

Monitoramento, Previsões e Projeções para a Bacia do Rio São Francisco

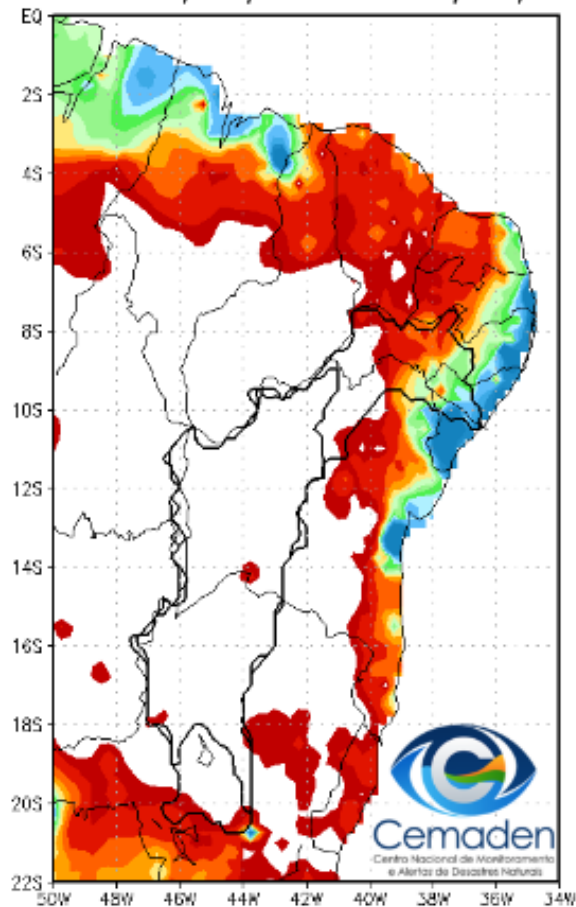


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

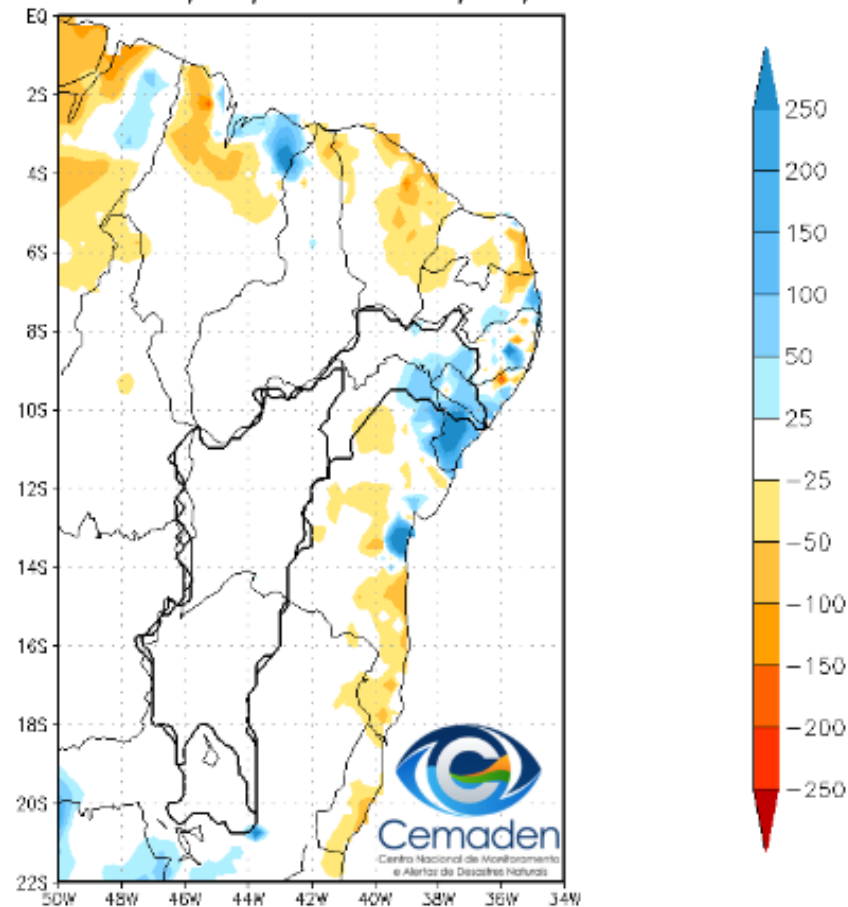
04 de Julho de 2023

Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 29/05/2023 a 28/06/2023

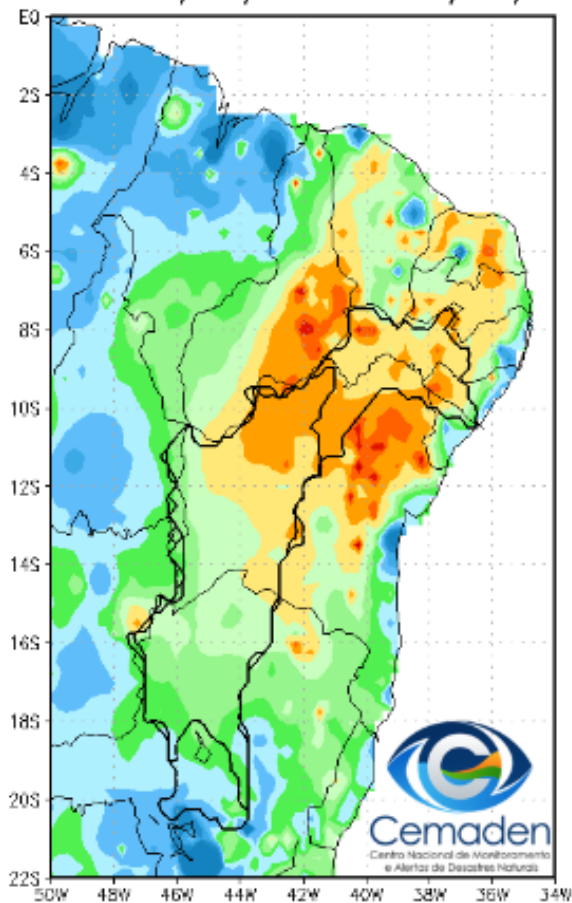


Anomalia de Precipitacao (mm) A.S.
Período: 29/05/2023 a 28/06/2023

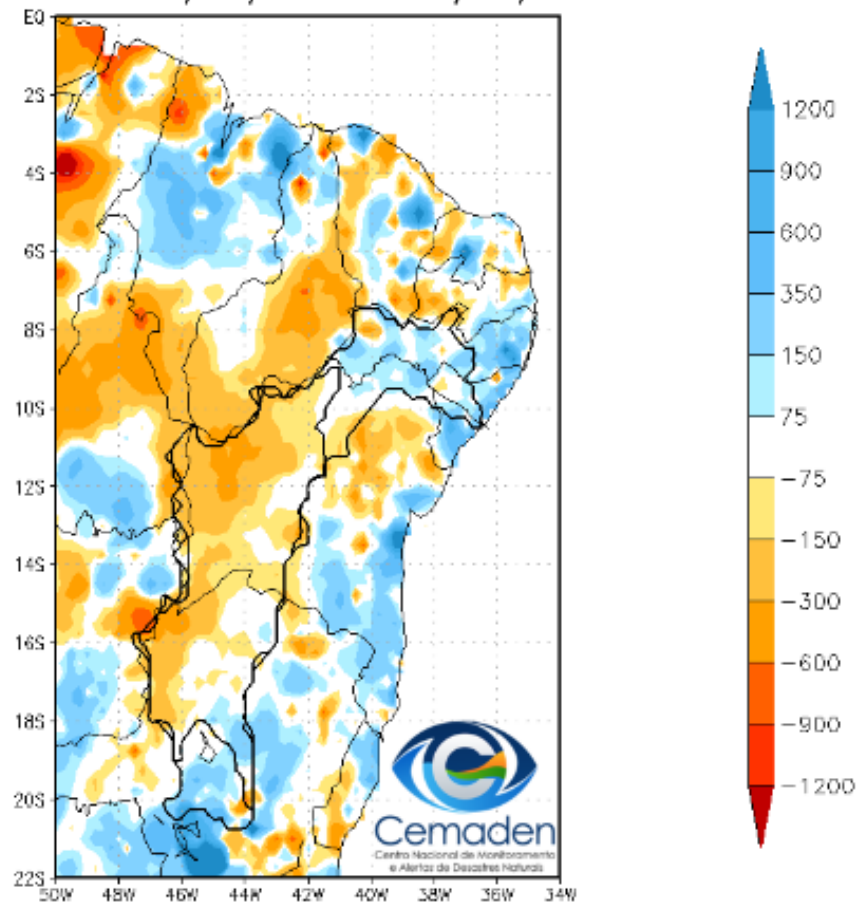


