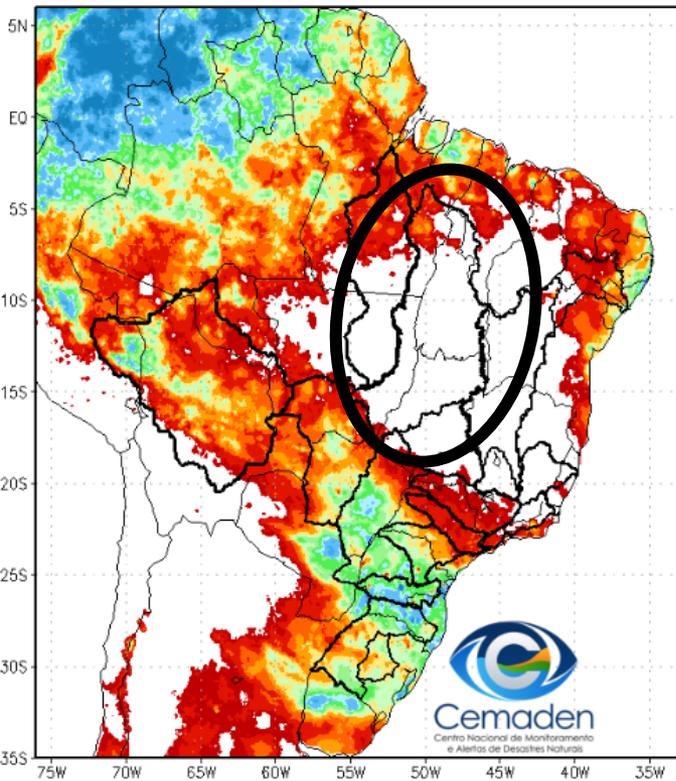


Monitoramento e Previsões para a Bacia do rio Tocantins

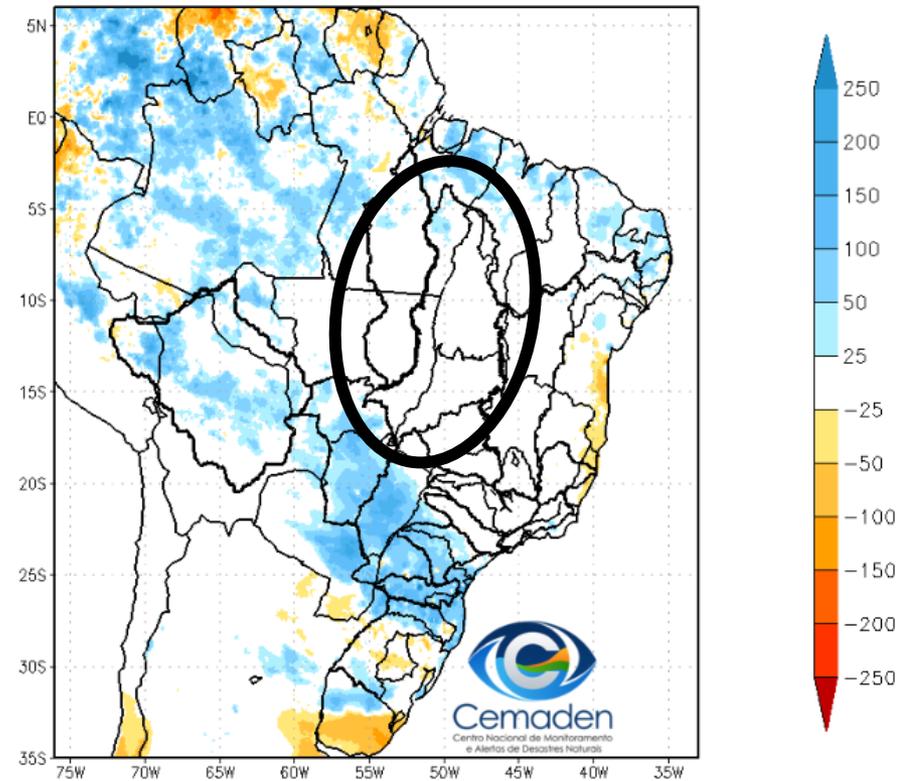


Precipitação acumulada nos últimos 30 dias

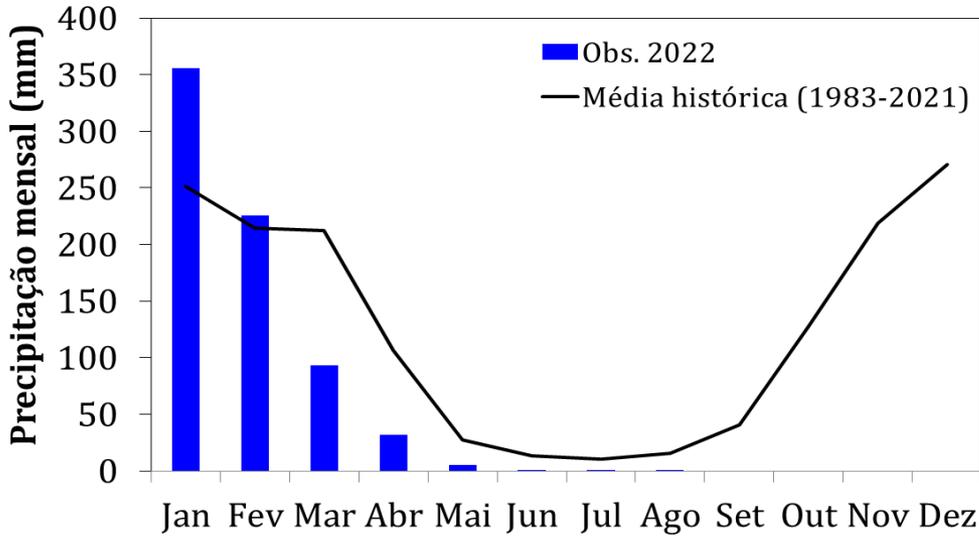
Precipitação Acumulada (mm) A.S.
Período: 31/07/2022 a 30/08/2022



Anomalia de Precipitação (mm) A.S.
Período: 31/07/2022 a 30/08/2022



Monitoramento UHE Serra da Mesa

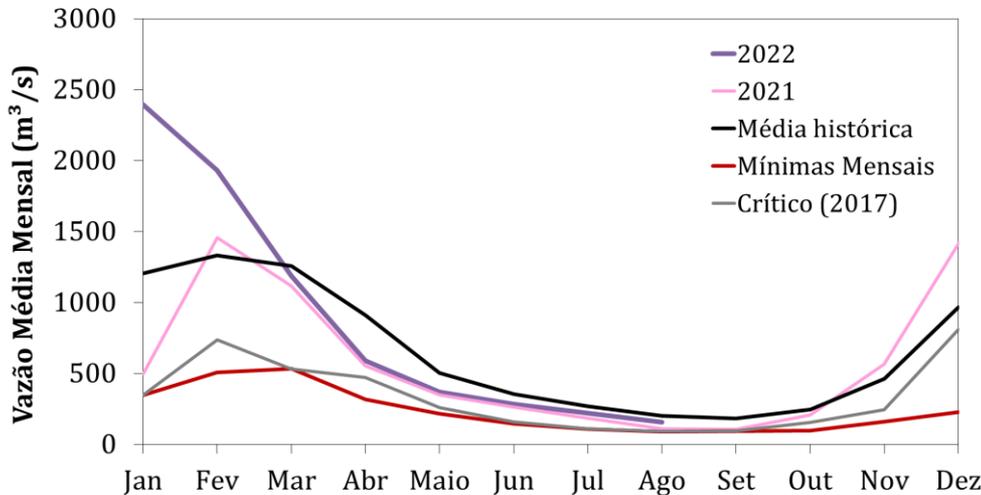


Precipitação

Estação Chuvosa - Out a Abr – 1401 mm
 2020/2021: 1378 mm (**98% da média histórica**)
 2021/2022: 1473 mm (**105% da média histórica**)

Estação Seca - Maio a Set – 107 mm
 2021: 28 mm (**26% da média histórica**)
 2022: 5 mm (**5% da média histórica**)

Ago/2022: 0 mm (Média histórica = 15 mm)



Vazão

Estação Chuvosa - Out a Abr – 912 m³/s
 2020/2021: 659 m³/s (**72% da MLT**)
 2021/2022: 1184 m³/s (**130% da MLT**)

