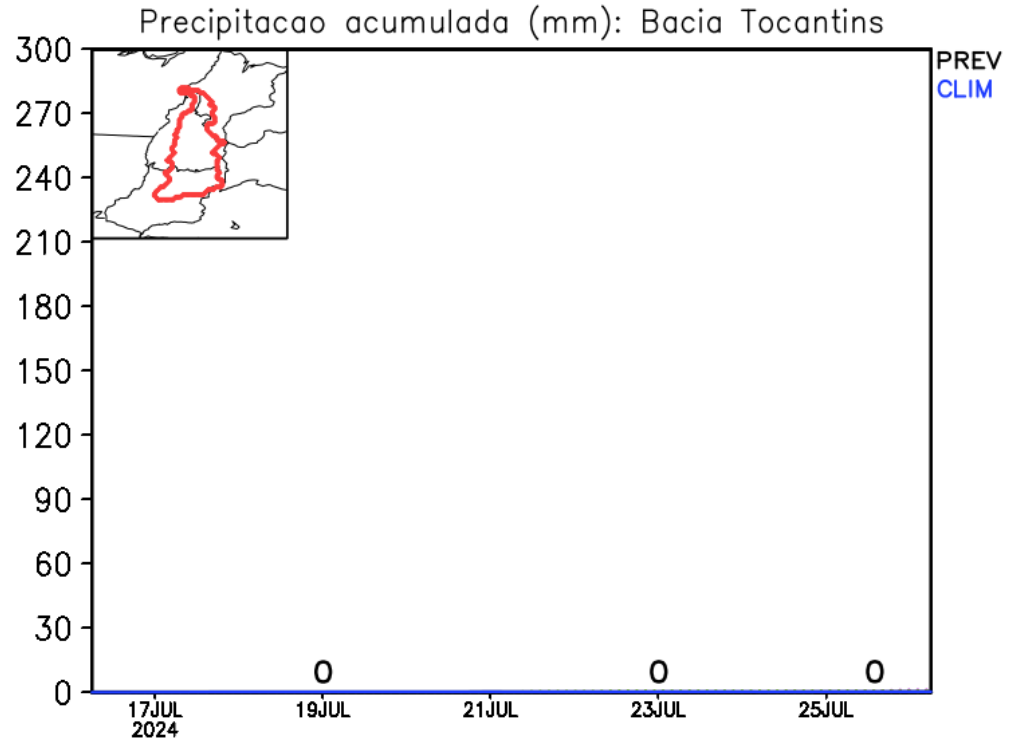
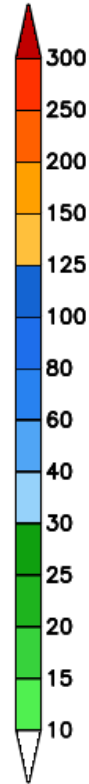
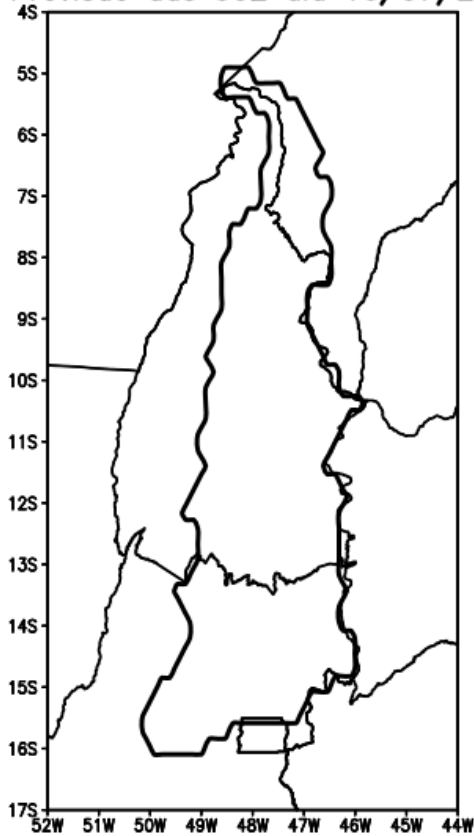
Previsão de chuva próximos 7 dias



Fonte: GEFS/NOAA

Previsão Bacia Rio Tocantins

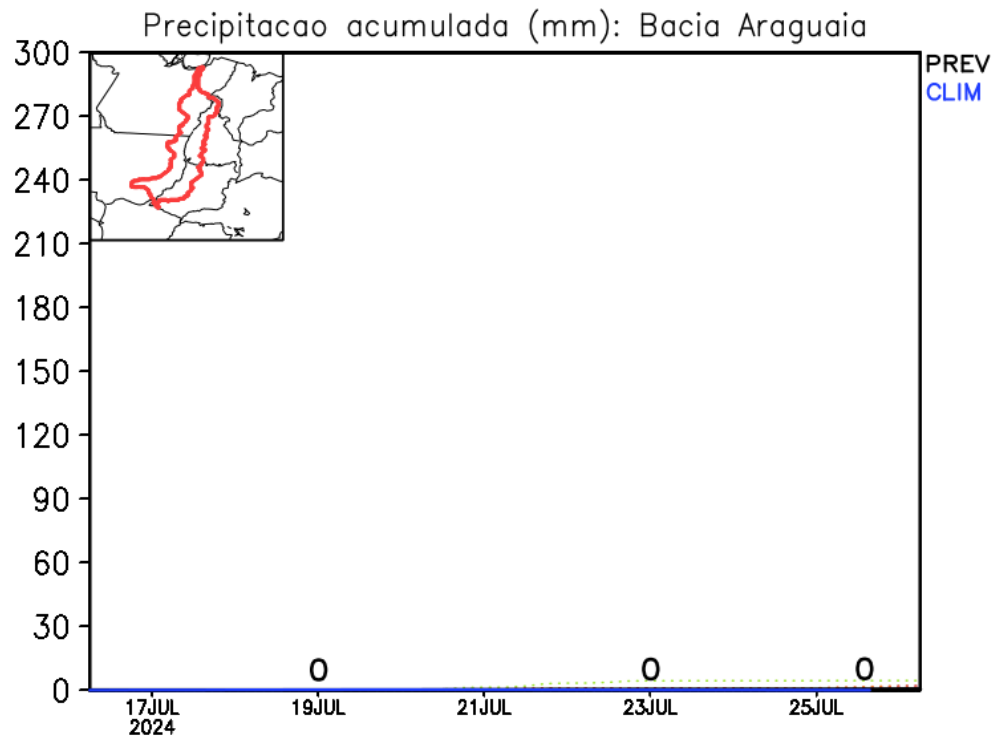
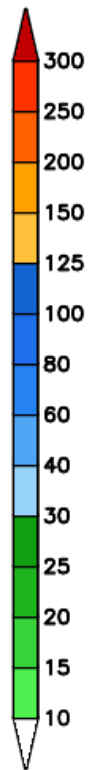
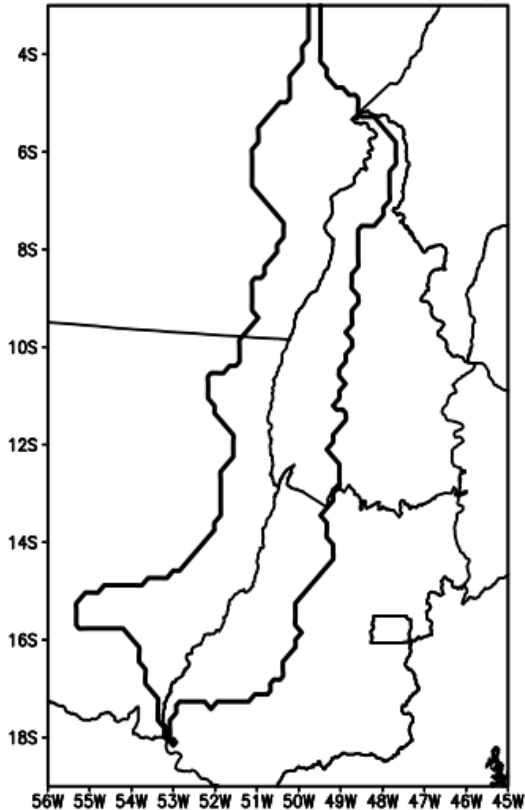
GEFS / Bacia Tocantins
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 16/07/2024