Chuva no Ano Hidrológico - desde 01/10/2022

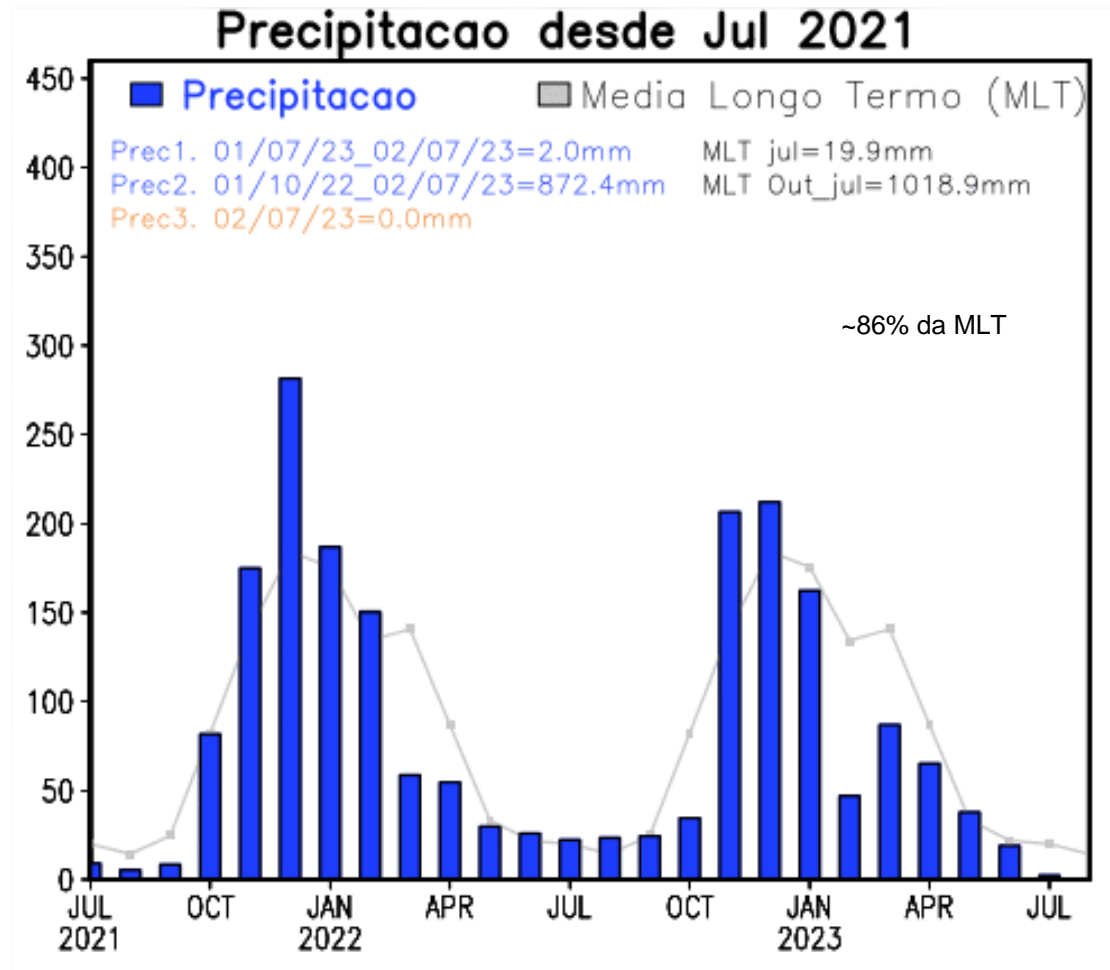
Precipitacao Acumulada (mm) A.S.
Período: 01/10/2022 a 28/06/2023



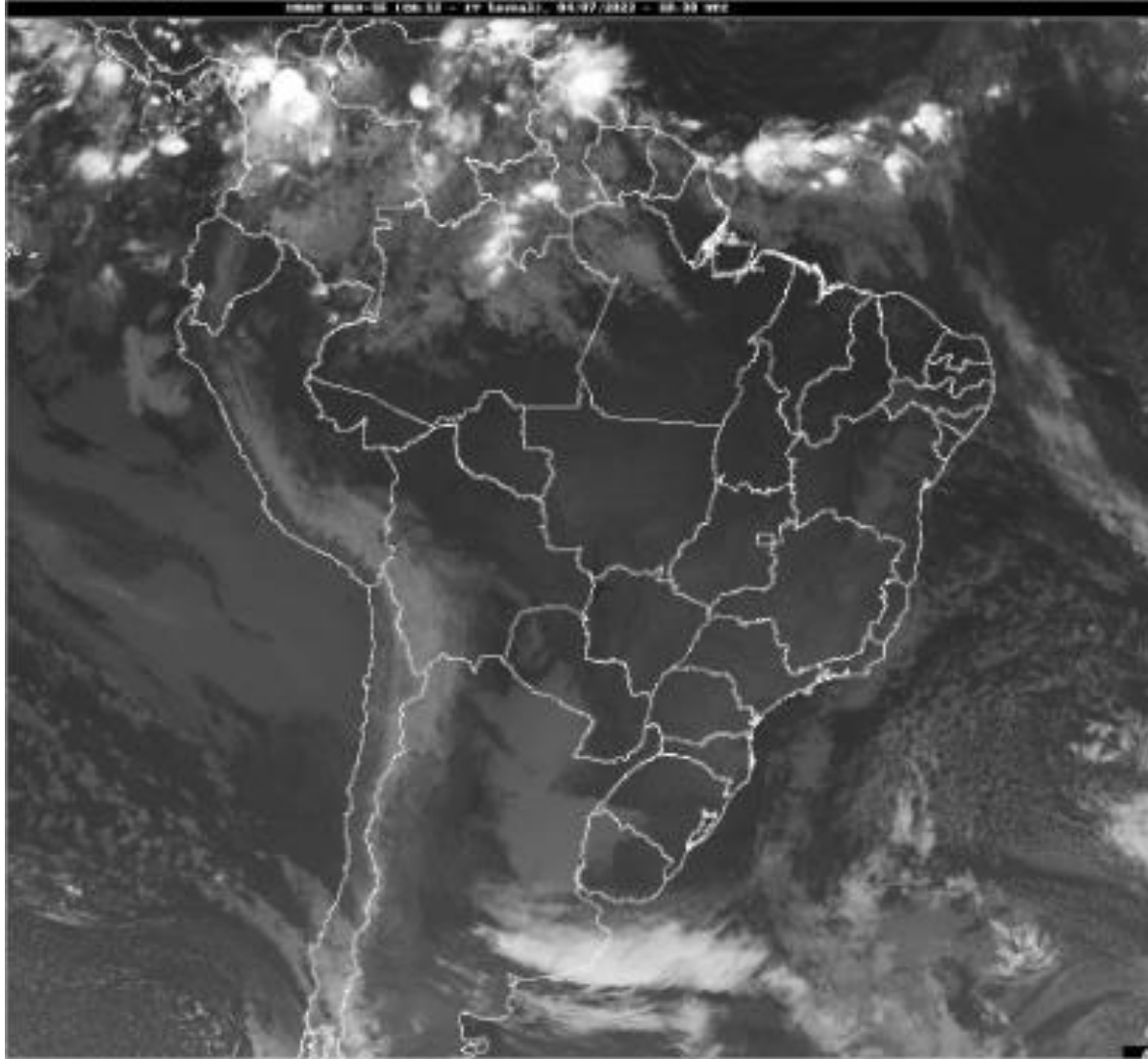
Anomalia de Precipitacao (mm) A.S.
Período: 01/10/2022 a 28/06/2023



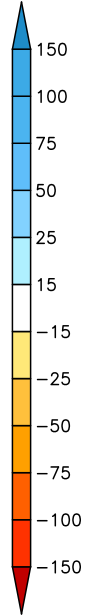
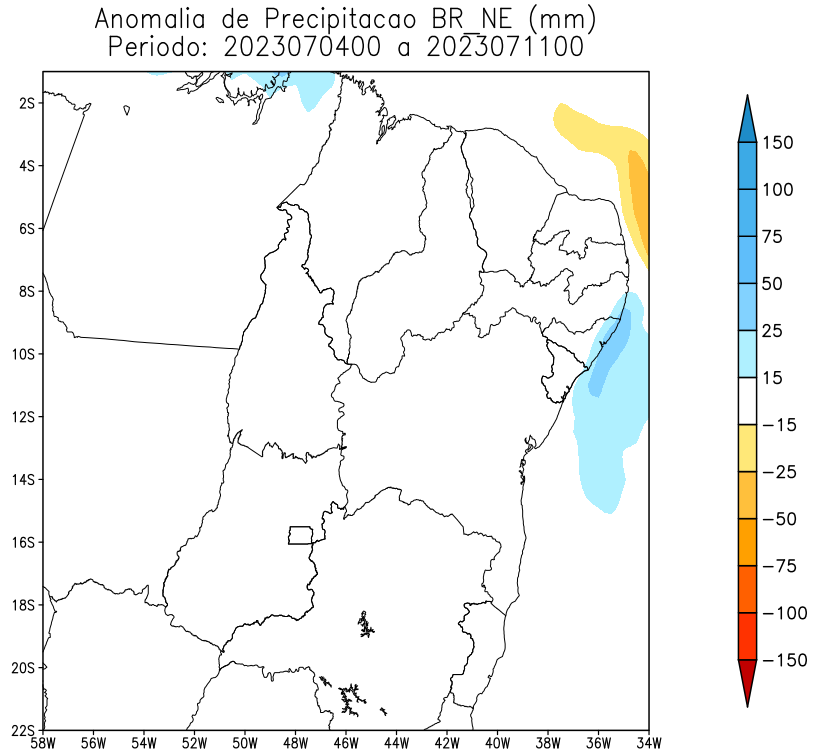
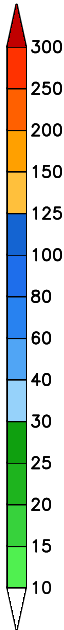
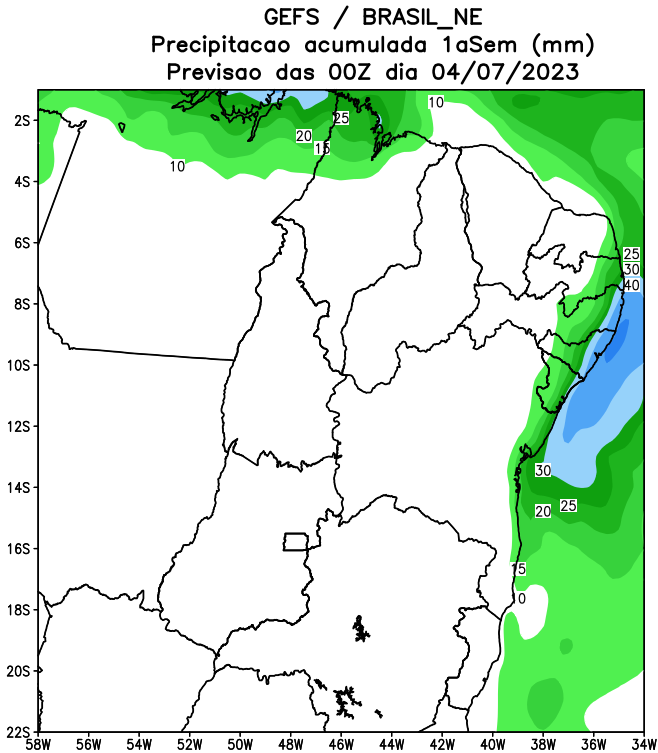
Bacia do rio São Francisco



