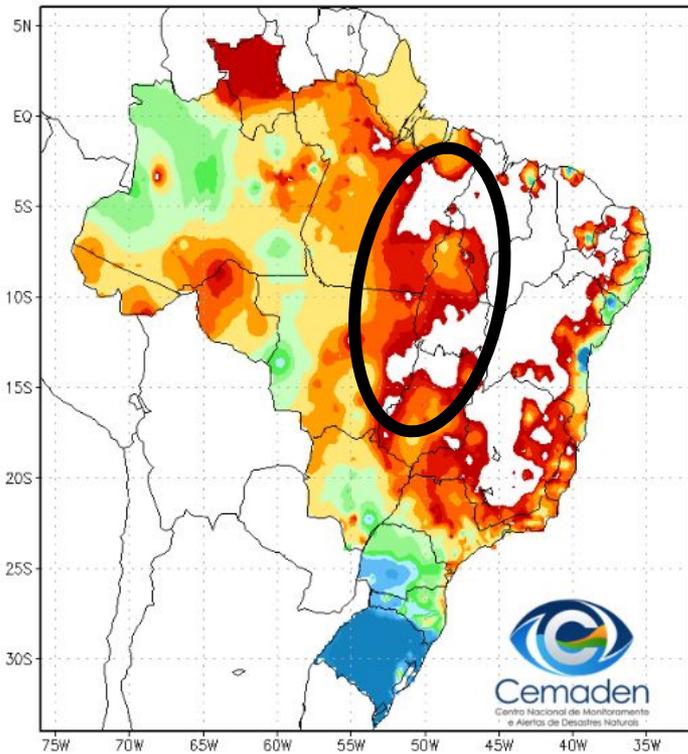


Monitoramento e Previsões para a Bacia do rio Tocantins

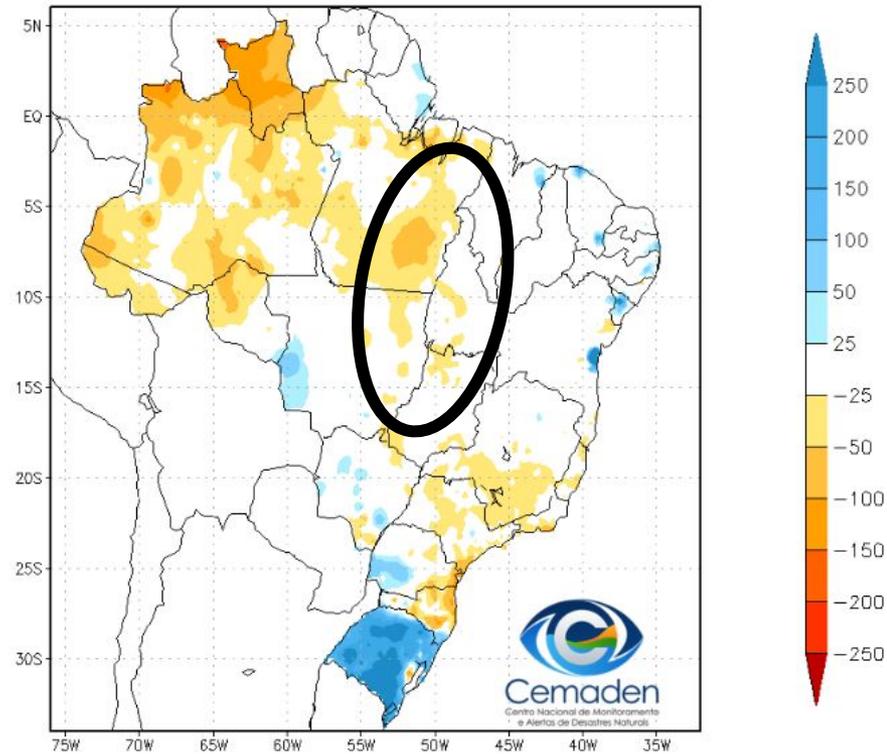


Precipitação acumulada desde o início do mês (SETEMBRO/2023)

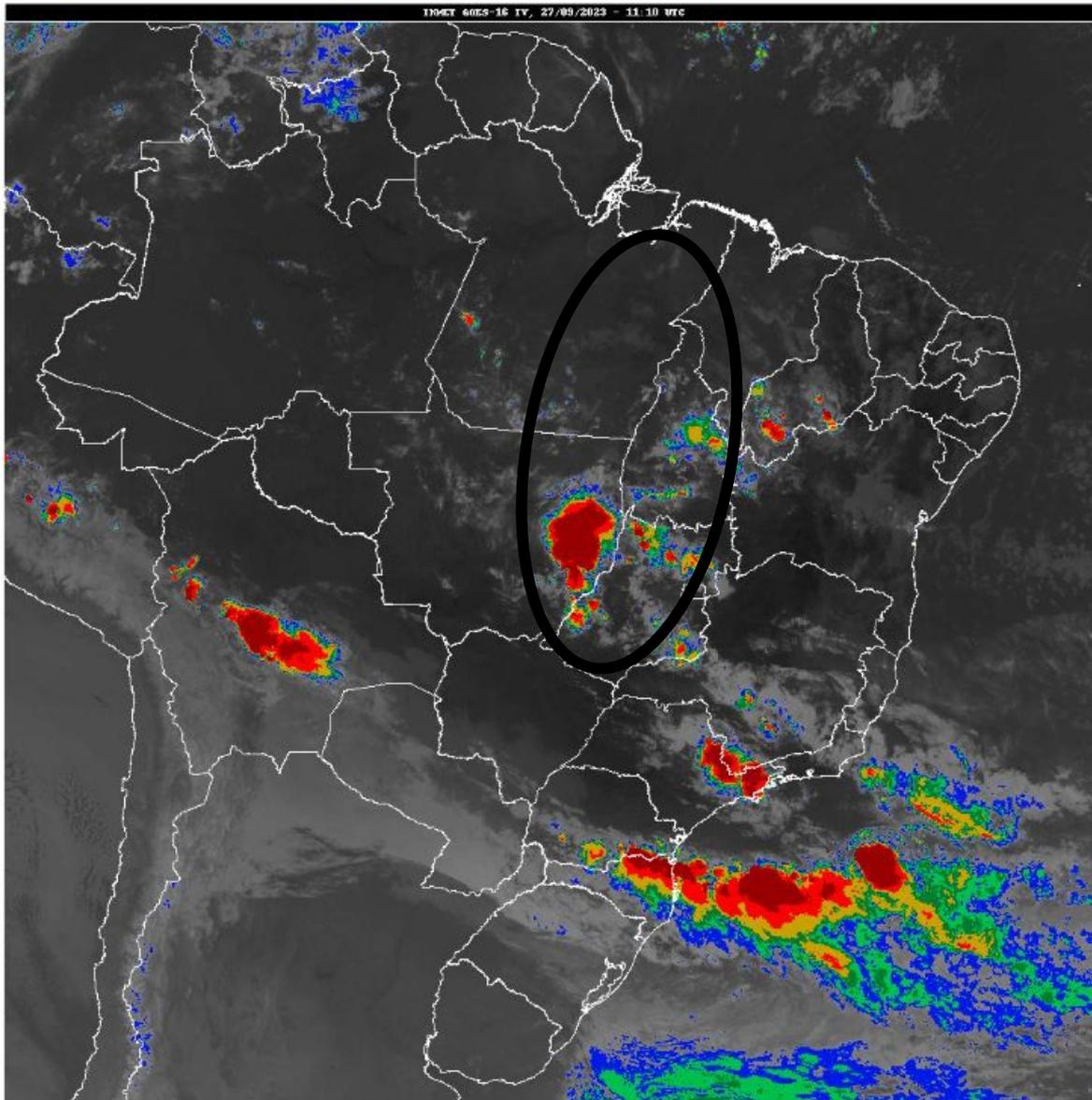
Precipitação Acumulada (mm)
Período: 01/09/2023 a 26/09/2023