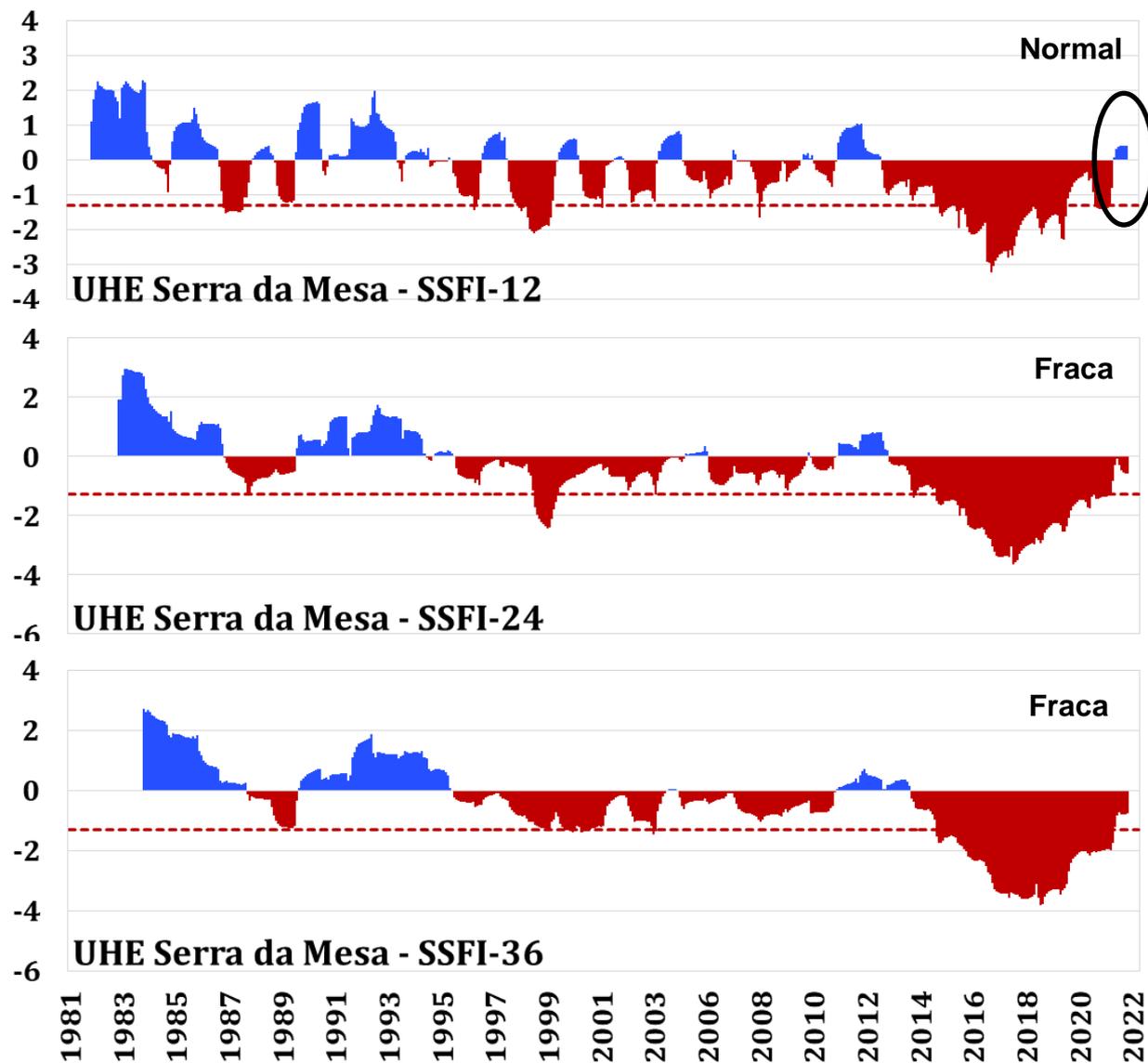
Estação Seca - Maio a Set – 302 m³/s
 2021: 203 m³/s (**67% da MLT**)
 2022: 258 m³/s (**85% da MLT**)

Ago/2022: 158 m³/s (78% da MLT)

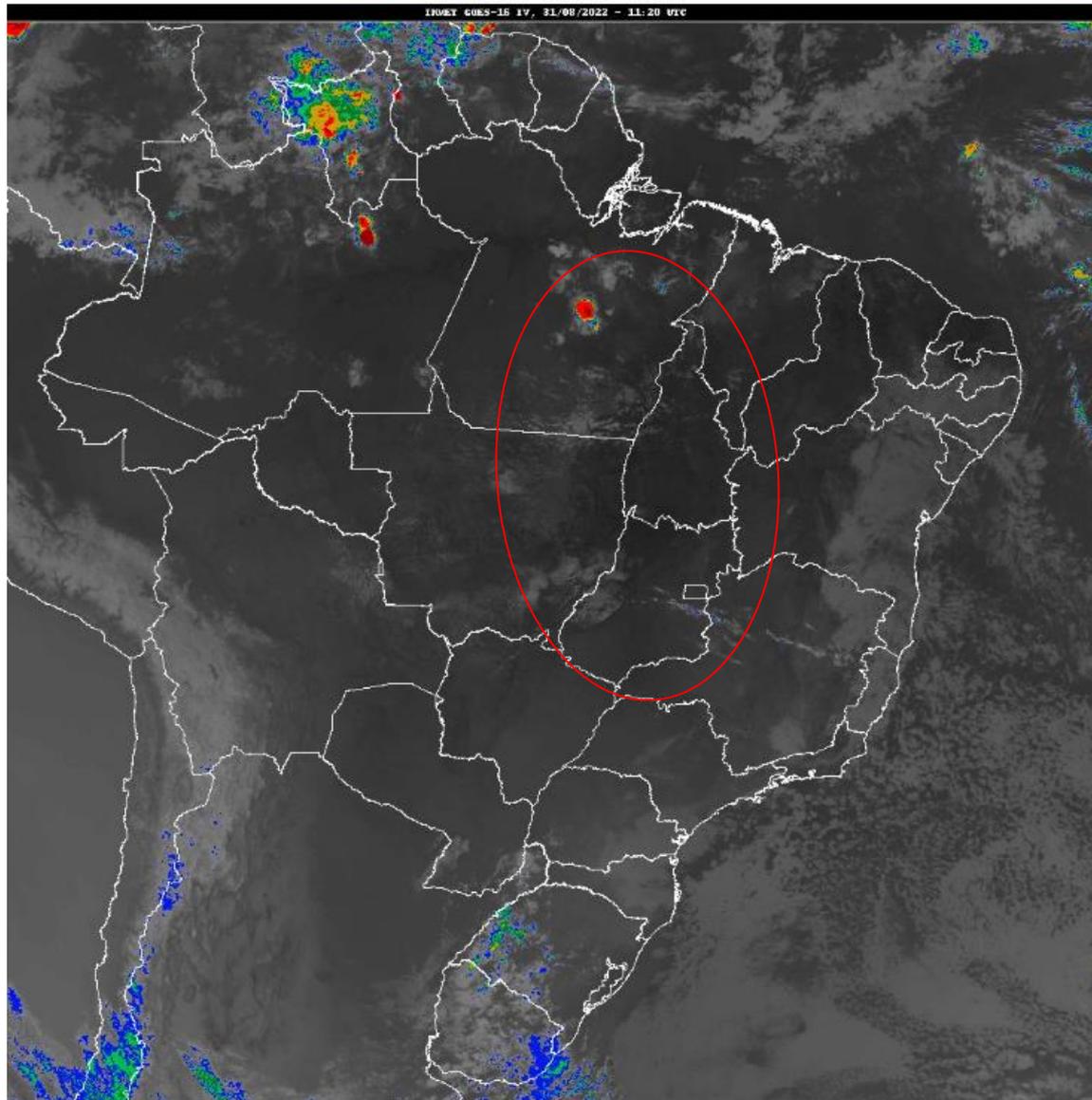
Monitoramento UHE Serra da Mesa

Índice
Padronizado de
Vazão (SSFI)

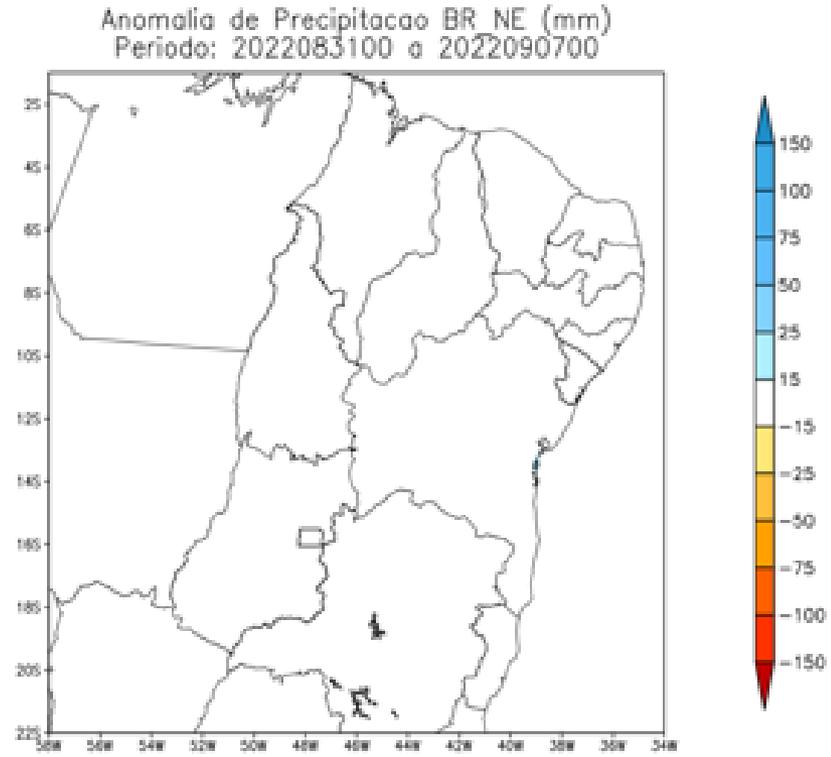
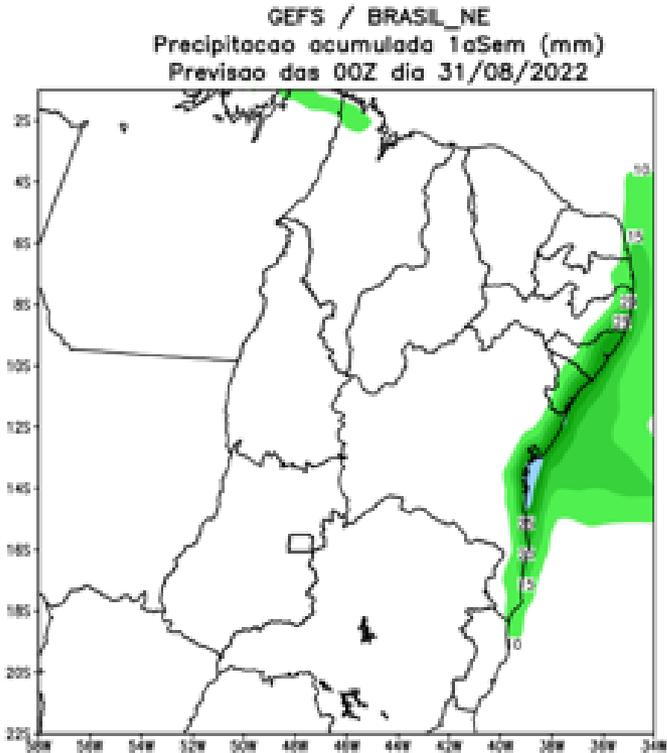
Seca Hidrológica
AGO/22
Fraca a Normal