Situação meteorológica atual



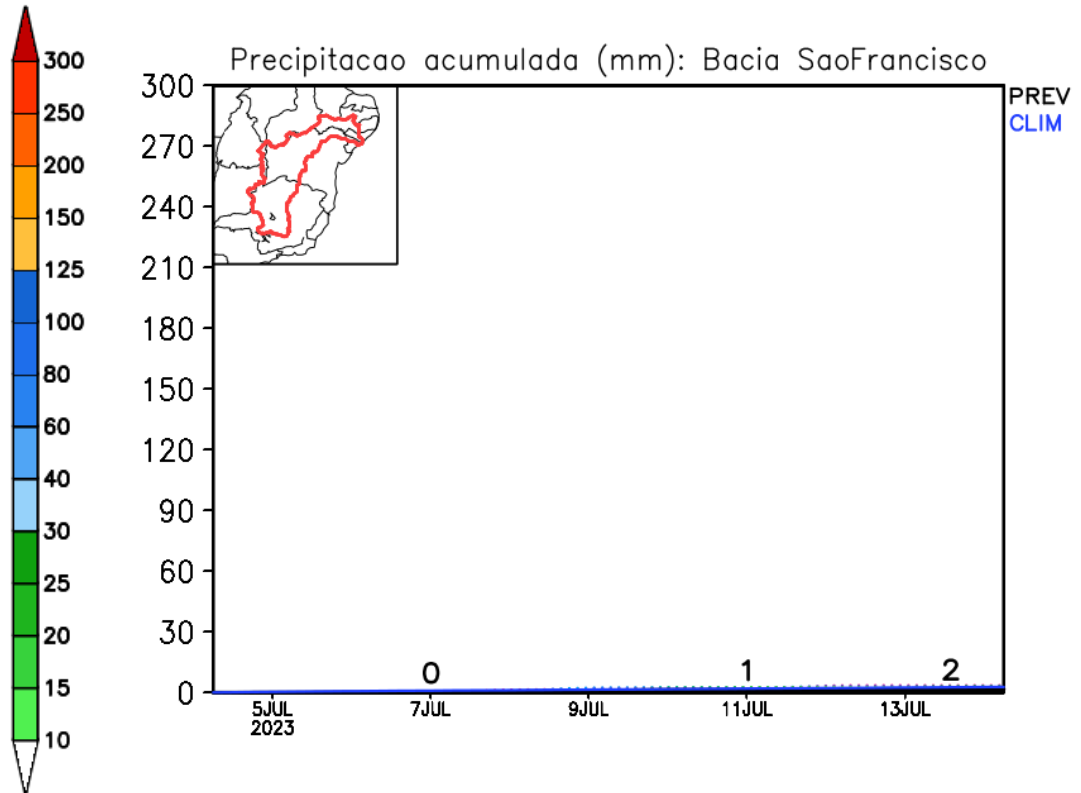
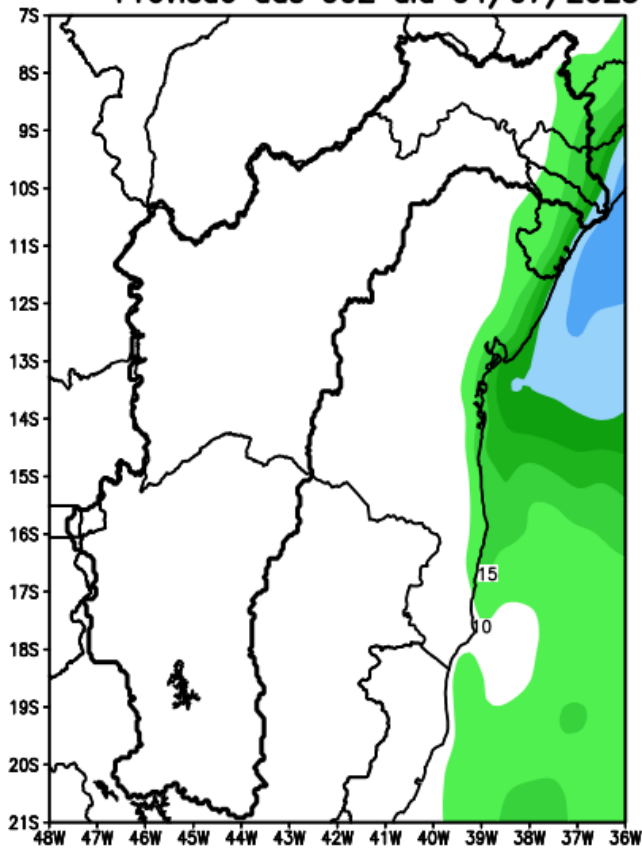
Previsão de chuva próximos 7 dias



Fonte: GEFS/NOAA

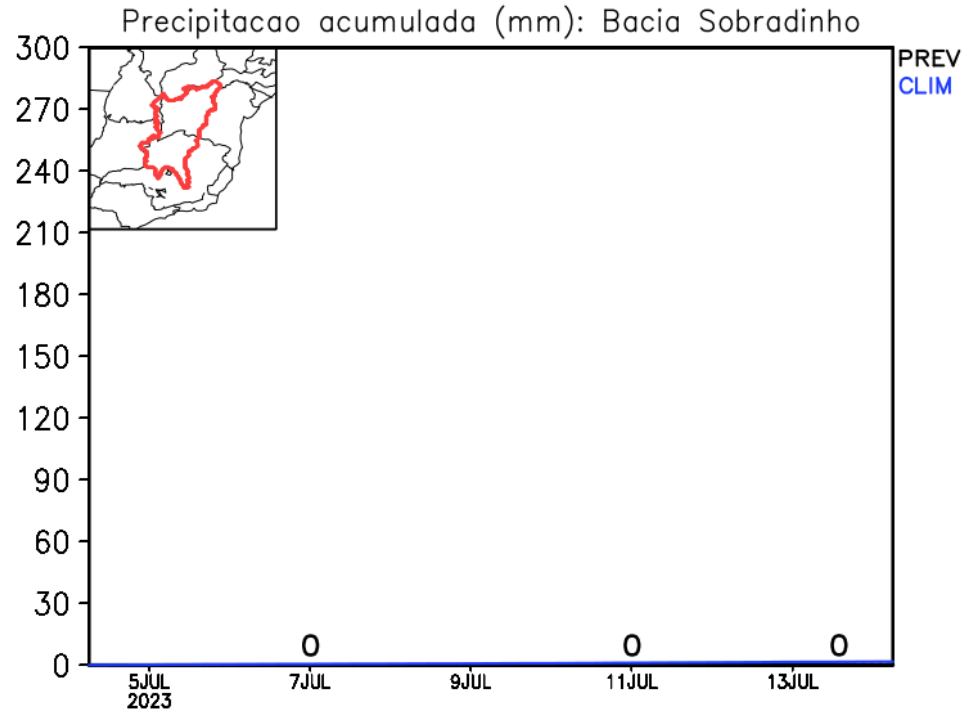
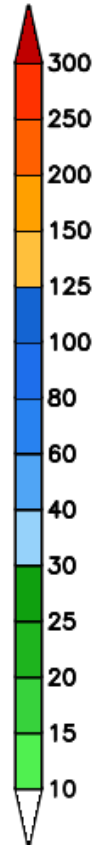
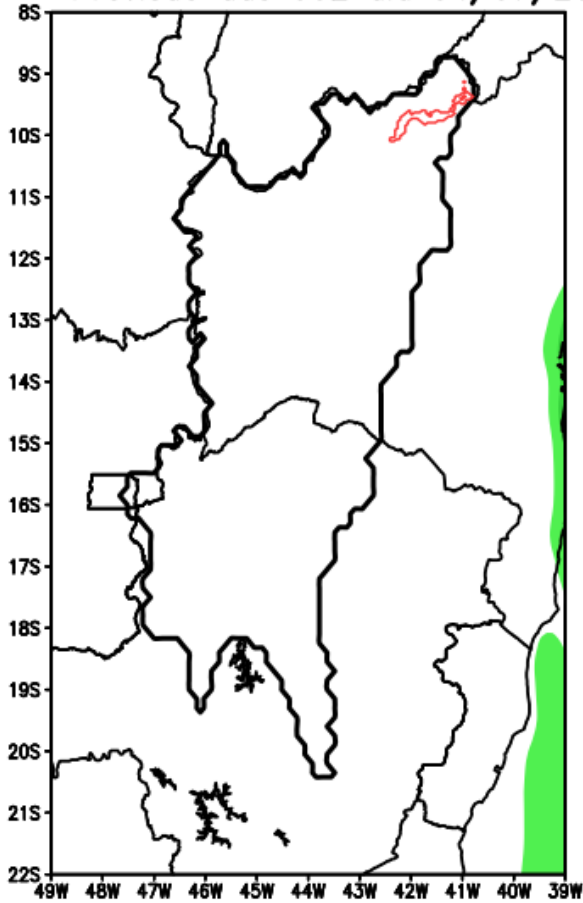
Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 04/07/2023



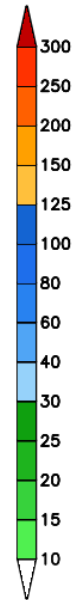
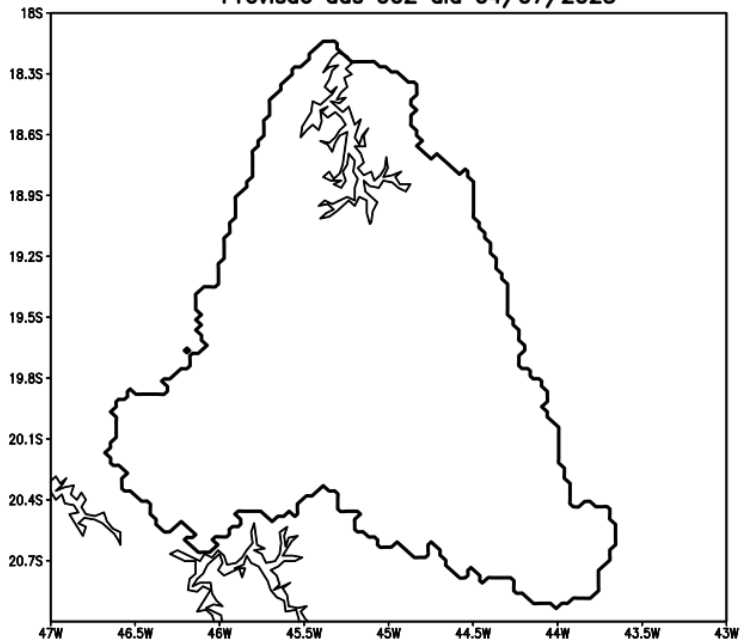
Bacia de Sobradinho