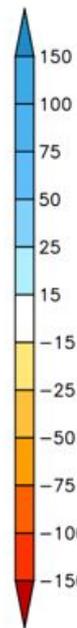
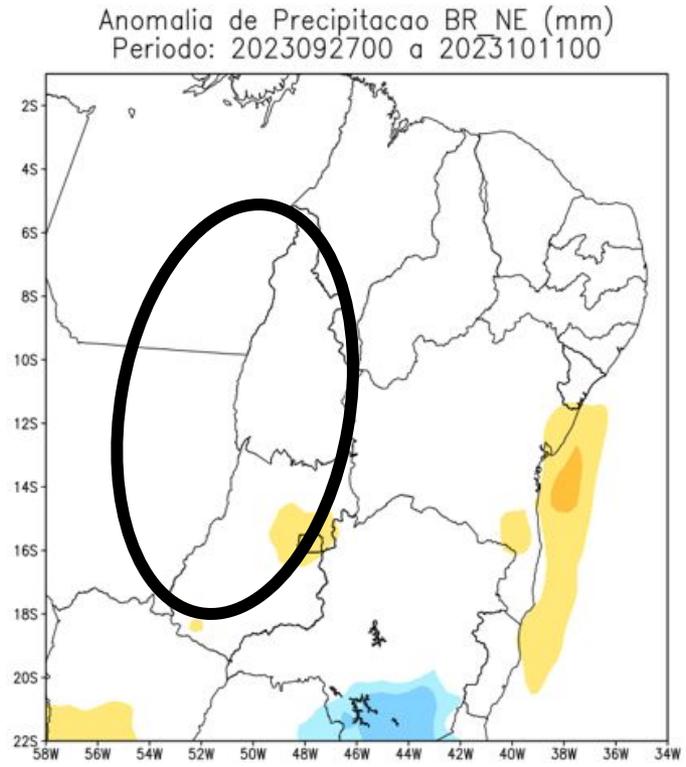
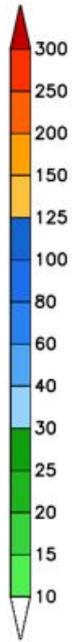
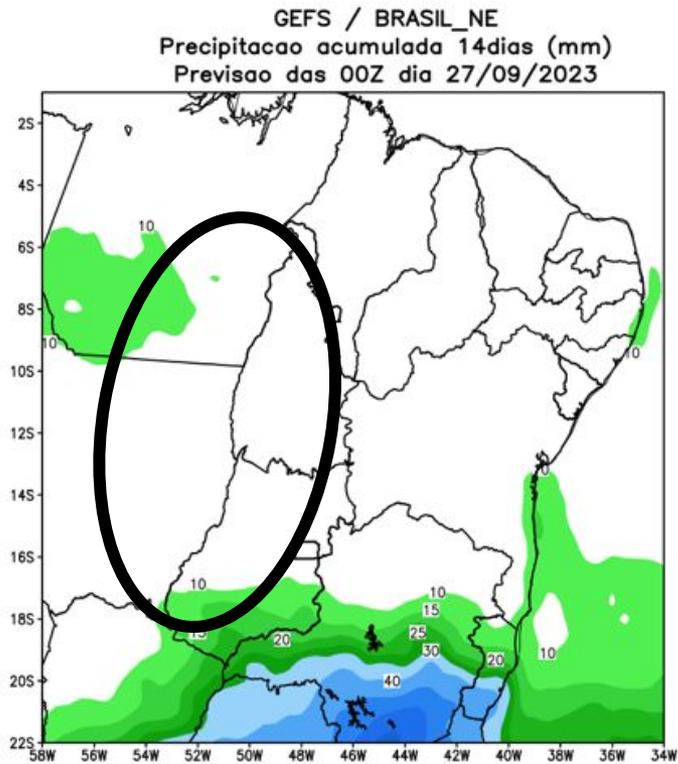
Anomalia de Precipitação (mm)
Período: 01/09/2023 a 26/09/2023



Situação meteorológica atual



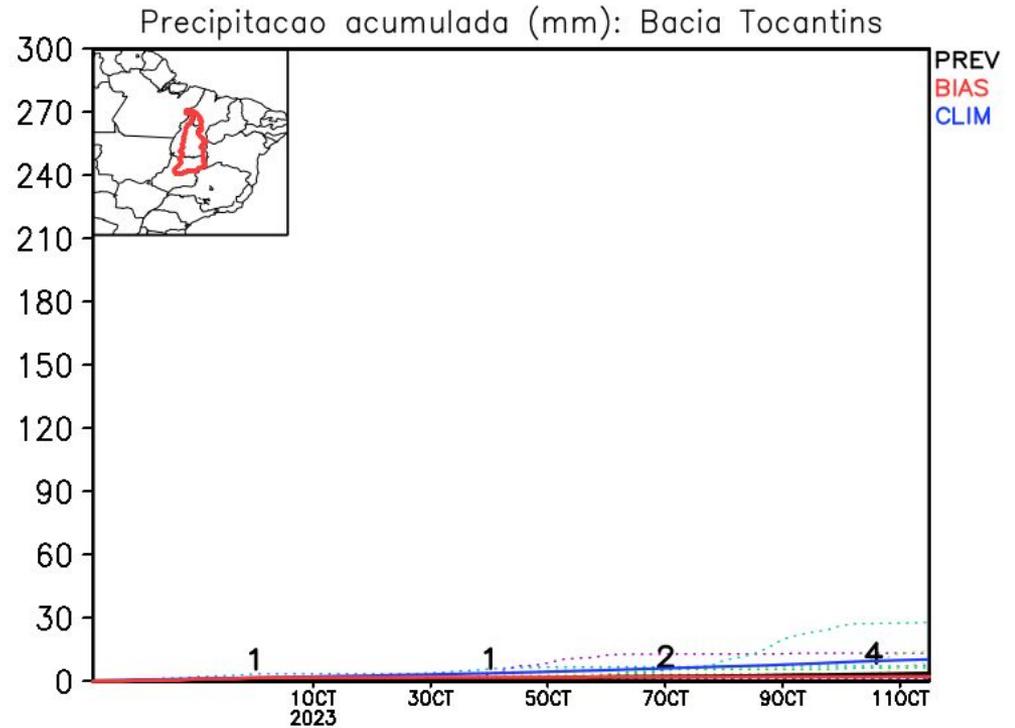
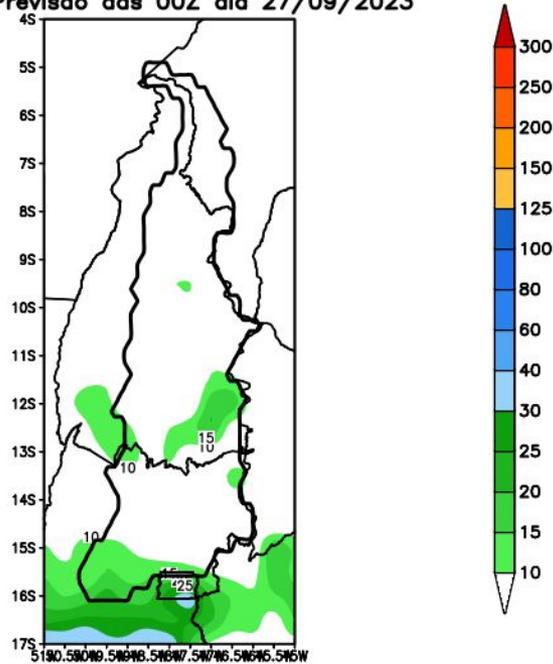
Previsão de chuva próximos 7 dias



Fonte: GFS/NOAA

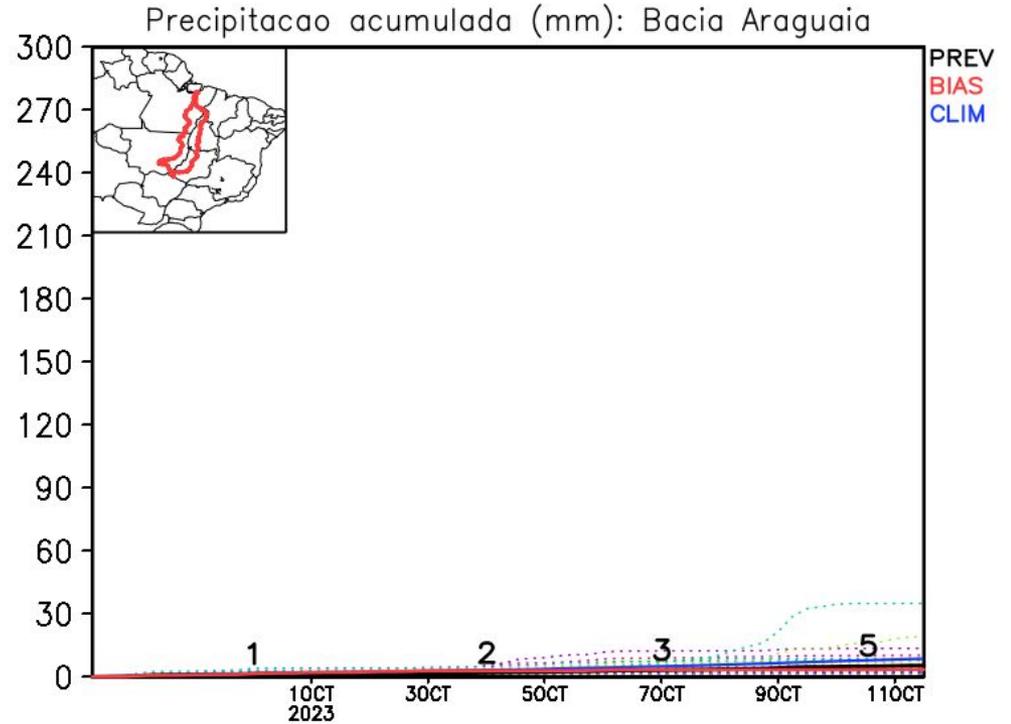
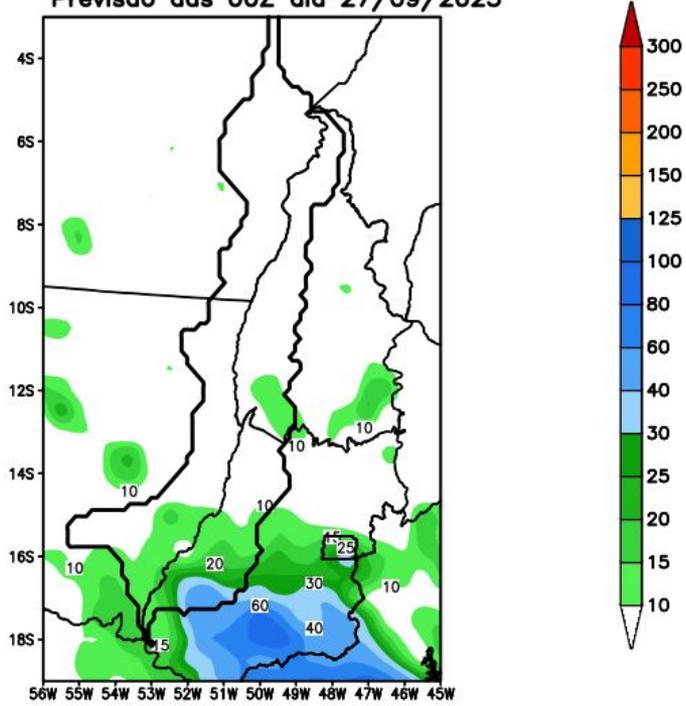
Previsão Bacia Rio Tocantins