Fonte: GEFS/NOAA

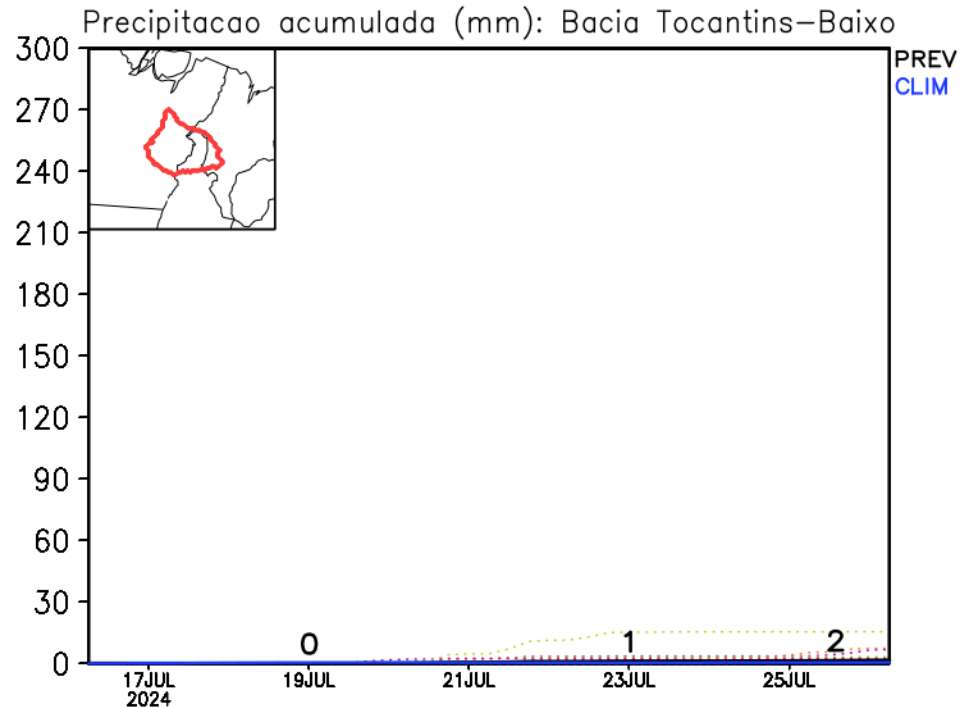
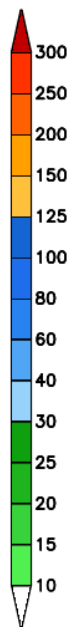
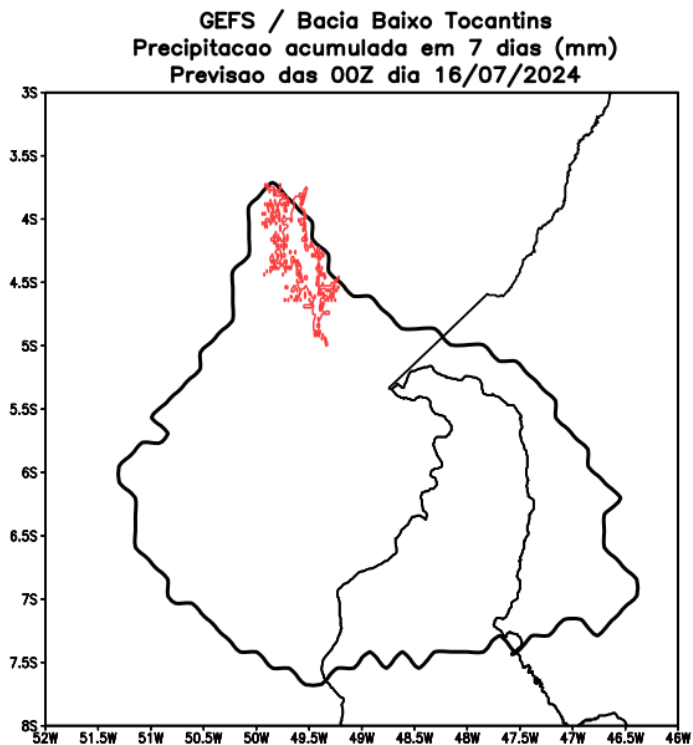
Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 16/07/2024



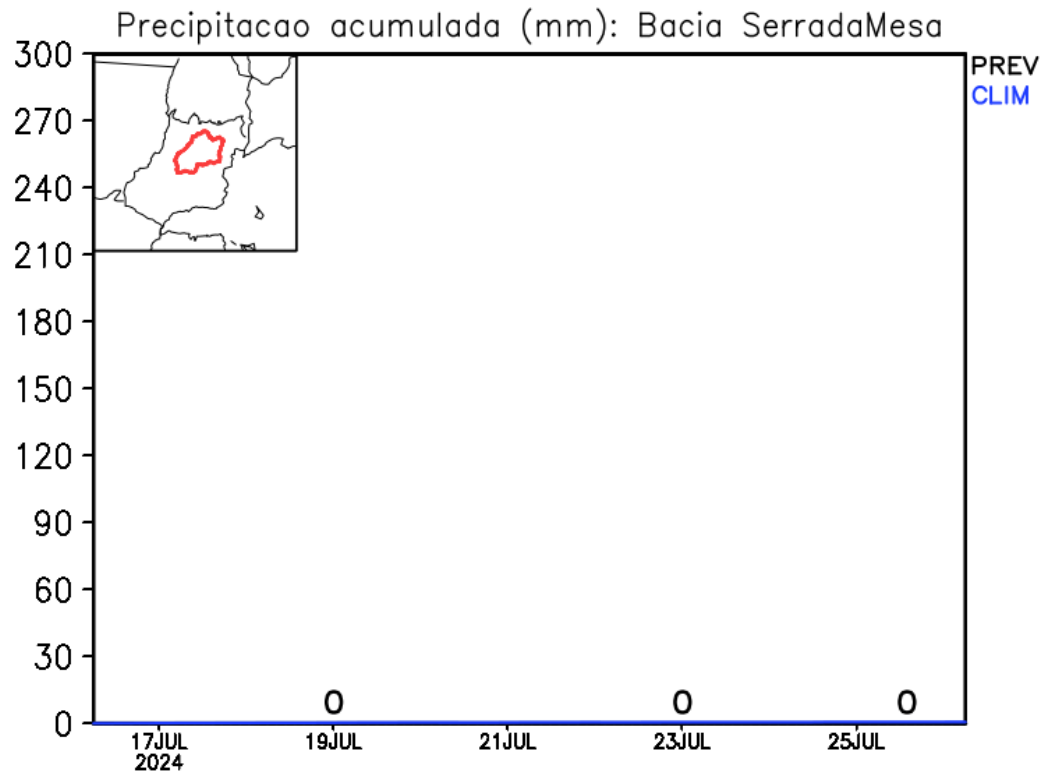
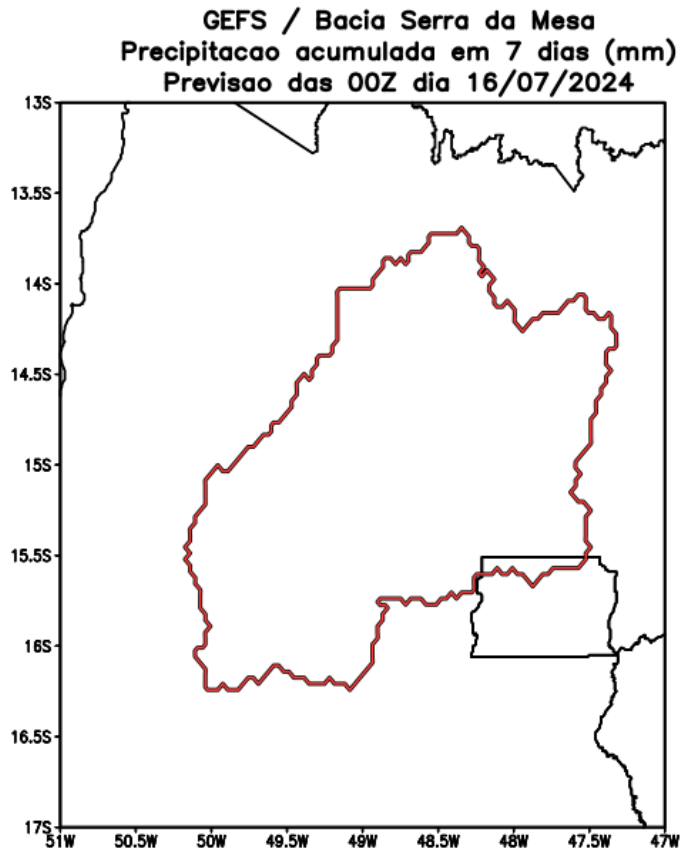
Fonte: GEFS/NOAA

