

Monitoramento e Previsões para a Bacia do rio Tocantins

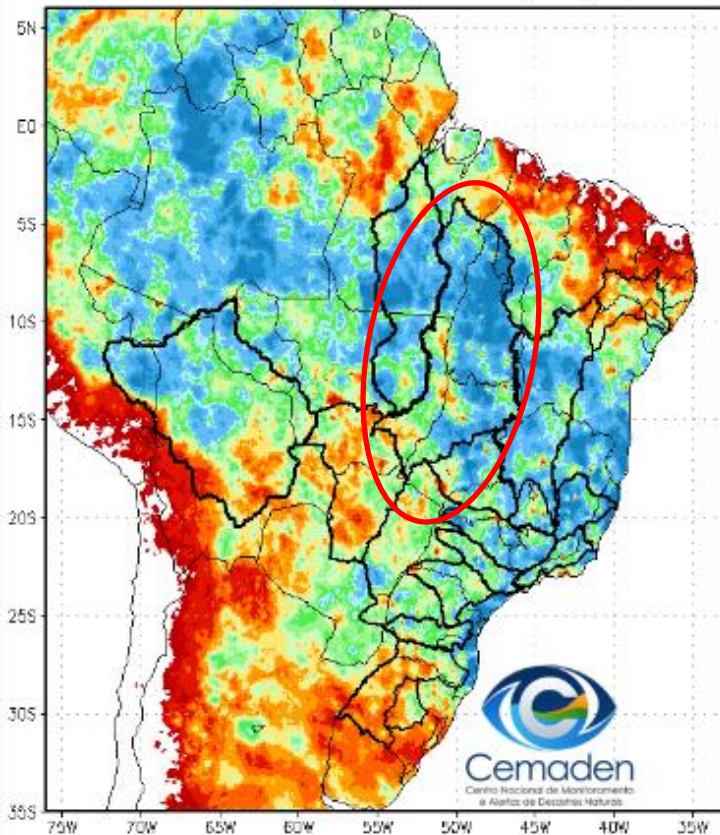


Cemaden
Centro Nacional de Monitoramento
e Alertas de Desastres Naturais

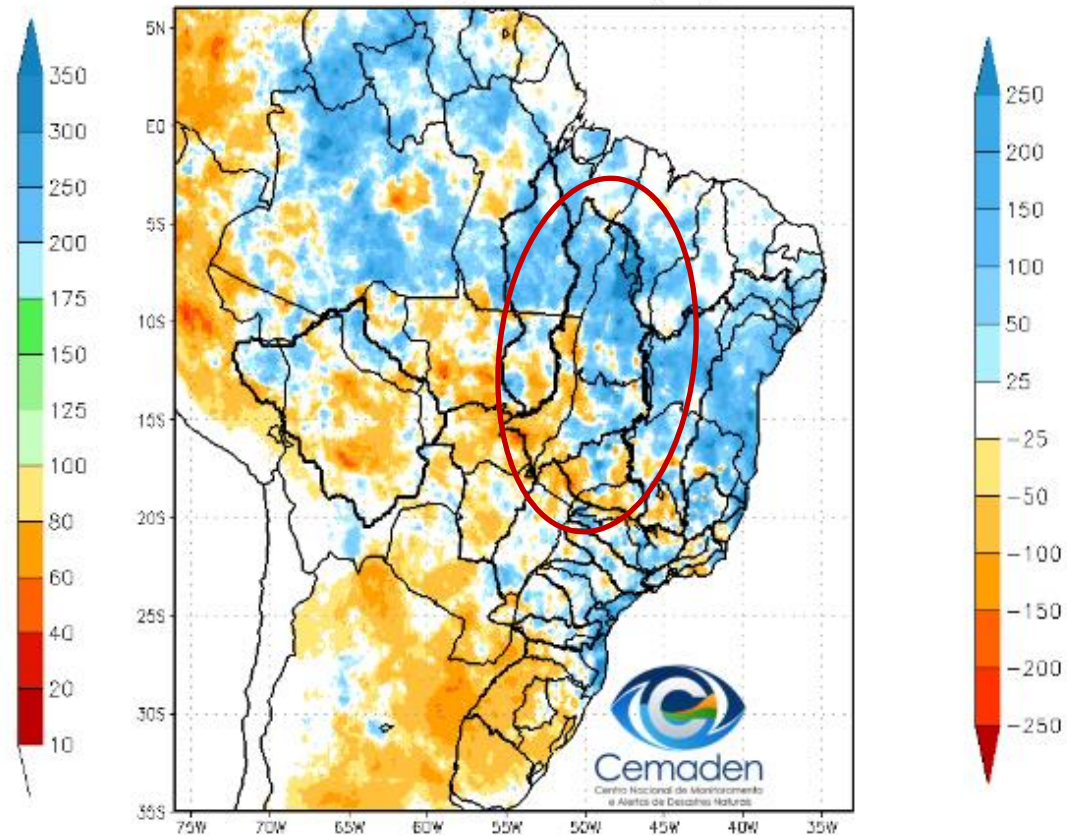
14 de Dezembro de 2022

Precipitação acumulada nos últimos 30 dias

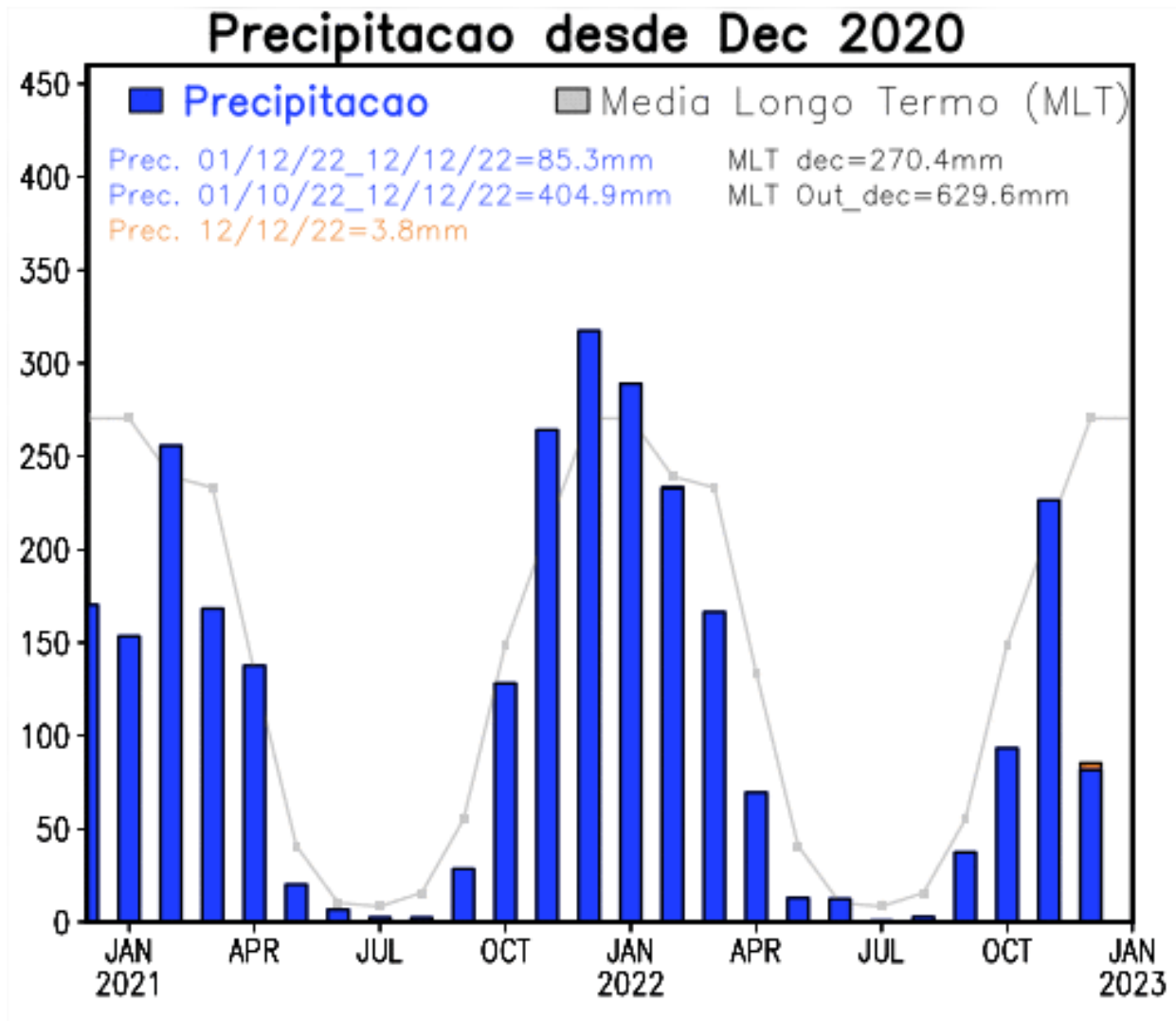
Precipitação Acumulada (mm) A.S.
Período: 13/11/2022 a 13/12/2022