GEFS_BC / Bacia Tocantins
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 27/09/2023



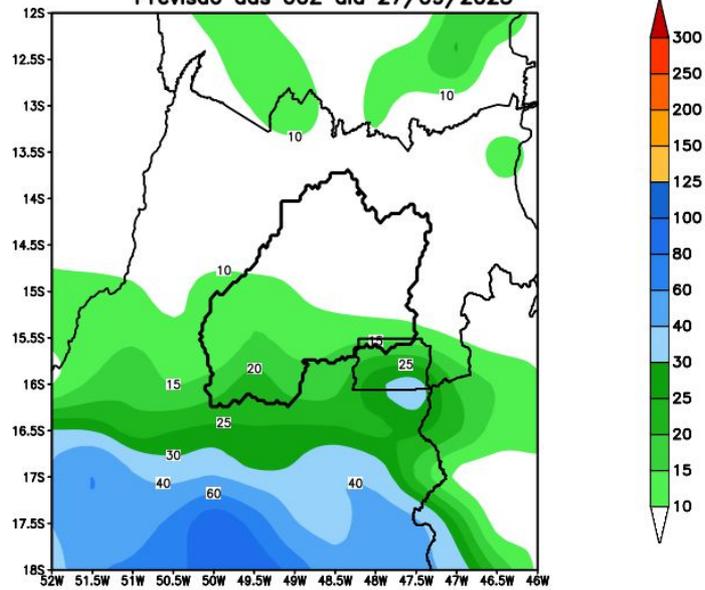
Previsão Bacia Rio Araguaia

GEFS_BC / Bacia do Rio Araguaia
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 27/09/2023

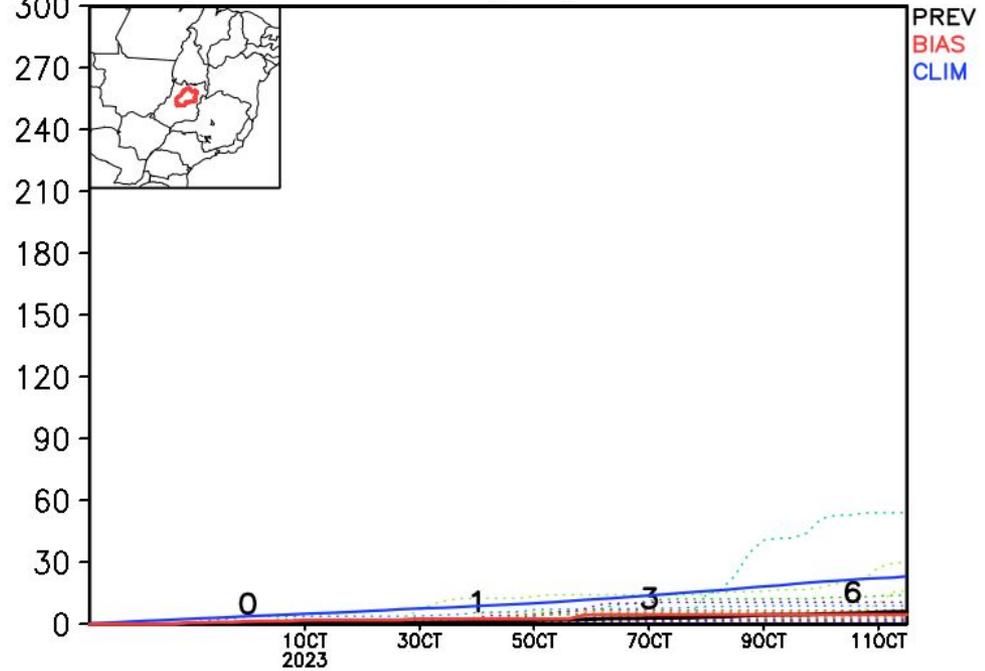


Previsão Bacia Serra da Mesa

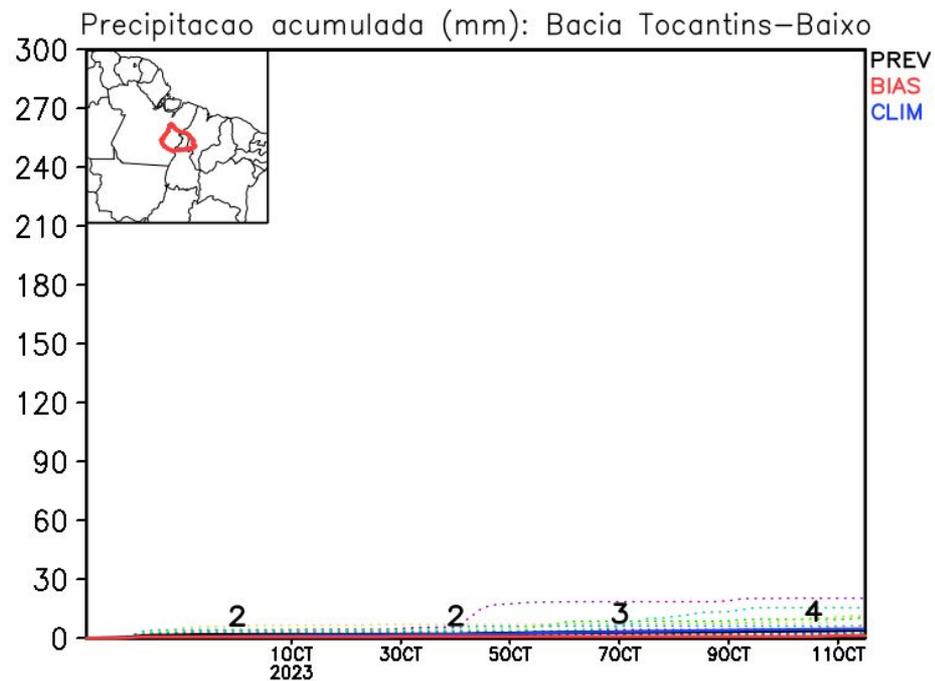
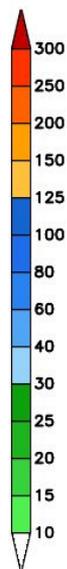
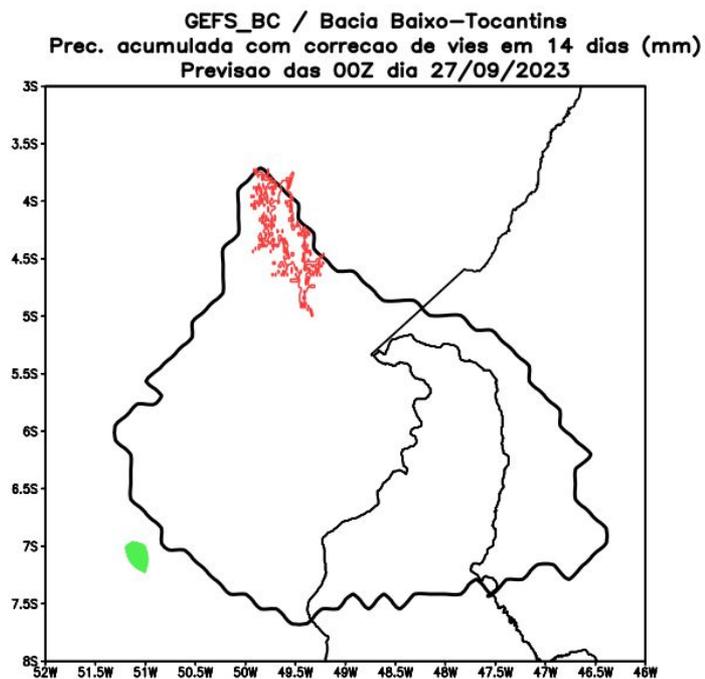
GEFS_BC / Bacia Serra da Mesa
Prec. acumulada com correcao de vies em 14 dias (mm)
Previsao das 00Z dia 27/09/2023



