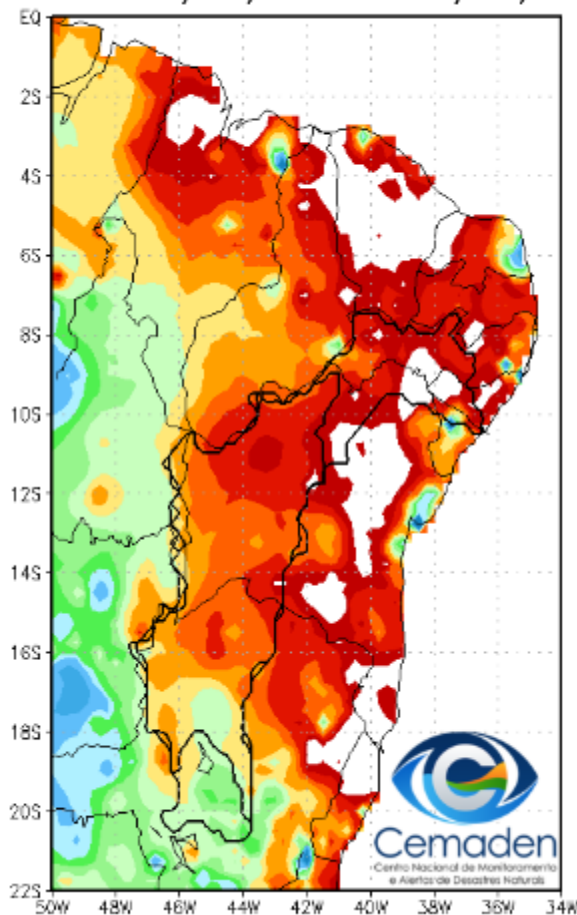


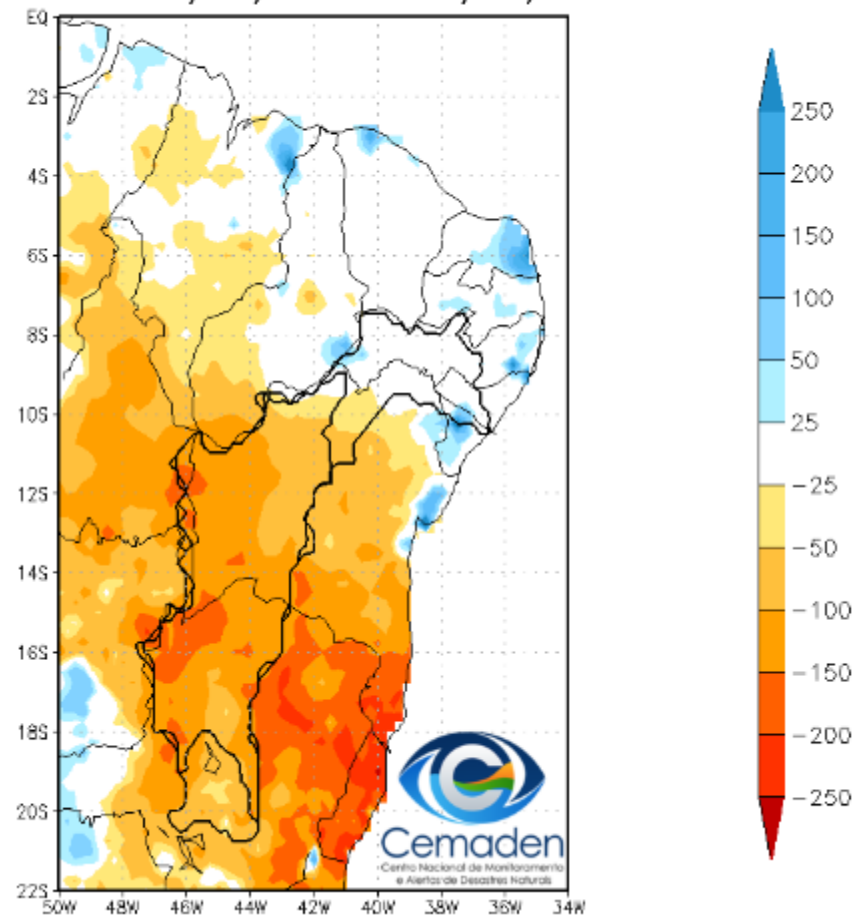
Monitoramento, Previsões e Projeções para a Bacia do Rio São Francisco

Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.
Período: 04/11/2023 a 04/12/2023

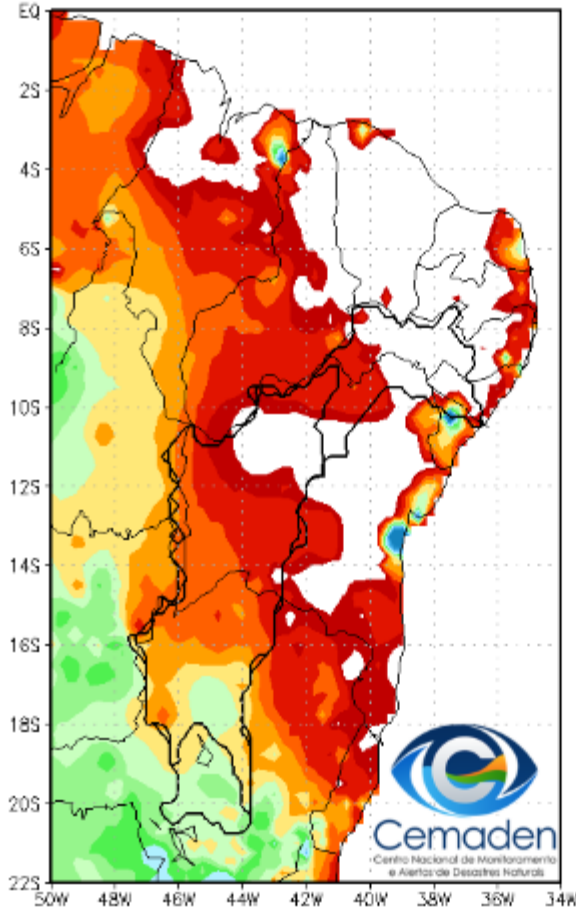


Anomalia de Precipitacao (mm) A.S.
Período: 04/11/2023 a 04/12/2023

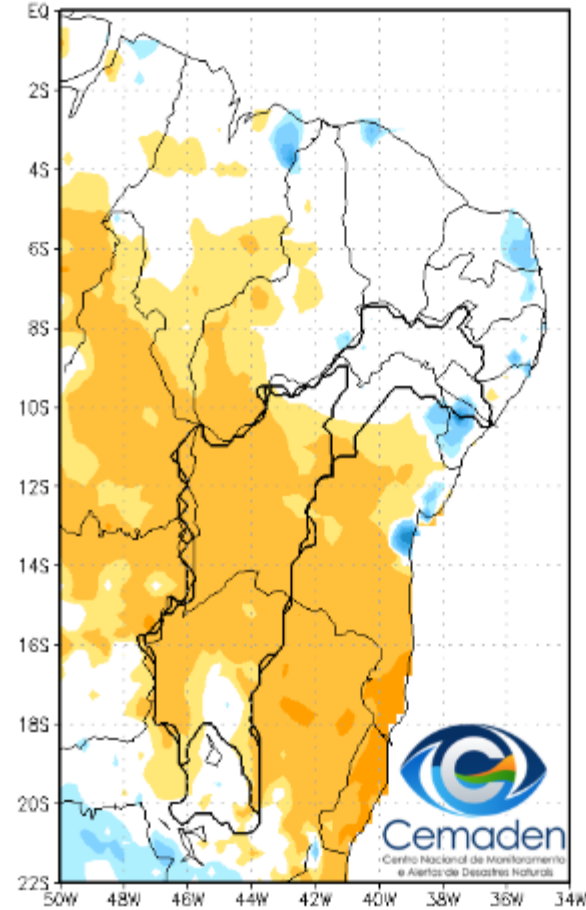


Chuva no Ano Hidrológico - desde 01/10/2022

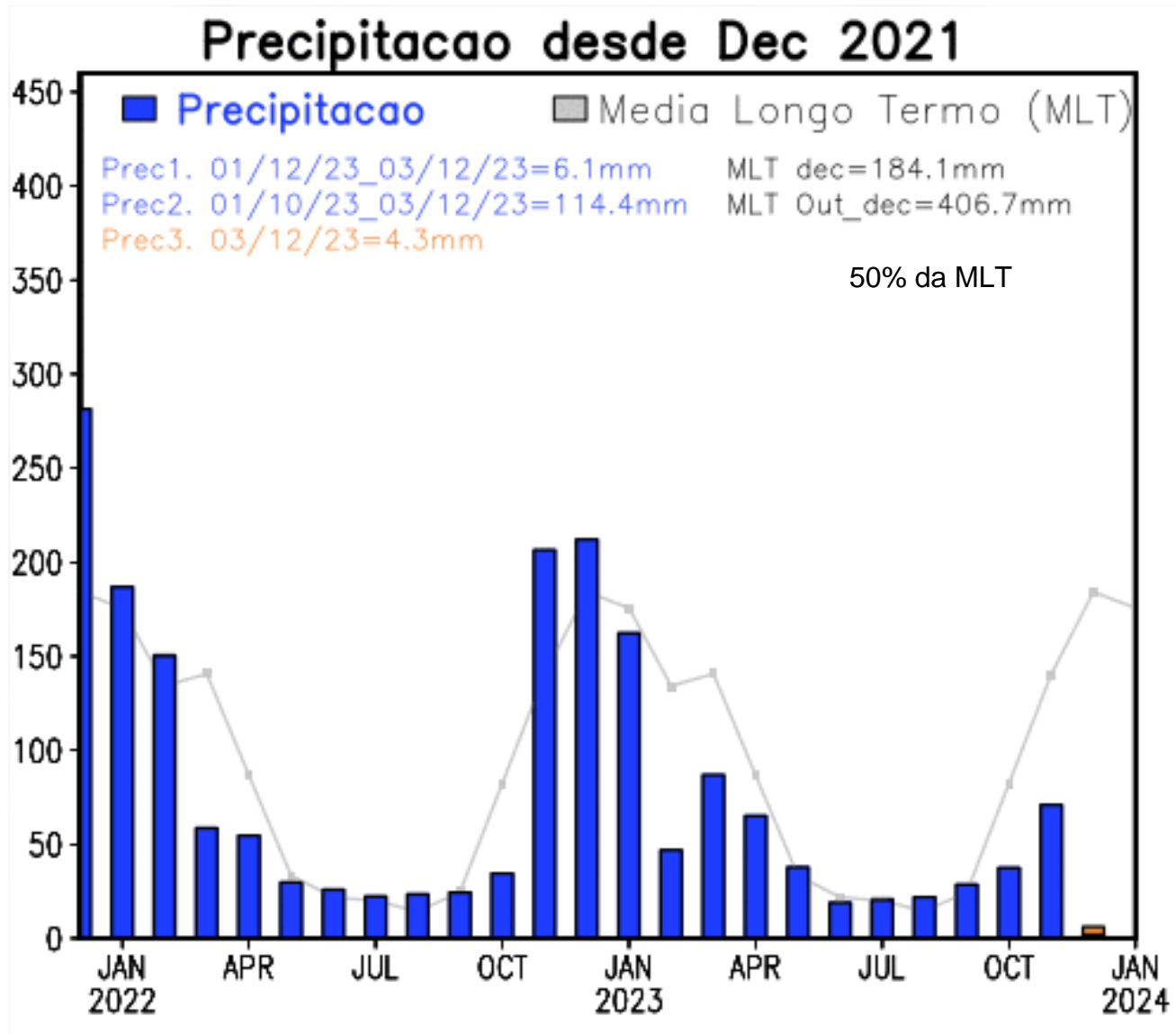
Precipitacao Acumulada (mm) A.S.
Período: 01/10/2023 a 04/12/2023