Anomalia de Precipitação (mm) A.S.
Período: 13/11/2022 a 13/12/2022

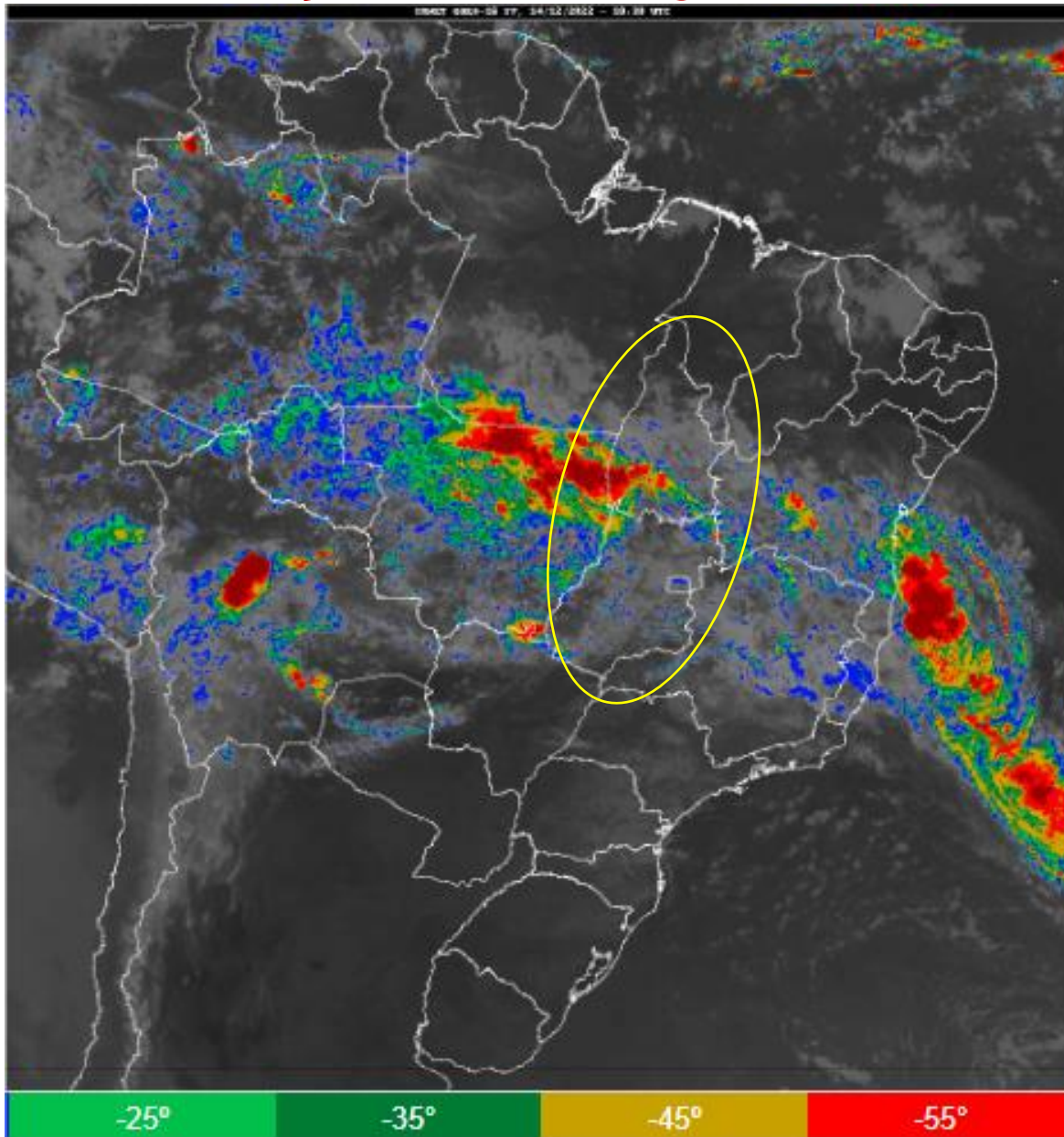


Evolução da Precipitação



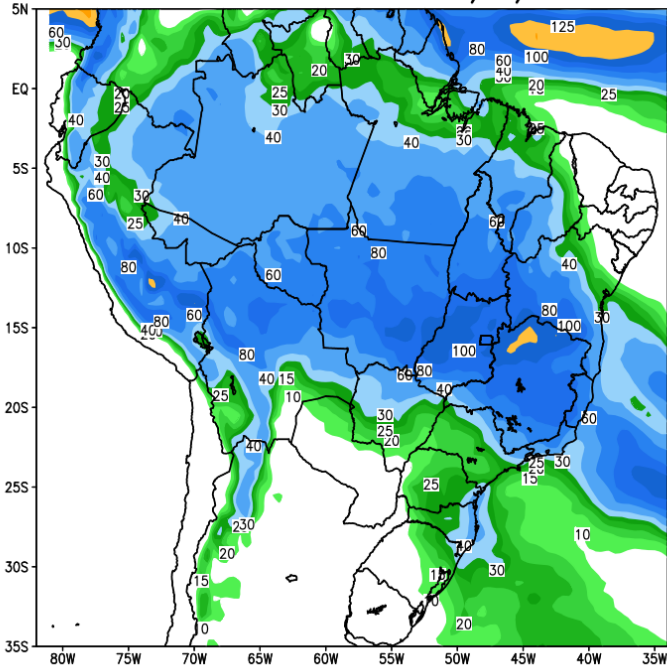
FONTE:
INPE

Situação meteorológica atual

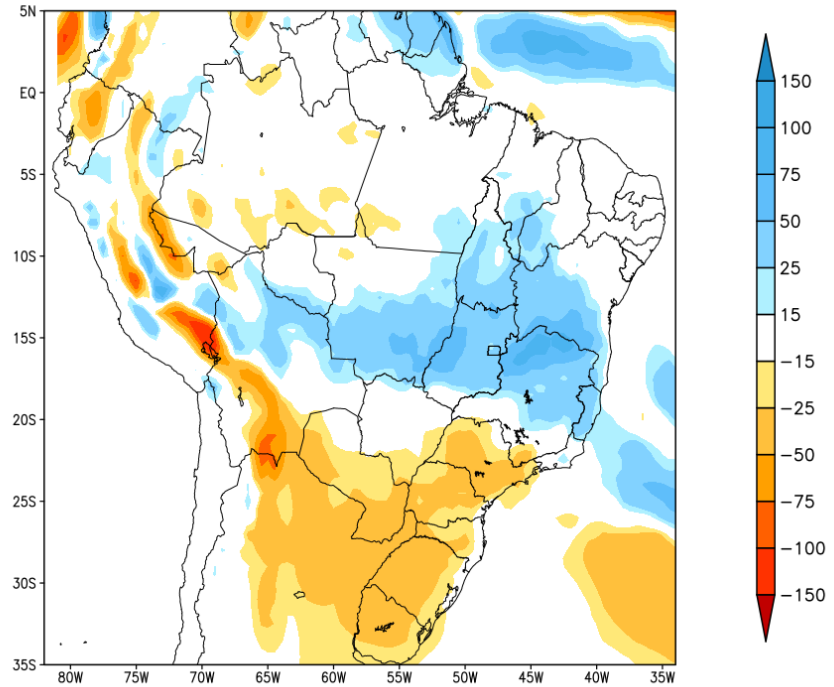


Previsão de chuva próximos 7 dias

GEFS / BRASIL
Precipitacao acumulada 1aSem (mm)
Previsao das 00Z dia 14/12/2022



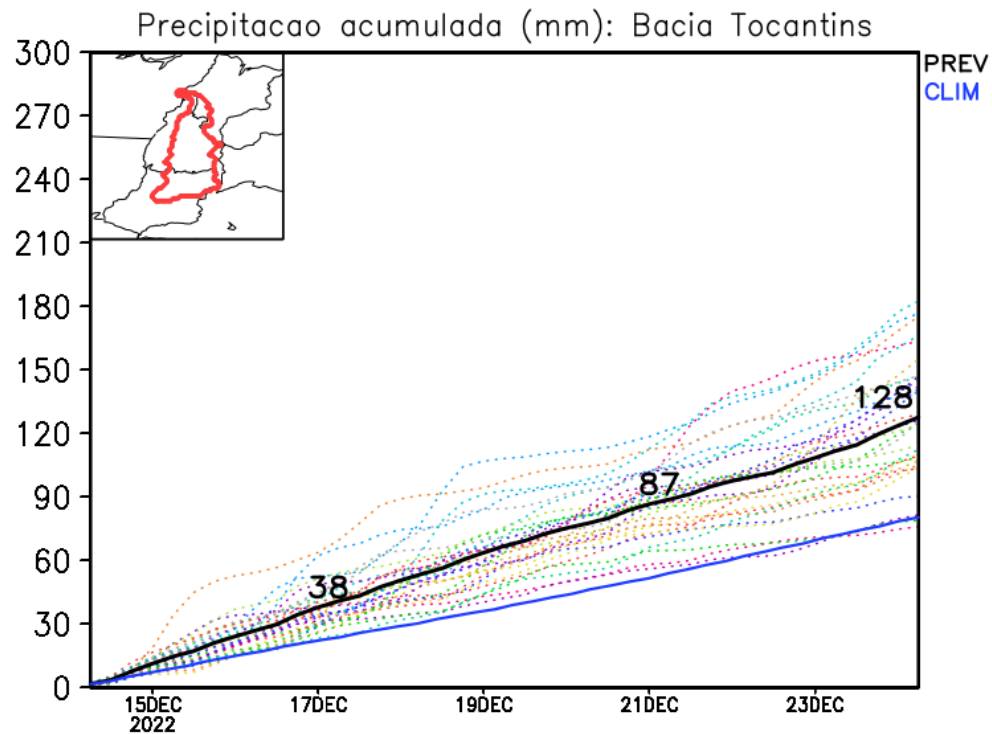