Previsão Bacia Tocantins (Baixo)



Fonte: GEFS/NOAA

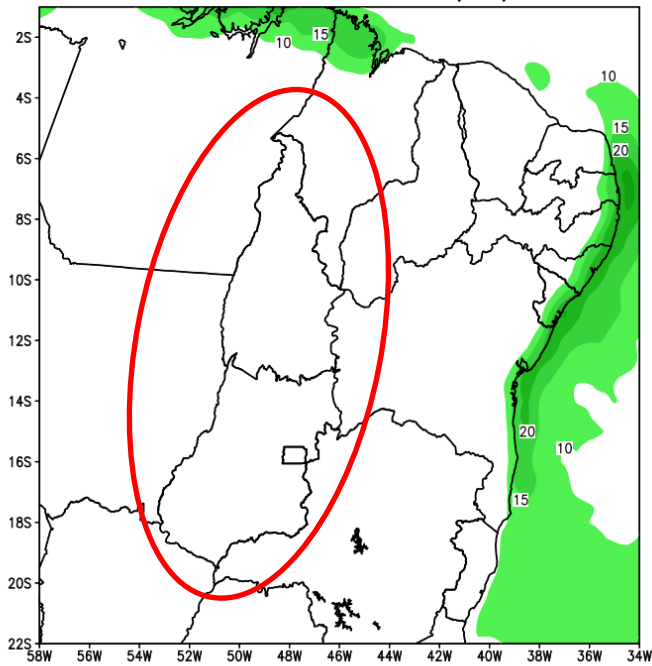
Previsão Bacia Serra da Mesa



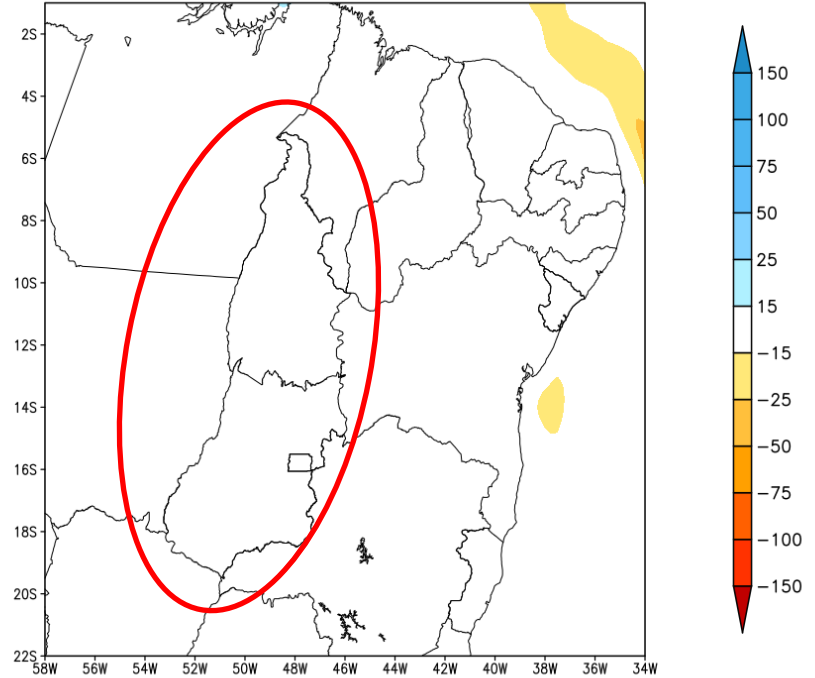
Fonte: GEFS/NOAA

Tendência para a 2a Semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 16/07/2024