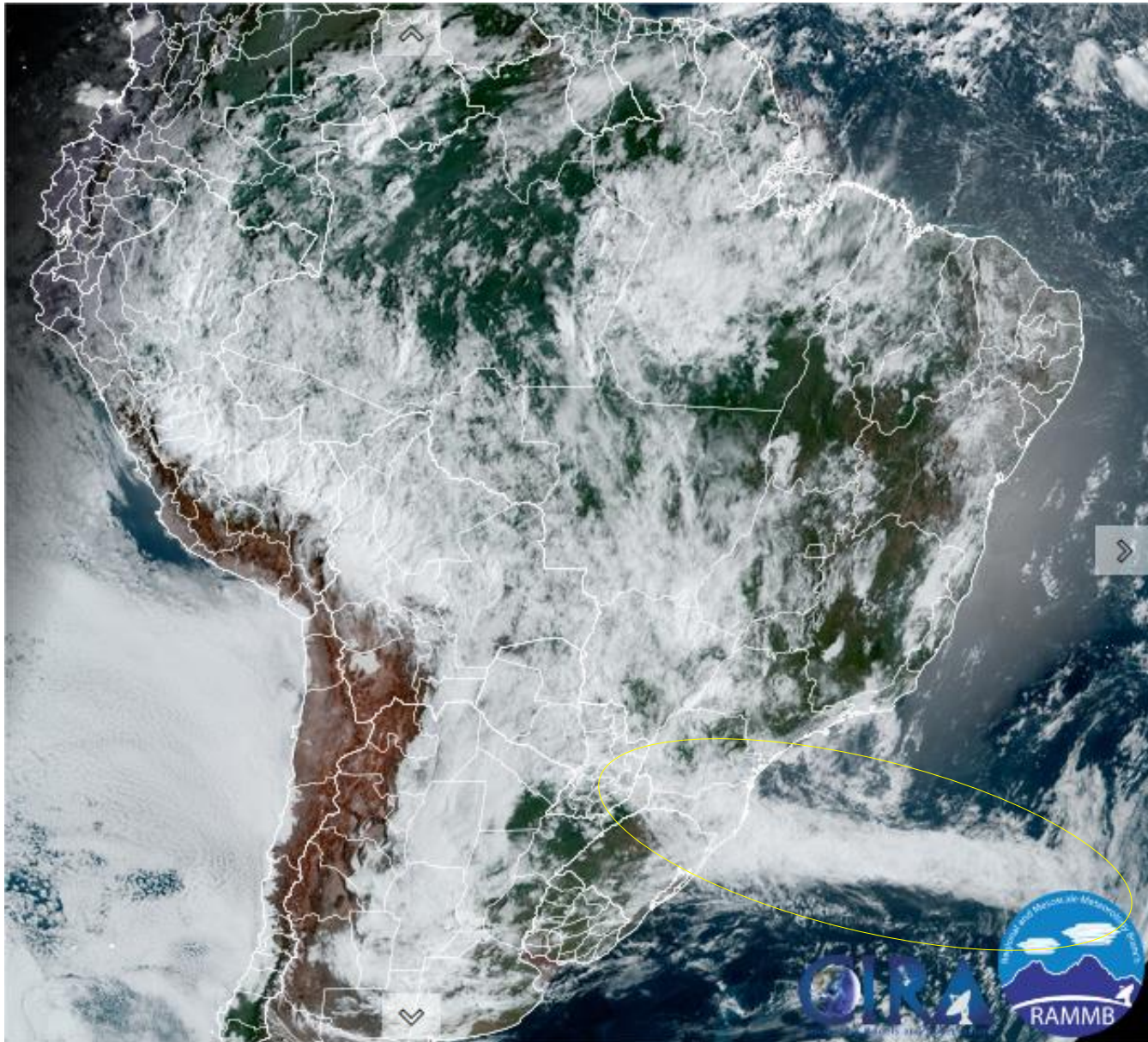
Anomalia de Precipitacao (mm) A.S.
Período: 01/10/2023 a 04/12/2023



Bacia do rio São Francisco

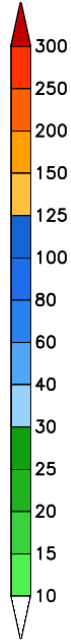
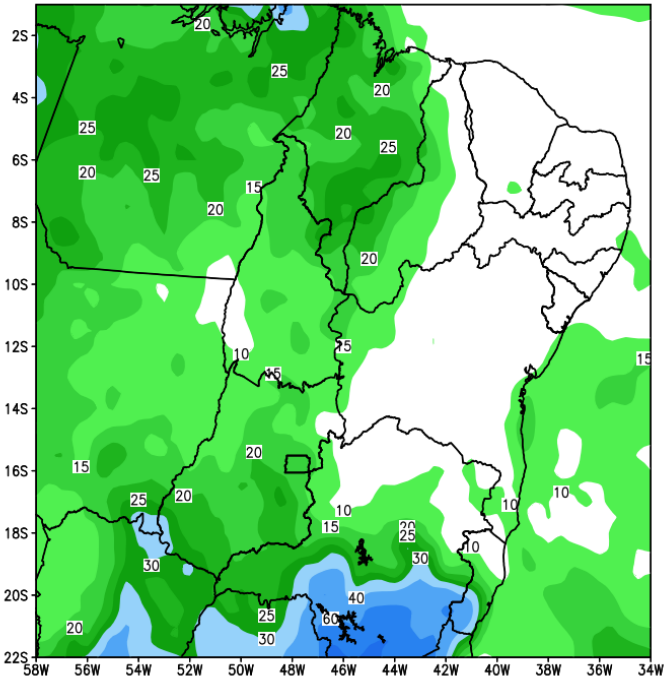


Situação meteorológica atual

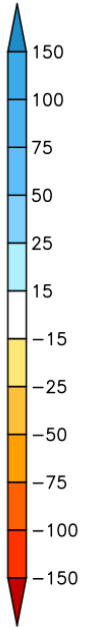
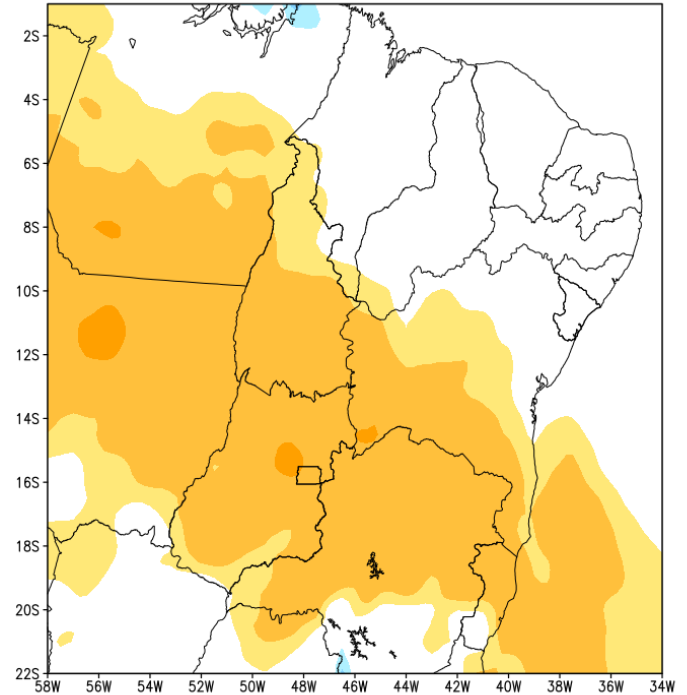


Previsão de chuva próximos 7 dias

GEFS / BRASIL_NE
Precipitação acumulada 1aSem (mm)
Previsão das 00Z dia 05/12/2023