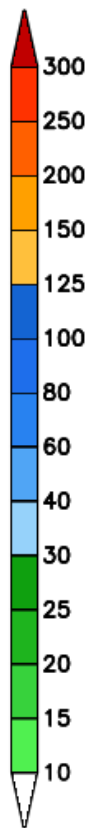
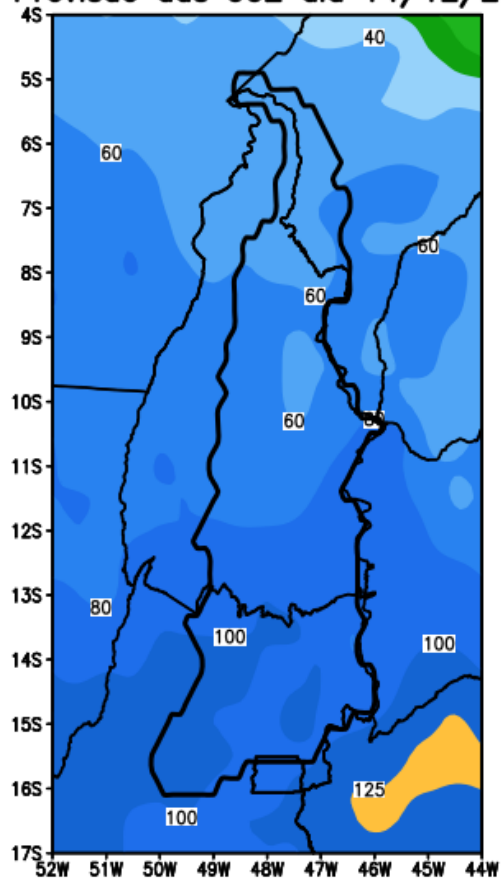
Anomalia de Precipitacao BR (mm)
Periodo: 2022121400 a 2022122100



Fonte: GFS/NOAA

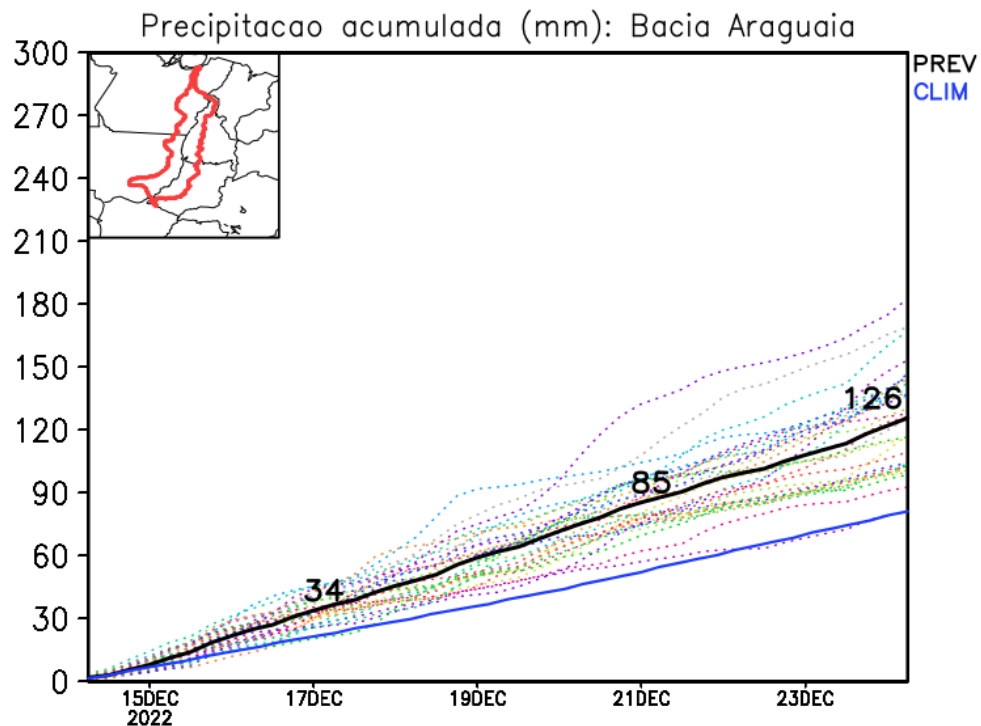
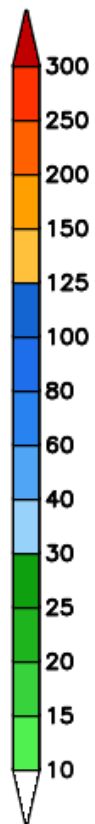
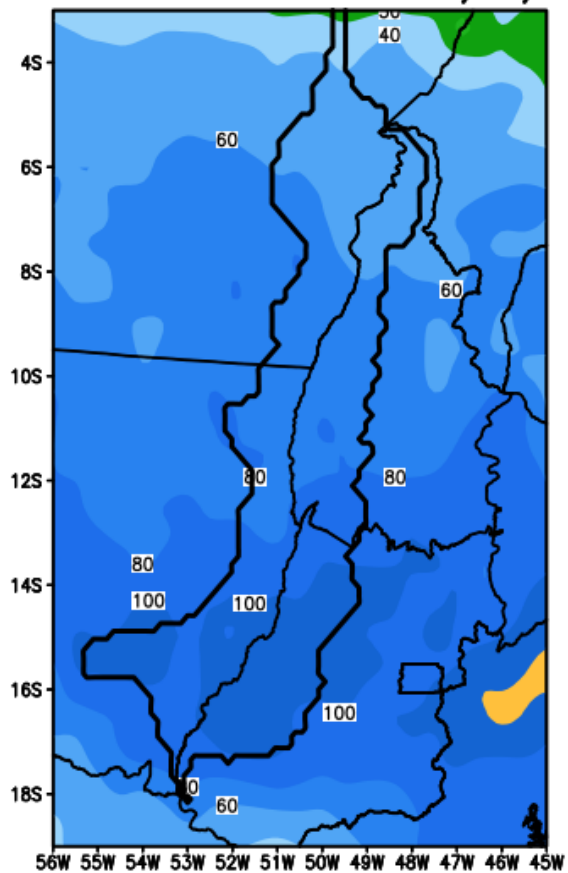
Previsão Bacia Rio Tocantins

GEFS / Bacia Tocantins
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 14/12/2022