Precipitacao acumulada (mm): Bacia SerradaMesa

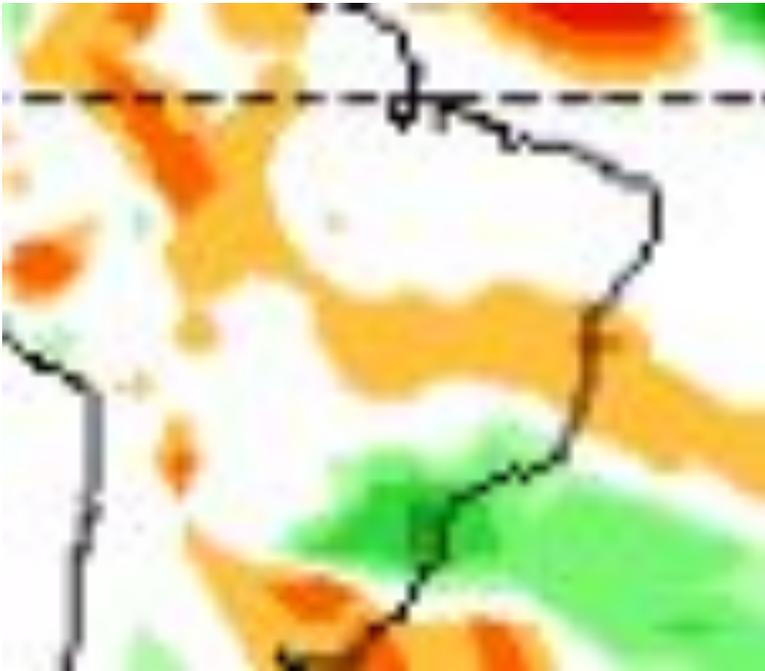


Previsão Bacia Tocantins-Araguaia (Baixo)