Situação meteorológica atual



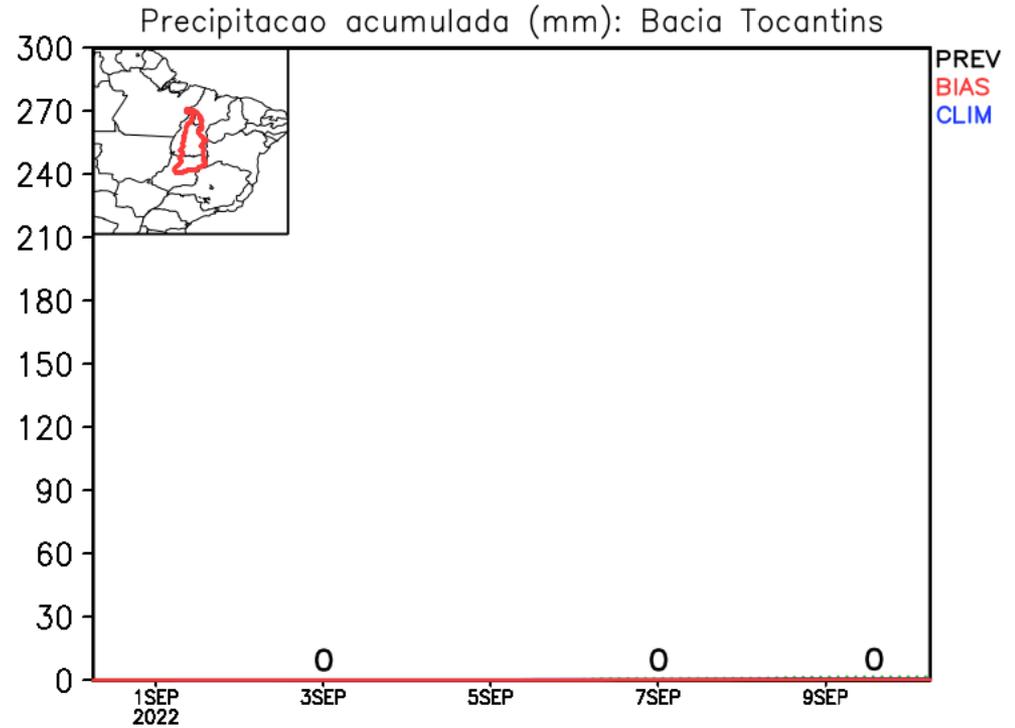
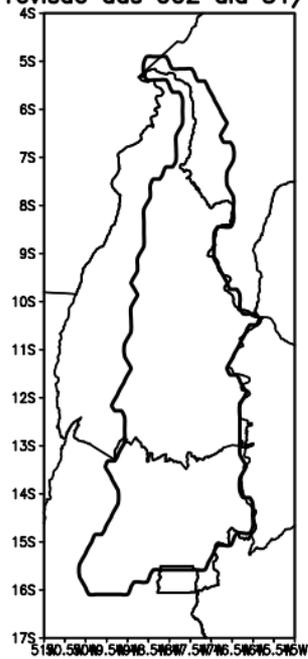
Previsão de chuva próximos 7 dias



Fonte: GFS/NOAA

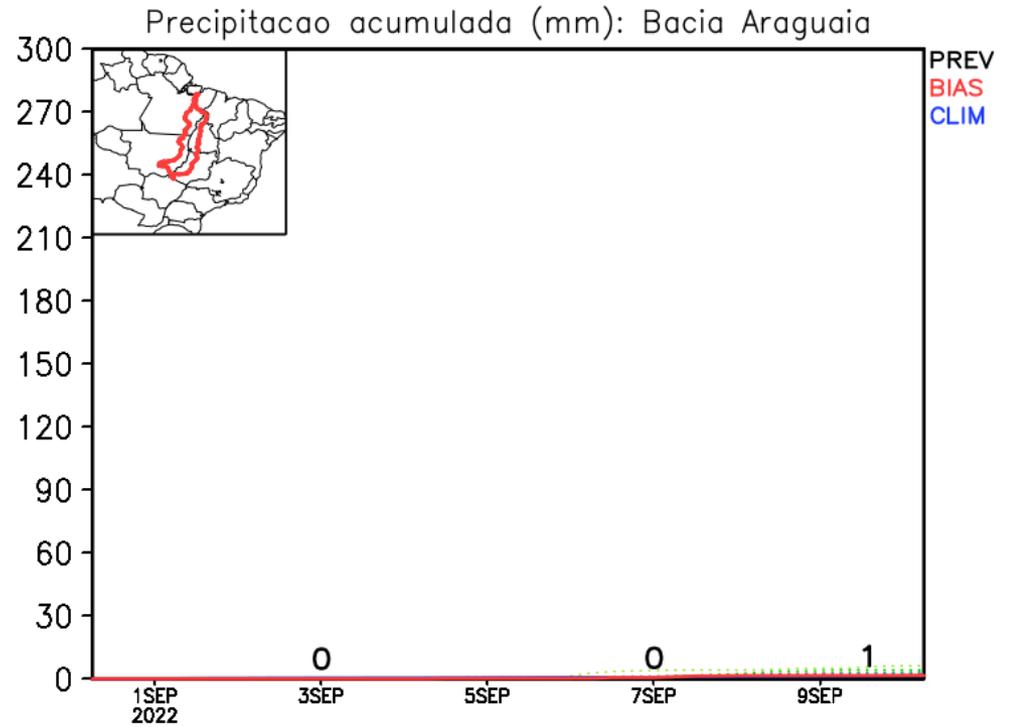
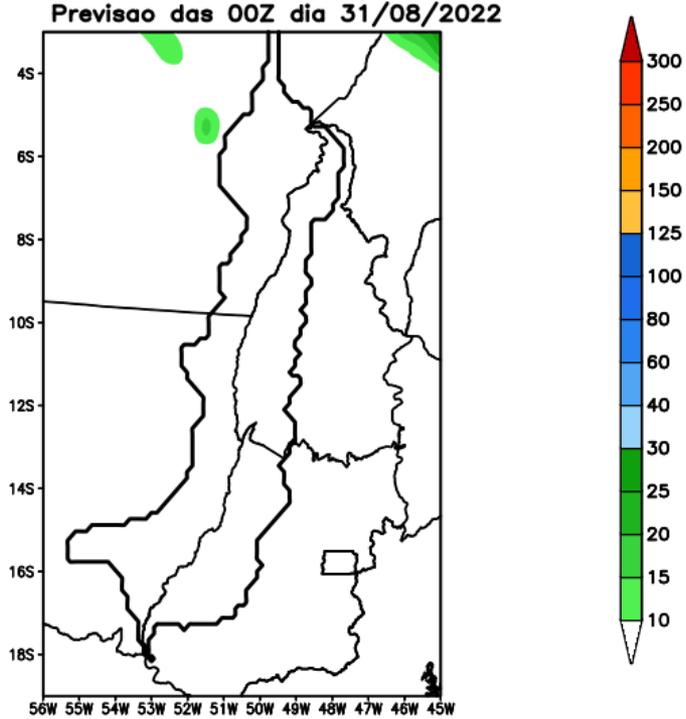
Previsão Bacia Rio Tocantins

GEFS_BC / Bacia Tocantins
Prec. acumulada com correcao de vies em 7 dias (mm)
Previsao das 00Z dia 31/08/2022