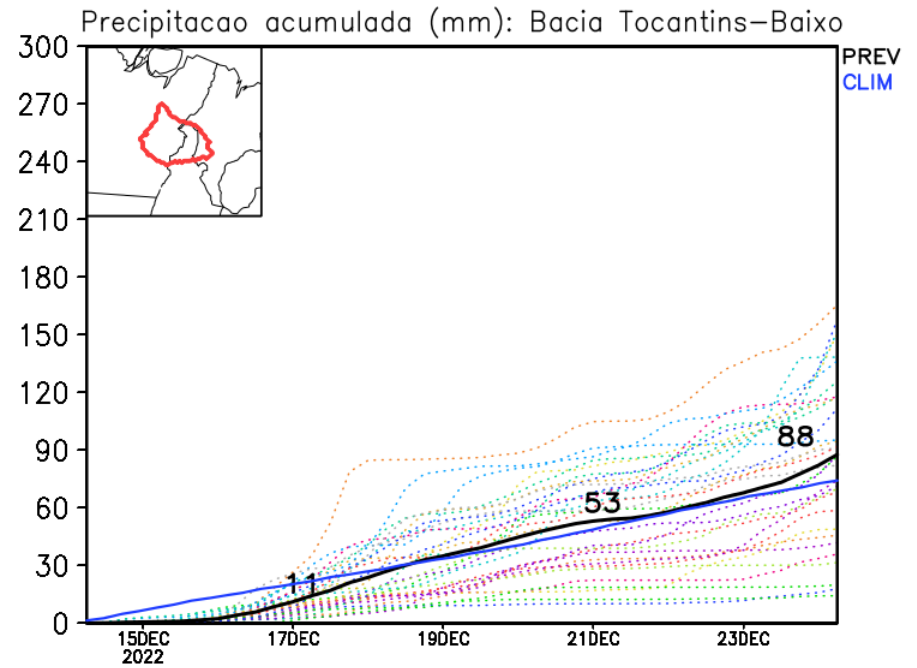
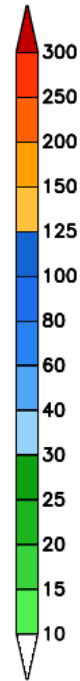
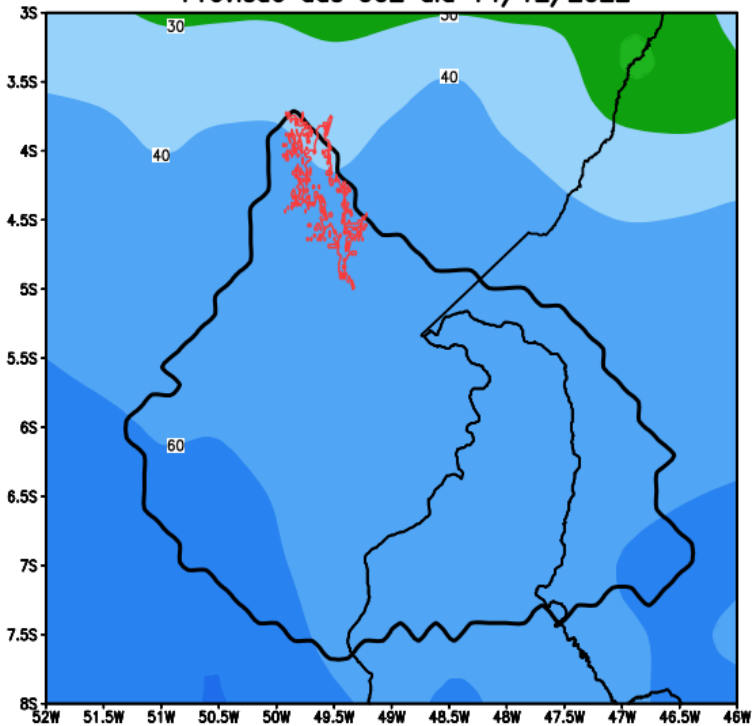
Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia
Precipitação acumulada em 7 dias (mm)
Previsão das 00Z dia 14/12/2022



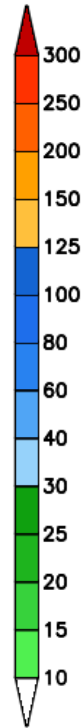
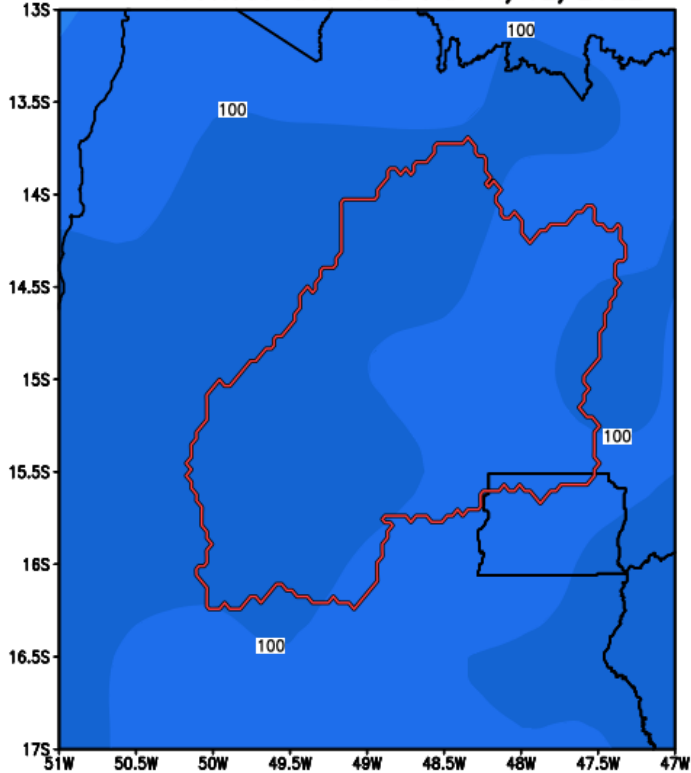
Previsão Bacia Tocantins (Baixo)

GEFS / Bacia Baixo Tocantins
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 14/12/2022