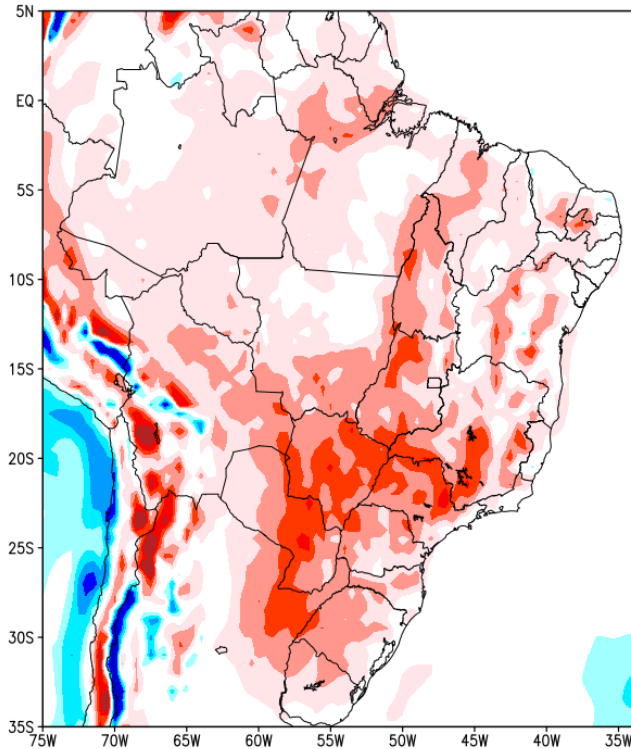


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2024072400 a 2024073000

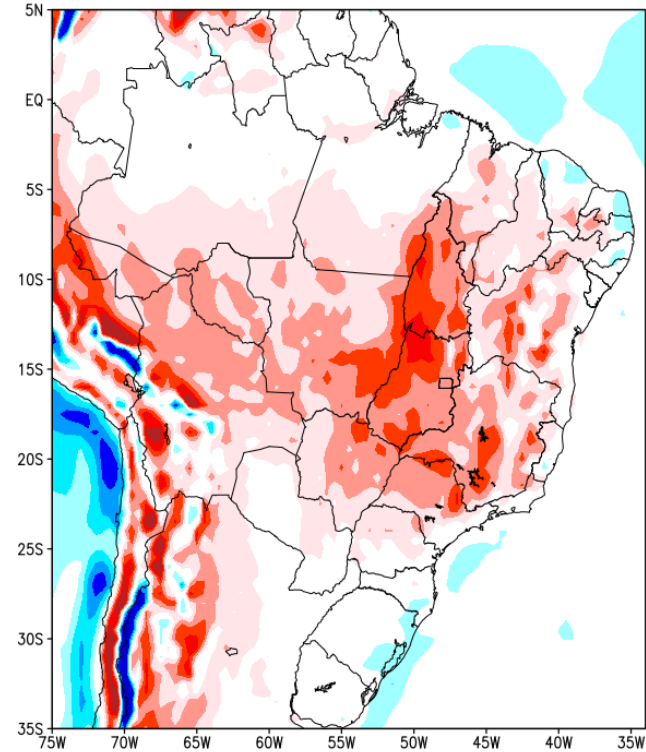


Previsão de temperatura próximas duas semanas

Anomalia de Temperatura BR (C)
Período: 2024071600 a 2024072300



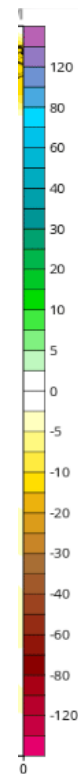
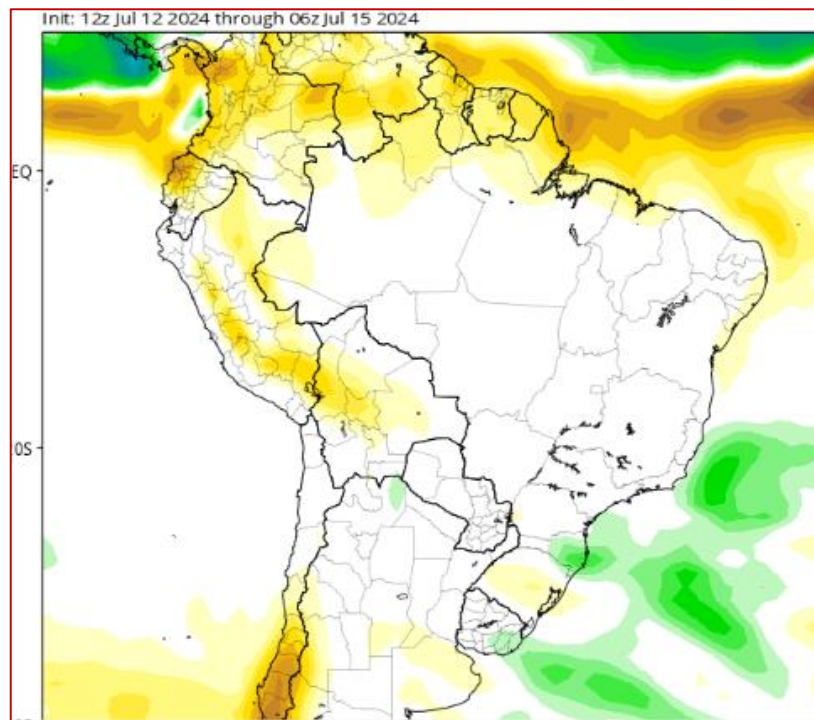
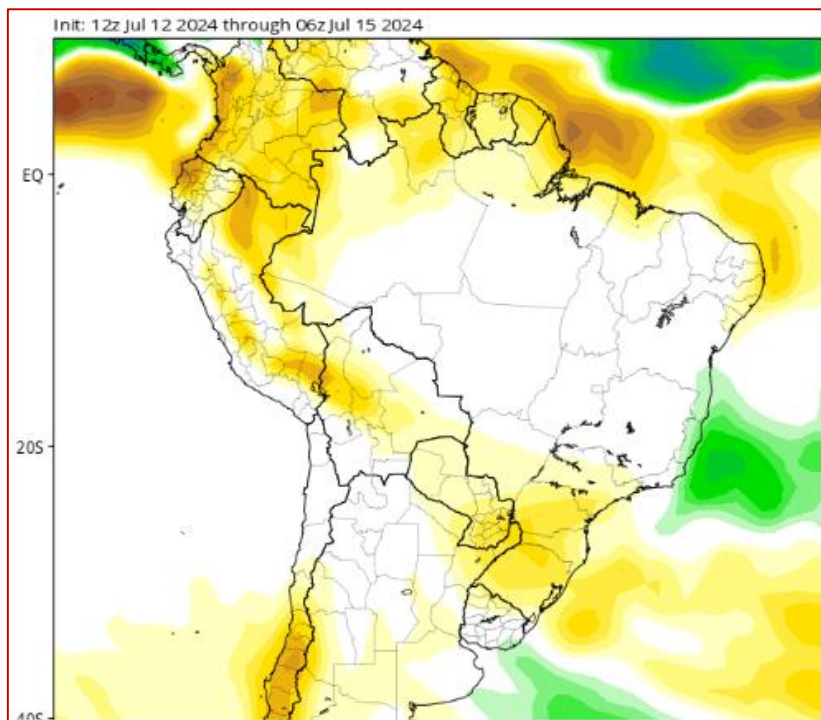
Anomalia de Temperatura BR (C)
Período: 2024072400 a 2024073000



Tendência 3a e 4a semanas

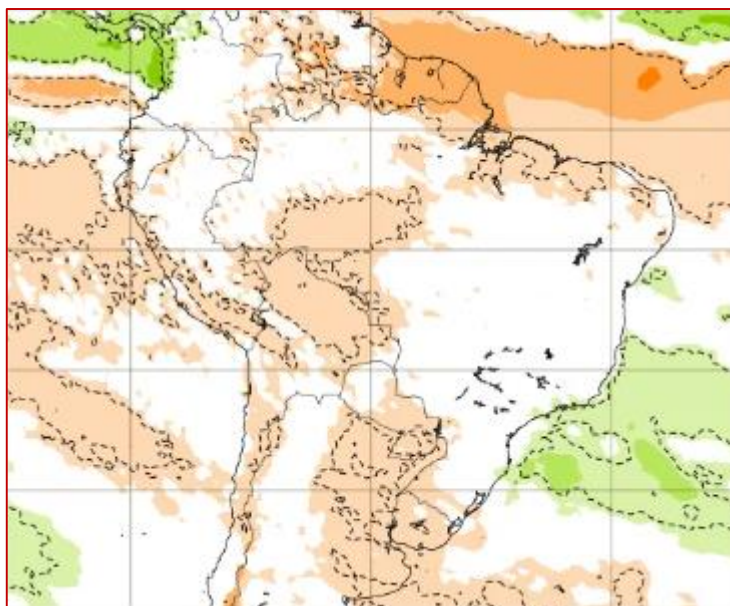
29 Julho- 05 Agosto

05- 12 Agosto

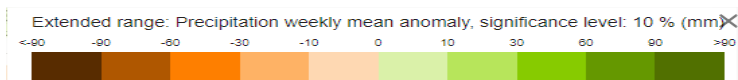
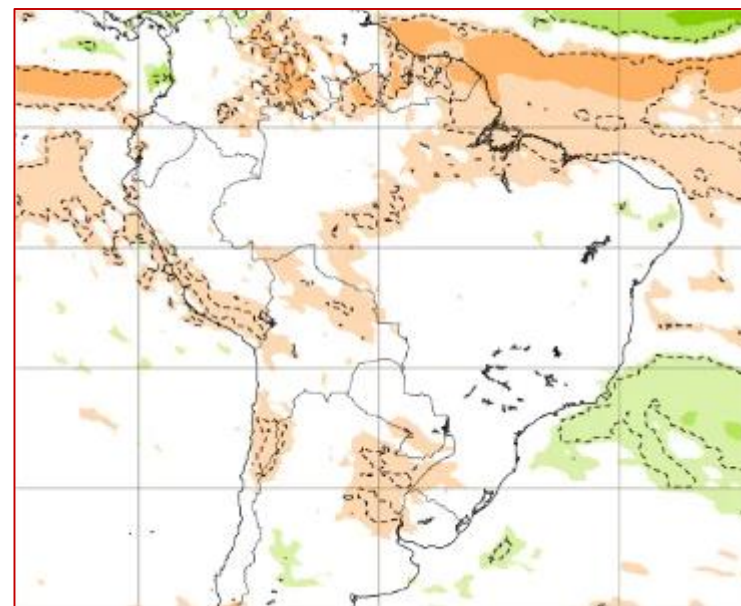


Tendência para 3ª e 4ª semanas

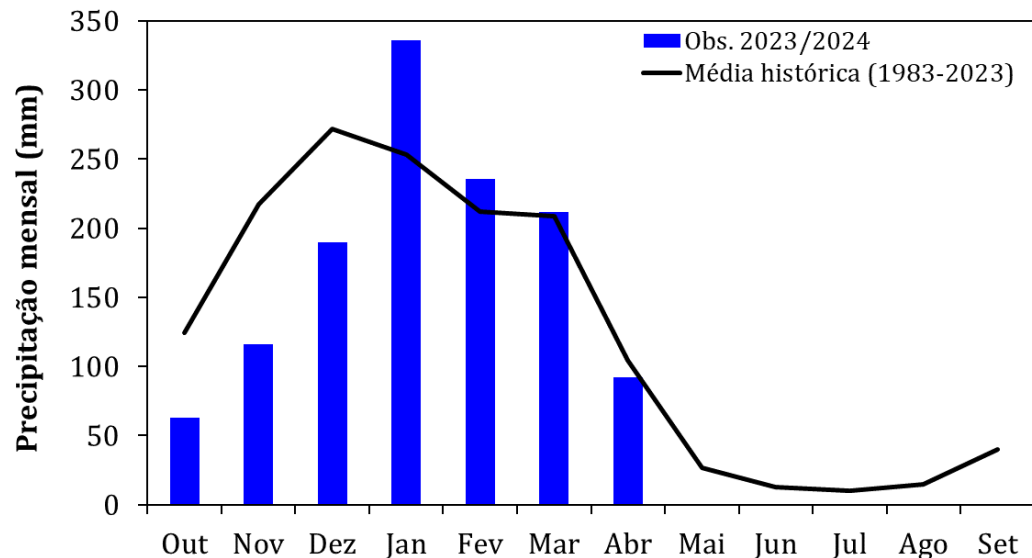
29 Julho- 05 Agosto



05-12 Agosto



Monitoramento UHE Serra da Mesa



Precipitação

Estação Chuvosa - Out a Abr – 1392 mm

2022/2023: 1358 mm (**98% da MLT**)