GEFS / Sobradinho
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 04/07/2023

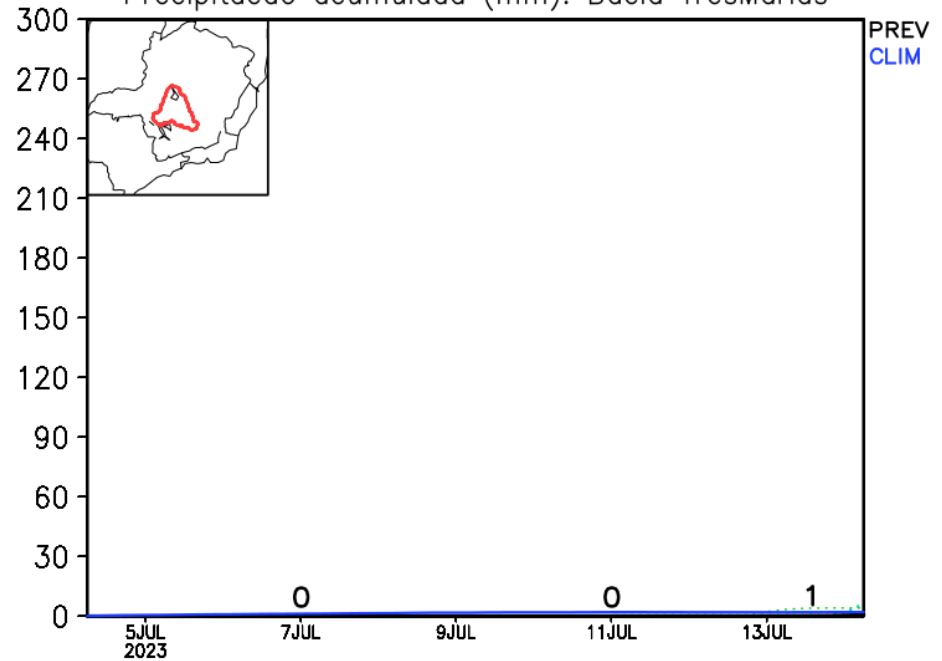


Bacia de Três Marias

GEFS / Tres Marias
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 04/07/2023

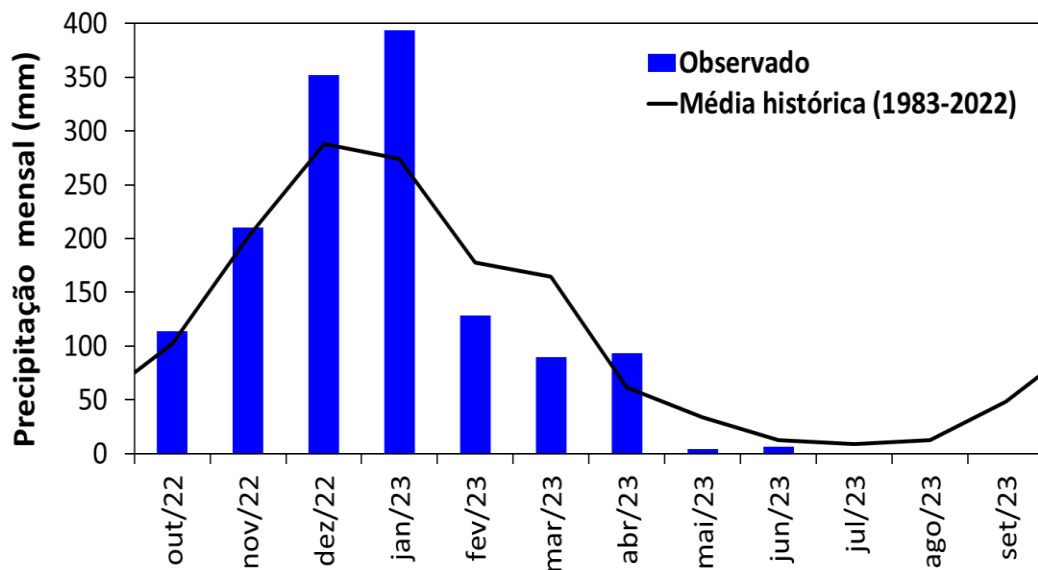


Precipitacao acumulada (mm): Bacia TresMarias



Monitoramento UHE Três Marias

Precipitação



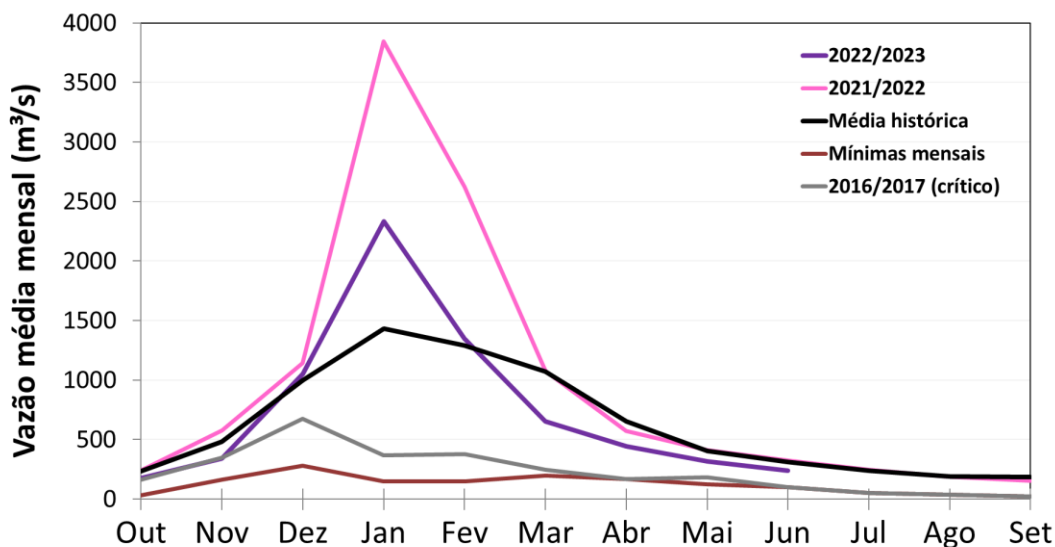
Estação Chuvosa - Out a Mar - 1209 mm
 2021/2022: 1592 mm (**132% da média histórica**)
 2022/2023: 1288 mm (**106 da media histórica**)

Estação Seca - Abr a Set – 179 mm
 2022: 116 mm (**64% da média histórica**)
 2023*: 105 mm (**118% da média histórica PARCIAL**)

Jun/23: 6.4 mm (51% da media histórica)
Jul/23 *: 0.0 mm (Média histórica = 9 mm)

*Até 02/07/2023

Vazão



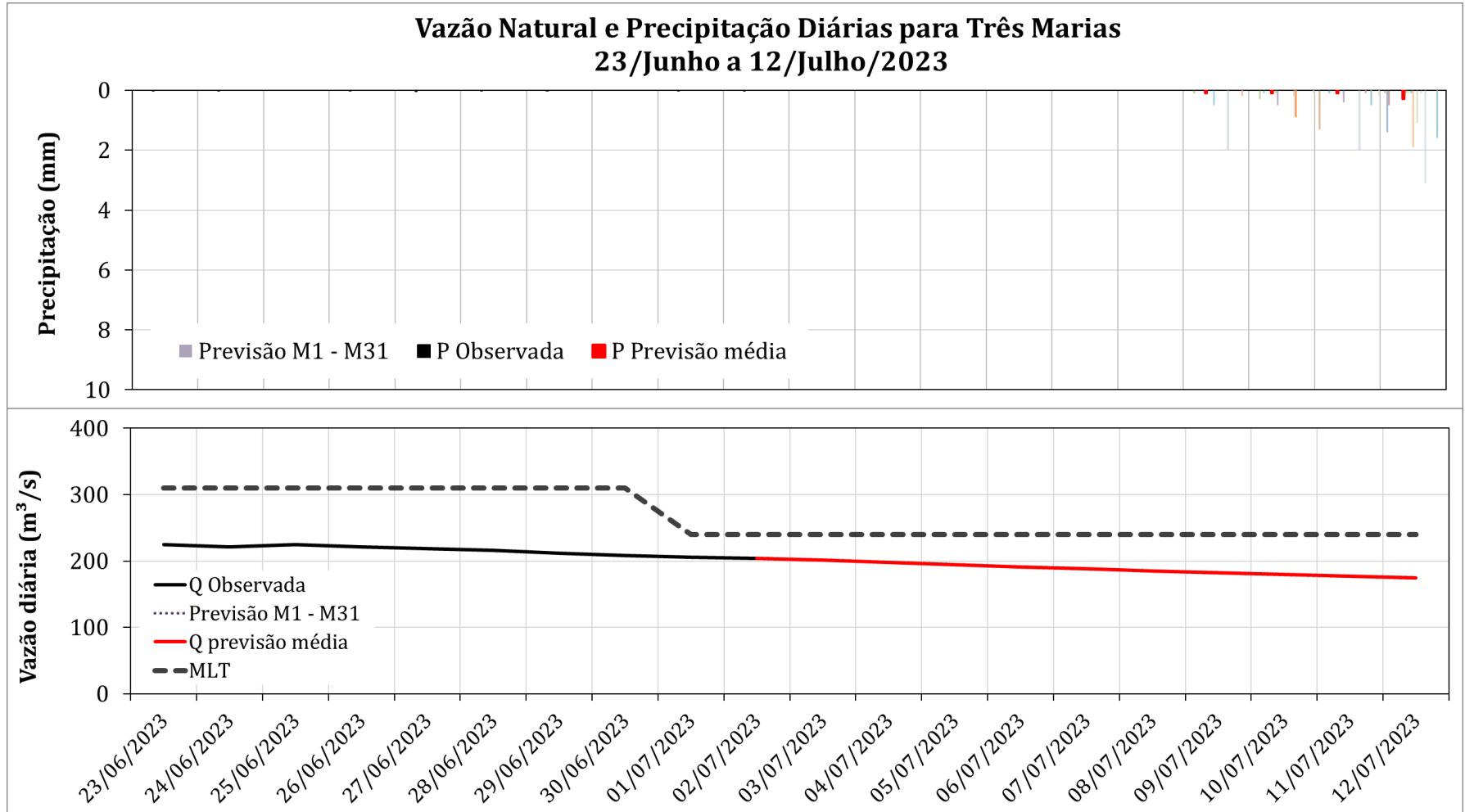
Estação Chuvosa - Nov a Abr - 989 m³/s
 2021/2022: 1639 m³/s (**166% da MLT**)
 2022/2023: 1029 m³/s (**104% da MLT**)