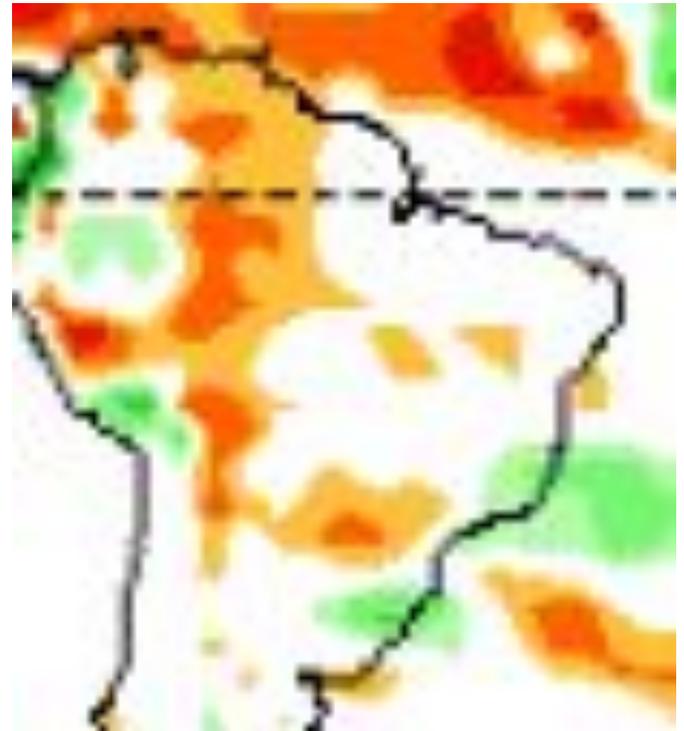


Tendência 3a e 4a semanas

11 - 17 OUTUBRO

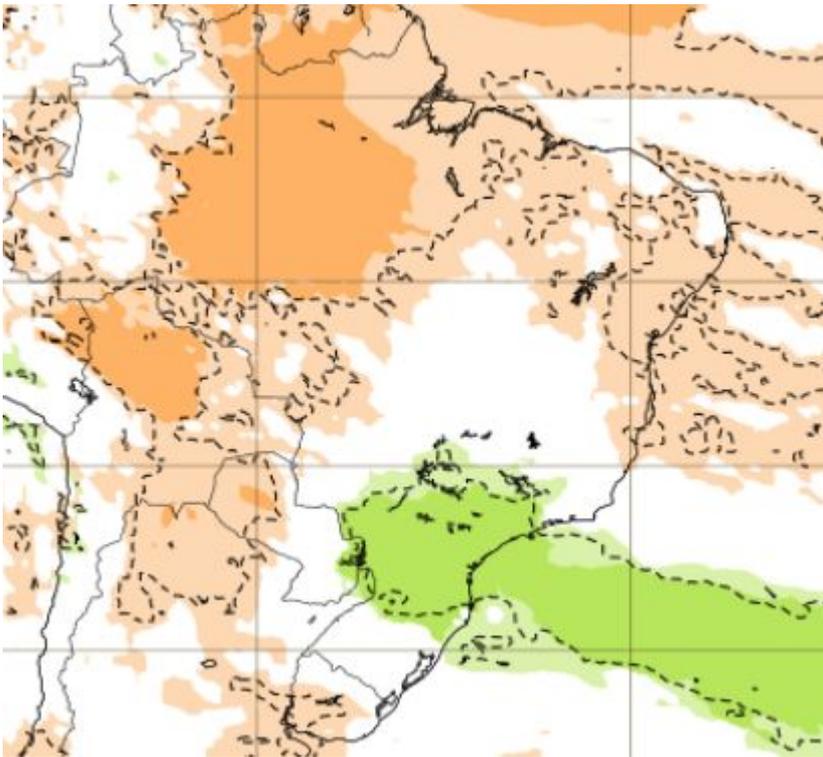


18 - 24 OUTUBRO

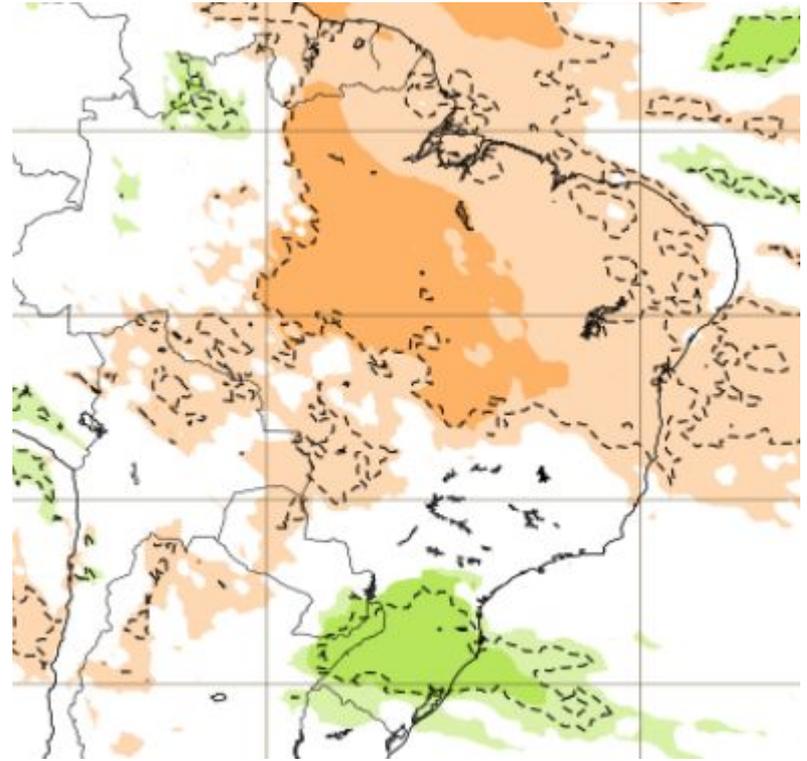


Tendência para 3ª e 4ª semanas

09-15 OUTUBRO

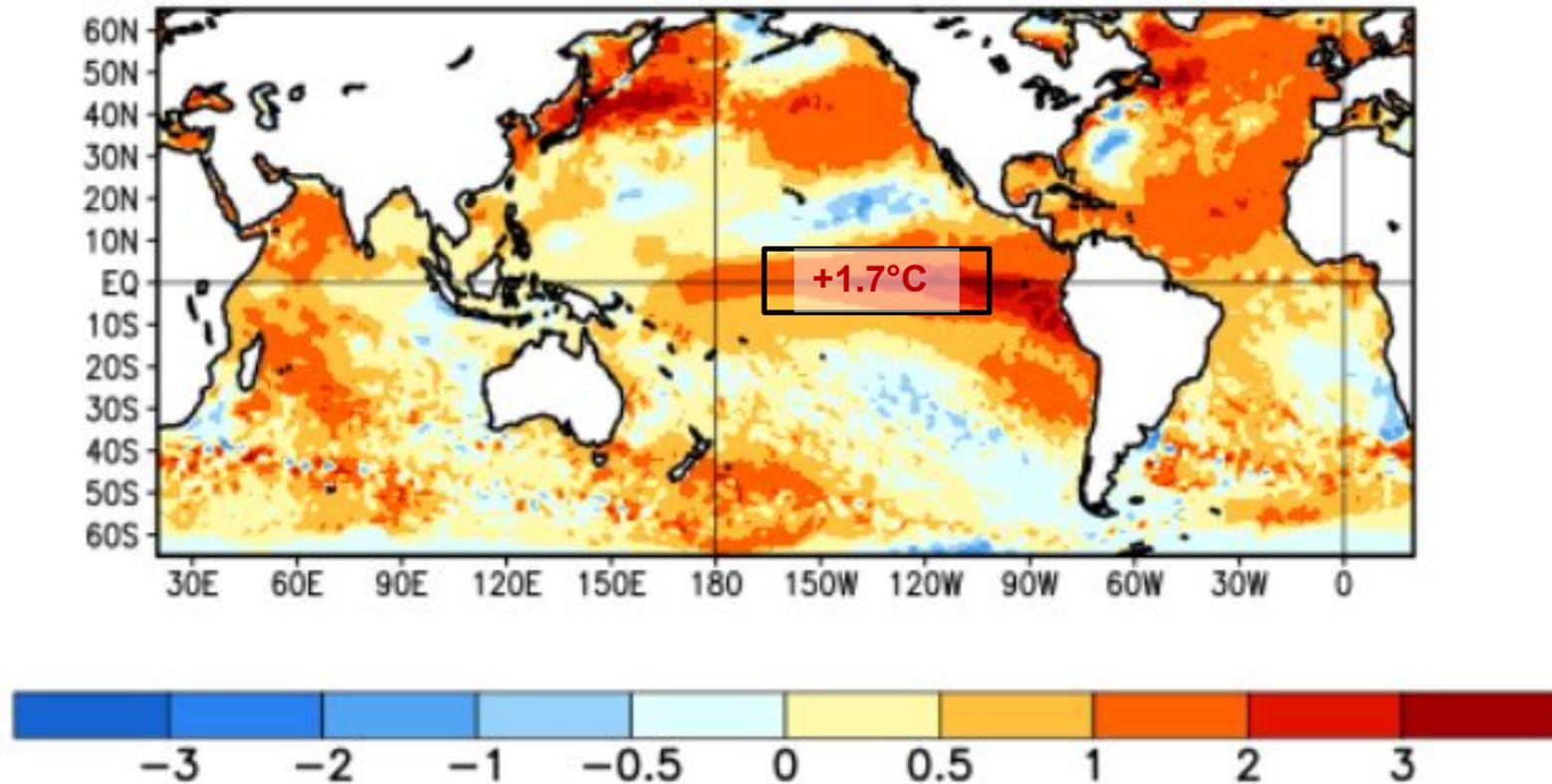


16-23 OUTUBRO



Status Atual: **El Niño**

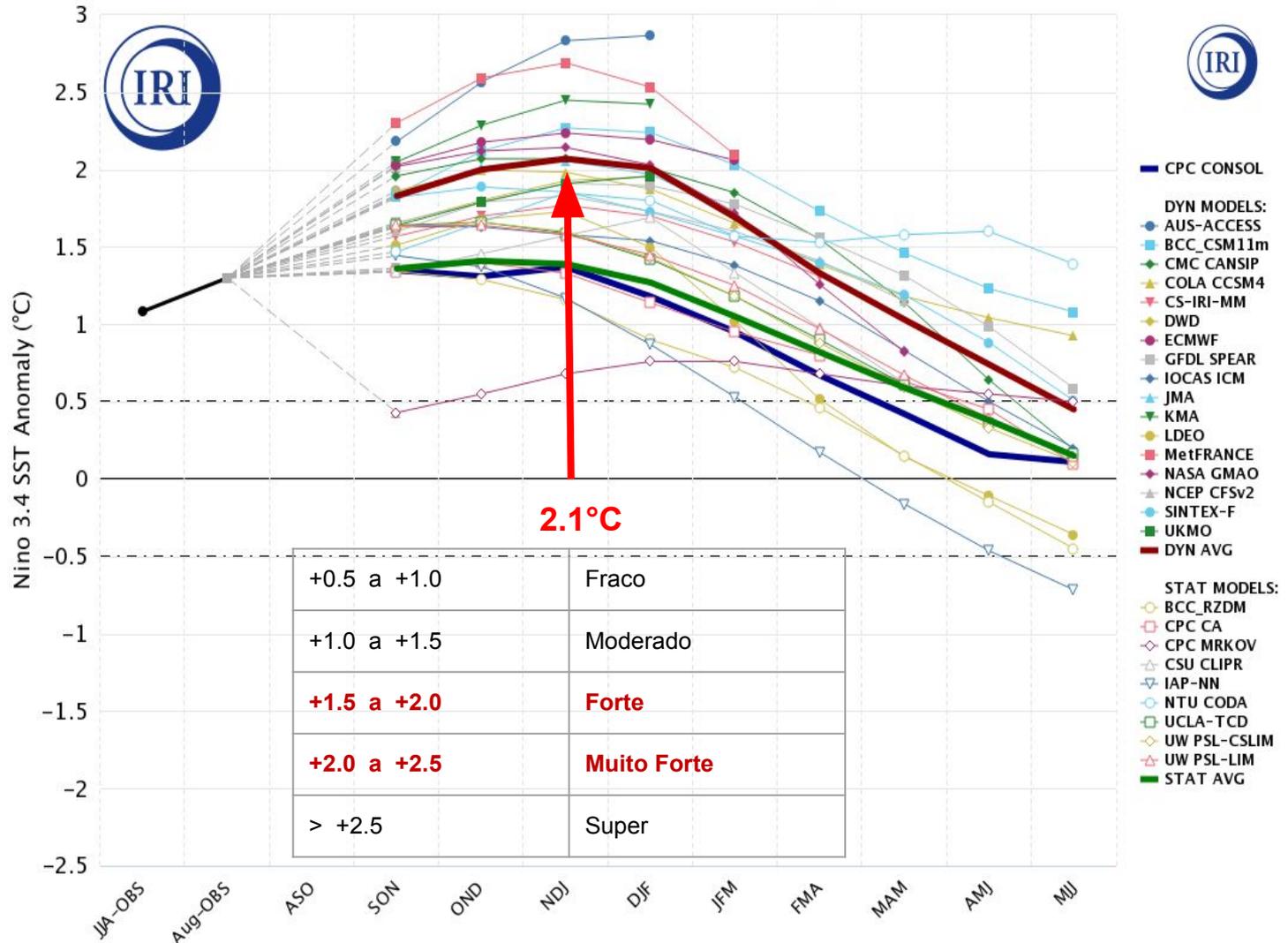
Average SST Anomalies
27 AUG 2023 – 23 SEP 2023



Previsão do “ENSO”