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

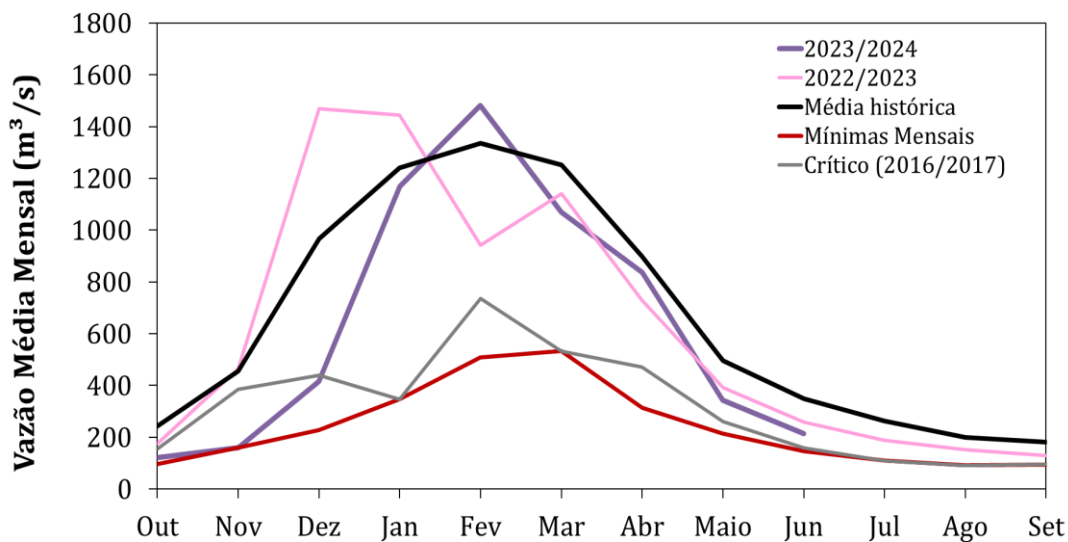
Estação Seca - Maio a Set – 105 mm

2023: 57 mm (**54% da MLT**)

2024: 0 mm (**0% da MLT PARCIAL**)

Junho/2024*: 0 mm (MLT = 13 mm)

*Até 30/06/2024



Vazão

Estação Chuvosa - Out a Abr – 913 m³/s

2022/2023: 909 m³/s (**100% da MLT**)

2023/2024: 751 m³/s (**82% da MLT**)

Estação Seca - Maio a Set – 298 m³/s

2023: 224 m³/s (**75% da MLT**)

2024*: 279 m³/s (**94% da MLT**)

Junho/2024*: 214 m³/s (61% da MLT)

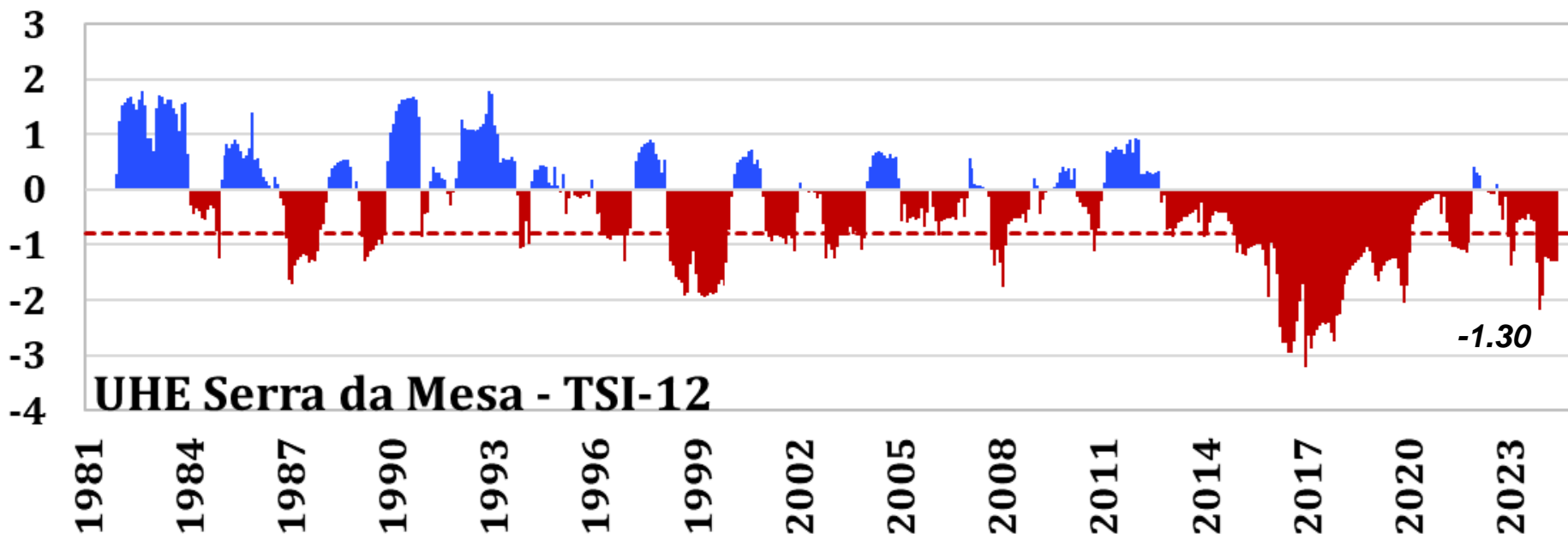
*Até 30/06/2024

Monitoramento UHE Serra da Mesa

Julho/2024

Seca Hidrológica Severa

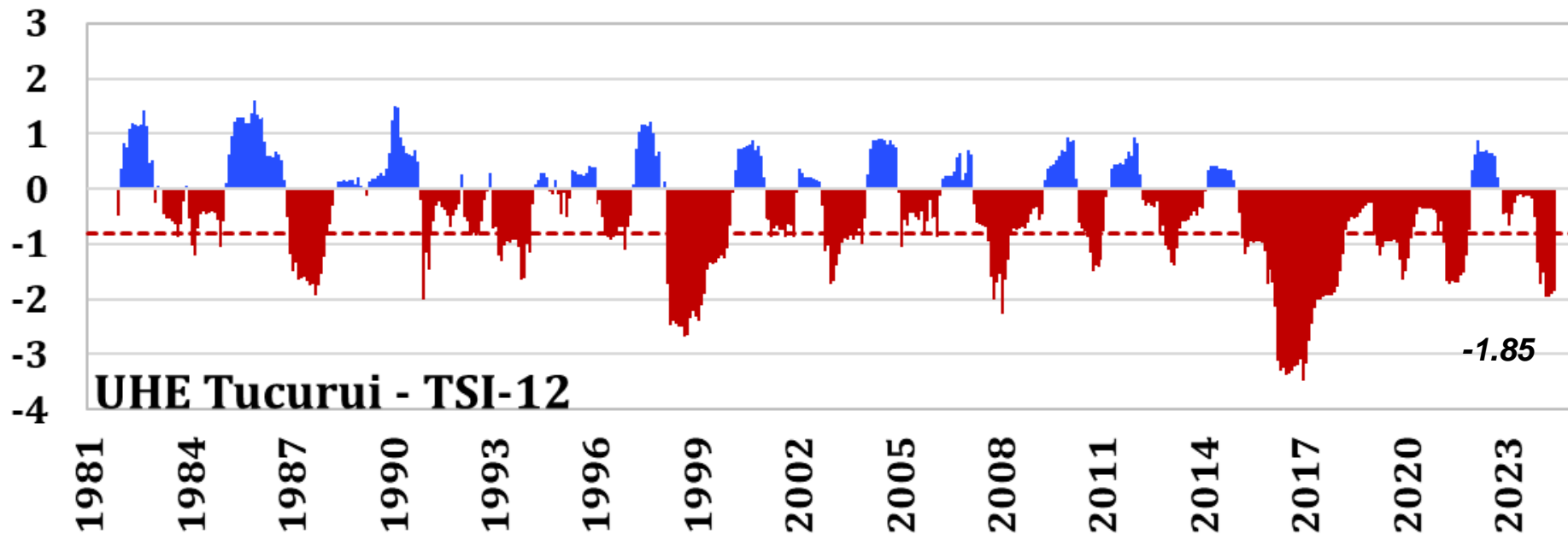
Índice Padronizado Bivariado (Chuva-Vazão) - TSI-12