Estação Seca - Maio a Out – 260 m³/s
 2022: 250 m³/s (**96% da MLT**)
 2023*: 253 m³/s (**97% da MLT**)

Junho/23: 237 m³/s (77% da MLT)
02/Jul/23: 204 m³/s (85% da MLT)

*Até 02/07/2023

UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)



Dados **observados de precipitação** (barras pretas) para o período 23/06 a 02/07 e **previsão** para o período de 03 a 12/07
Dados **observados de vazão** (linha preta) para o período 23/06 a 02/07 e **previsão** para o período de 03 a 12/07

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

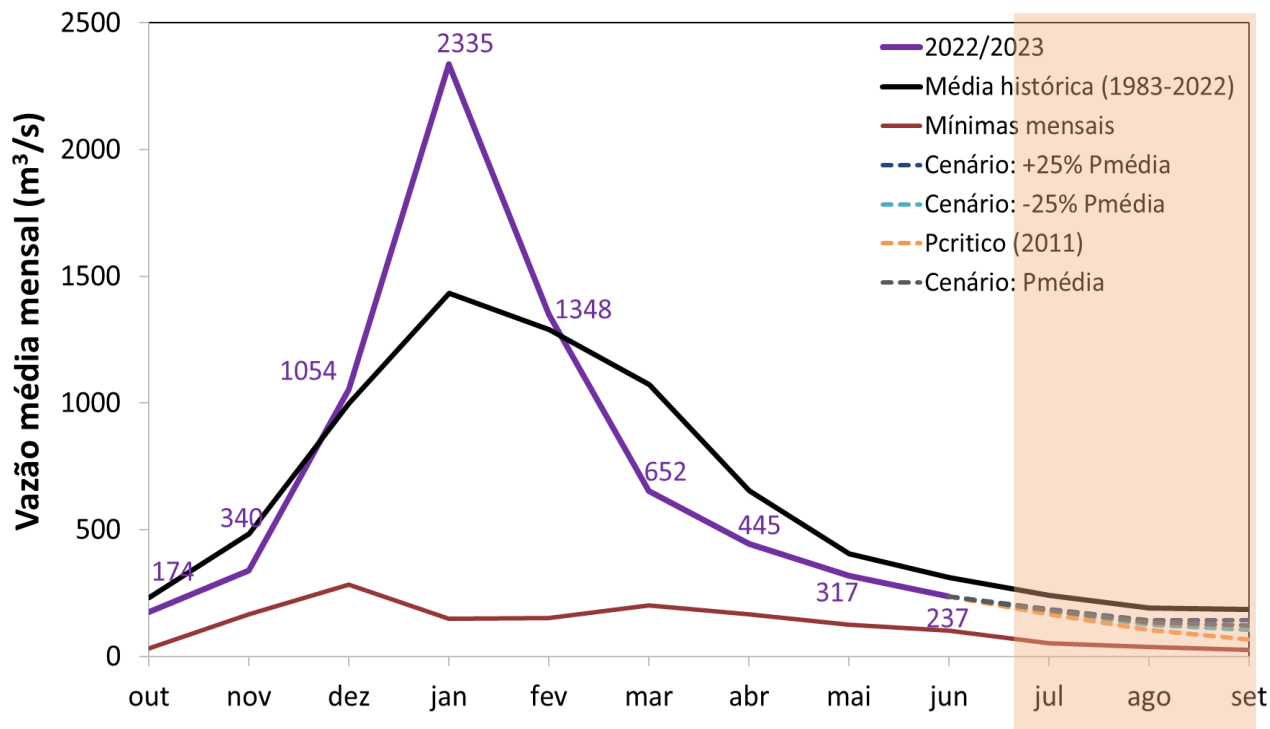
As linhas coloridas representam os membros de previsão de vazão.

Previsão média para os próximos 10 dias: 187 m³/s

Valor inferior a MLT de JULHO (240 m³/s)

UHE Três Marias: Projeções de Vazão (modelo PDM/CEMADEN)

Previsão: 03 a 12/Jul- Projeções: 13/Jul a 30/Set/23



JUL-SET
MLT: 205 m³/s

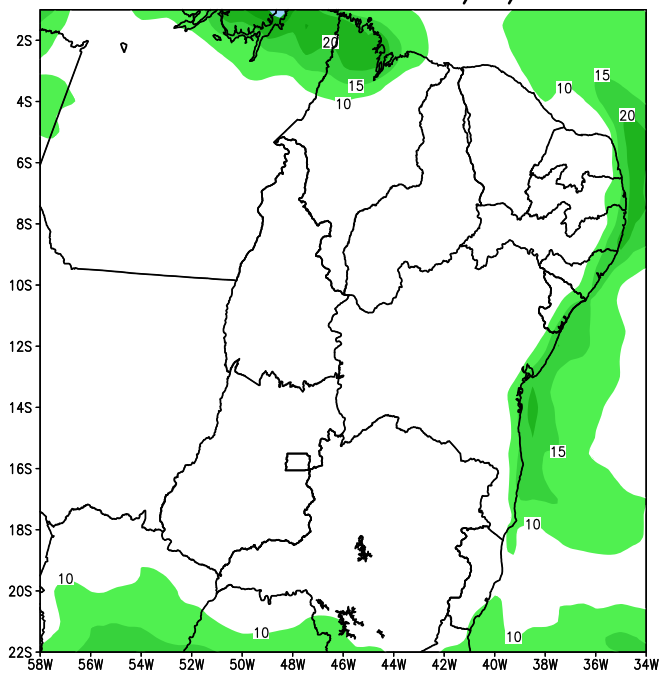
Vazão	% MLT
157 m³/s	76%
146 m³/s	71%
135 m³/s	66%
113 m³/s	55%

Jul a Set/2022 = 197 m³/s (96% da MLT)

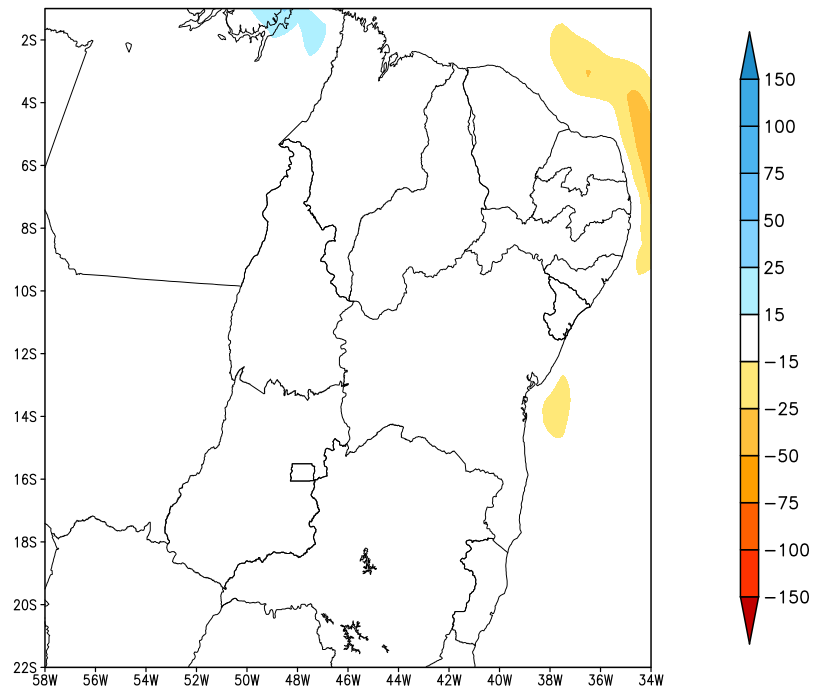
Para todos os cenários, o modelo hidrológico indica uma condição de vazão média inferior comparado ao registrado em 2022!

Tendência para a 2a semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 04/07/2023

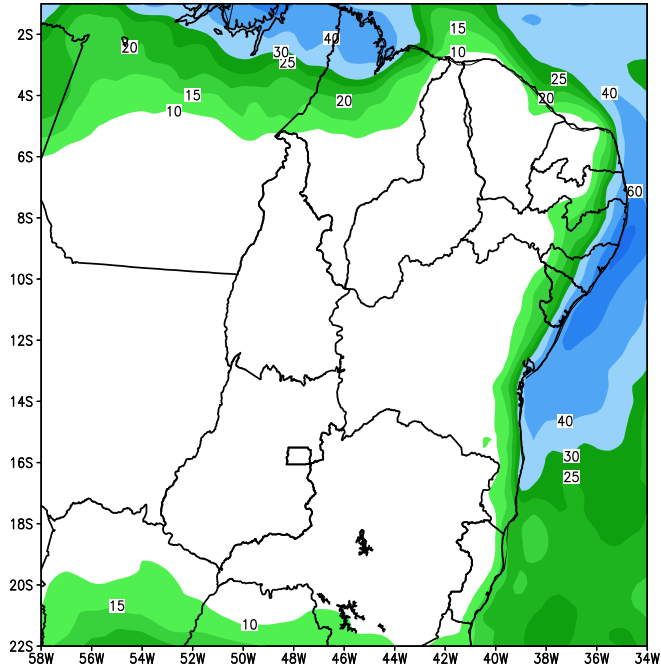


Anomalia de Precipitacao BR NE (mm)
Periodo: 2023071200 a 2023071800

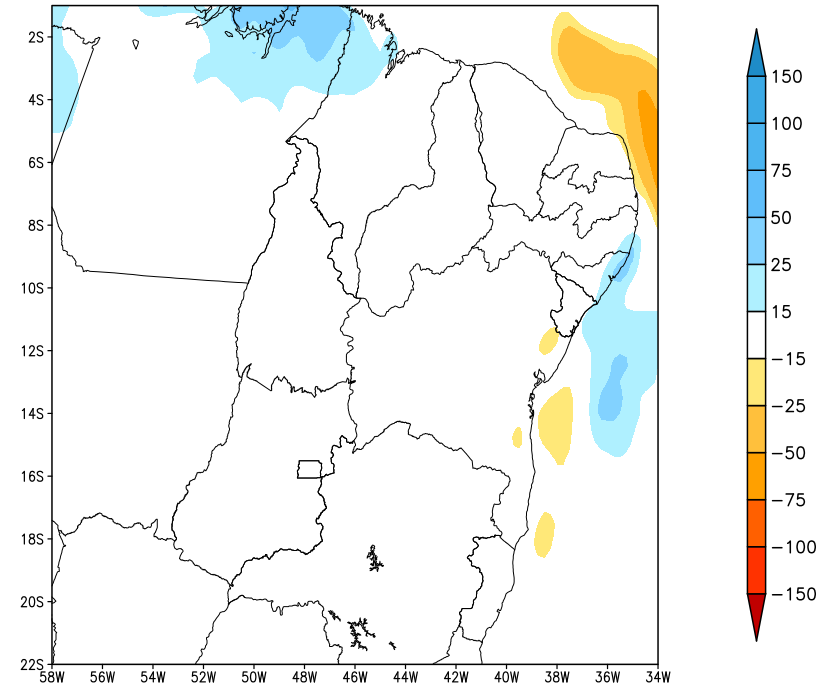


Tendência para as duas próximas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 04/07/2023