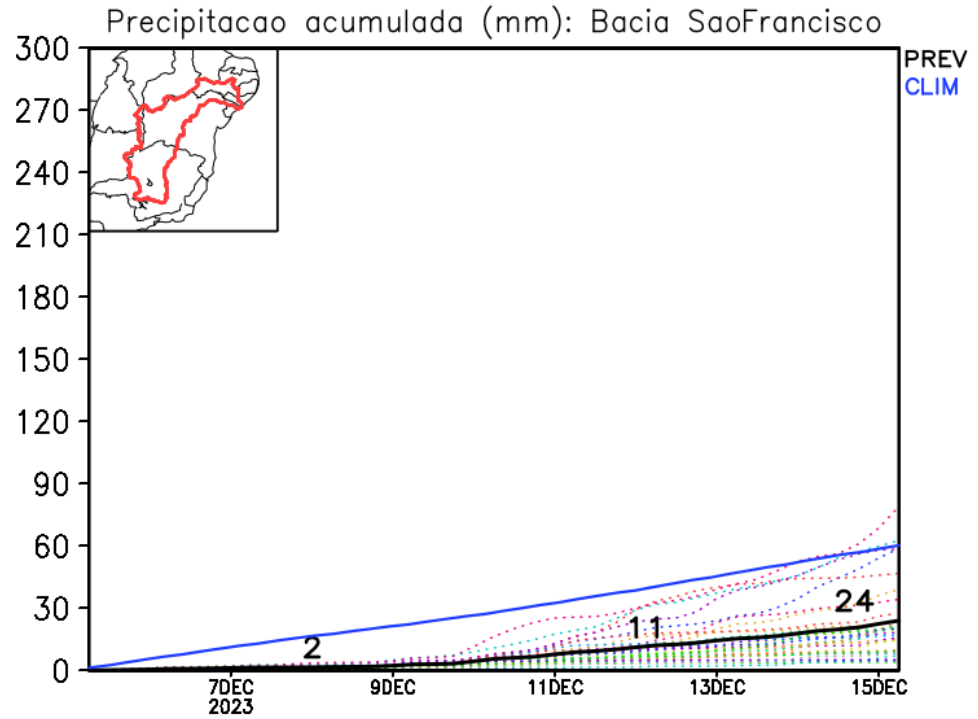
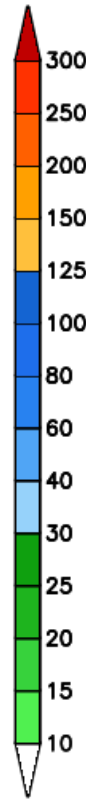
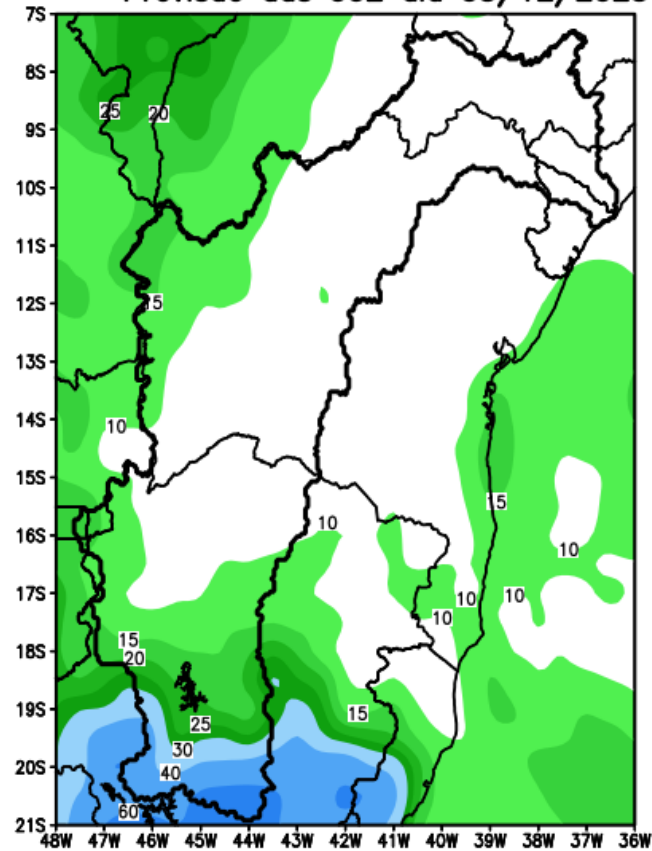
Anomalia de Precipitação BR NE (mm)
Período: 2023120500 a 2023121200



Fonte: GEFS/NOAA

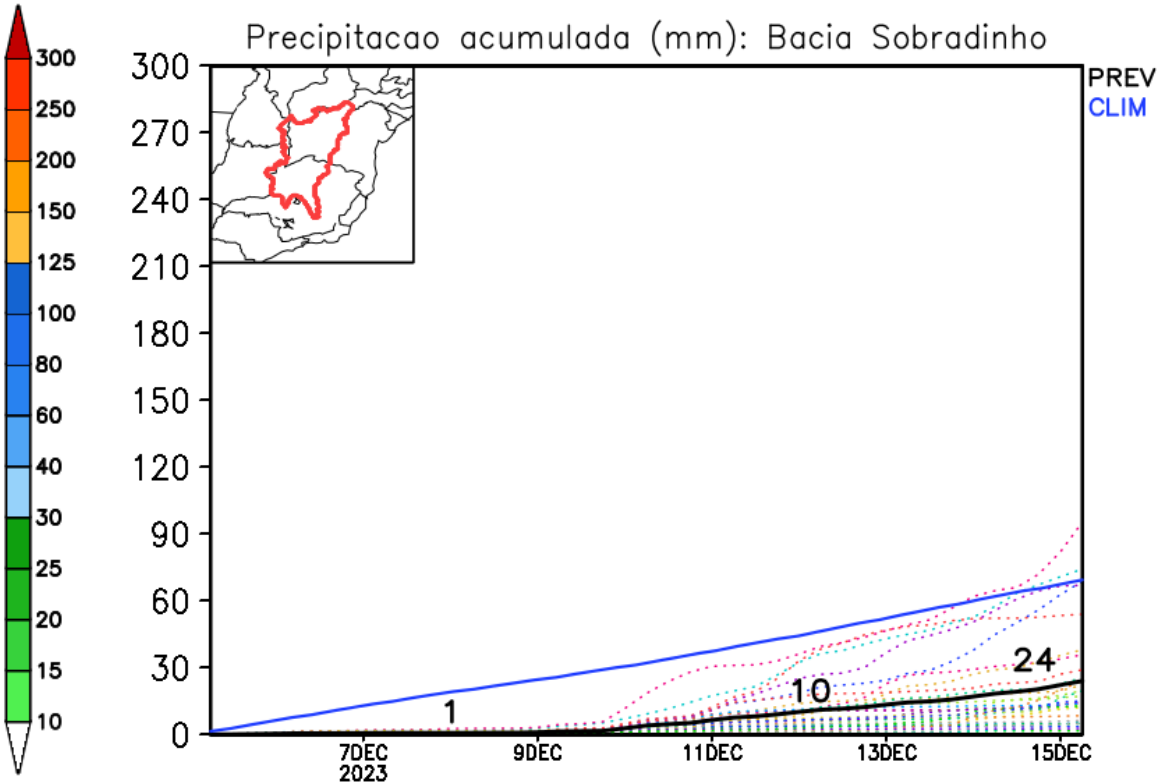
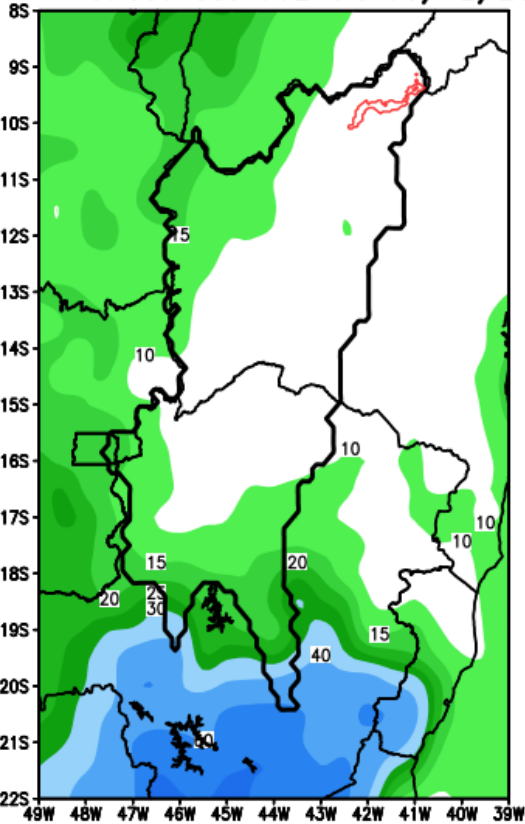
Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 05/12/2023



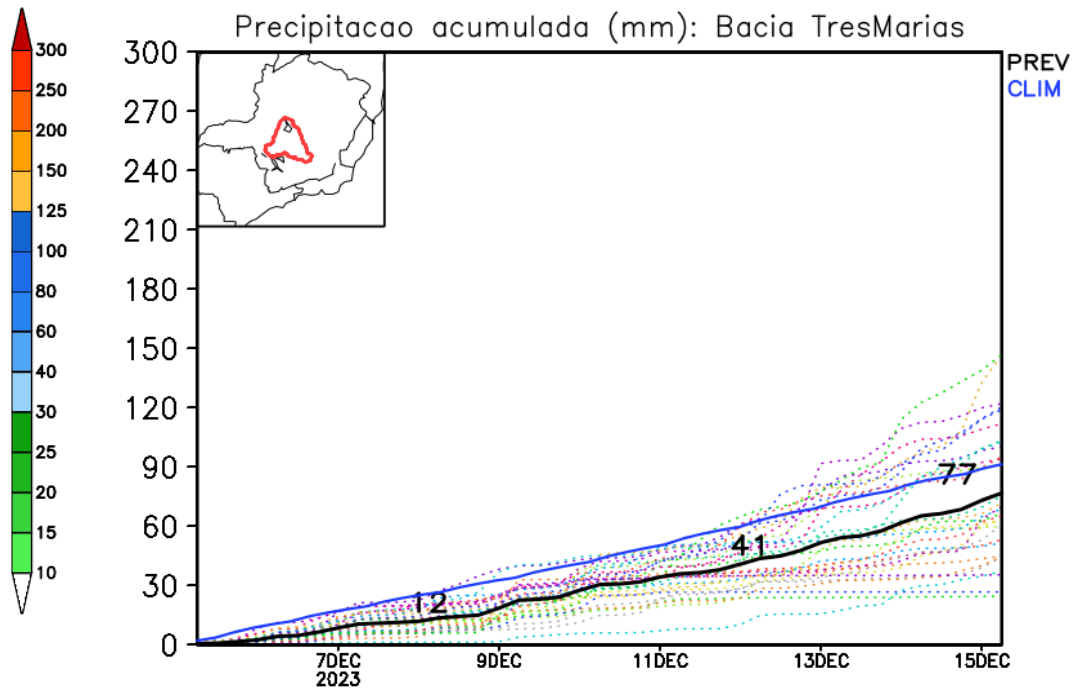
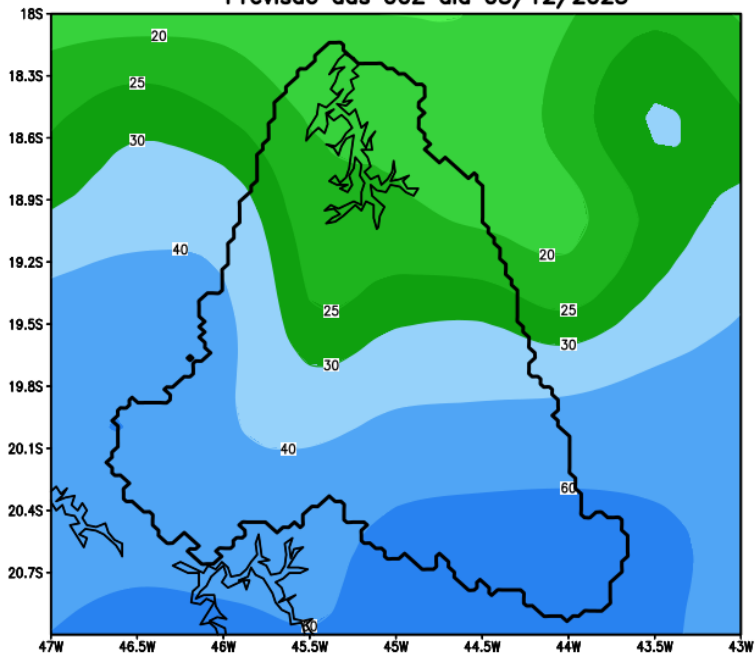
Bacia de Sobradinho