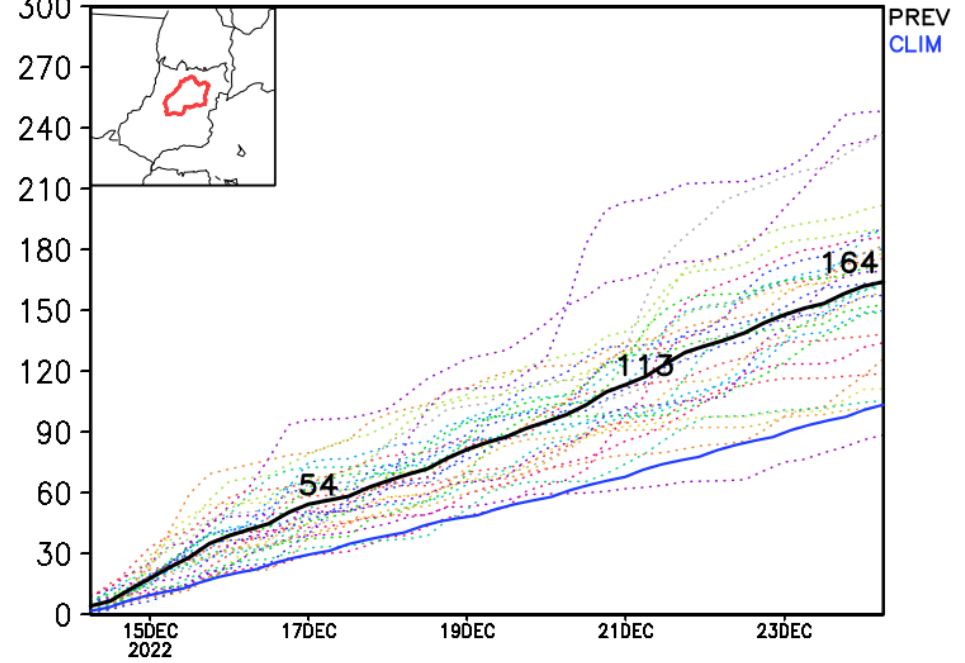


Previsão Bacia Serra da Mesa

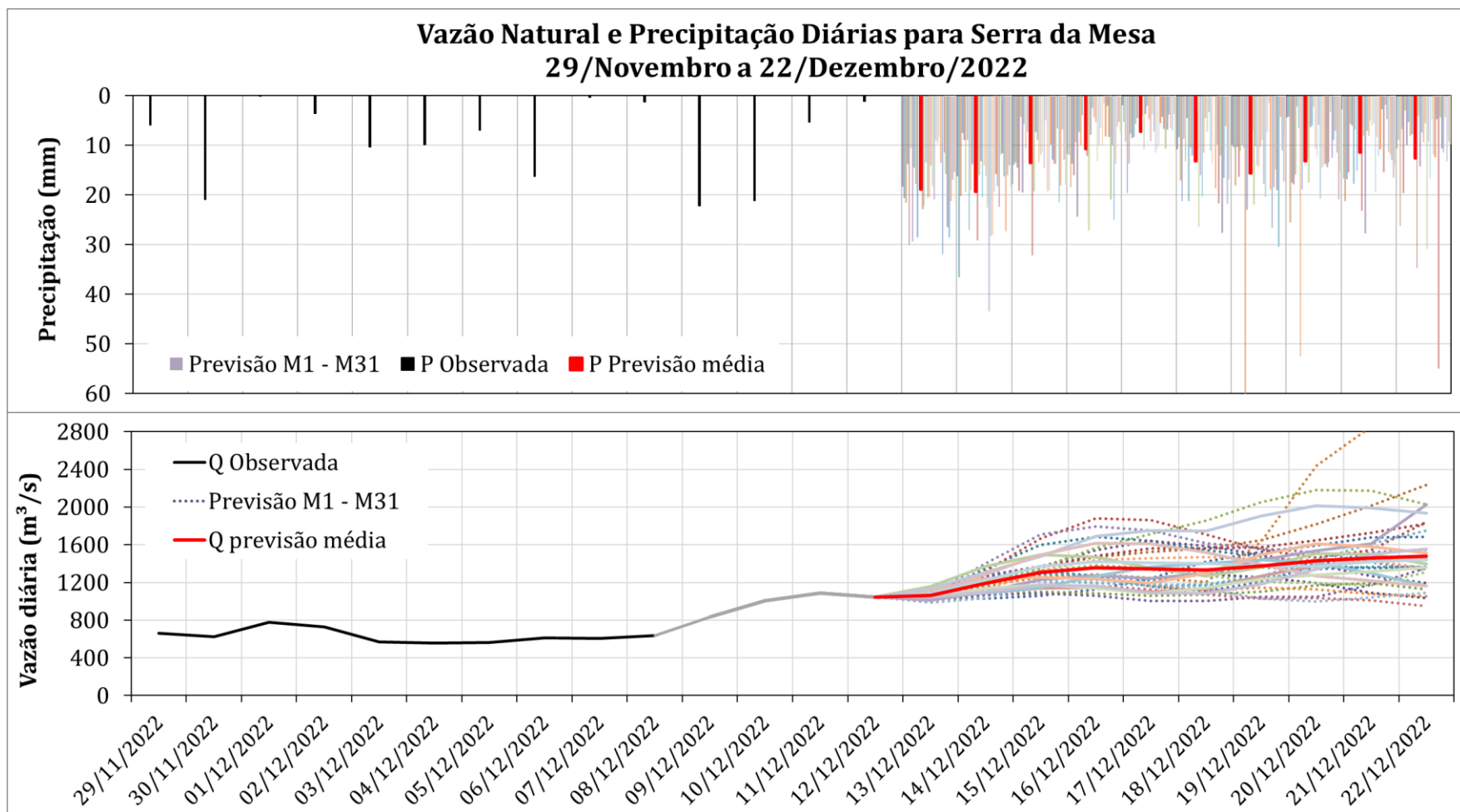
GEFS / Bacia Serra da Mesa
Precipitacao acumulada em 7 dias (mm)
Previsao das 00Z dia 14/12/2022



Precipitacao acumulada (mm): Bacia SerradaMesa



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



Dados observados de precipitação (barras pretas) de 29/11 a 12/12 e previsão (barras coloridas) para o período de 13 a 22/12/22.
Dados observados de vazão (linha preta) de 29/11 a 08/12 e previsão (linhas pontilhadas coloridas) para o período de 13 a 22/12/22.

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

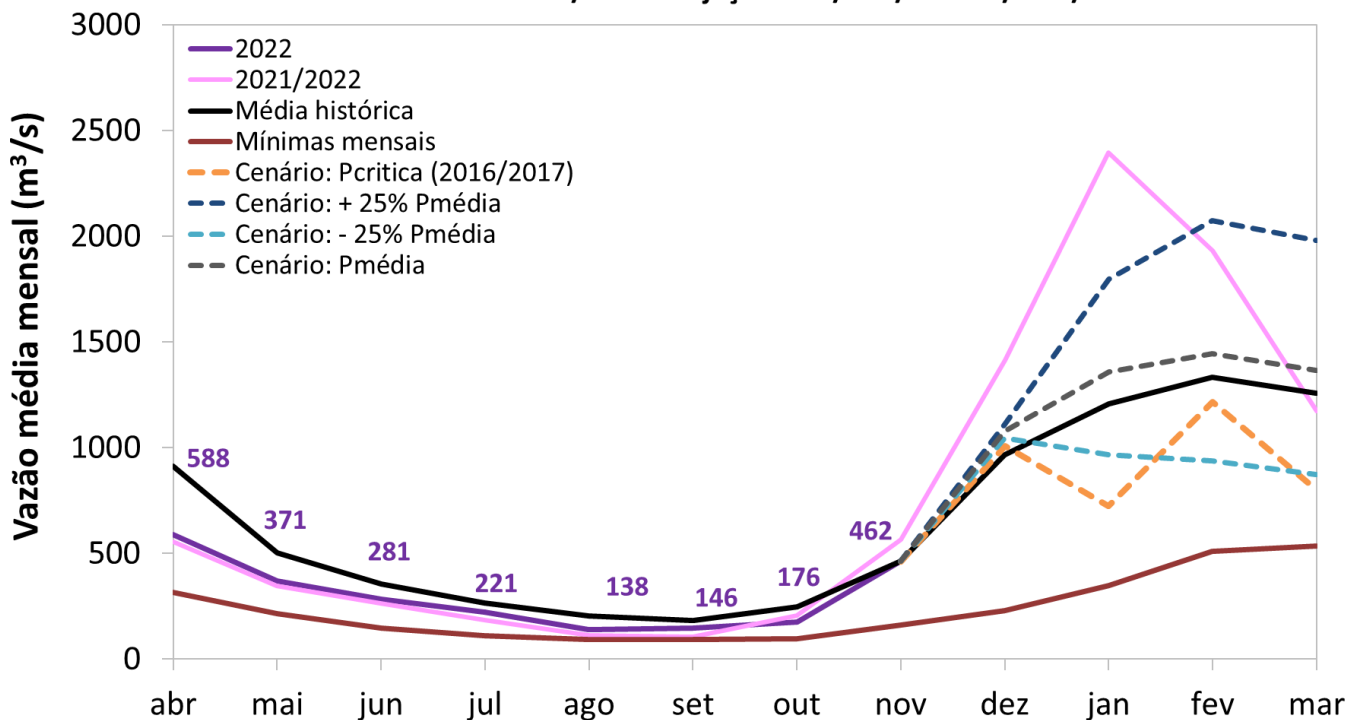
A linha vermelha representa a média dos 31 membros de previsão de vazão do modelo PDM-CEMADEN

A linha cinza corresponde aos dias onde a vazão foi simulada usando dados observados de precipitação (entre 09 a 12/12/22)

A média de vazão diária prevista para os próximos 10 dias: 1334 m³/s

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: 13 a 22/Dez - Projeções: 23/Dez/22 a 31/Mar/23