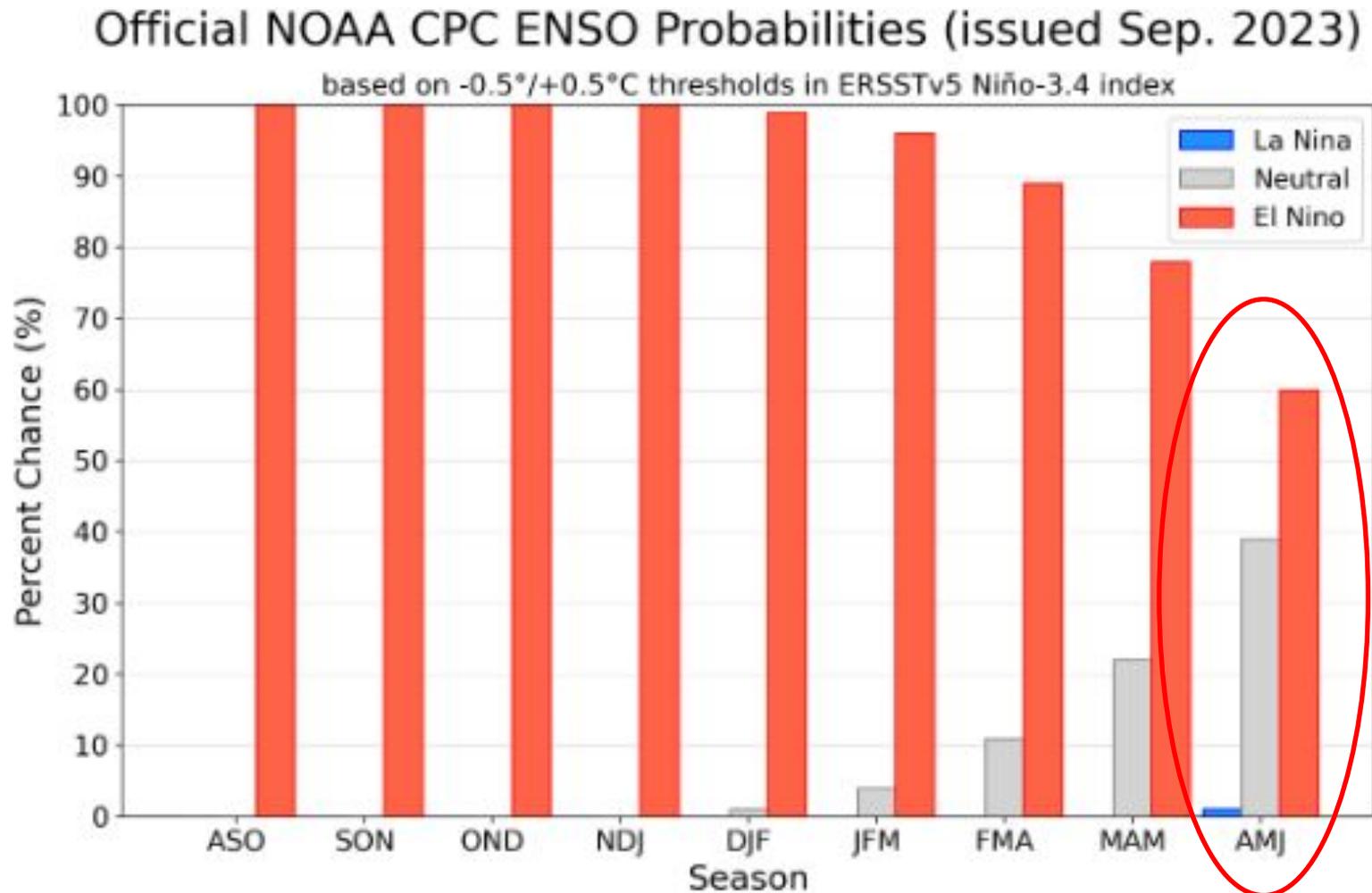
Forte/Muito Forte

Model Predictions of ENSO from Sep 2023



Atualizado 25 de setembro

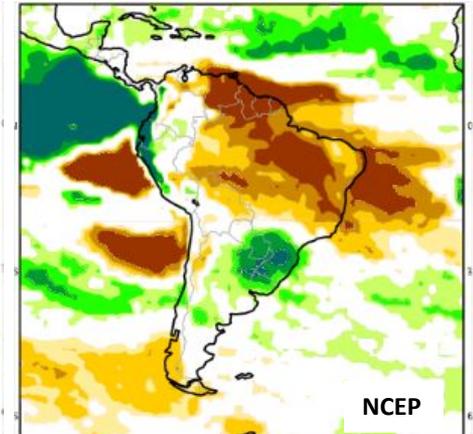
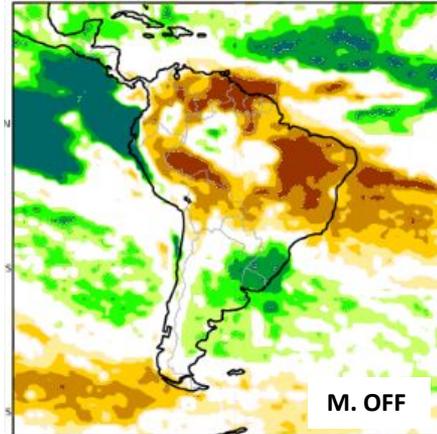
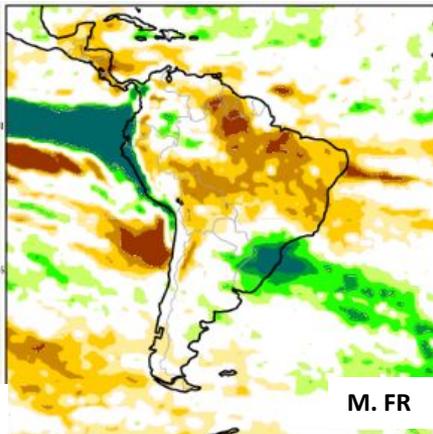
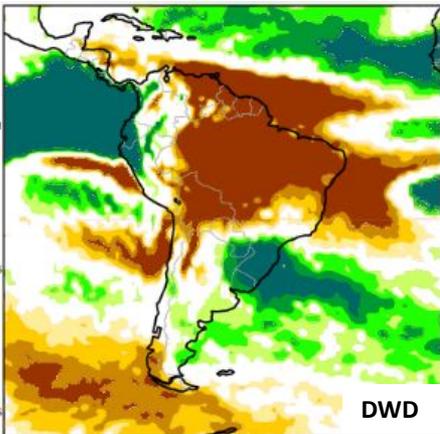
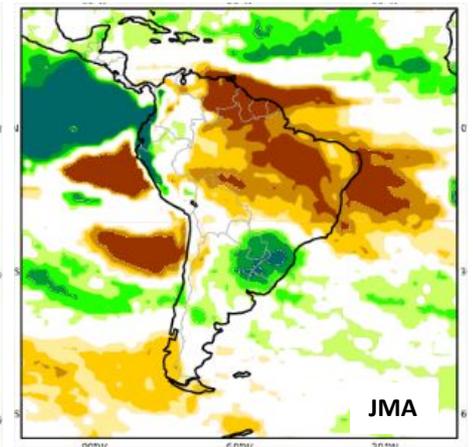
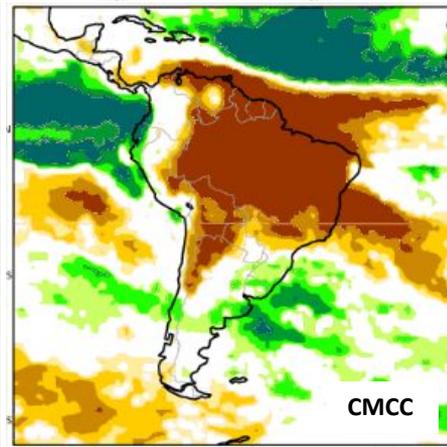
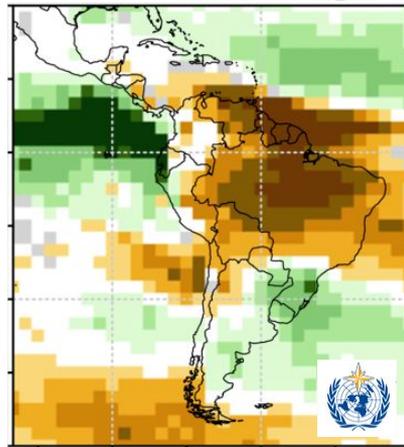
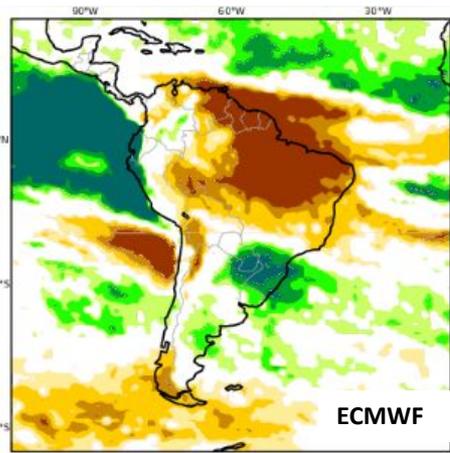
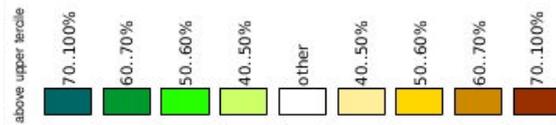
Previsão do “ENSO”