GEFS / Sobradinho
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 05/12/2023



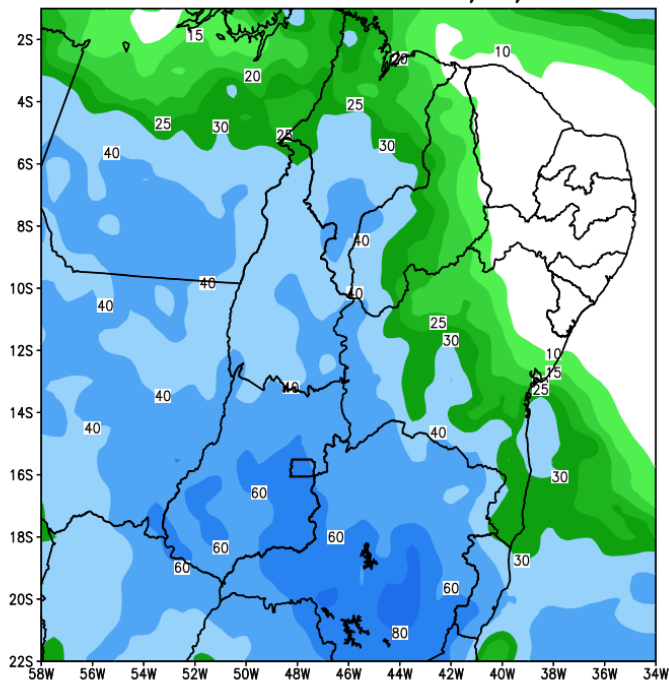
Bacia de Três Marias

GEFS / Tres Marias
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 05/12/2023

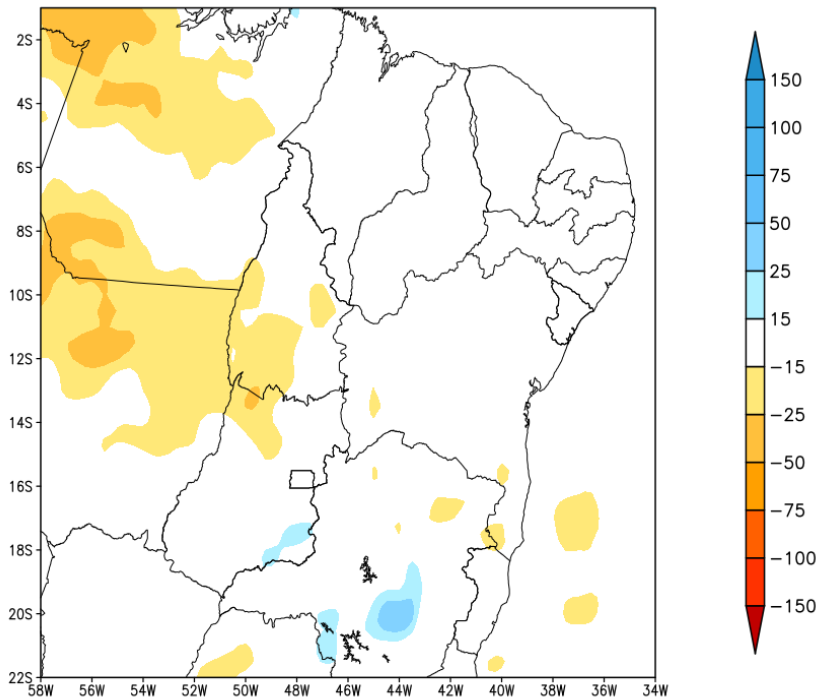


Tendência para a 2a semana

GEFS / BRASIL_NE
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 05/12/2023



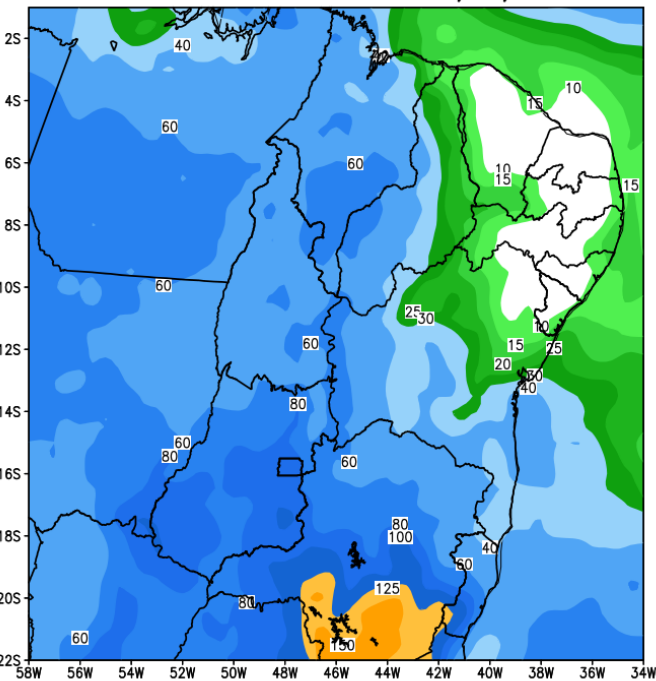
Anomalia de Precipitacao BR_NE (mm)
Periodo: 2023121300 a 2023121900



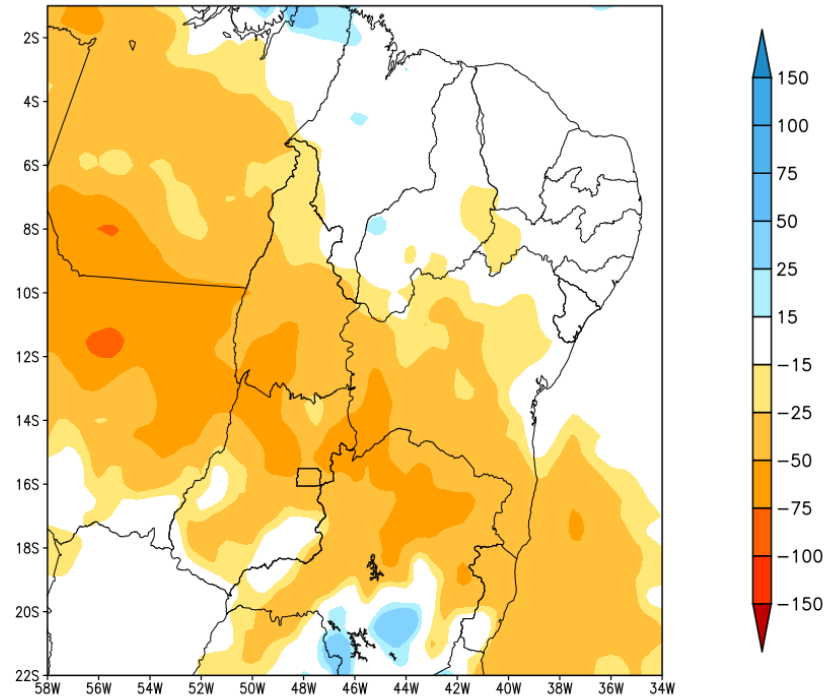
Modelo GFS/NOAA

Tendência para as duas próximas semanas

GEFS / BRASIL_NE
Precipitacao acumulada 14dias (mm)
Previsao das 00Z dia 05/12/2023

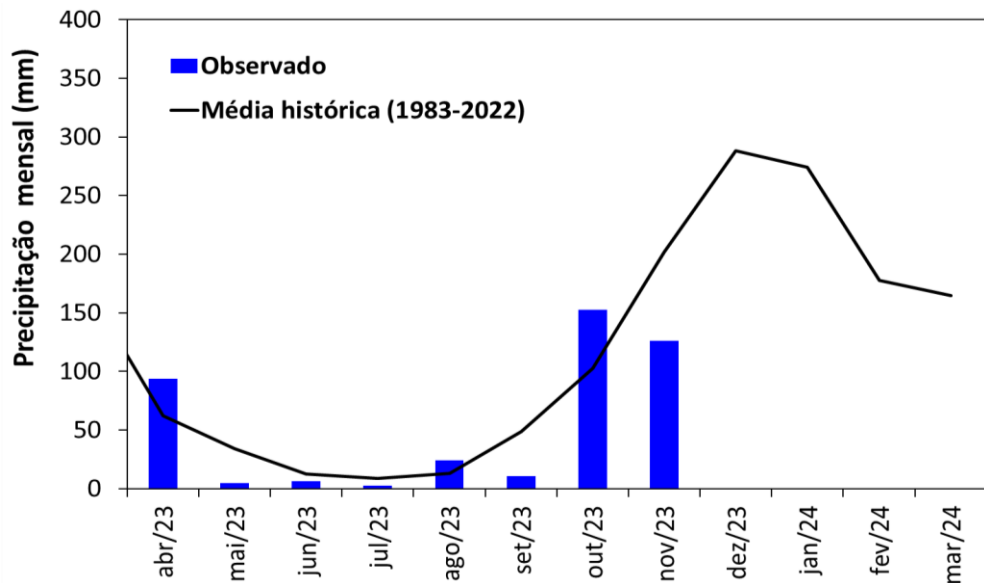


Anomalia de Precipitacao BR NE (mm)
Periodo: 2023120500 a 2023121900



Modelo GFS/NOAA

Monitoramento UHE Três Marias



Precipitação

Estação Chuvosa - Out a Mar - 1209 mm

2021/2022: 1592 mm (132% da MLT)