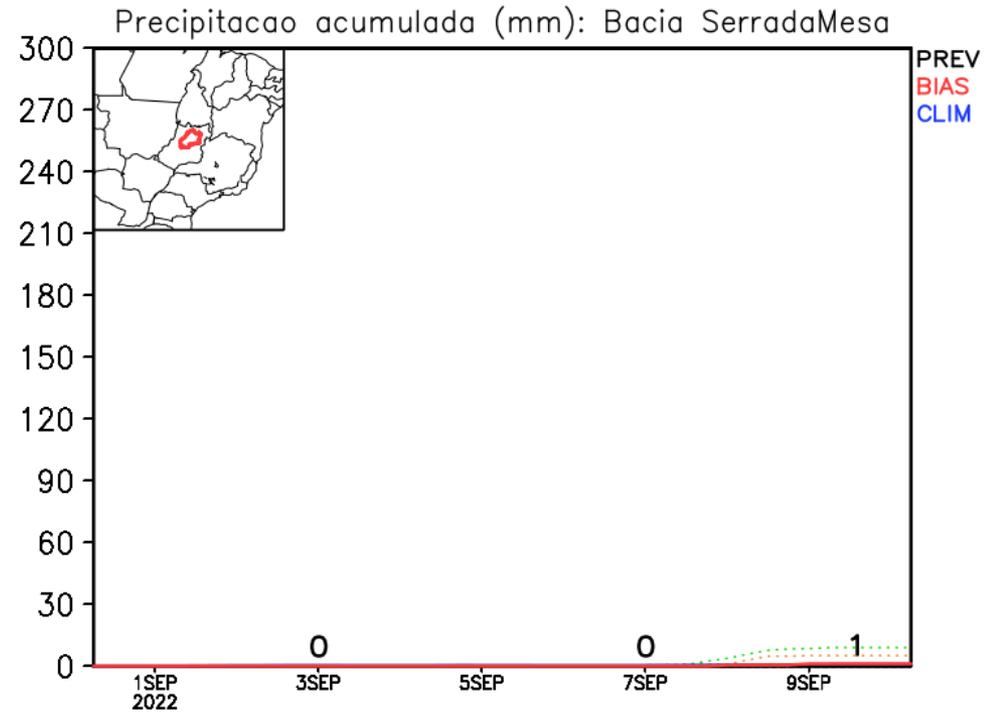
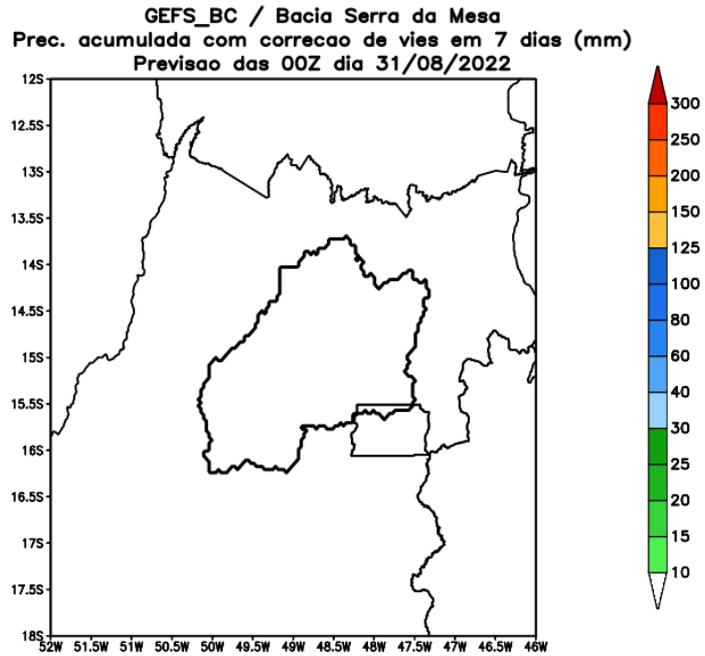


Previsão Bacia Rio Araguaia

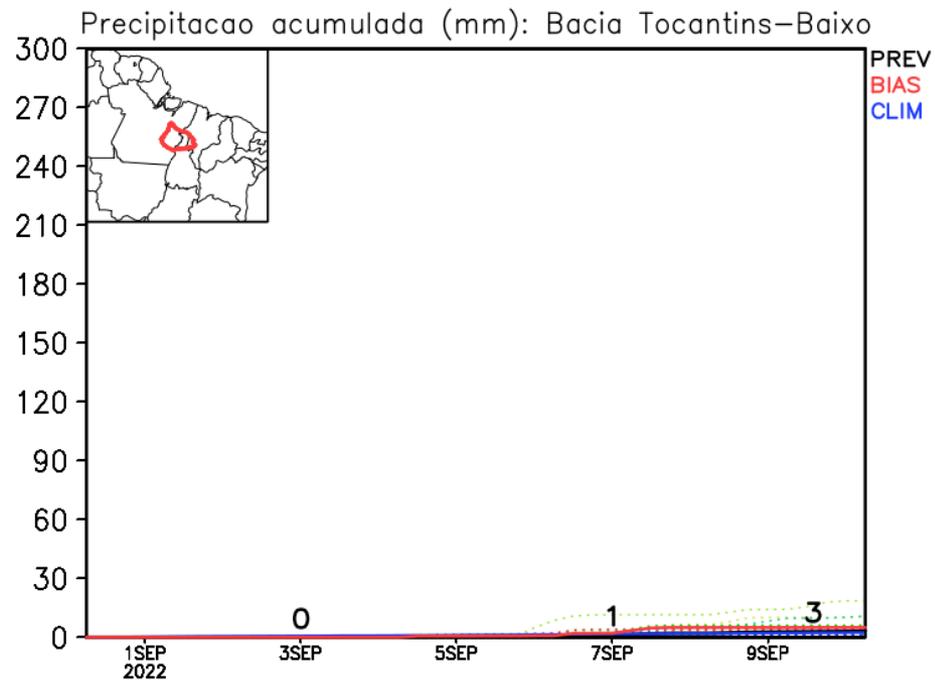
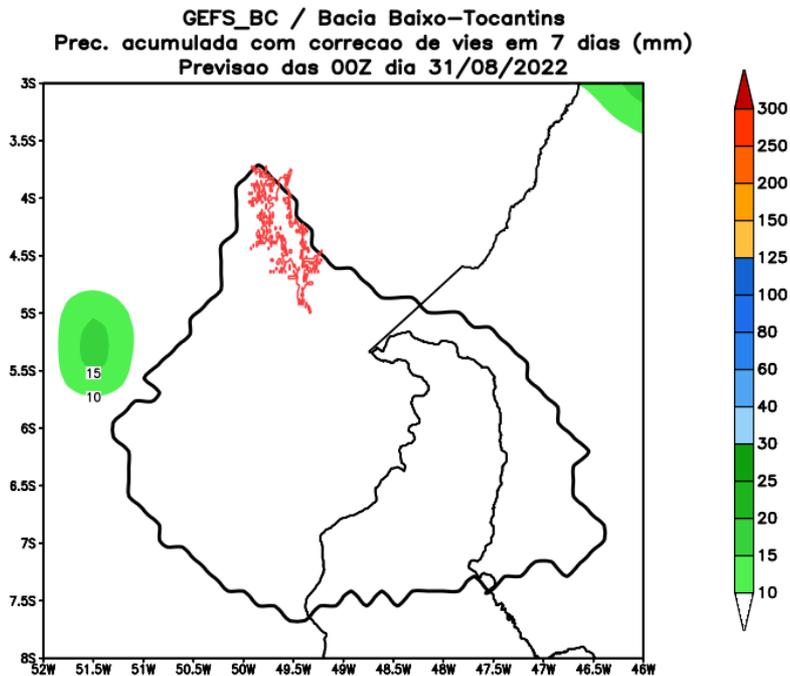
GEFS_BC / Bacia do Rio Araguaia
Prec. acumulada com correcao de vies em 7 dias (mm)
Previsao das 00Z dia 31/08/2022



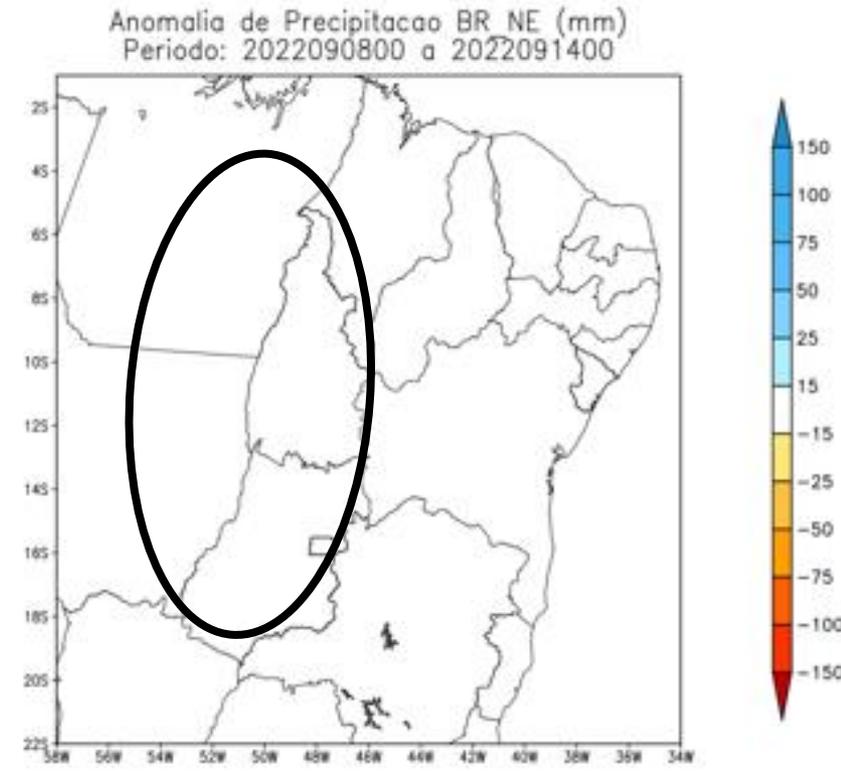
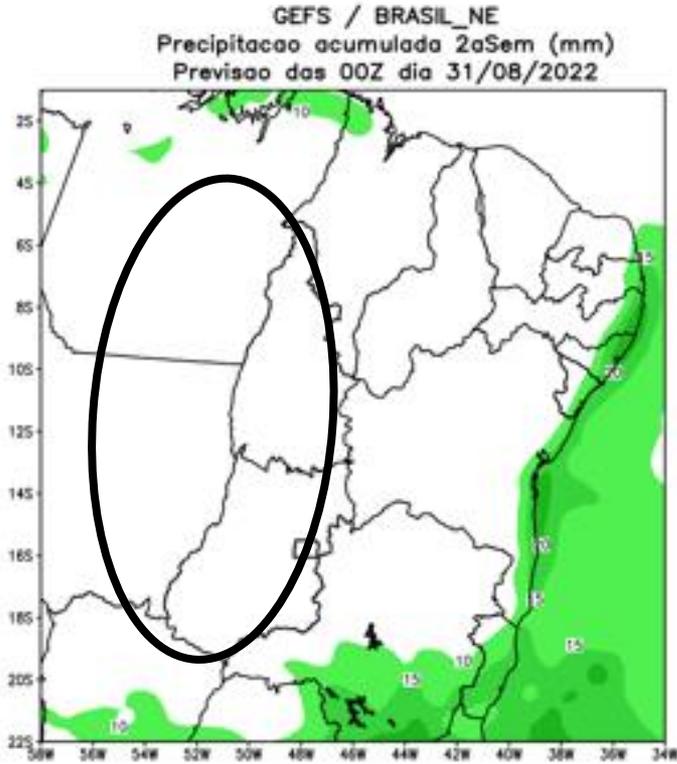
Previsão Bacia Serra da Mesa