Bacia afluyente à UHE Serra da Mesa	TSI
Maio/24	SEVERA
Junho/24	SEVERA

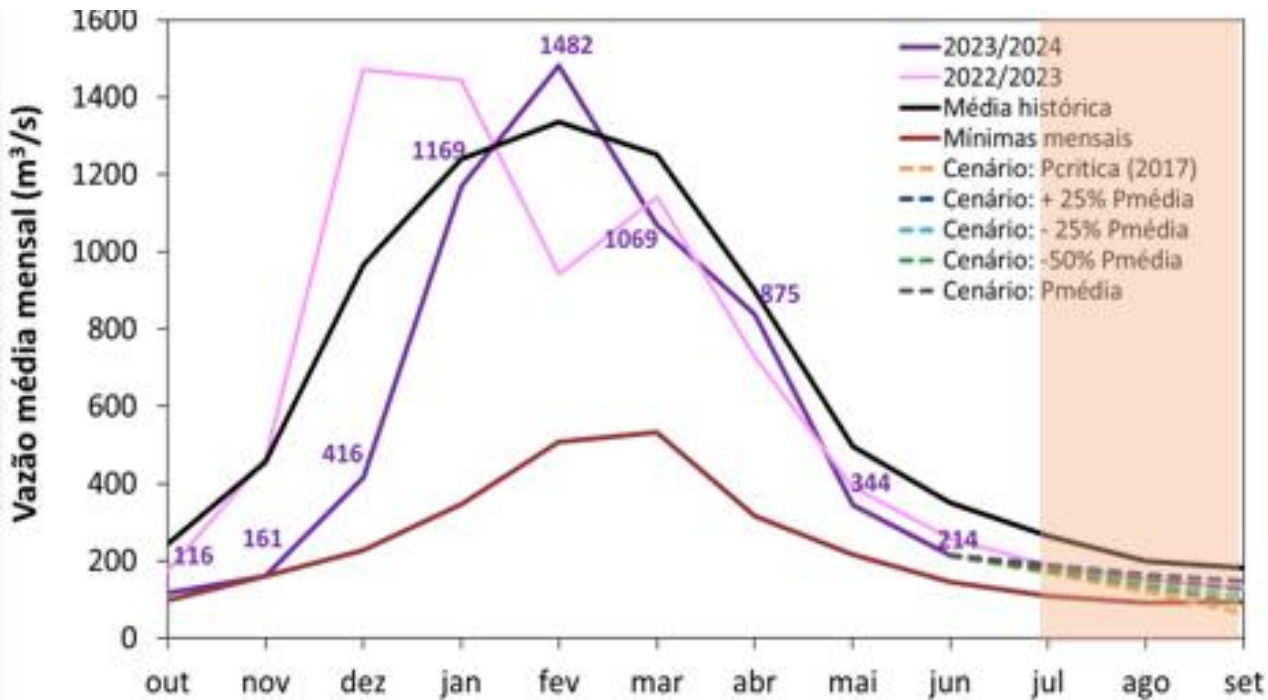
Seca Hidrológica Extrema

Índice Padronizado Bivariado (Chuva-Vazão) - TSI-12



Bacia afluyente à UHE Tucuruí	TSI
Maio/24	EXTREMA
Junho/24	EXTREMA

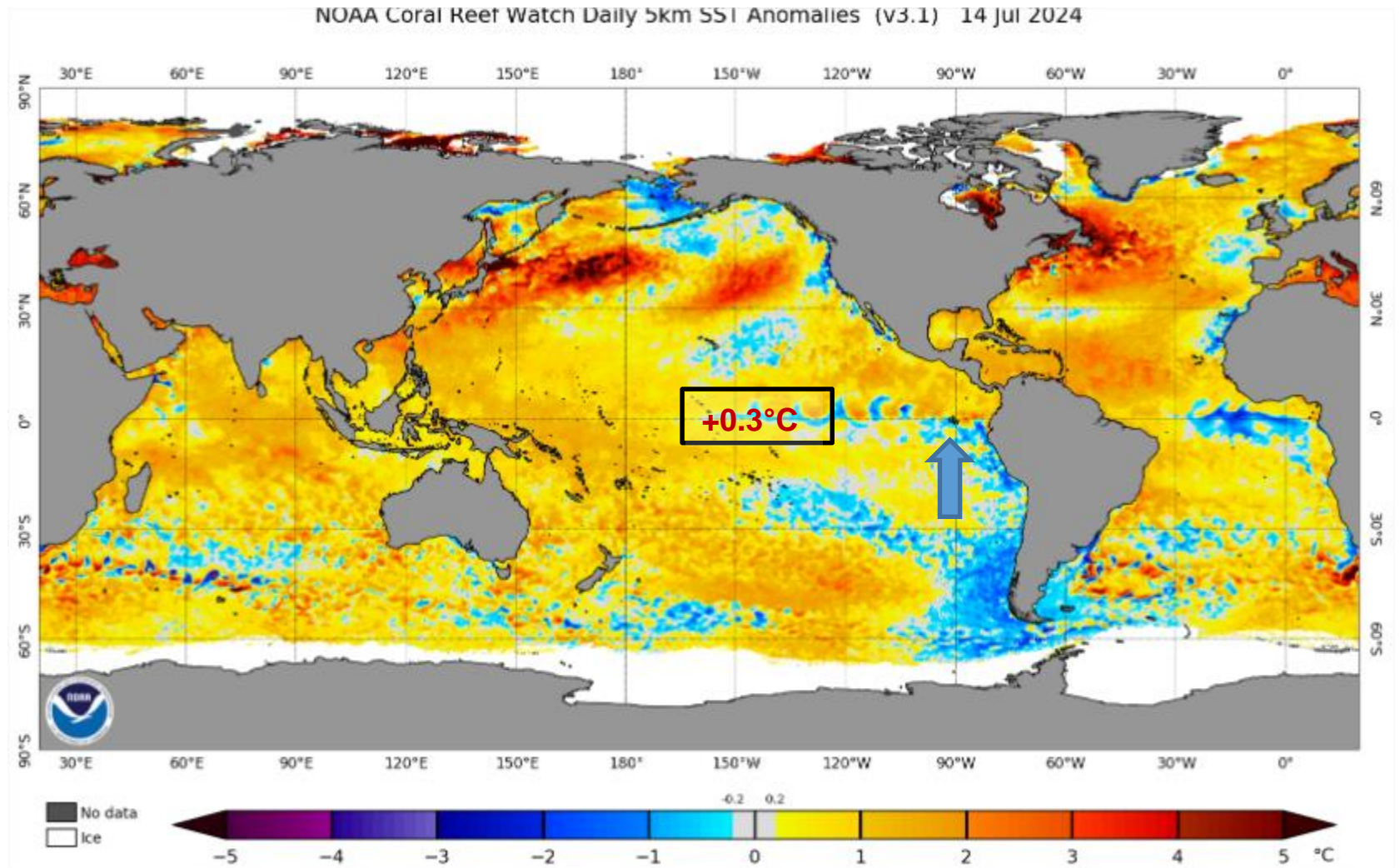
Serra da Mesa: Projeção de Vazão (modelo hidrológico PDM-CEMADEN)



Jul-Set (Meses secos)
MLT: 215 m³/s

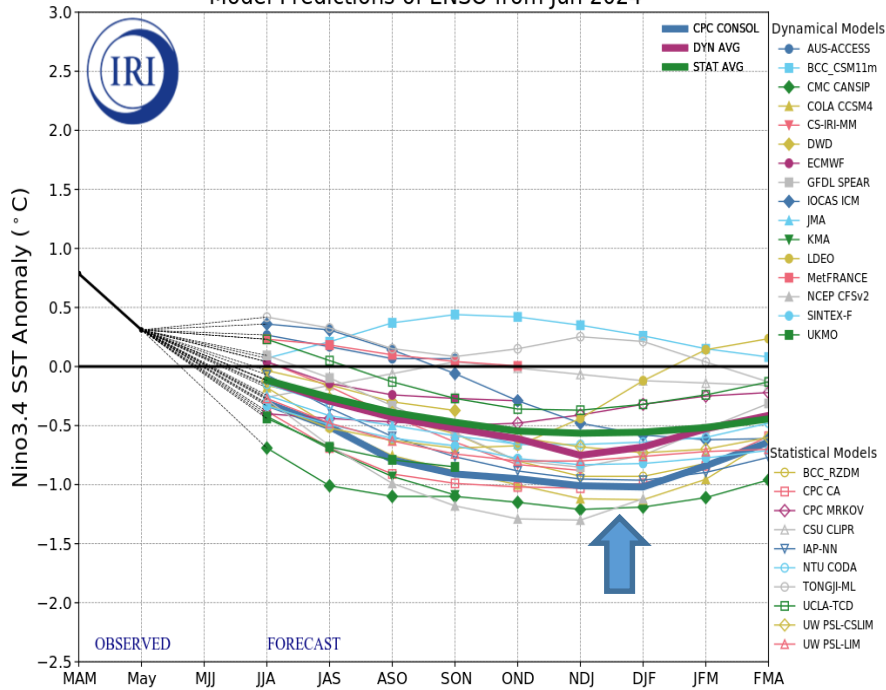
Vazão	% MLT
166 m³/s	77%
155 m³/s	72%
143 m³/s	67%
118 m³/s	55%