Status Atual: **El Niño**

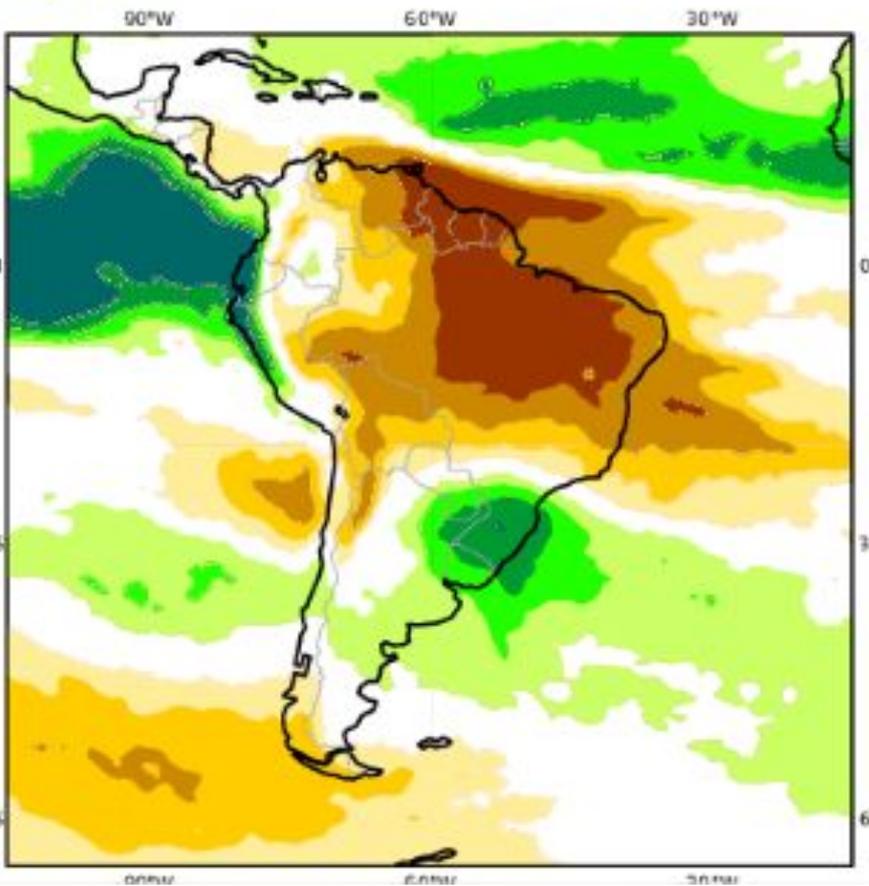
FONTE: NOAA

Previsão Sazonal de Chuva OND

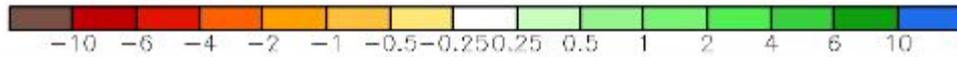
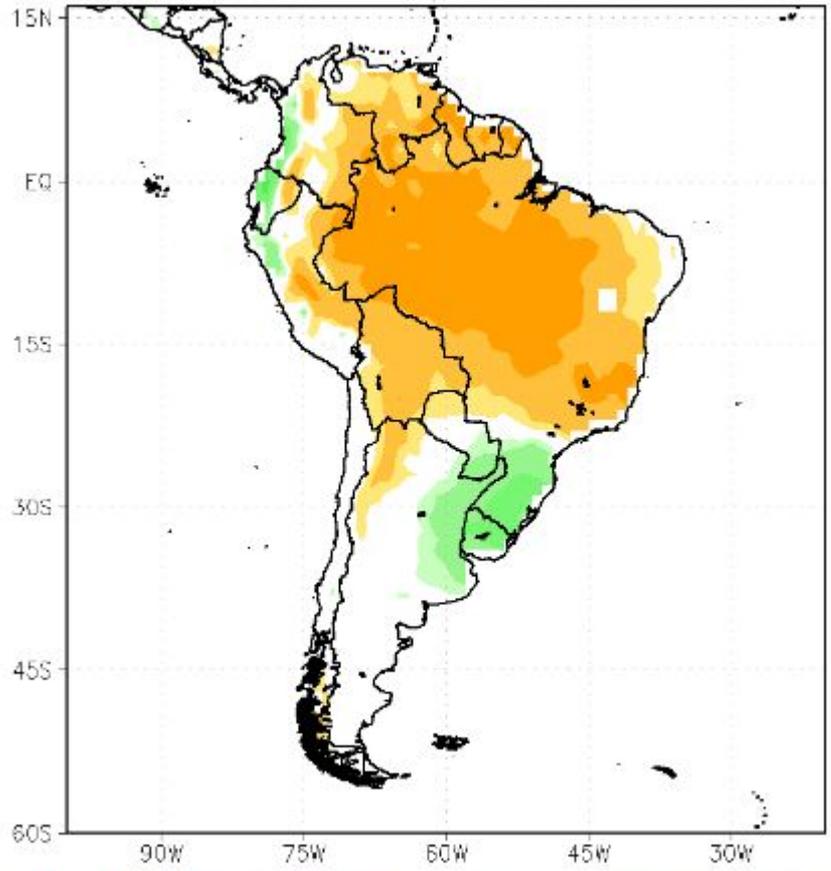


Previsão Multi Modelo OND

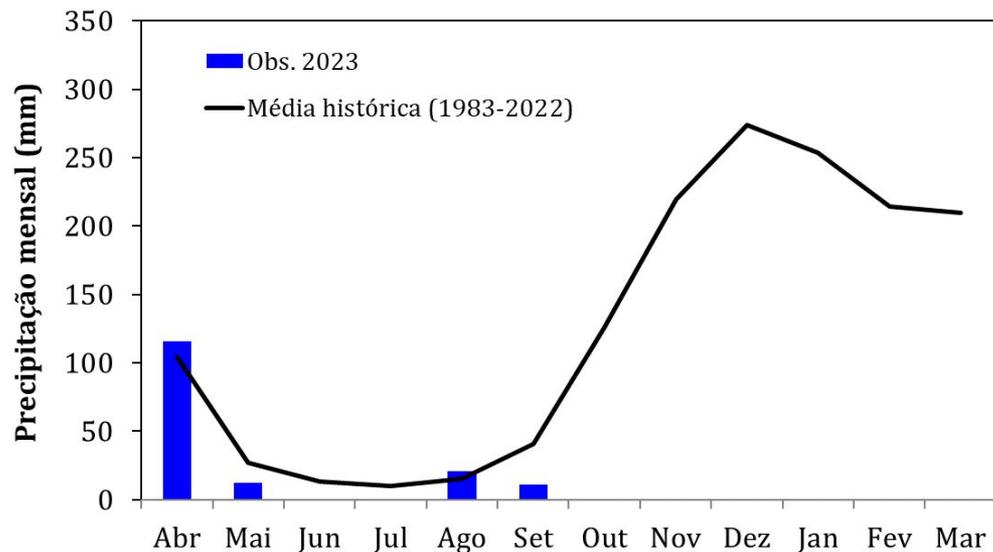
C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/09/23
Unweighted mean



NMME Precipitation Anomalies (mm/day)
Oct2023–Dec2023 September2023 initial conditions



Monitoramento UHE Serra da Mesa



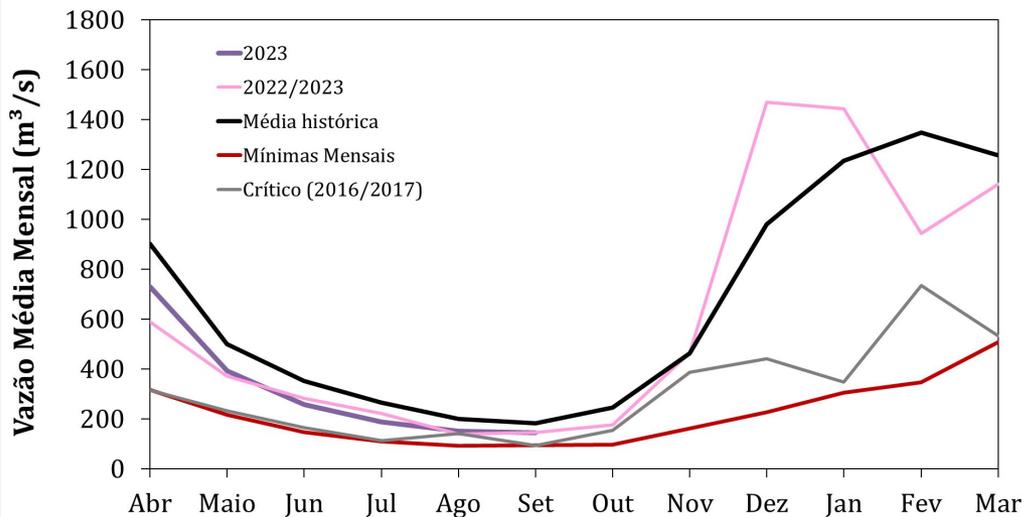
Precipitação

Estação Chuvosa - Out a Abr – 1402 mm
 2021/2022: 1473 mm (**105% da média histórica**)
 2022/2023: 1358 mm (**97% da média histórica**)

Estação Seca - Maio a Set – 106 mm
 2022: 54 mm (**51% da média histórica**)
 2023*: 44 mm (**42% da média histórica**)

Set/2023*: 11 mm (Média histórica = 41 mm)

*Até 25/09/2023



Vazão

Estação Chuvosa - Out a Abr – 918 m³/s
 2021/2022: 1184 m³/s (**129% da MLT**)
 2022/2023: 909 m³/s (**99% da MLT**)

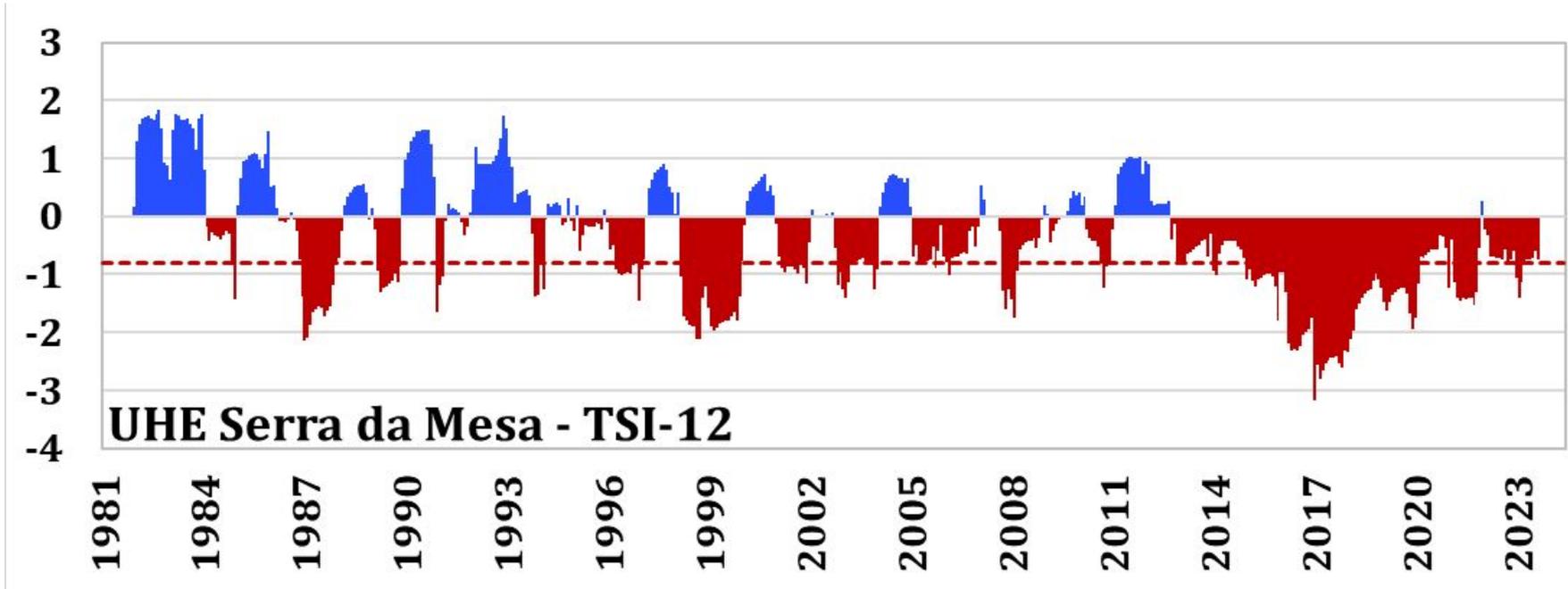
Estação Seca - Maio a Set – 300 m³/s
 2022: 231 m³/s (**77% da MLT**)
 2023*: 227 m³/s (**76% da MLT**)