Previsão Bacia Tocantins-Araguaia (Baixo)

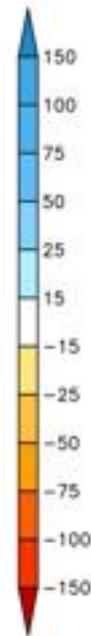
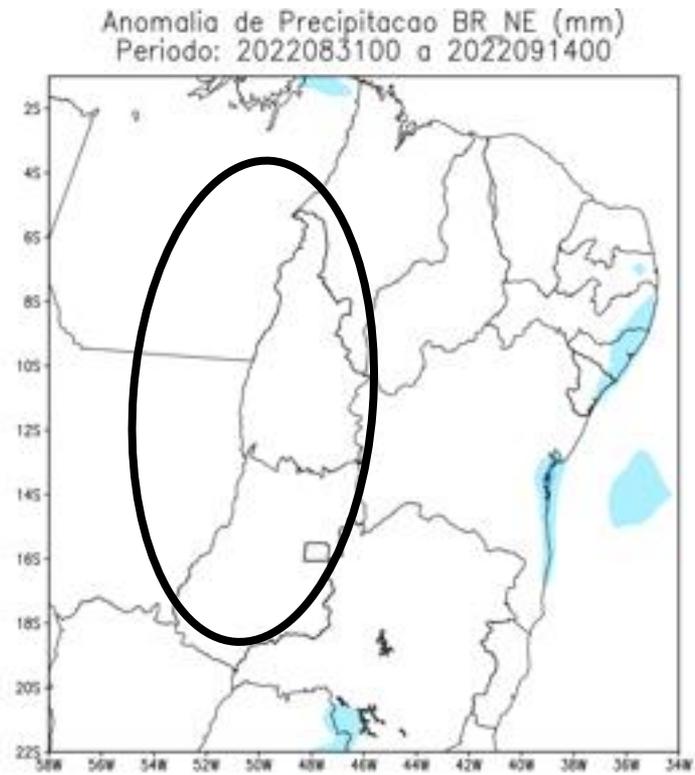
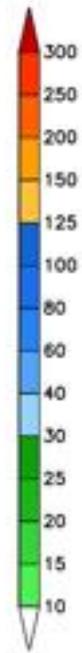
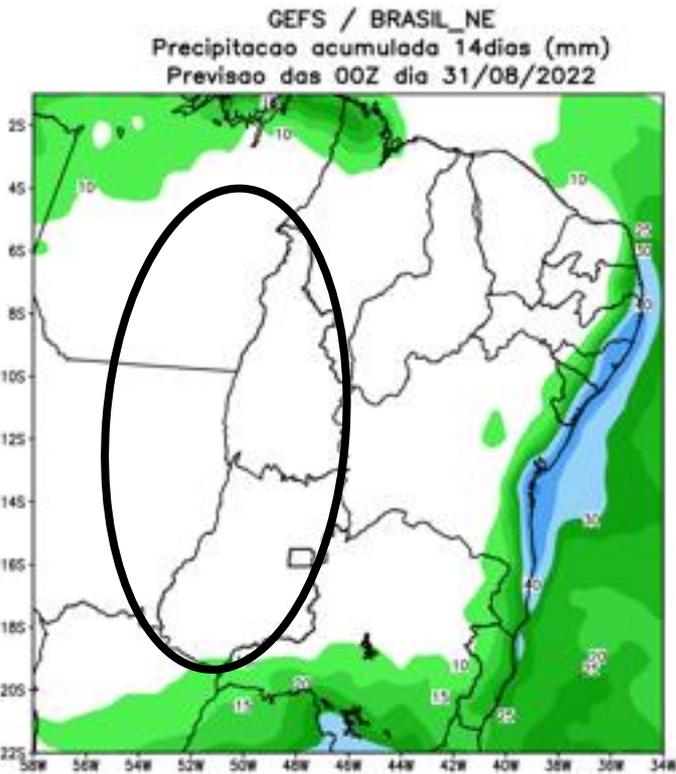


Tendência para a 2a Semana



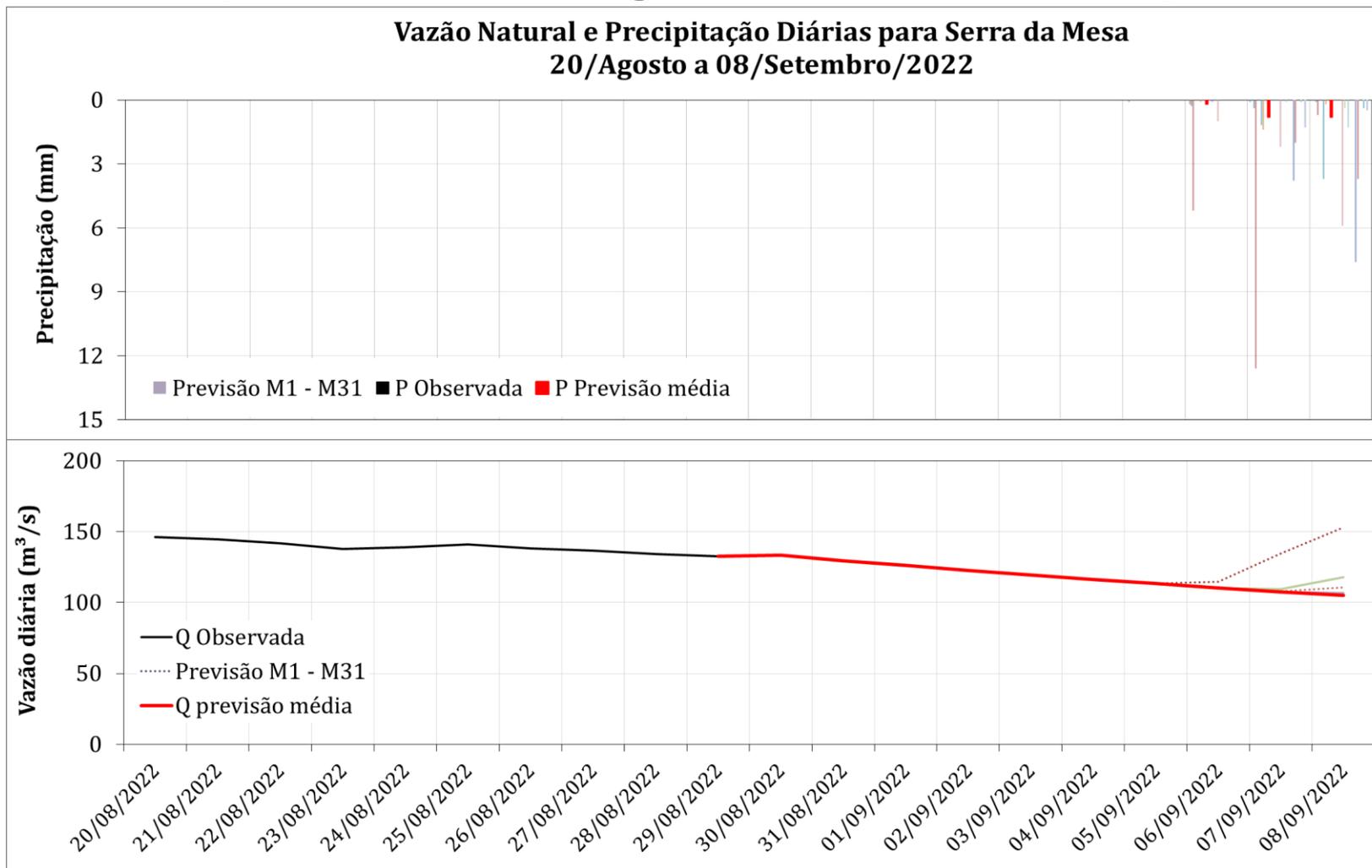
Fonte: GFS/NOAA

Tendência para as próximas duas semanas



Fonte: GFS/NOAA

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



Dados observados de precipitação (barras pretas) de 20 a 29/08 e previsão (barras coloridas) para o período de 30/08 a 08/09/22.
Dados observados de vazão (linha preta) de 20 a 29/08 e previsão (linhas pontilhadas coloridas) para o período de **30/08 a 08/09/22**.