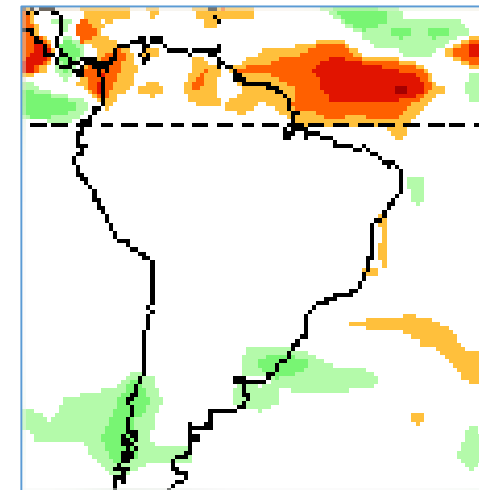
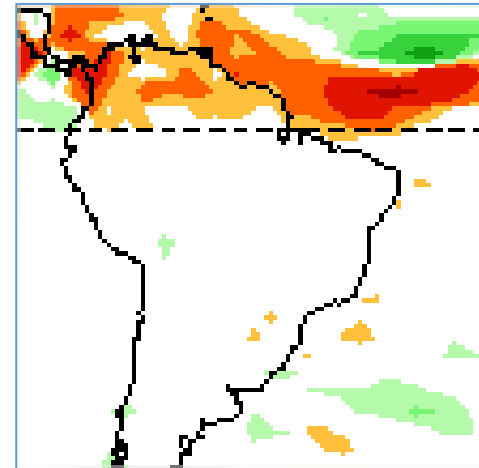
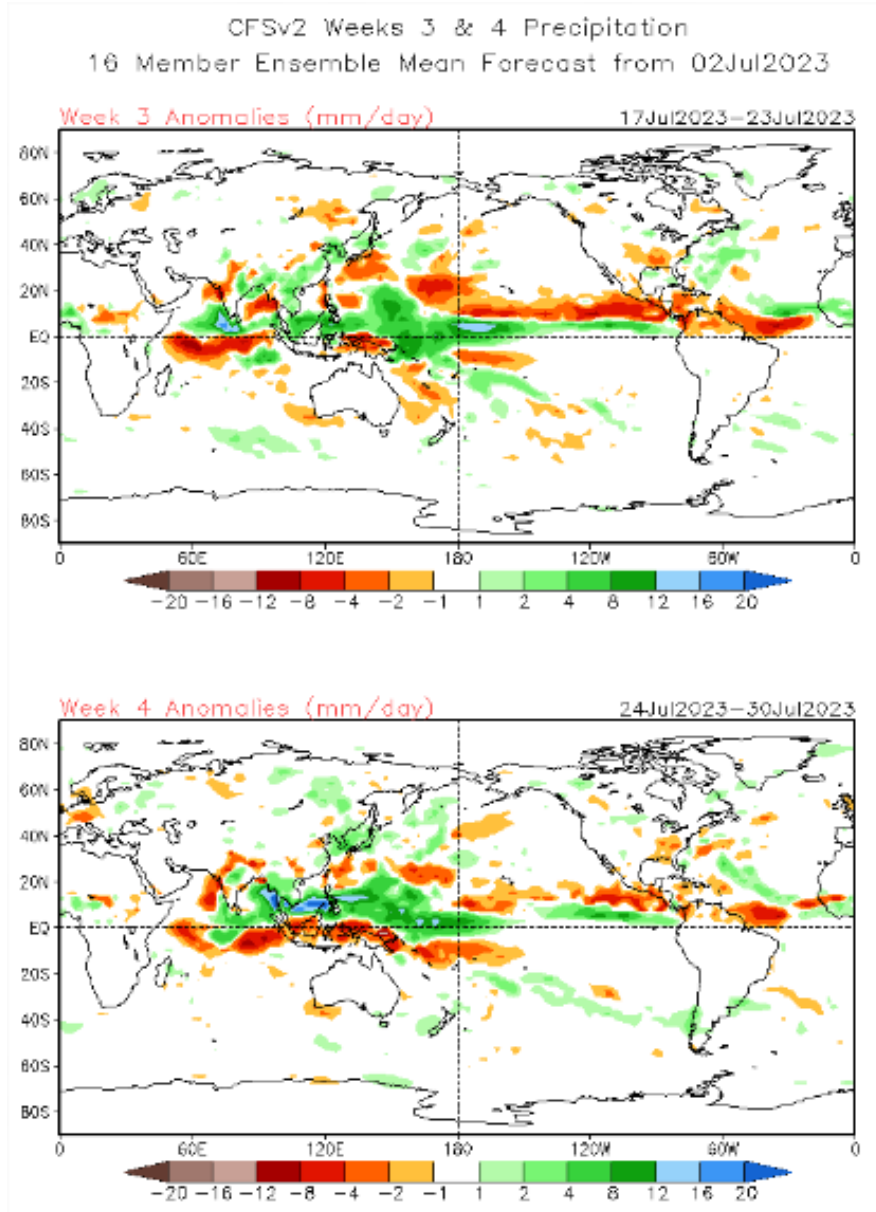


Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023070400 a 2023071800



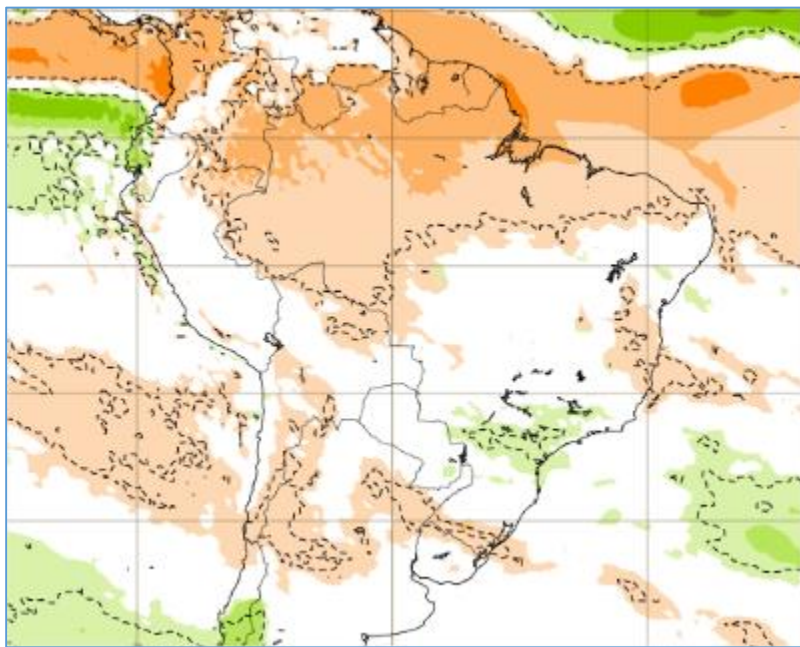
Modelo GFS/NOAA

Tendência 3a e 4a semanas

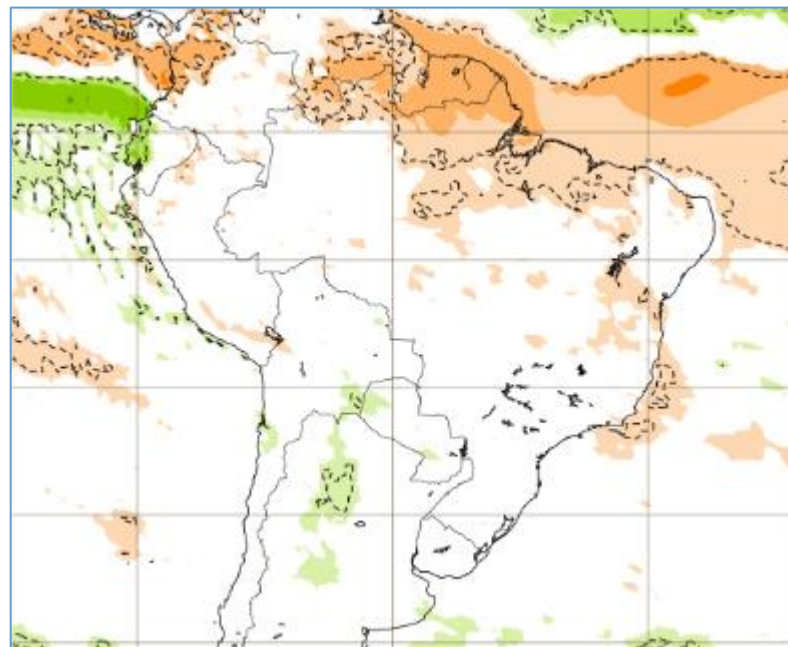


Tendência para 3ª e 4ª semanas

17-24/07

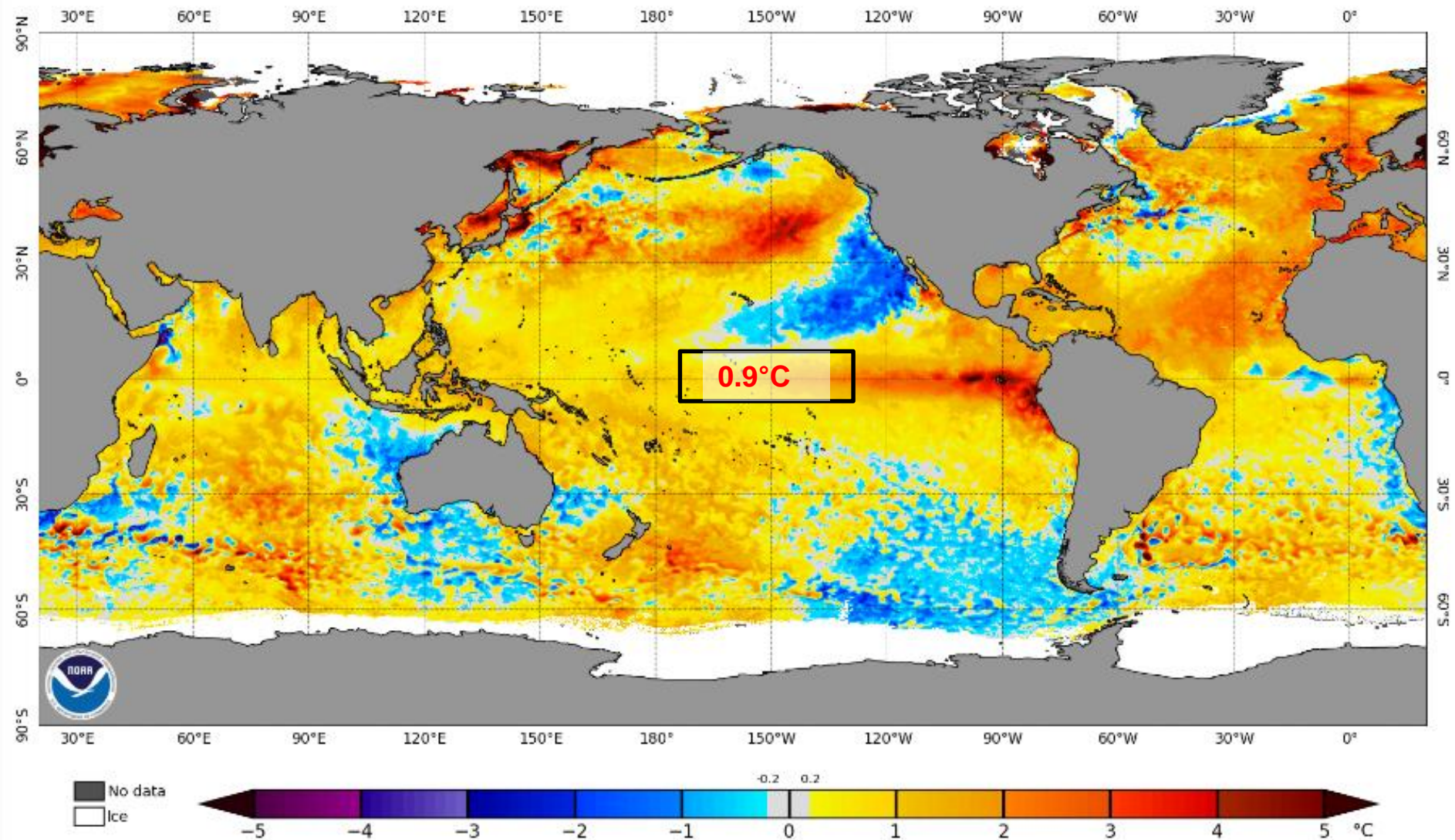


24-31/07

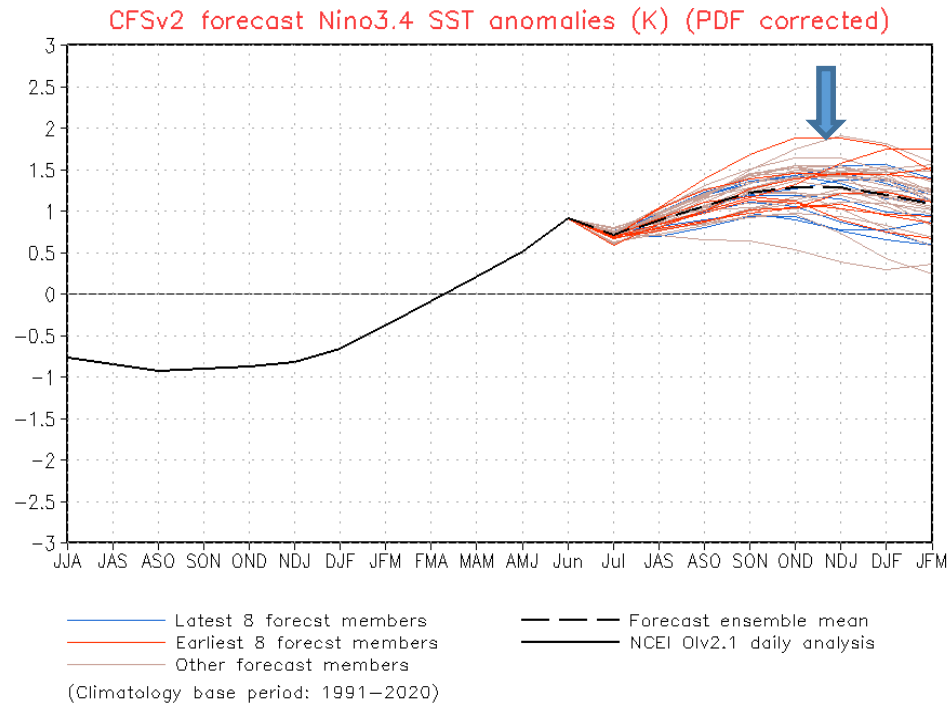
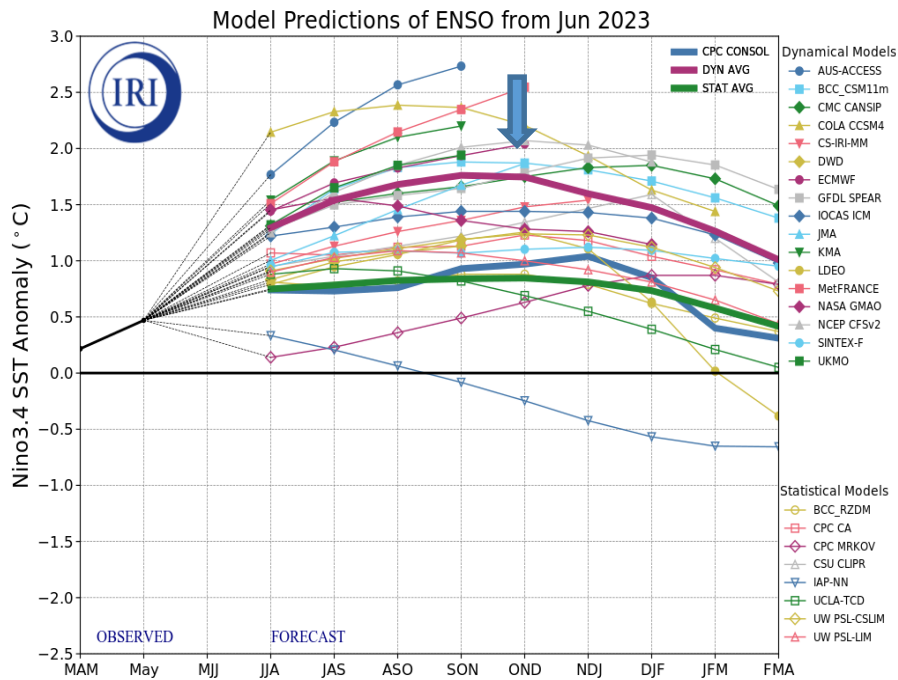


Status Atual: El Niño

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 1 Jul 2023



Previsão do “ENSO”

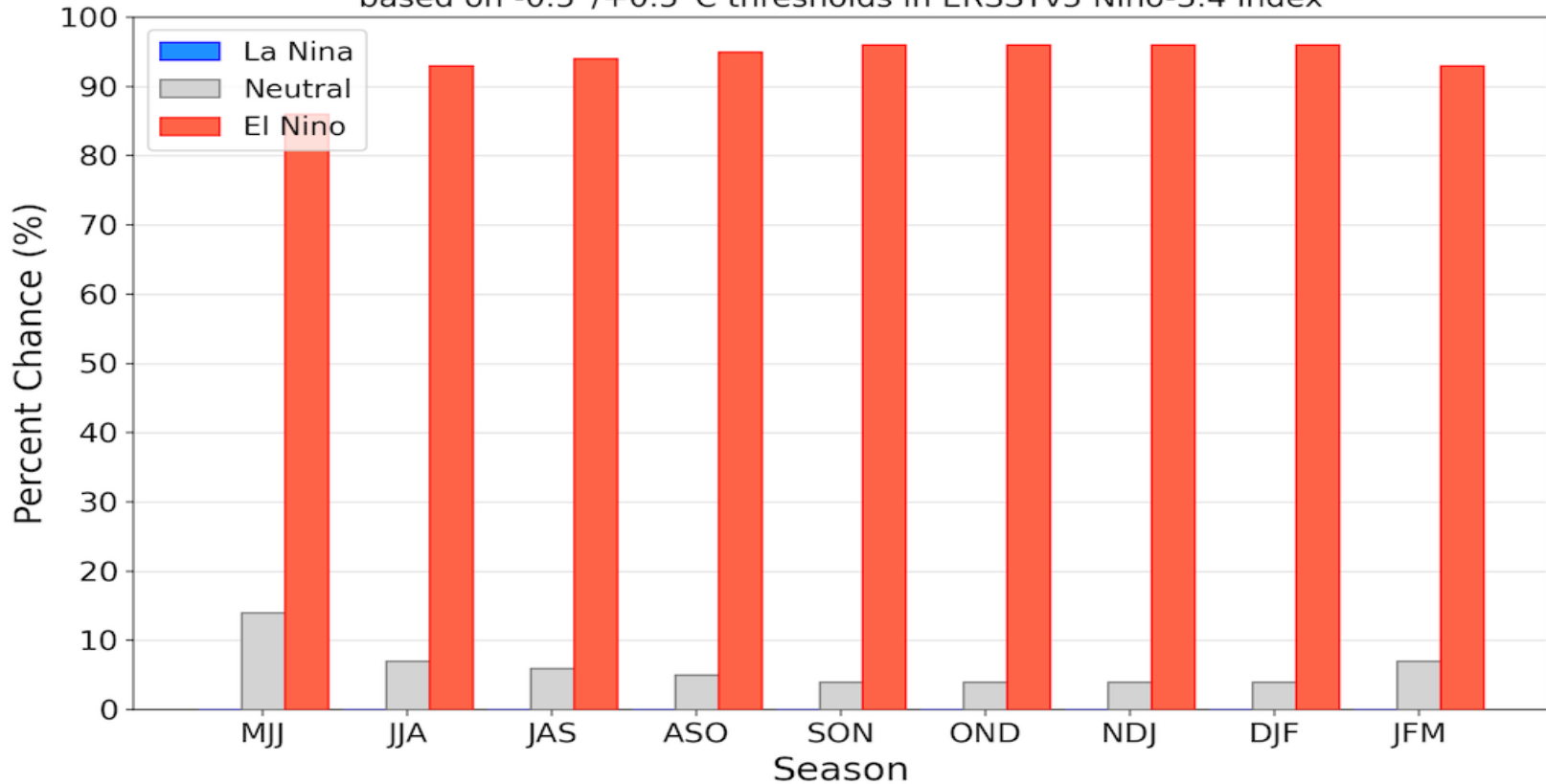


Atualizado 03/07/23

Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued June 2023)