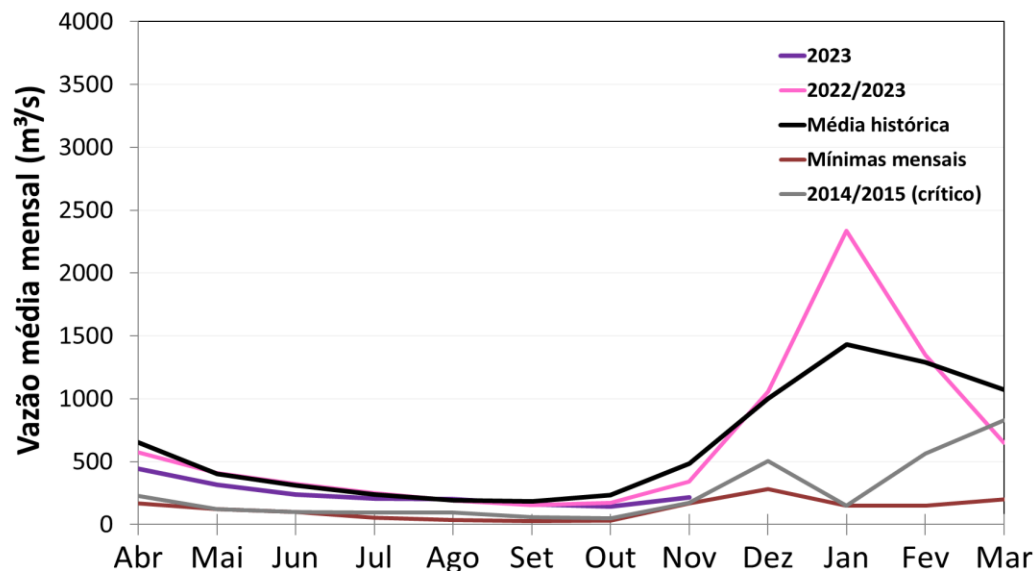
2022/2023: 1288 mm (106% da MLT)

Estação Seca - Abr a Set - 179 mm

2022: 116 mm (64% da MLT)

2023: 142 mm (79% da MLT)

Novembro/23: 126 mm (62% da MLT)



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

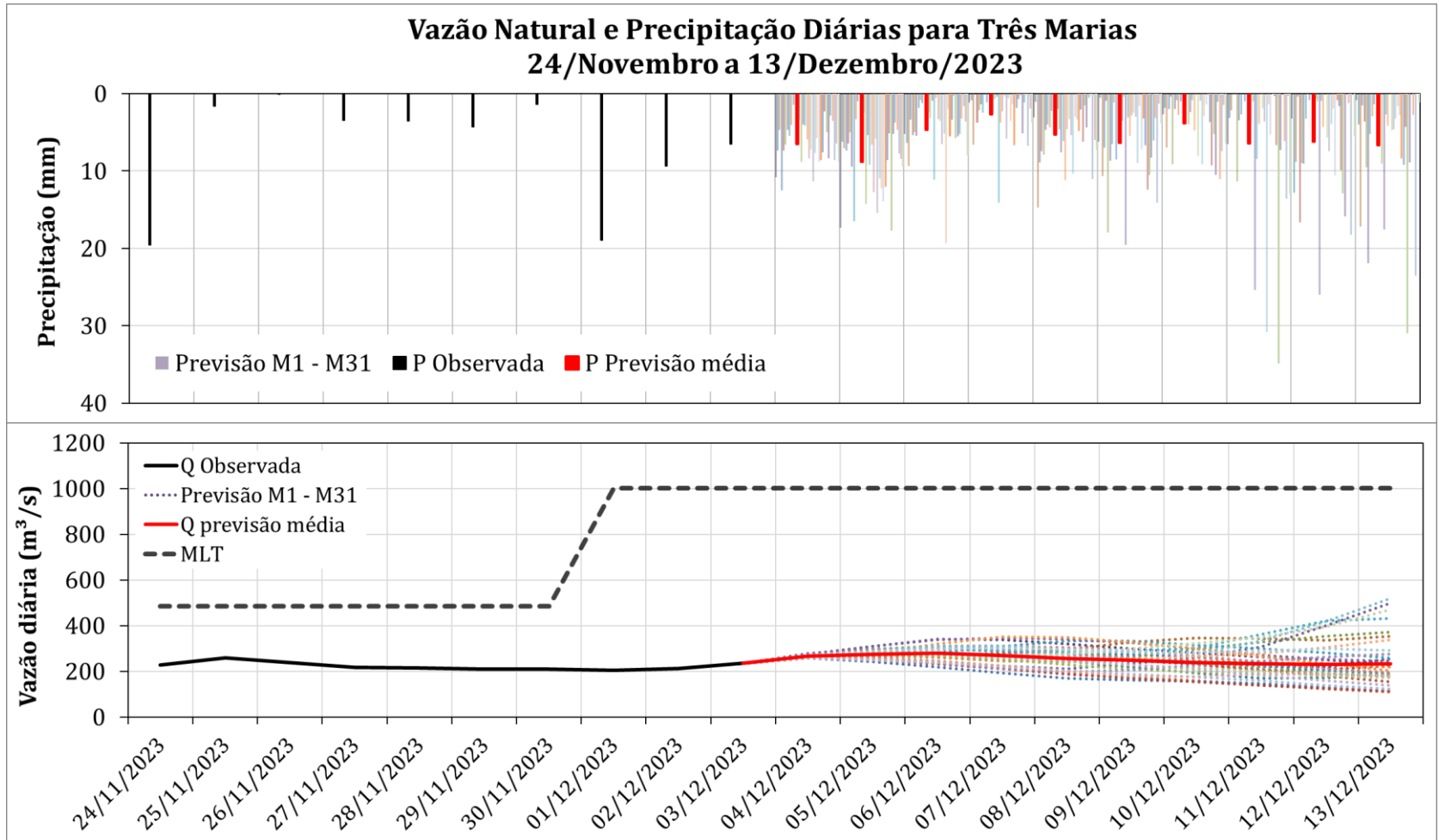
2022: 250 m³/s (96% da MLT)

2023: 211 m³/s (81% da MLT)

Novembro/23: 217 m³/s (45% da MLT)

30/Novembro: 210 m³/s (43% da MLT)

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



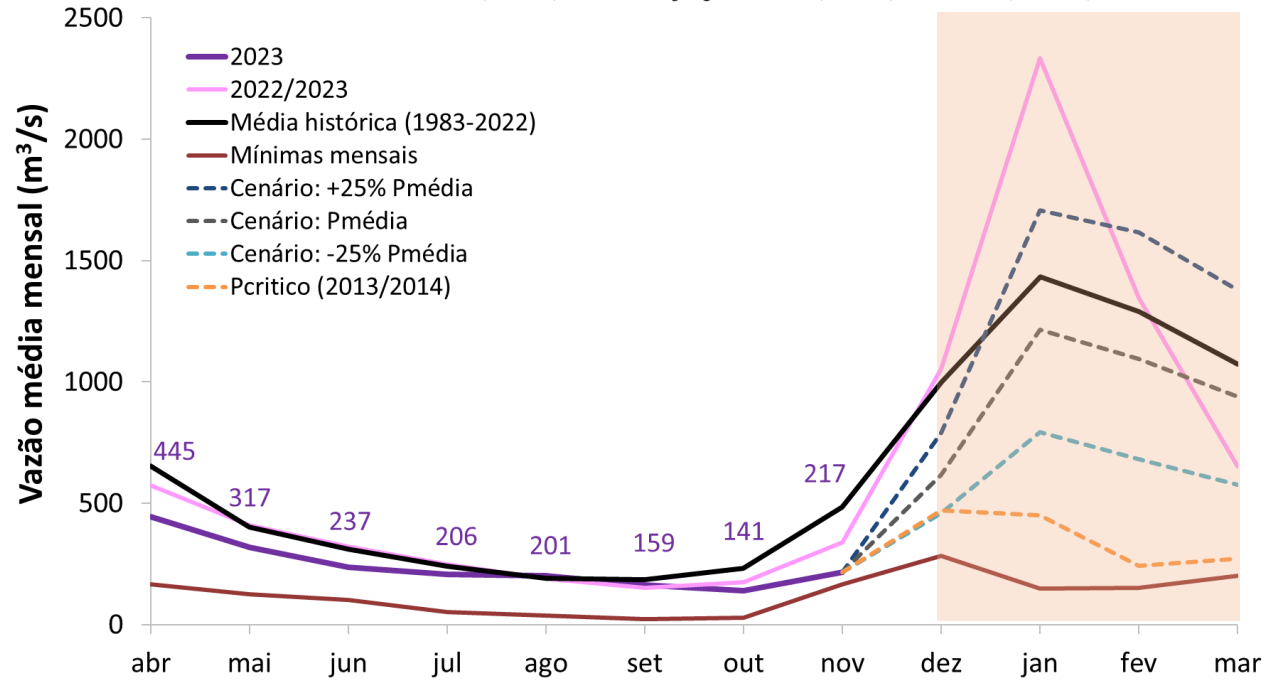
Dados **observados de precipitação** (barras pretas) para o período 24/11 a 03/12 e **previsão** para o período de 04/12 a 13/12
Dados **observados de vazão** (linha preta) para o período 24/11 a 03/12 e **previsão** para o período de 04/12 a 13/12
As barras coloridas correspondem às previsões da chuva 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: 253 m³/s

Valor inferior a MLT de Dezembro (1001 m³/s)