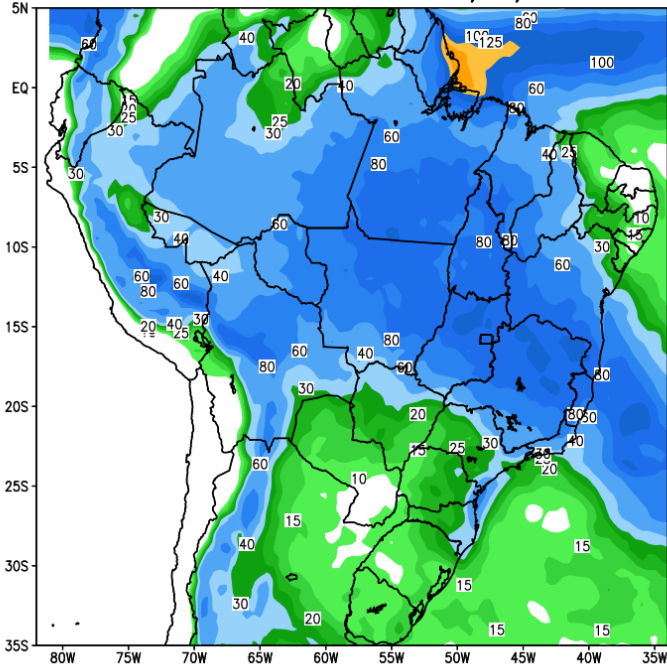
DEZ-MAR
MLT: 1190 m³/s

Vazão	% MLT
1739 m³/s	146%
1312 m³/s	110%
956 m³/s	80%
937 m³/s	79%

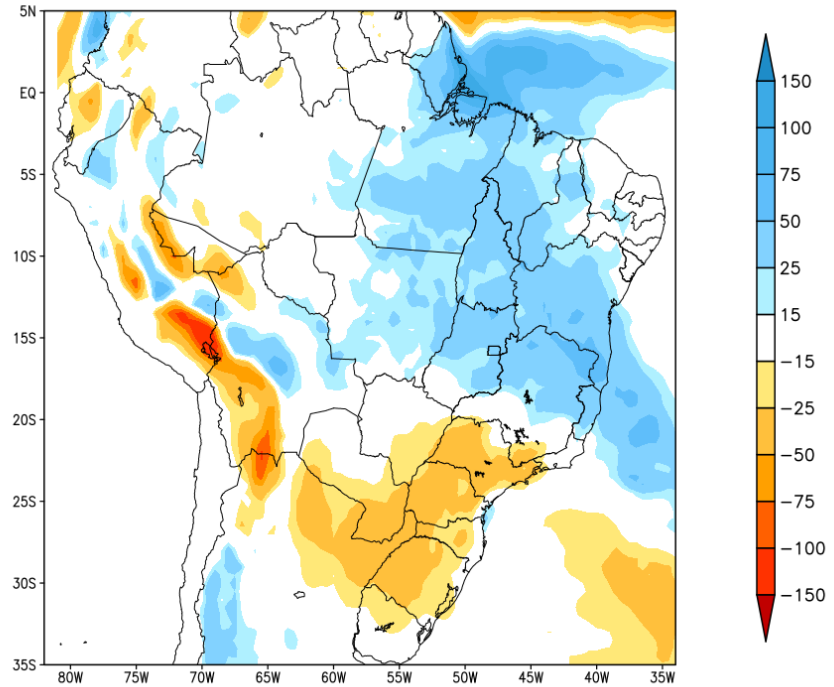
Média de Longo Termo (MLT): 1983-2021

Tendência para a 2a Semana

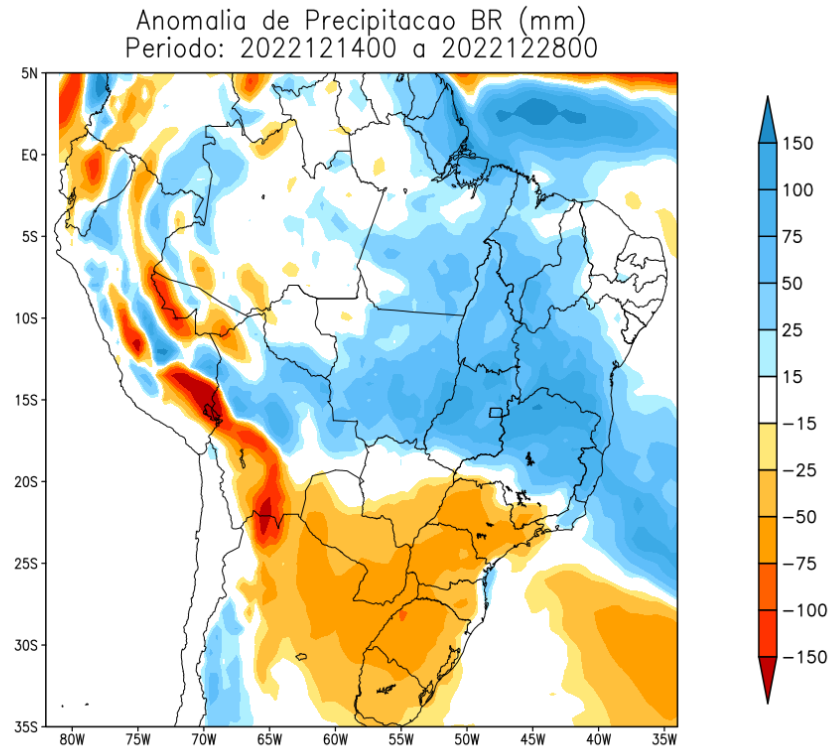
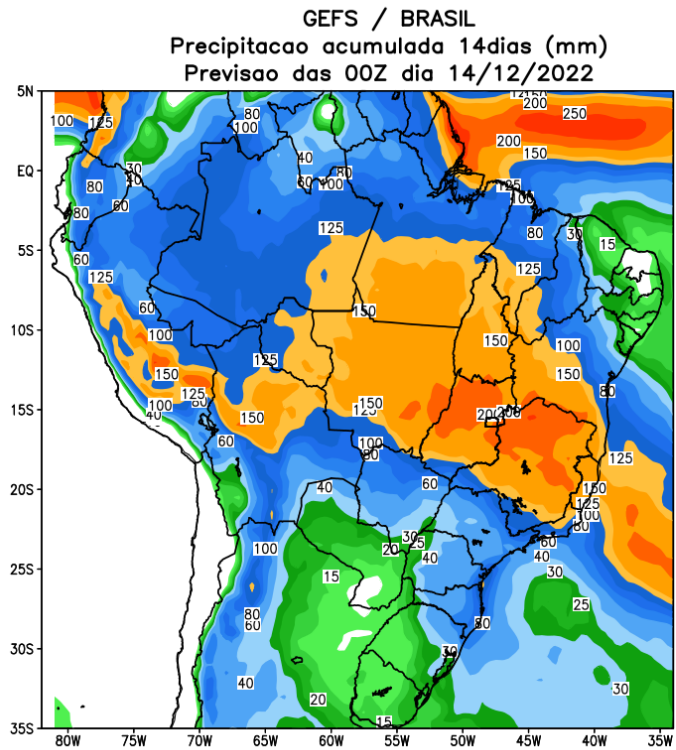
GEFS / BRASIL
Precipitacao acumulada 2aSem (mm)
Previsao das 00Z dia 14/12/2022



Anomalia de Precipitacao BR (mm)
Periodo: 2022122200 a 2022122800

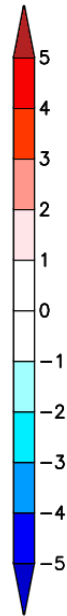
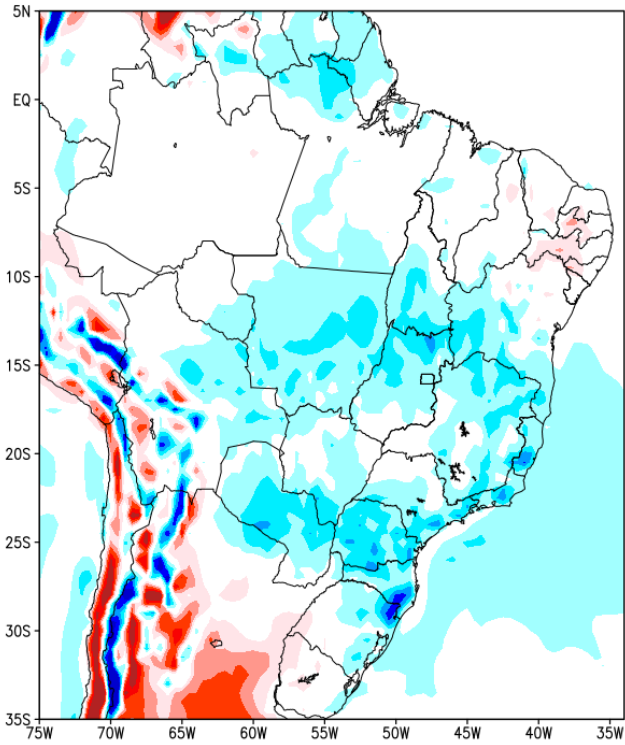