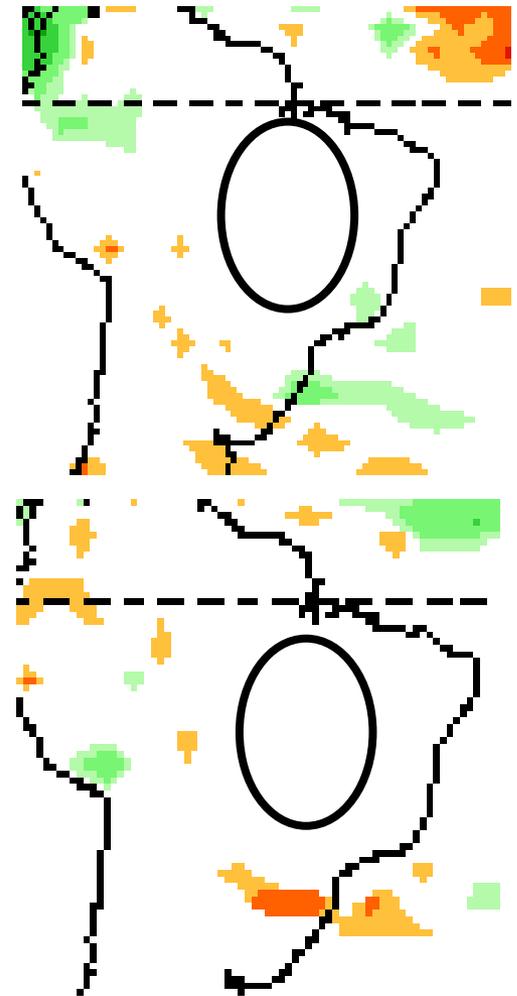
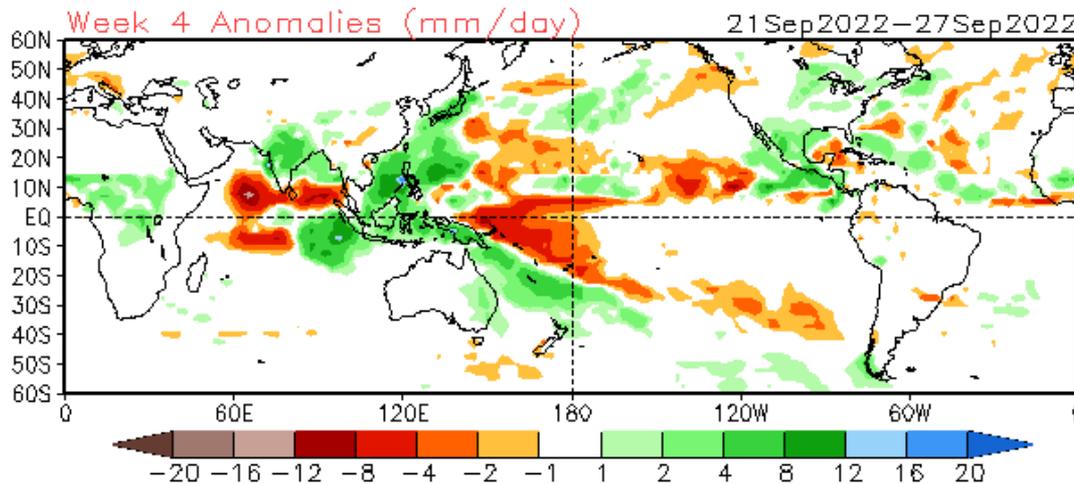
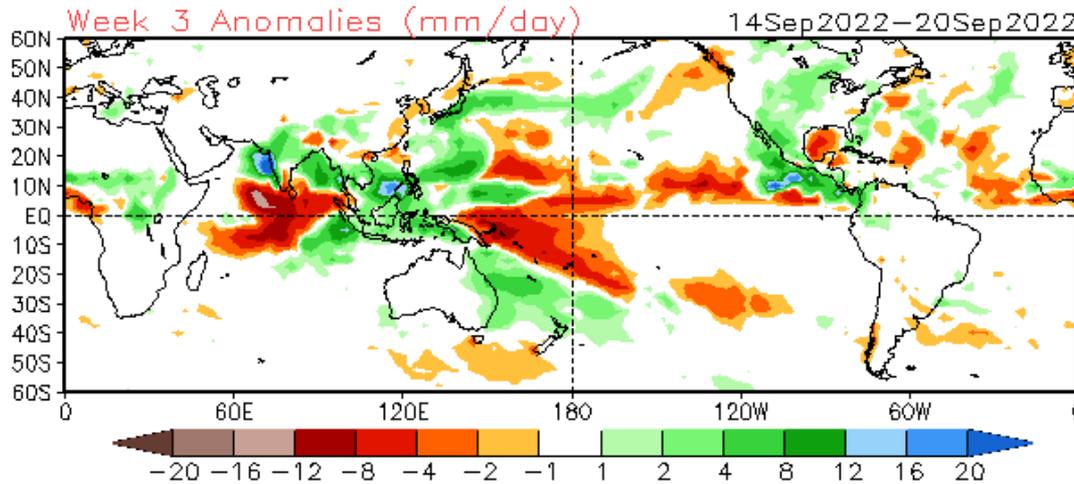
As barras coloridas correspondem às previsões da chuva para os 31 membros GEFS/NOAA e à média destes membros.

A linha vermelha representa a média dos 31 membros de previsão de vazão do modelo PDM-CEMADEN
A média de vazão diária prevista para os próximos 10 dias: 119 m³/s

Tendência 3a e 4a semanas

CFSv2 Weeks 3 & 4 Precipitation

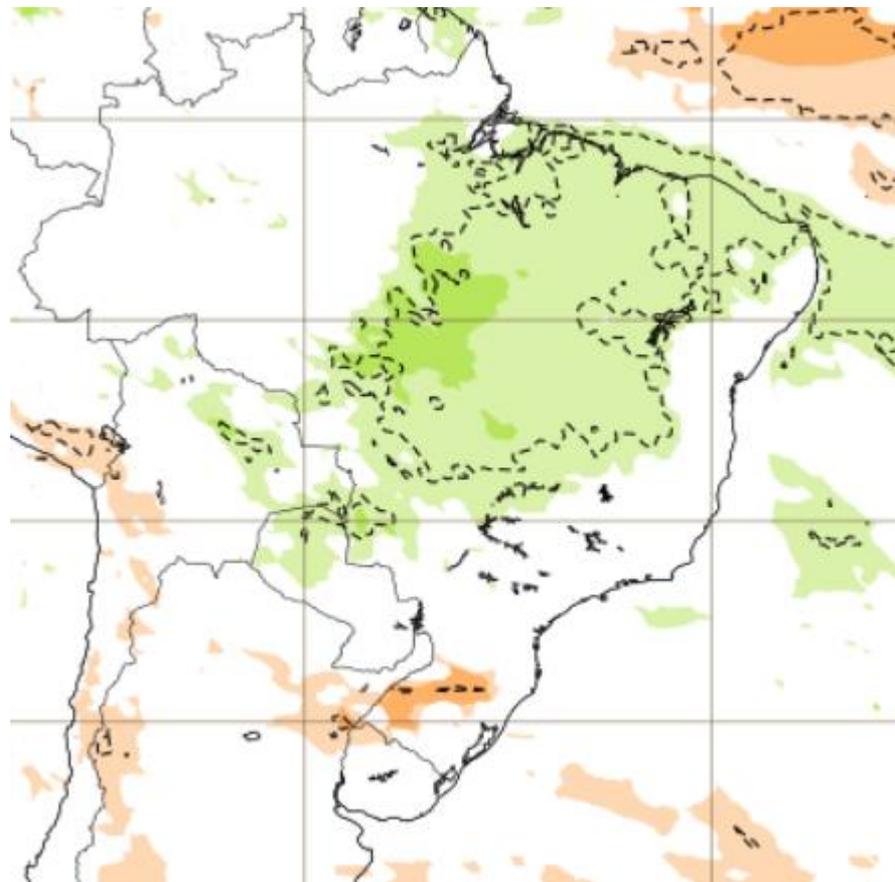
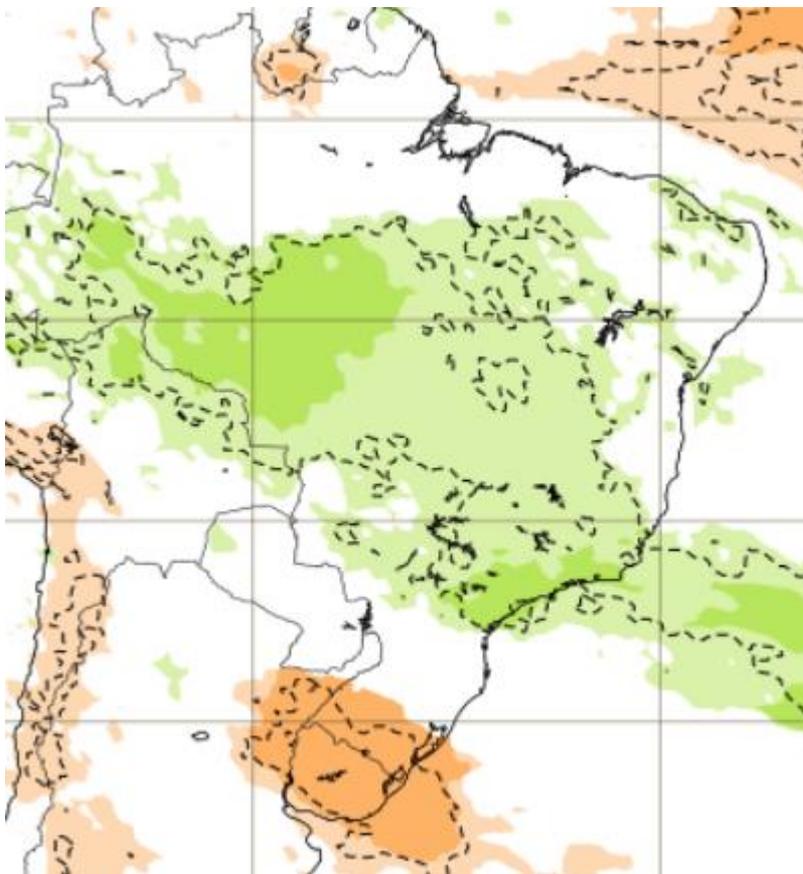
16 Member Ensemble Mean Forecast from 30Aug2022