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

Histórico e simulação da vazão natural média mensal
 UHE Três Marias - Rio São Francisco
 Previsão: 04 a 13/Dez/23- Projeções: 14/Dez/23 a 31/Mar/24



Dezembro-Março

MLT: 1199 m³/s

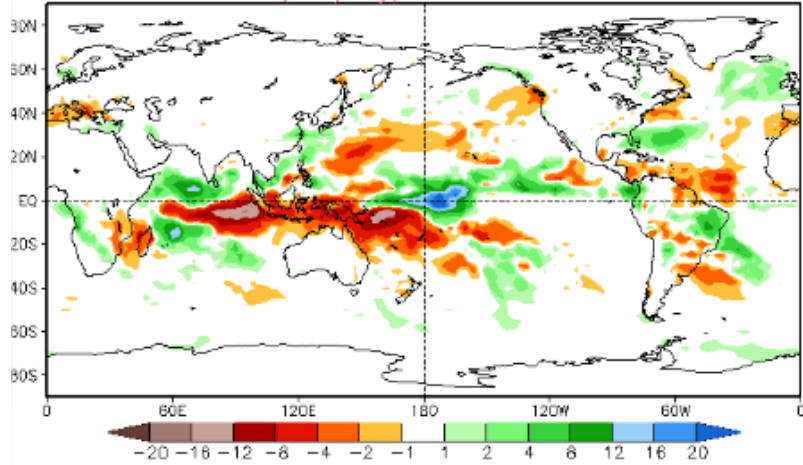
Vazão	% MLT
1373 m ³ /s	115%
967 m ³ /s	81%
628 m ³ /s	52%
358 m ³ /s	30%

Tendência 3a e 4a semanas

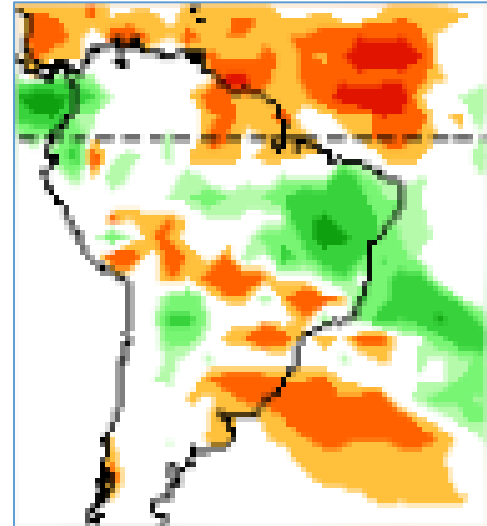
16 Member Ensemble Mean Forecast from 03Dec2023

Week 3 Anomalies (mm/day)

18Dec2023-24Dec2023

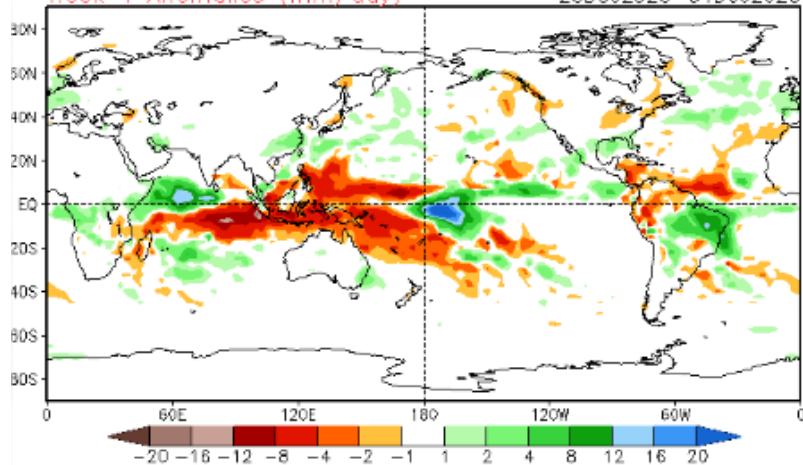


18-24/12

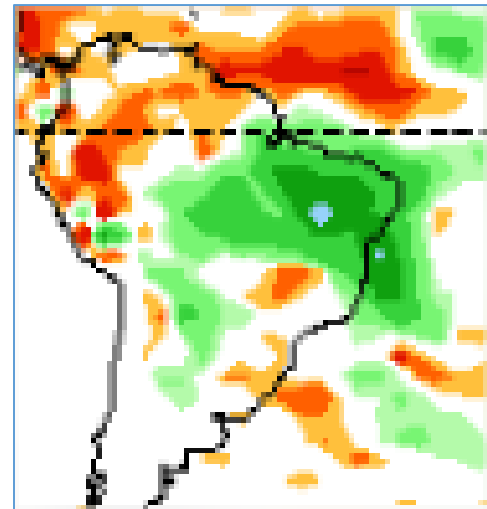


Week 4 Anomalies (mm/day)