Tendência para as próximas duas semanas

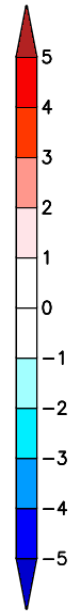
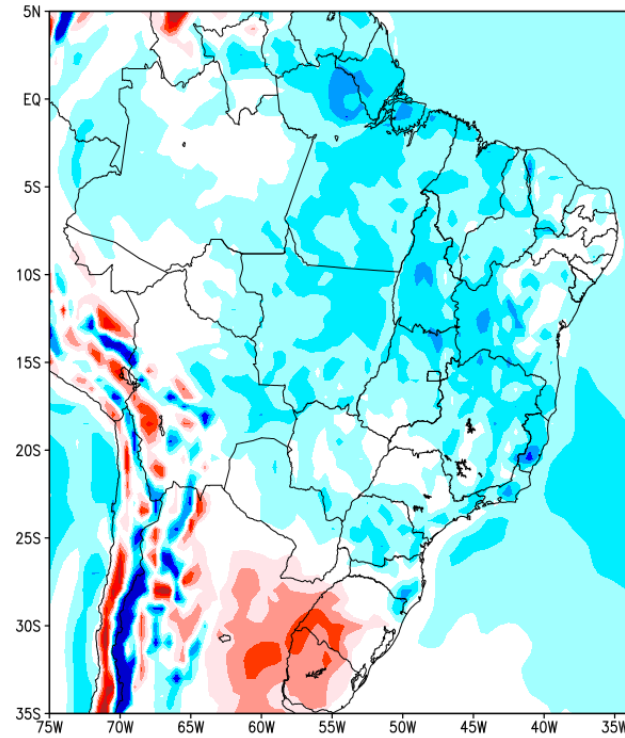


Previsão de Temperatura

Anomalia de Temperatura BR (C)
Período: 2022121400 a 2022122100



Anomalia de Temperatura BR (C)
Período: 2022122200 a 2022122800

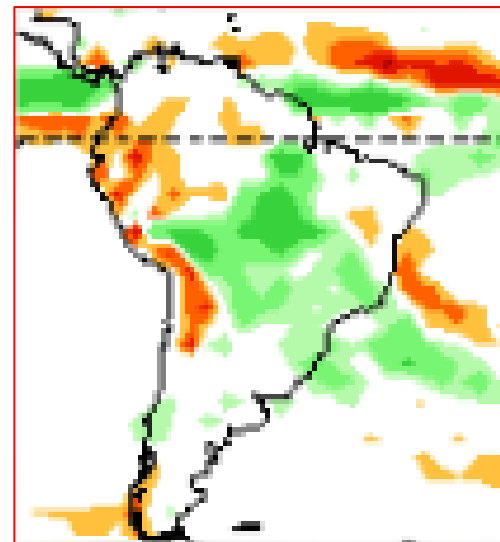
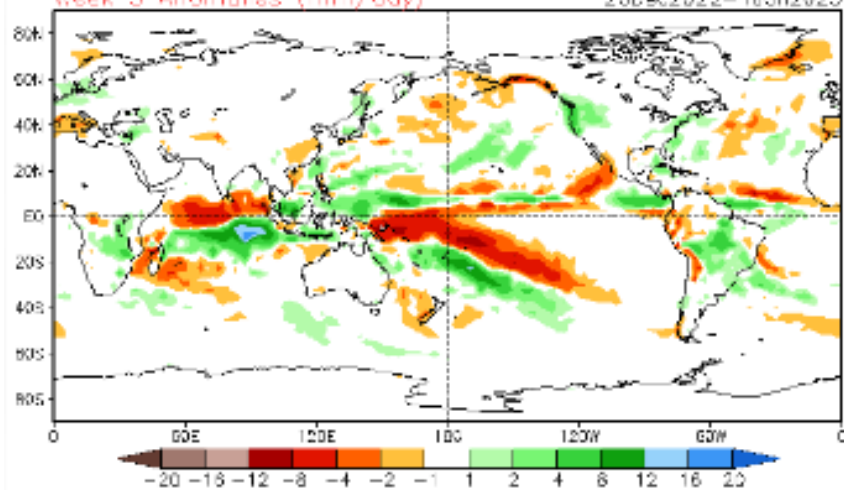


Tendência 3a e 4a semanas

16 Member Ensemble Mean Forecast from 11Dec2022

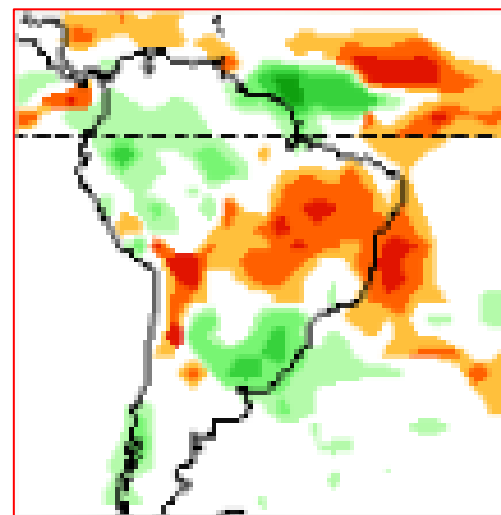
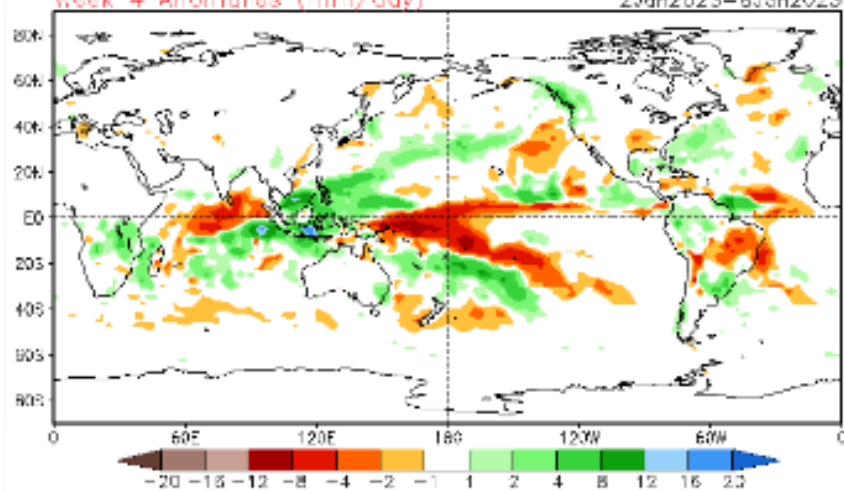
Week 3 Anomalies (mm/day)

26Dec2022-1Jan2023



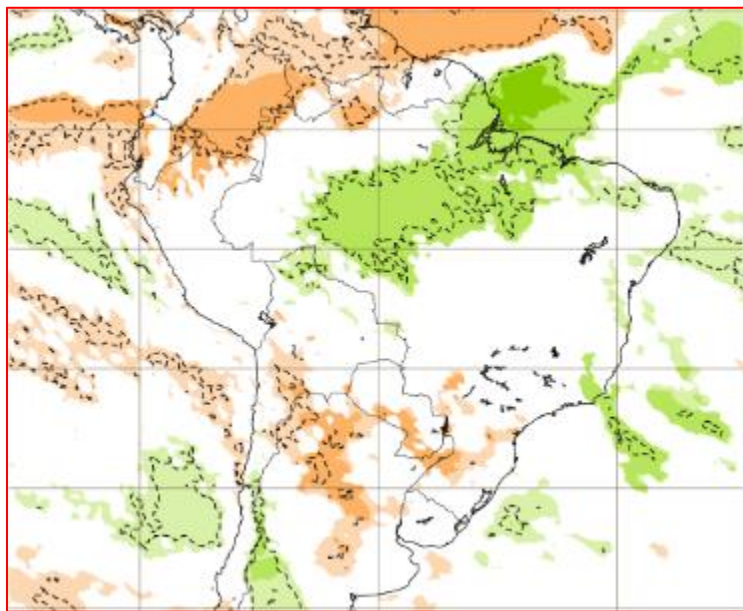
Week 4 Anomalies (mm/day)