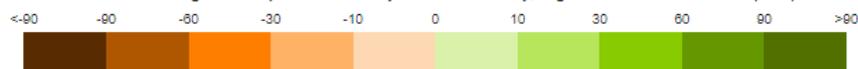
Tendência para 3ª e 4ª semanas

12-18/09

19-26/09

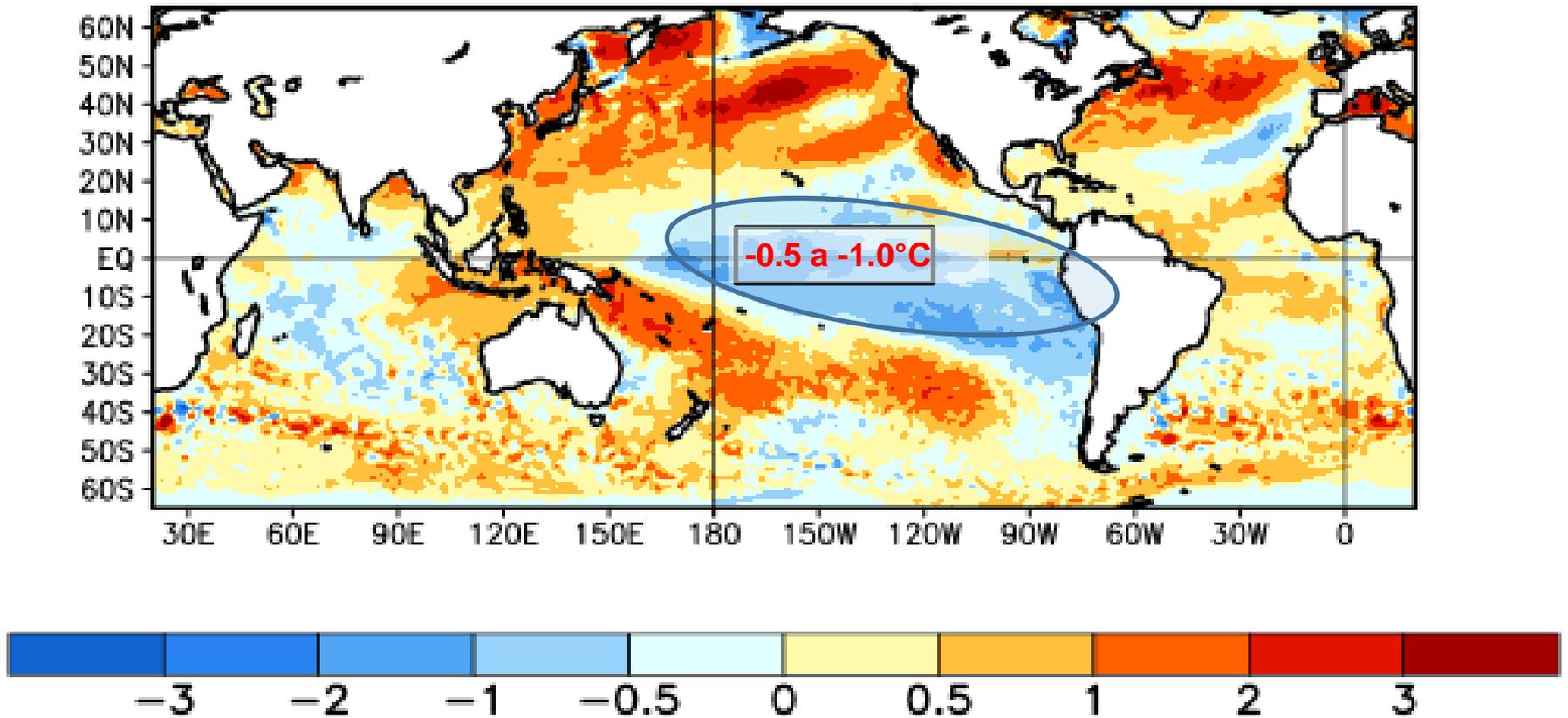


Extended range: Precipitation weekly mean anomaly, significance level: 10 % (mm)



Status Atual: **La Niña**

Average SST Anomalies
31 JUL 2022 – 27 AUG 2022

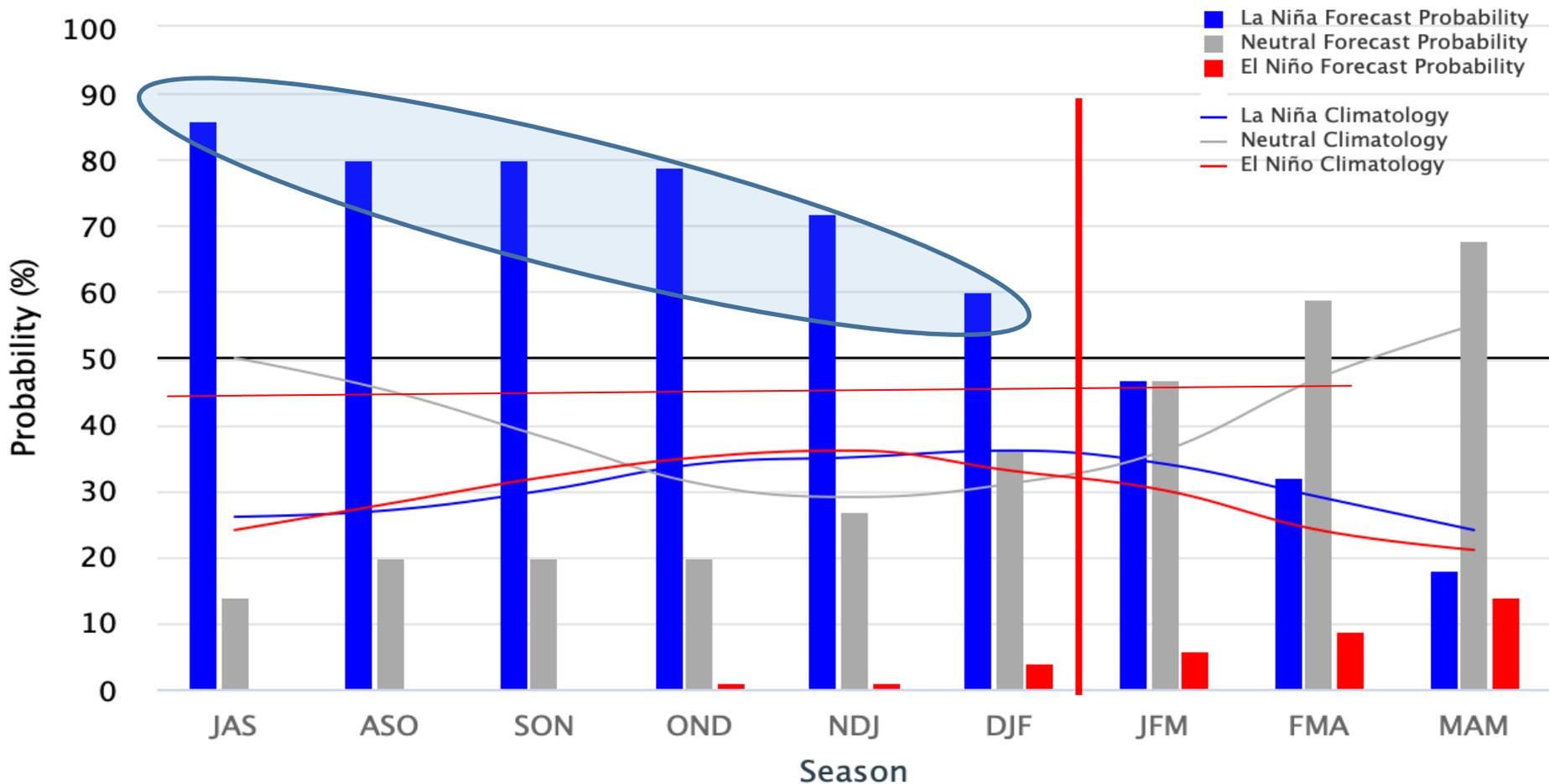


Previsão do “La Niña”