Status Atual: La Niña Watch

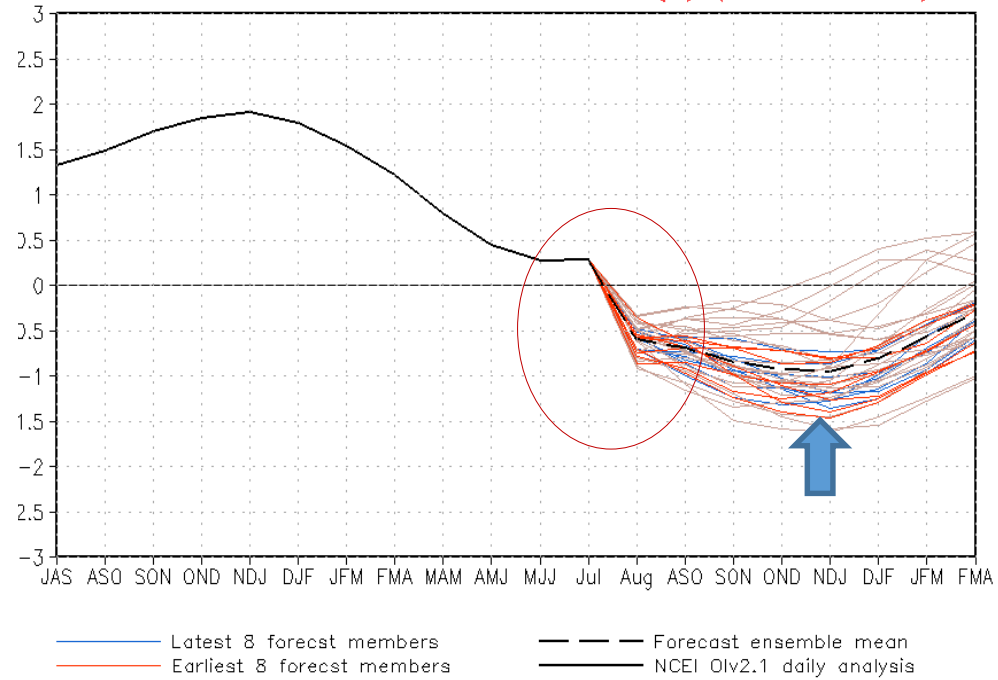


Previsão do “ENSO”

Model Predictions of ENSO from Jun 2024



CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



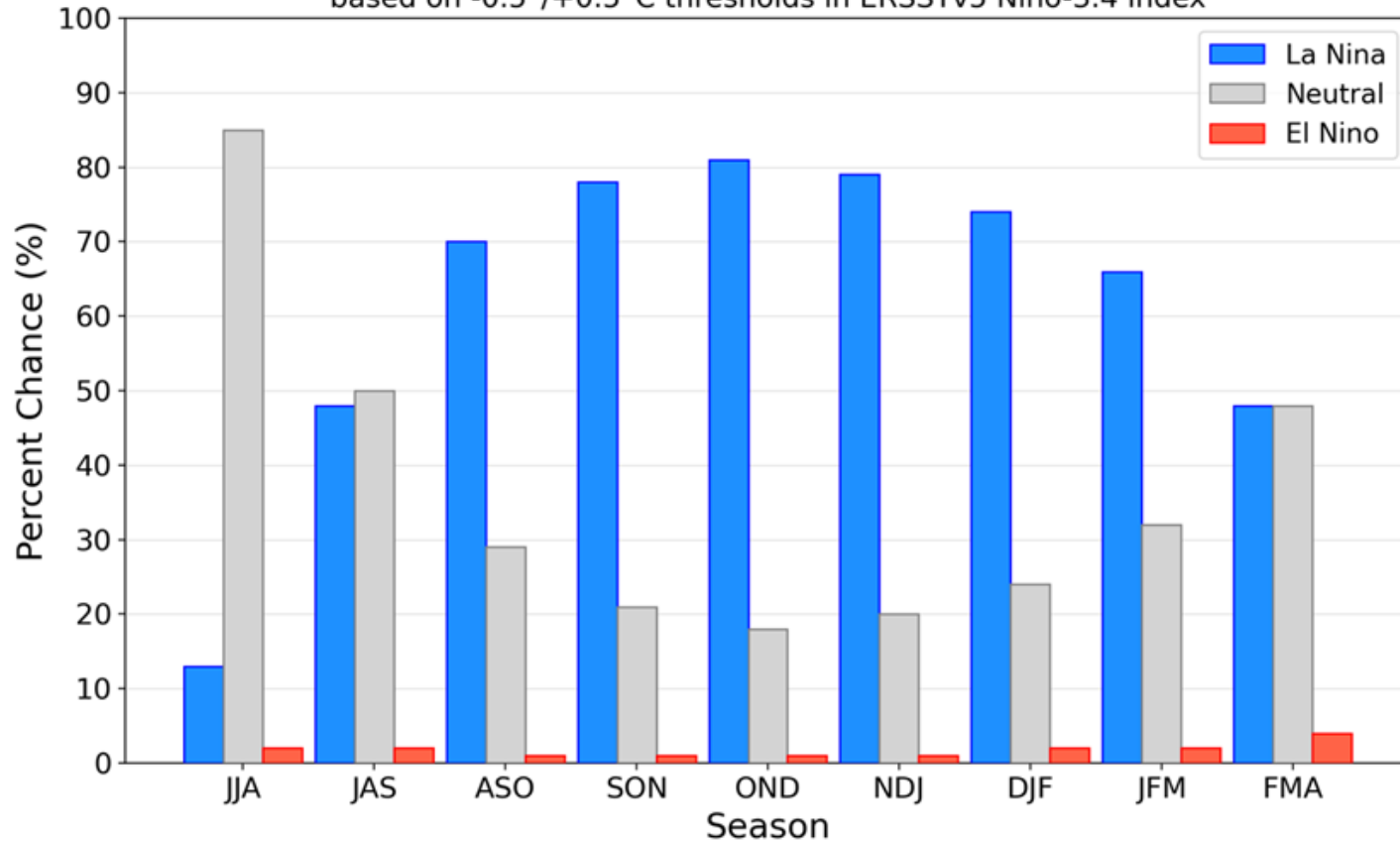
(Climatology base period: 1991–2020)