2Jan2023-8Jan2023

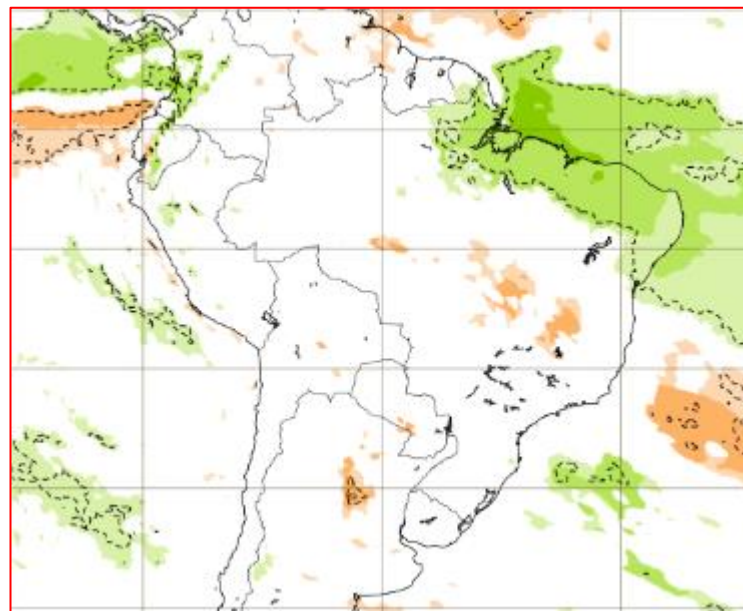


Tendência para 3ª e 4ª semanas

26/12-06/01

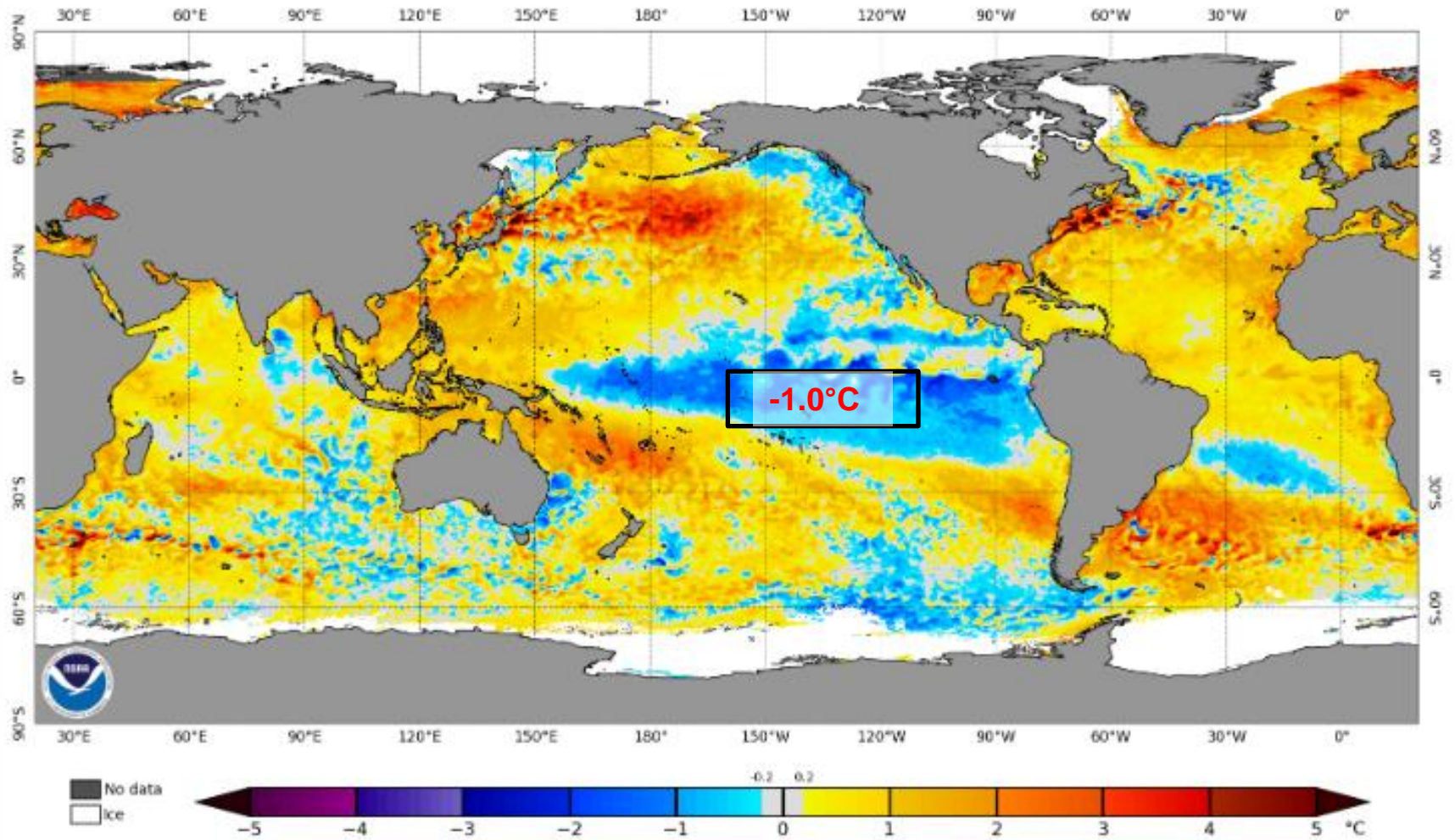


06-13/01



Status Atual: La Niña

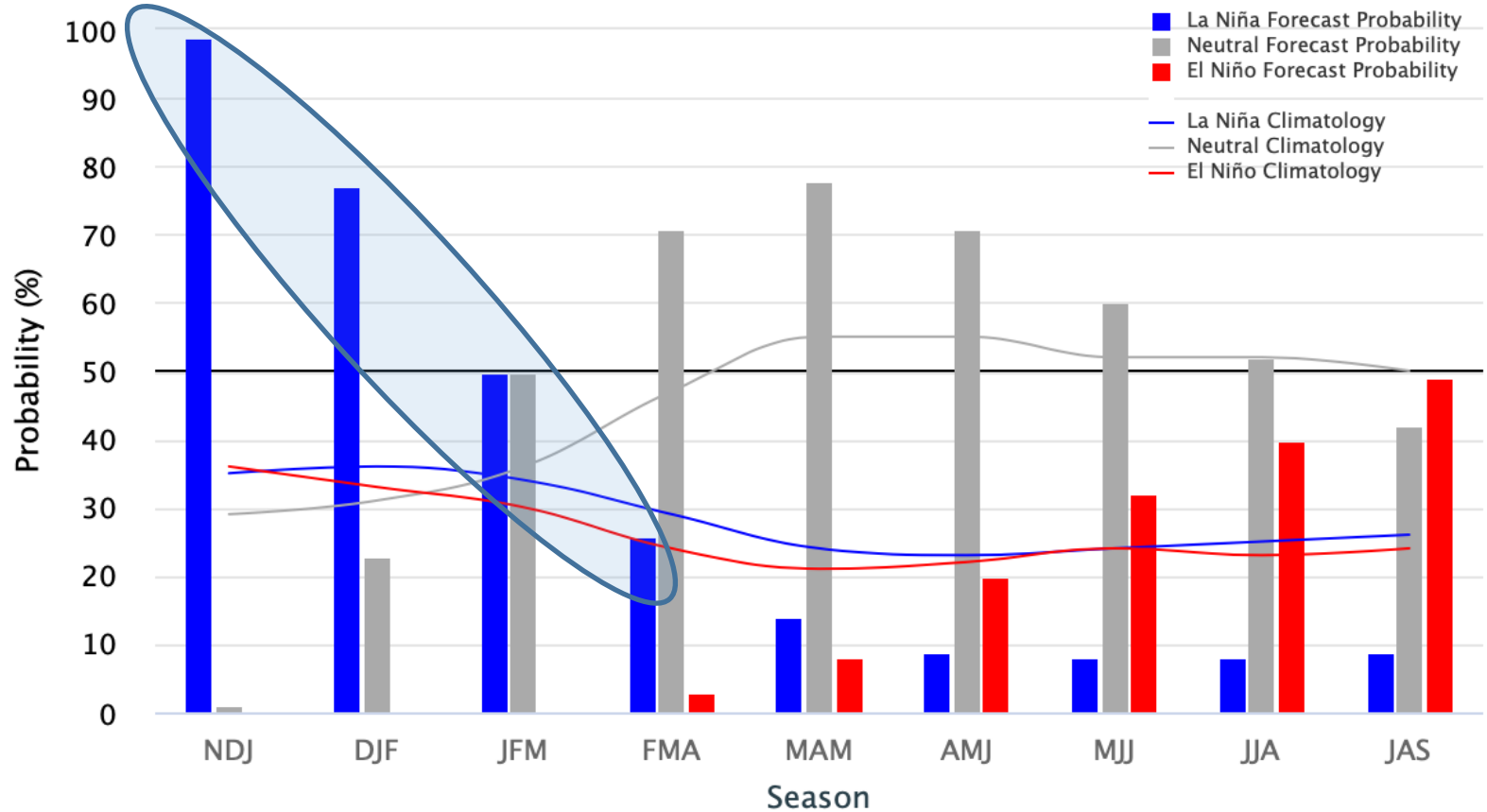
NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 11 Dec 2022



Previsão do “La Niña”

Early-December 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 JFM