25Dec2023-31Dec2023

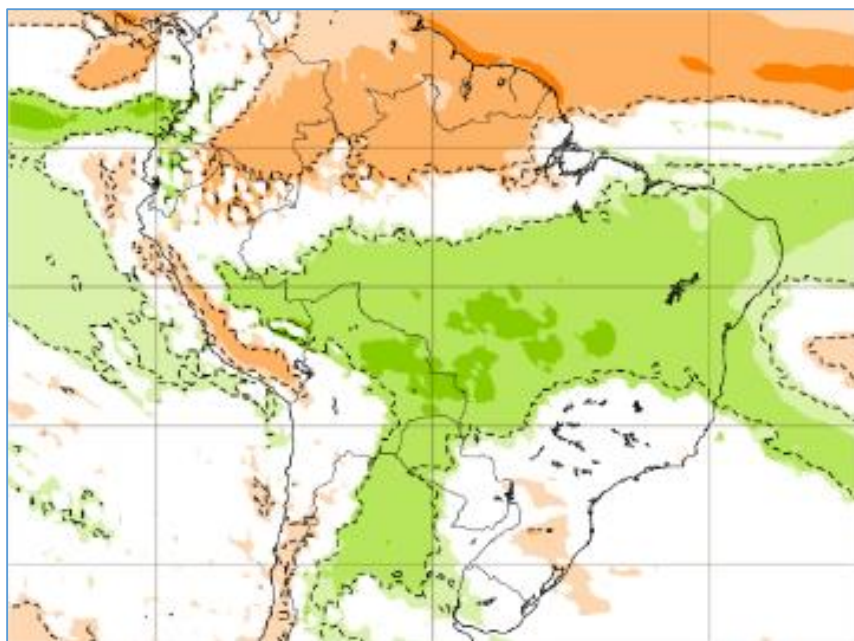


25-31/12

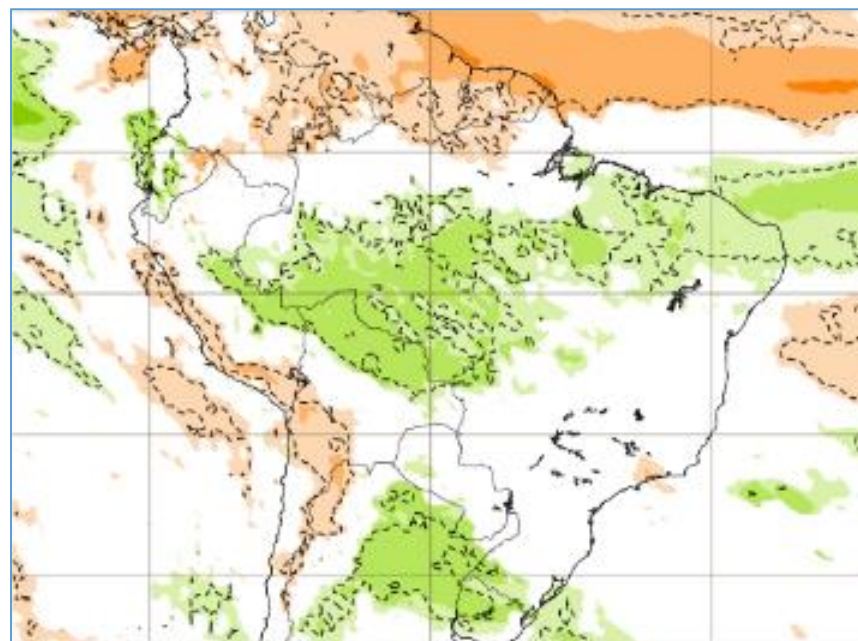


Tendência para 3ª e 4ª semanas

18-25 DEZEMBRO

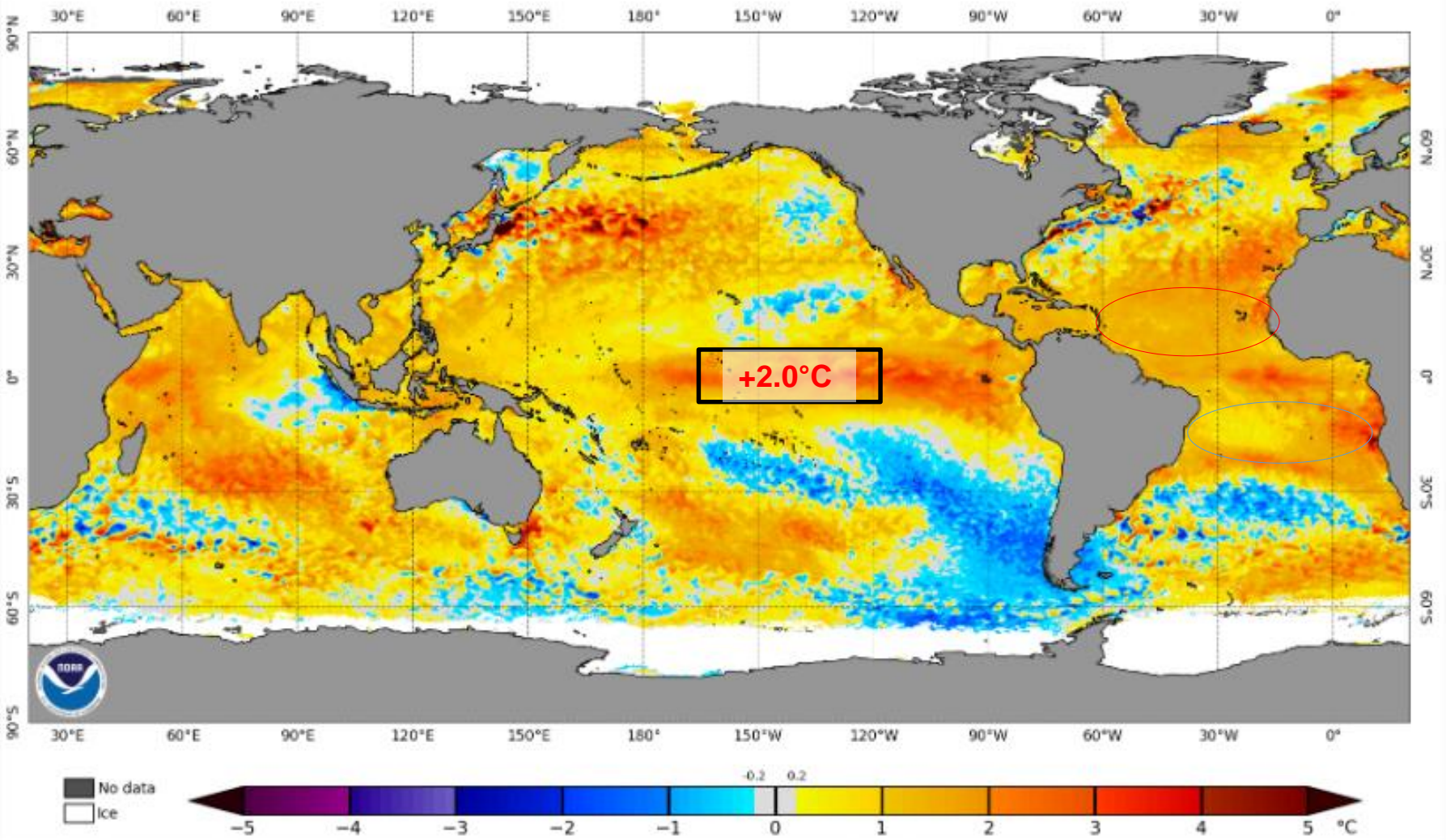


25 DEZ-01/ JAN



Status Atual: El Niño

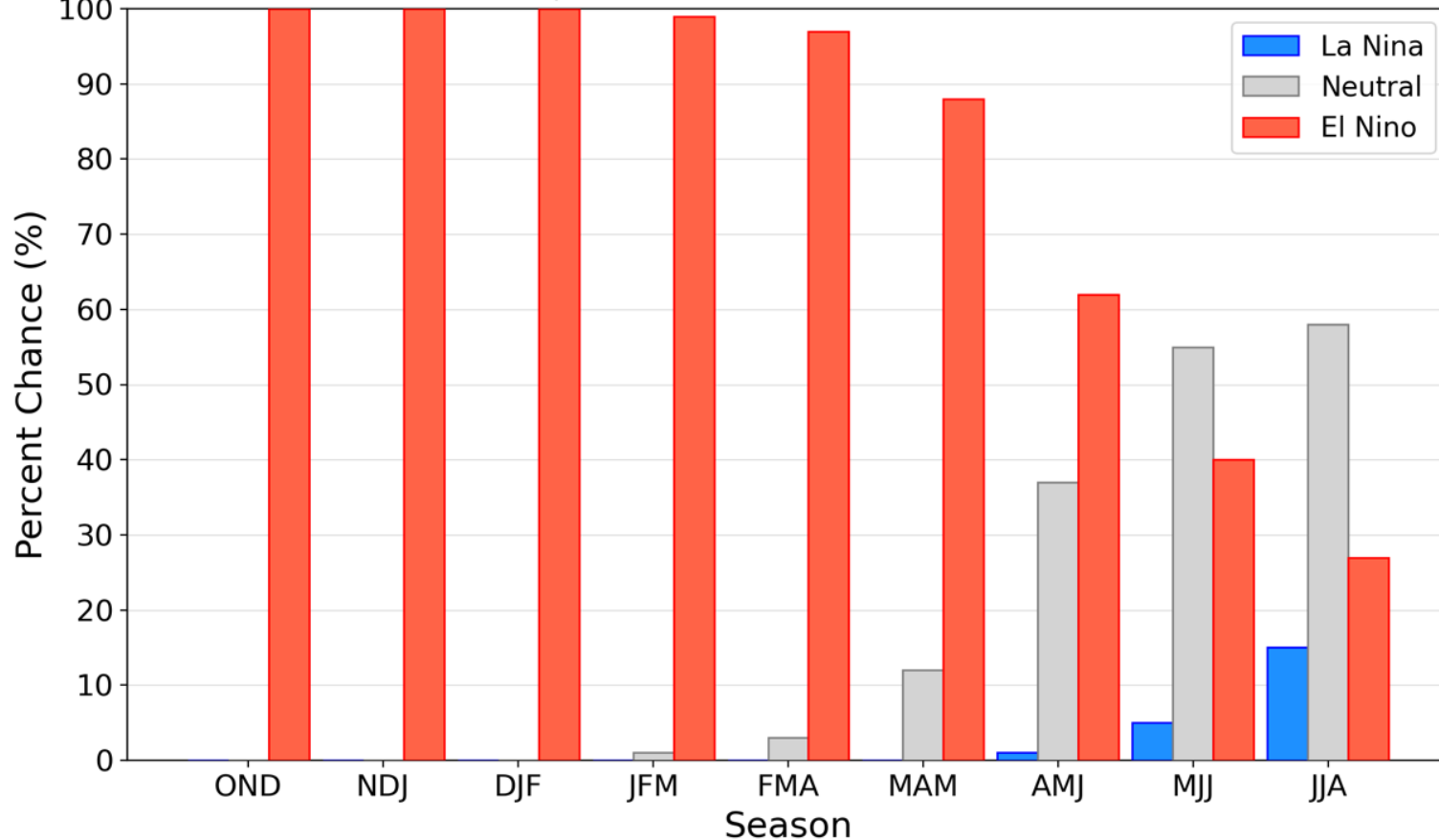
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 2 Dec 2023



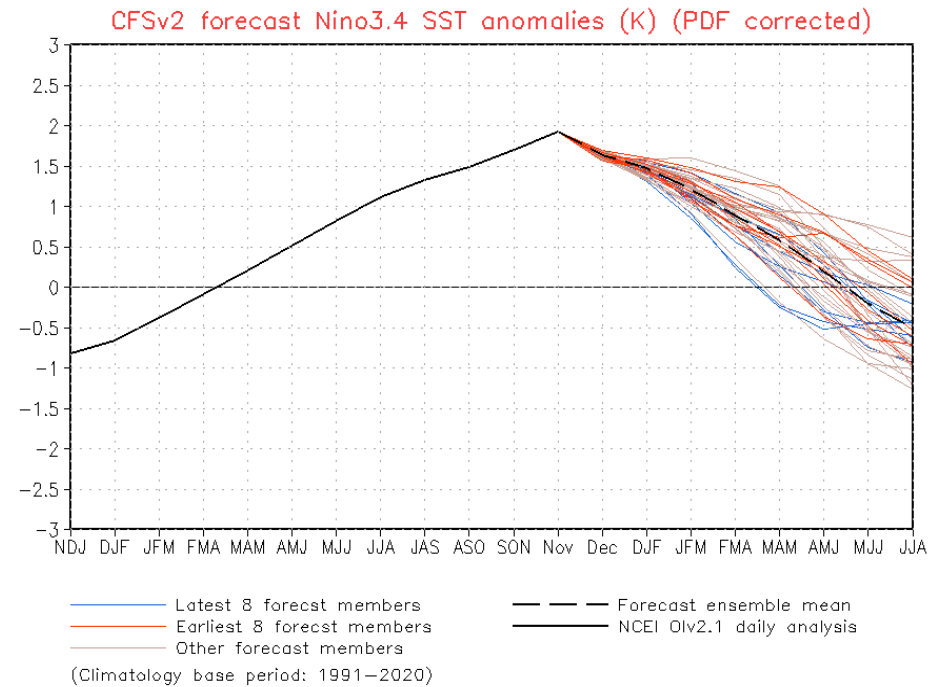
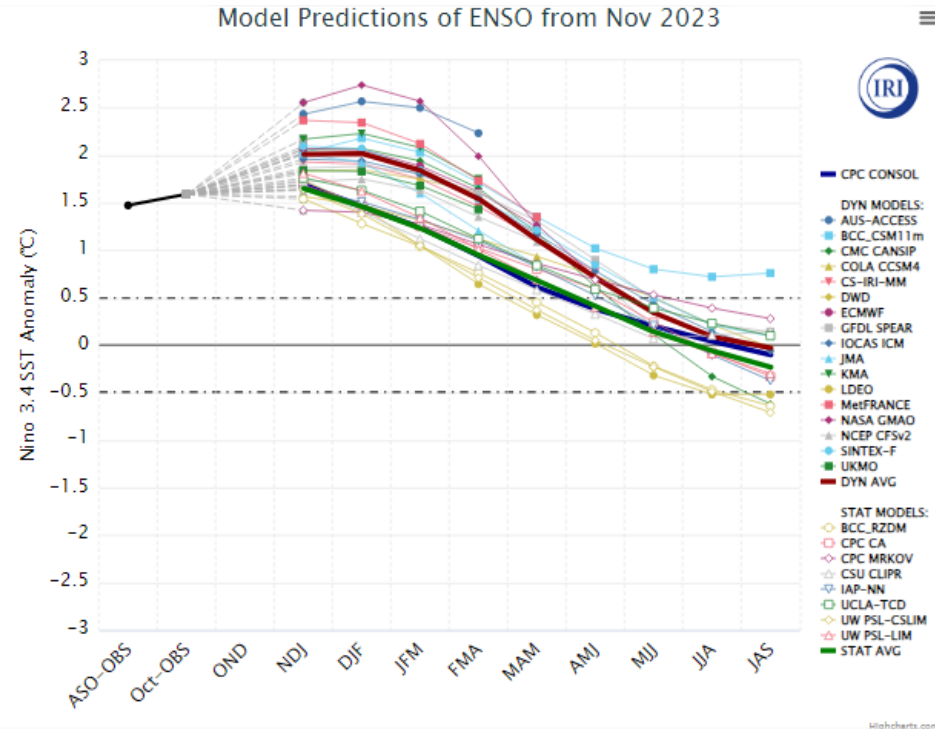
Previsão do “ENSO”