Atualizado 15 de julho

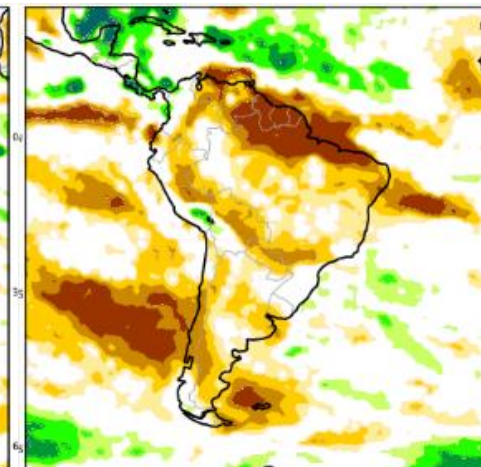
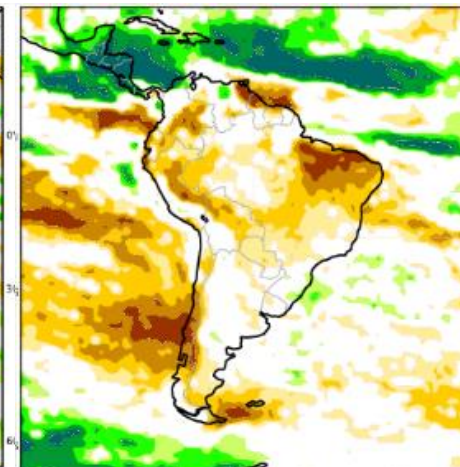
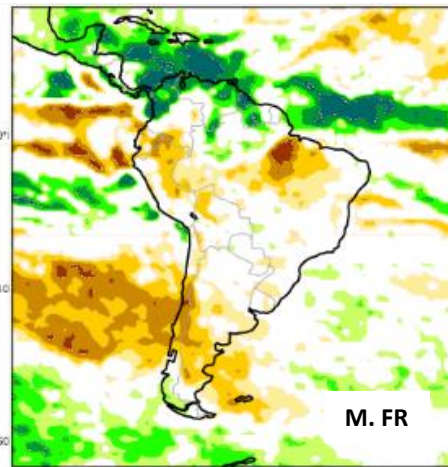
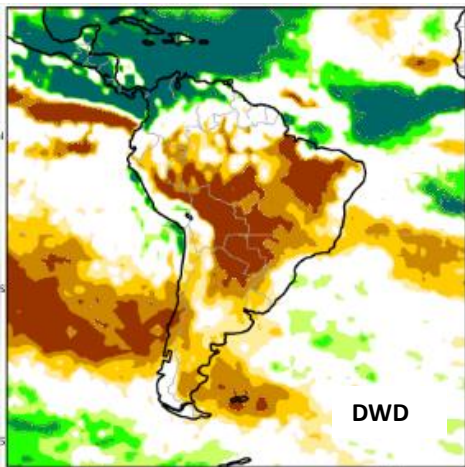
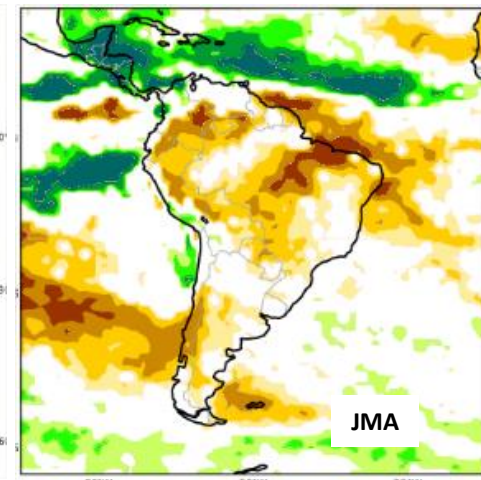
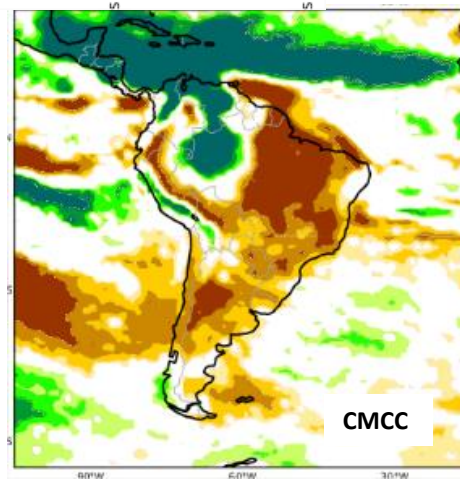
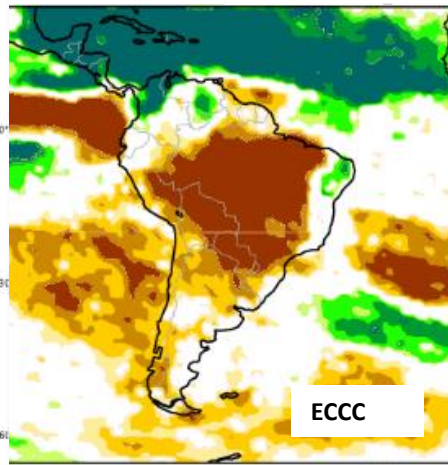
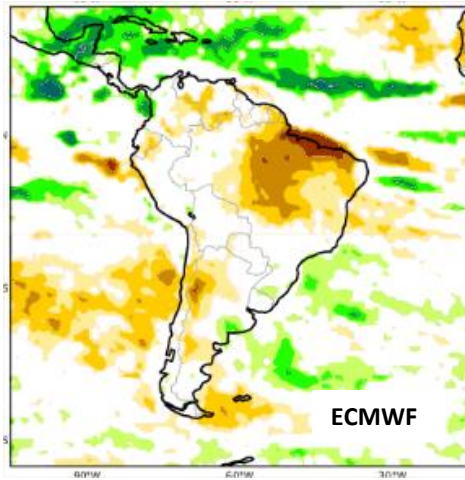
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued July 2024)

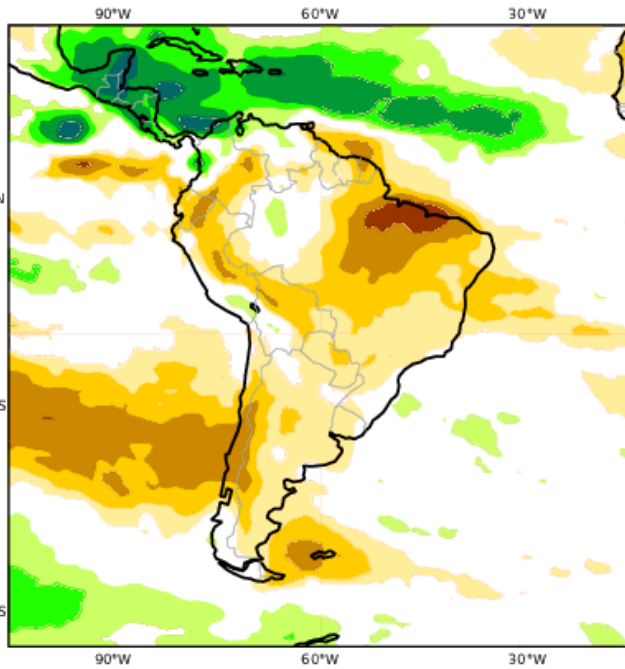
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



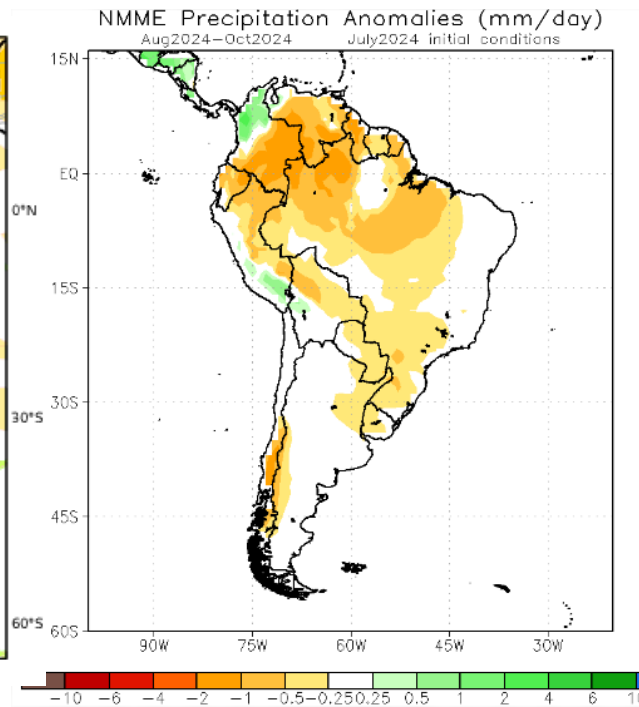
Previsão Sazonal de Chuva ASO



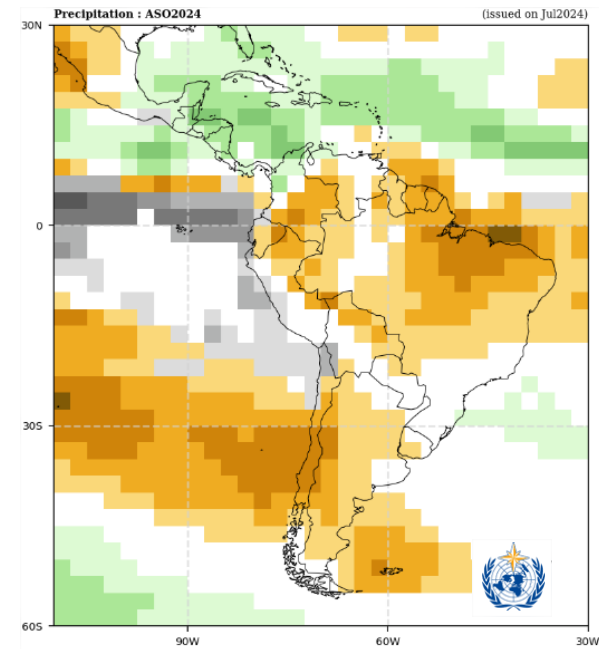
Previsão Sazonal de Chuva Multi-Modelo para ASO



Modelos Europeus



Modelos Americanos



Modelos da Organização Meteorológica Mundial