Setembro/2023*: 144 m³/s (79% da MLT)
25/Set/2023: 100 m³/s (55% da MLT)

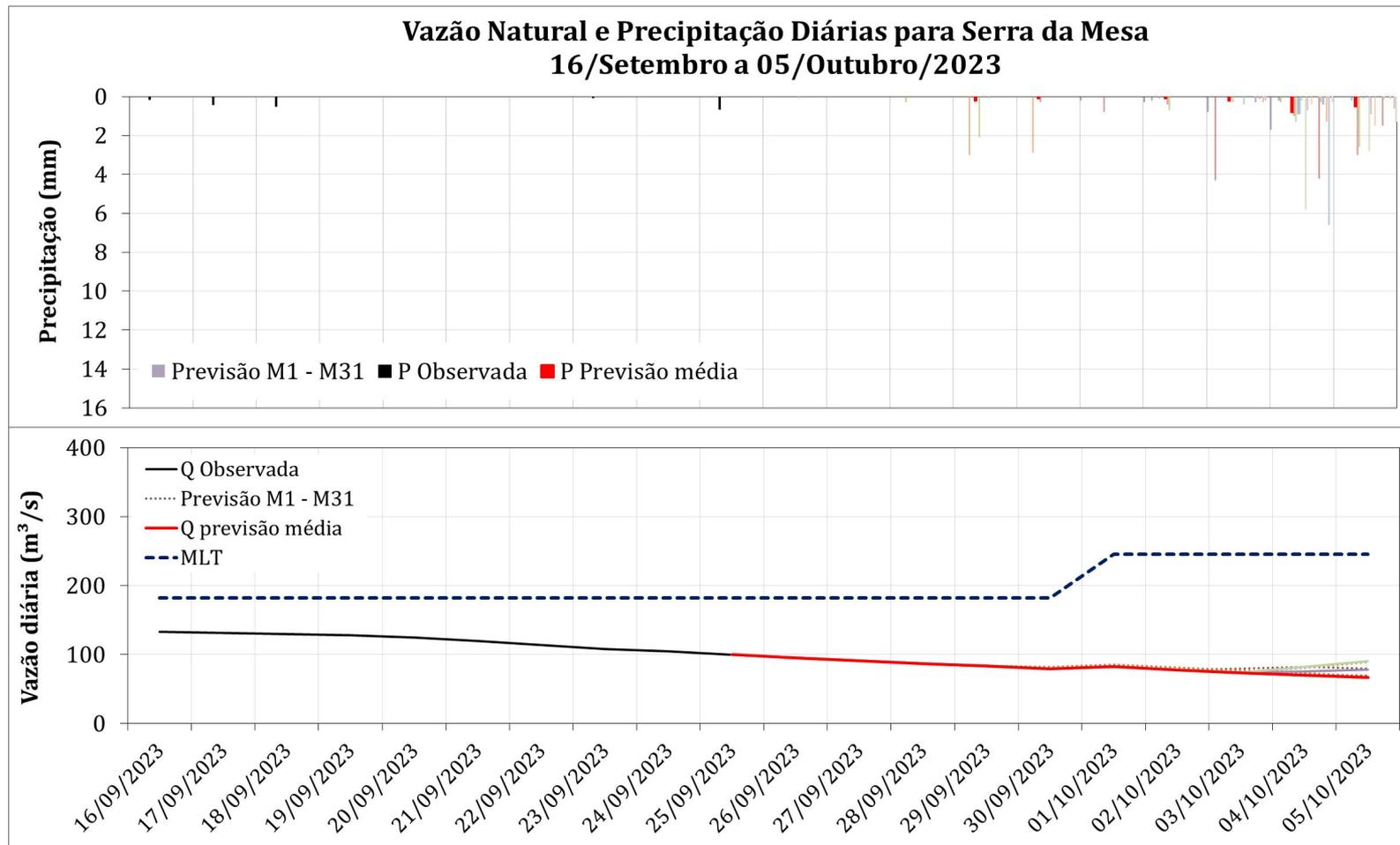
*Até 25/09/2023

Seca Hidrológica Fraca

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



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



Dados **observados de precipitação** (barras pretas) para o período 16 a 25/09/23 e **previsão** para o período de 26/09 a 05/10/23.

Dados **observados de vazão** (linha preta) para o período 16 a 25/09/23 e **previsão** para o período de 26/09 a 05/10/23.

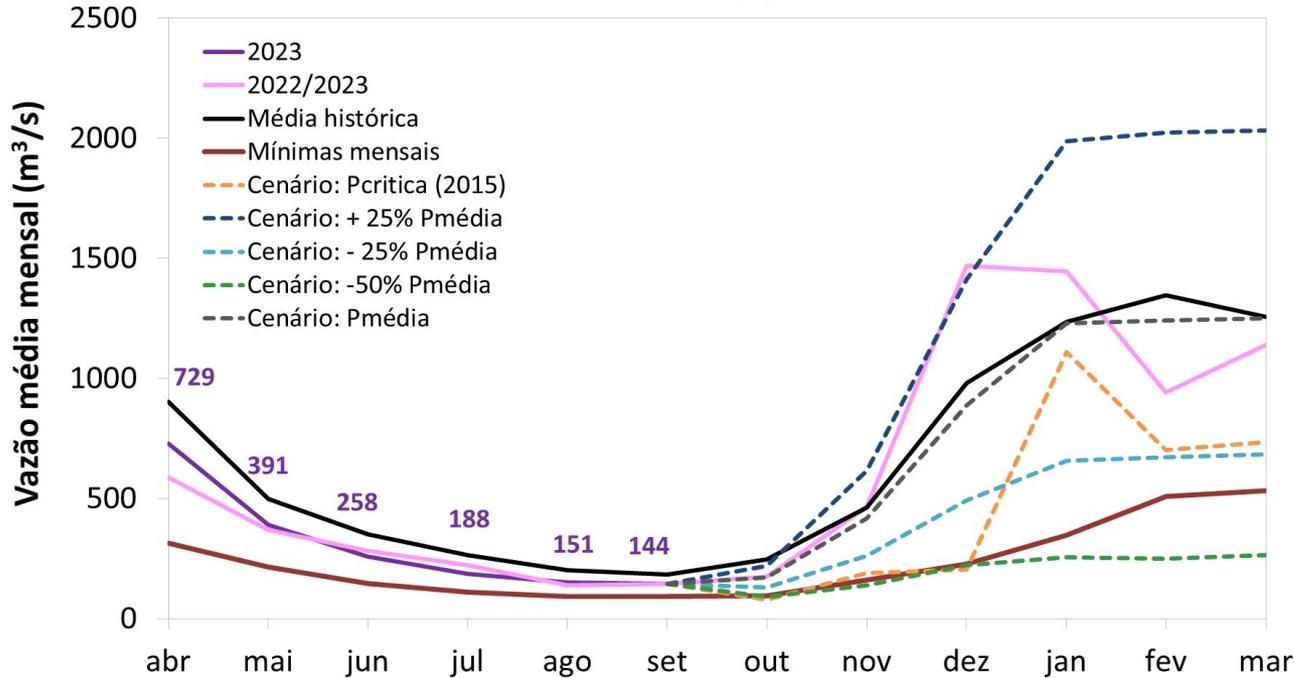
As barras coloridas correspondem às previsões da chuva para os 31 membros GEFS/NOAA e à média destes membros.

As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 81 m³/s

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

Previsão: 26/ Set a 05/Out - Projeções: 06/Out/23 a 31/Mar/24



Outubro - Março
MLT: 921 m³/s

| Vazão | % |
|------------------|-----------------|
| 1381 m³/s | MLT 150% |
| 867 m³/s | 94% |
| 483 m³/s | 52% |
| 203 m³/s | 22% |
| 503 m³/s | 55% |