Early–August 2022 CPC Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

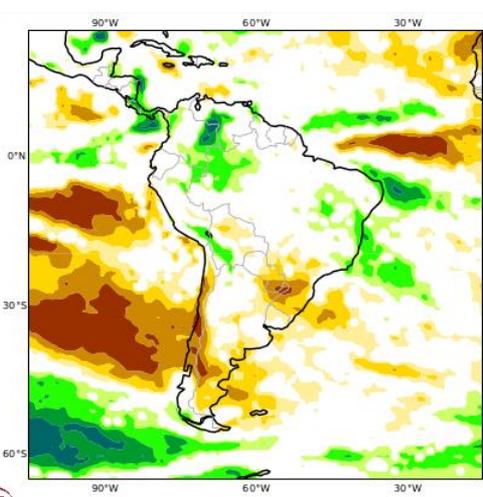
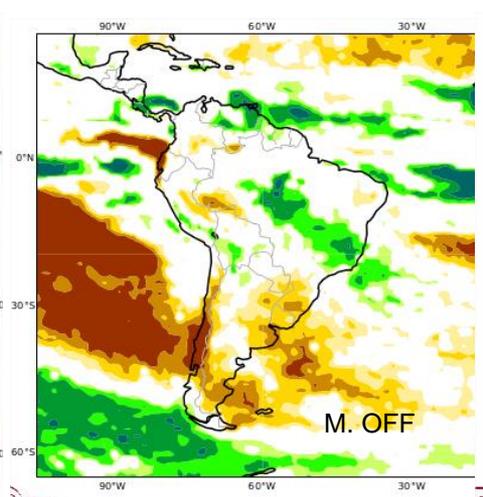
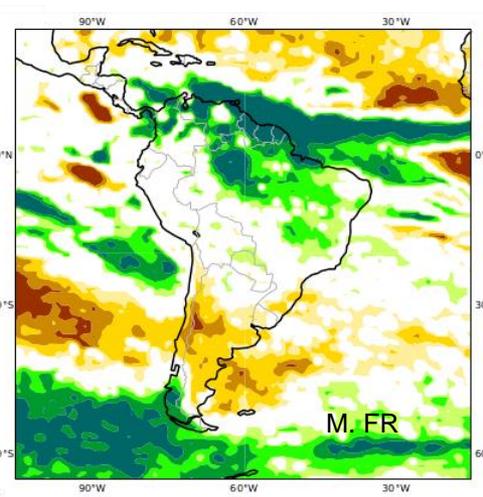
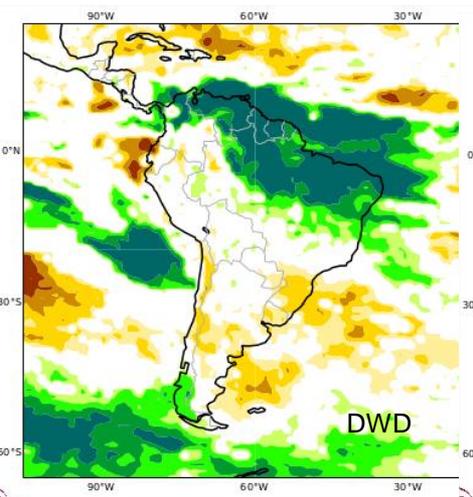
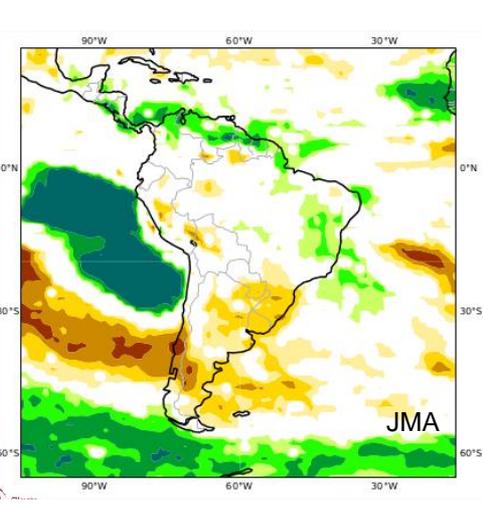
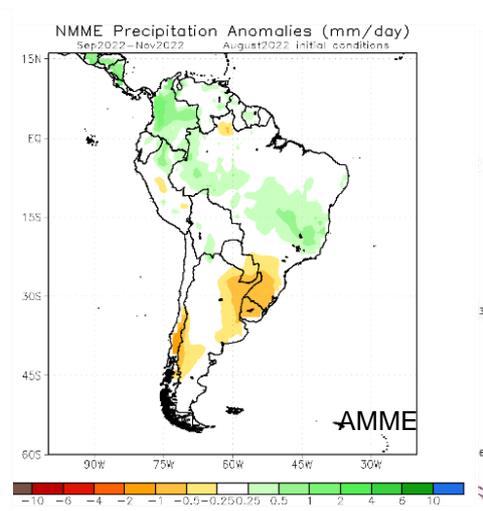
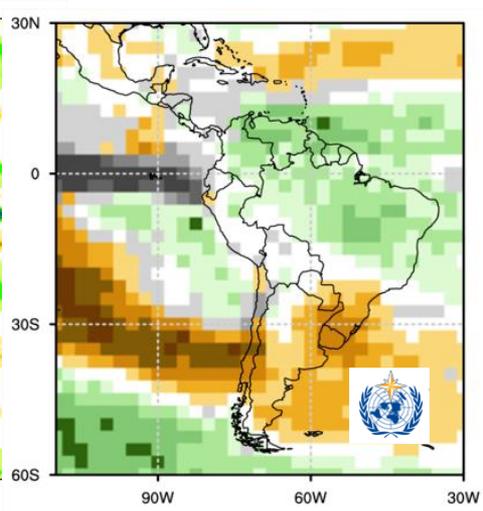
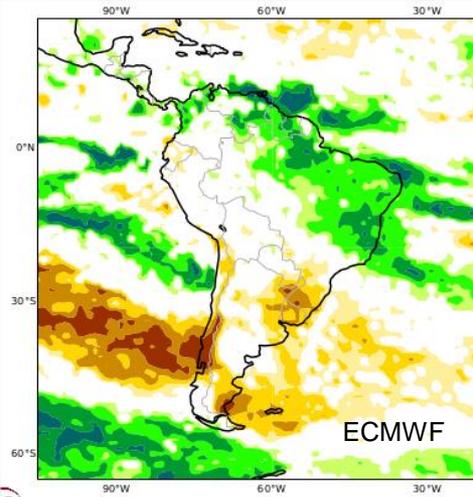
Neutral ENSO: $-0.5\text{ }^{\circ}\text{C}$ to $0.5\text{ }^{\circ}\text{C}$



Status Atual: **La Niña**

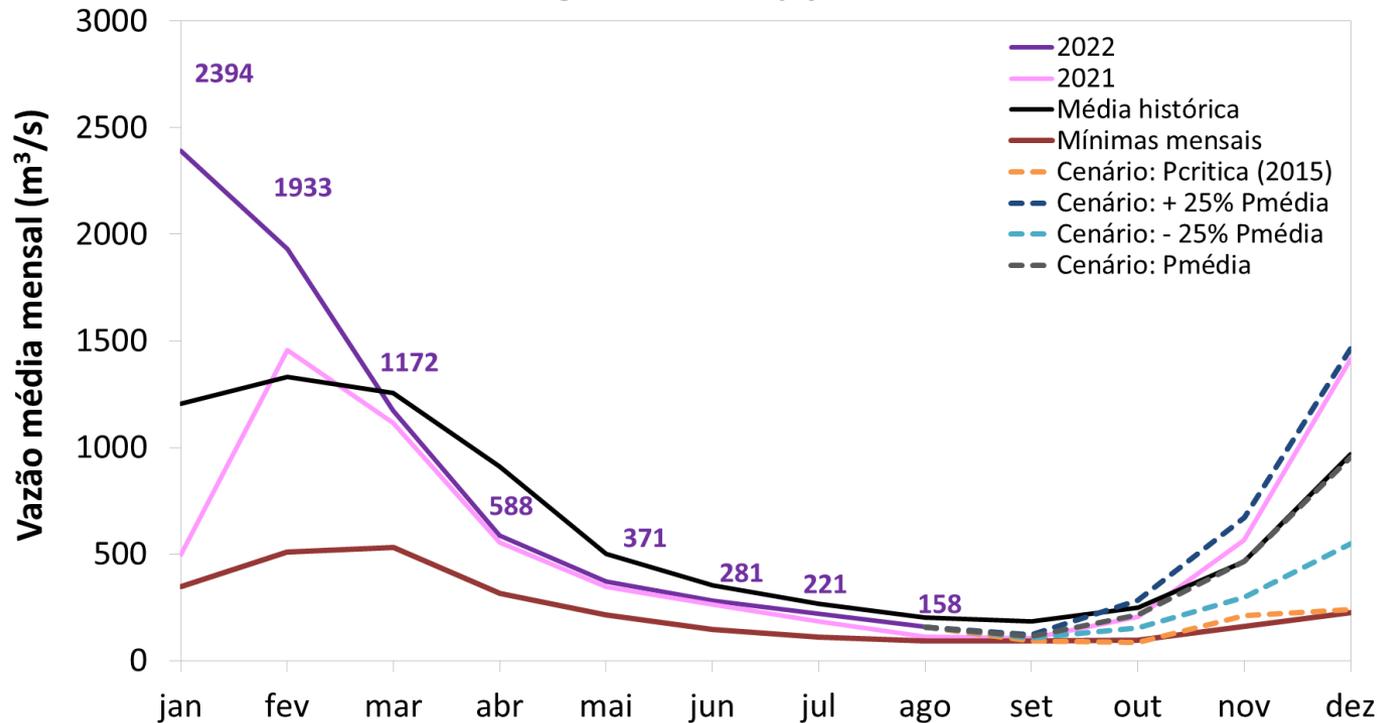
FONTE: NOAA

Previsão sazonal de Chuva SON



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

UHE Serra da Mesa - Rio Tocantins
 Histórico e simulação de vazão natural média mensal
 Previsão: 30/Ago a 08/Set - Projeções: 09/Set a 31/Dez/22



SET-DEZ
MLT: 466 m³/s

Vazão	% MLT
636 m³/s	137%
438 m³/s	94%
277 m³/s	60%
157 m³/s	34%

Média de Longo Termo (MLT): 1983-2021