Official NOAA CPC ENSO Probabilities (issued Nov. 2023)

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

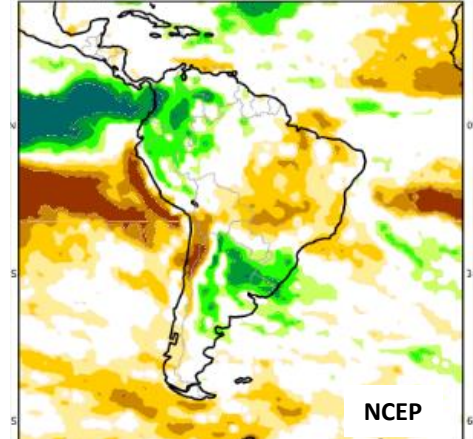
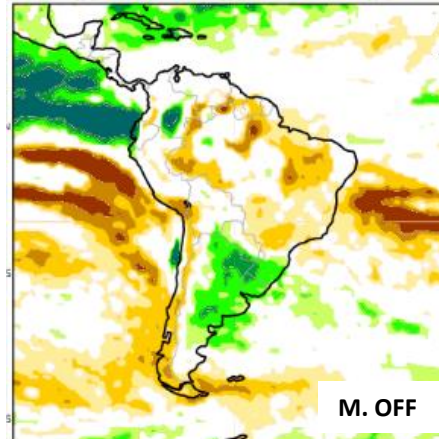
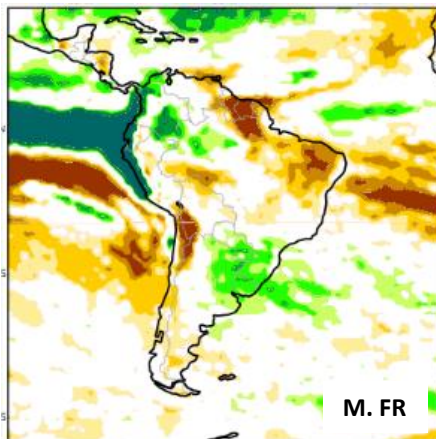
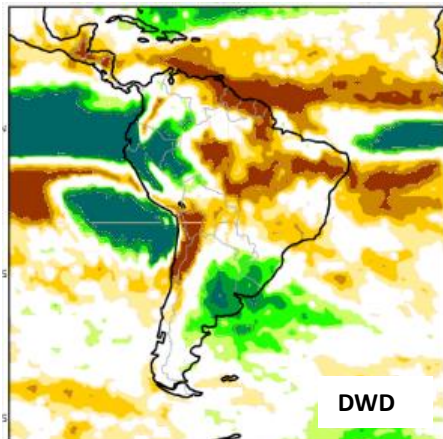
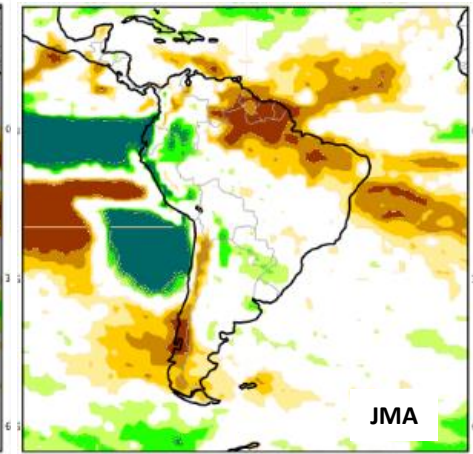
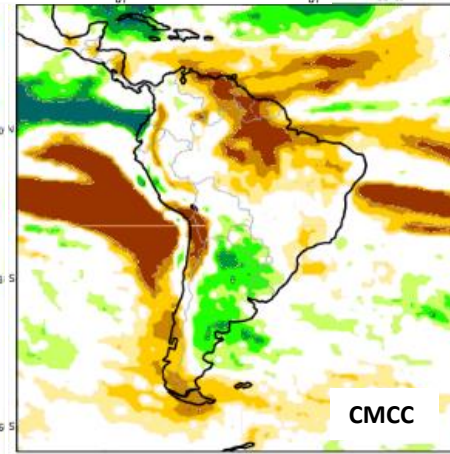
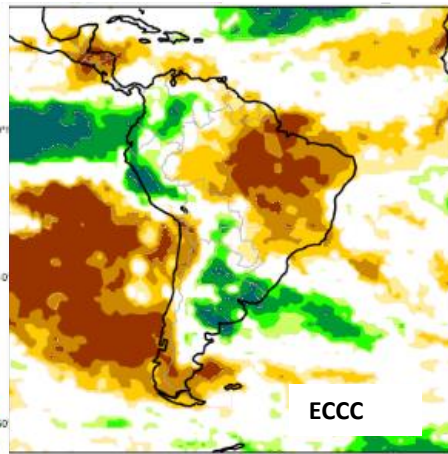
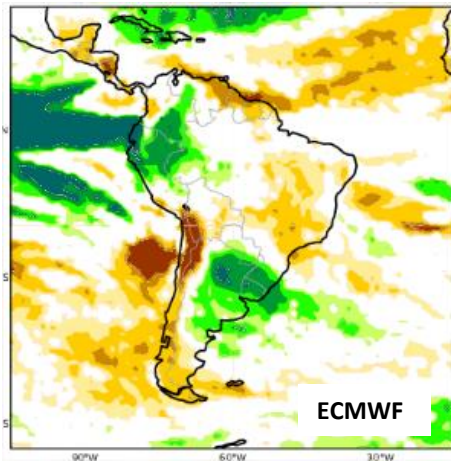
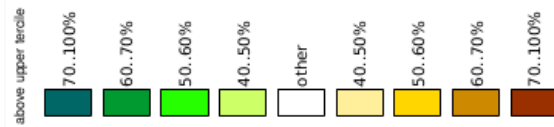


Previsão do “ENSO”



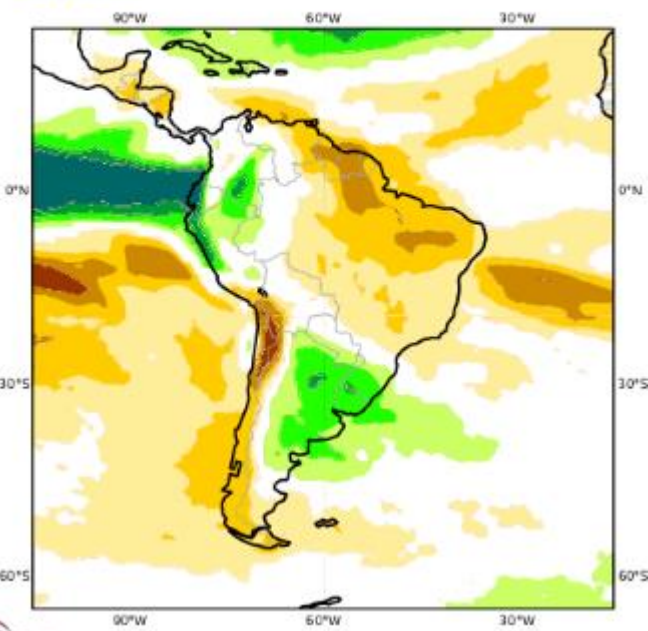
FONTE: NOAA

Previsão Sazonal de Chuva DJF

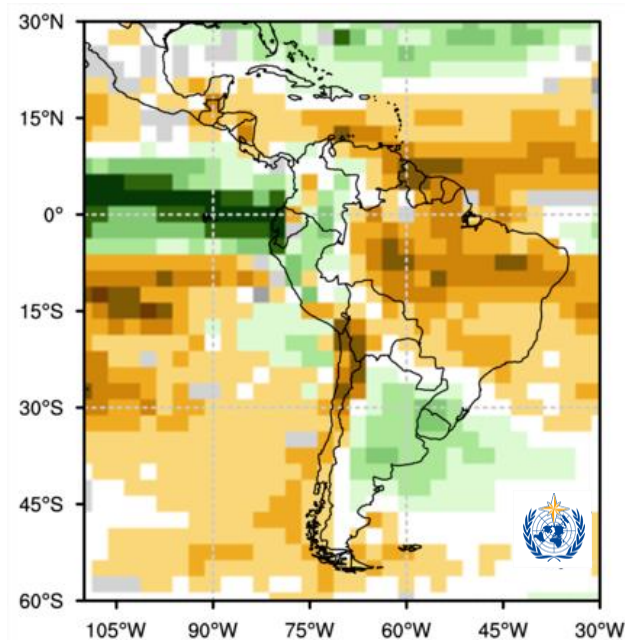


Previsão Sazonal de Chuva Multi-Modelo DJF

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/11/23
Unweighted mean

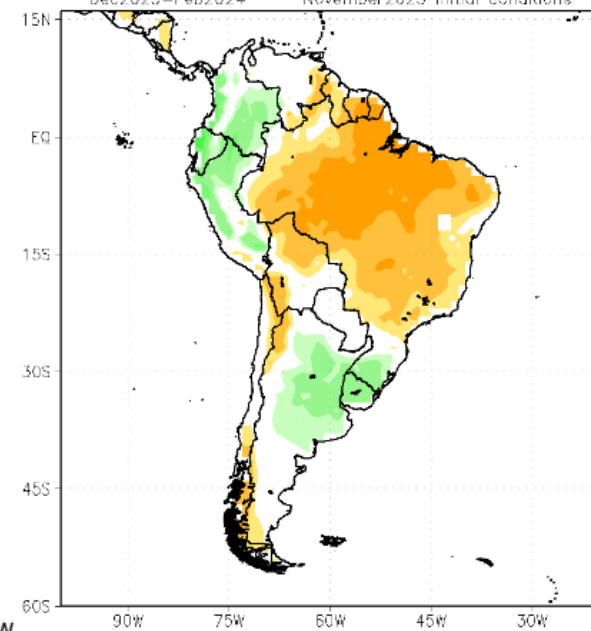


Modelos Europeus



Modelos da Organização
Meteorológica Mundial

NMME Precipitation Anomalies (mm/day)
Dec2023–Feb2024
November2023 initial conditions



Modelos Americanos