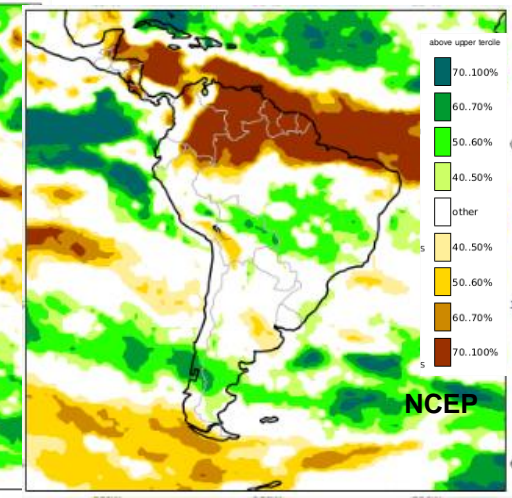
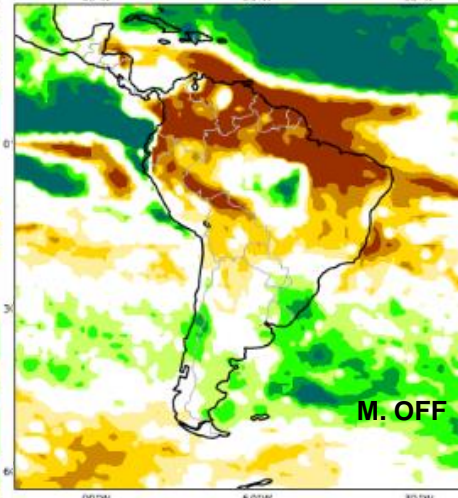
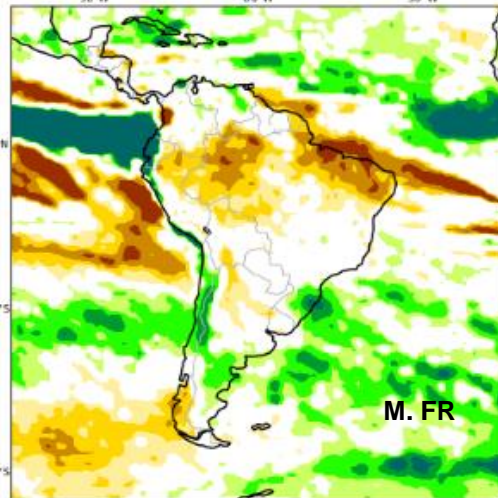
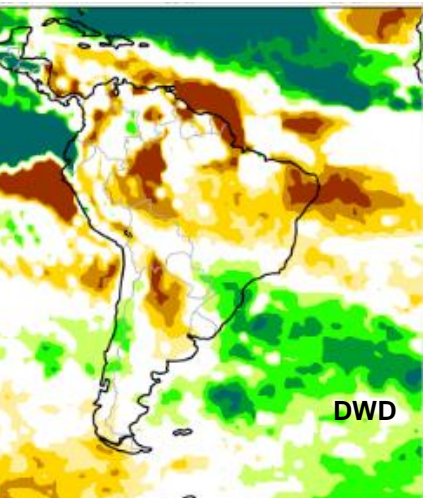
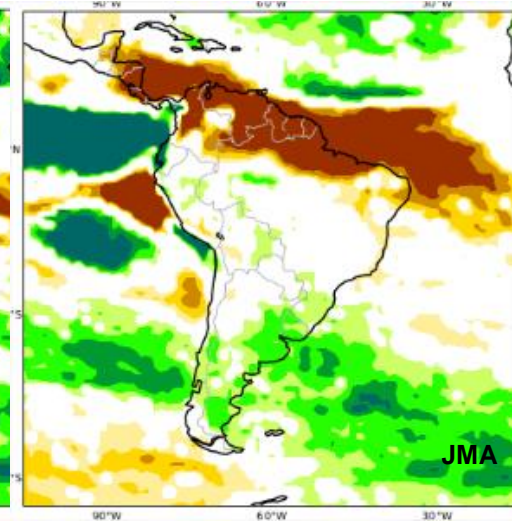
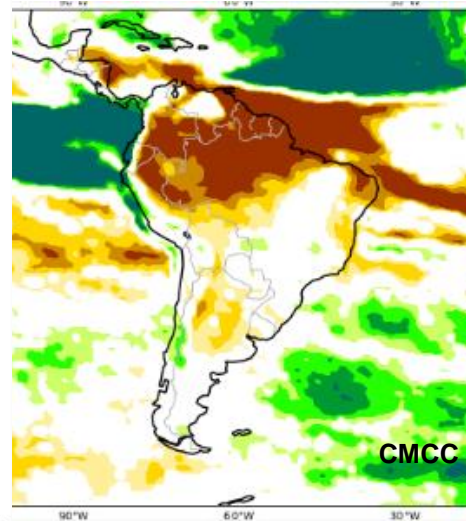
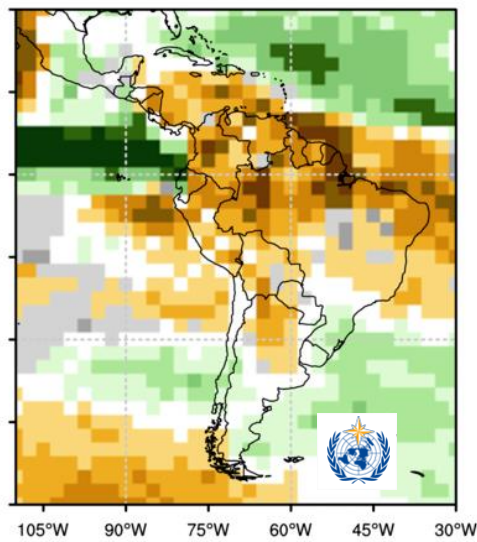
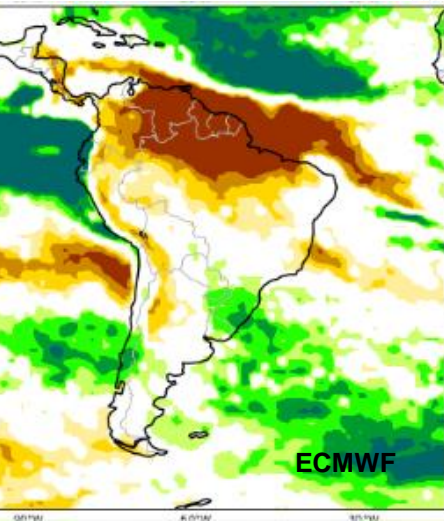
based on $-0.5^{\circ}/+0.5^{\circ}\text{C}$ thresholds in ERSSTv5 Niño-3.4 index



Status Atual: **EI NIÑO**

FONTE: NOAA

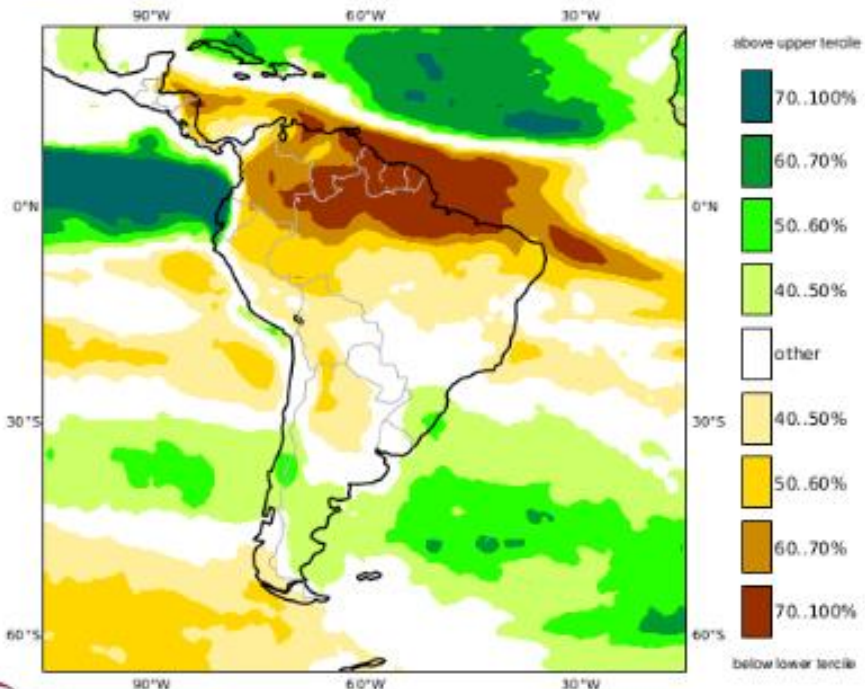
Previsão sazonal de Chuva JAS



Previsão Multi Modelo JAS

C3S multi-system seasonal forecast
 Prob(most likely category of precipitation)
 Nominal forecast start: 01/06/23
 Unweighted mean

JAS 2023



NMME Precipitation Anomalies (mm/day)

Jul2023-Sep2023 June2023 initial conditions

