

# Monitoramento e Previsões para a Bacia do rio Tocantins

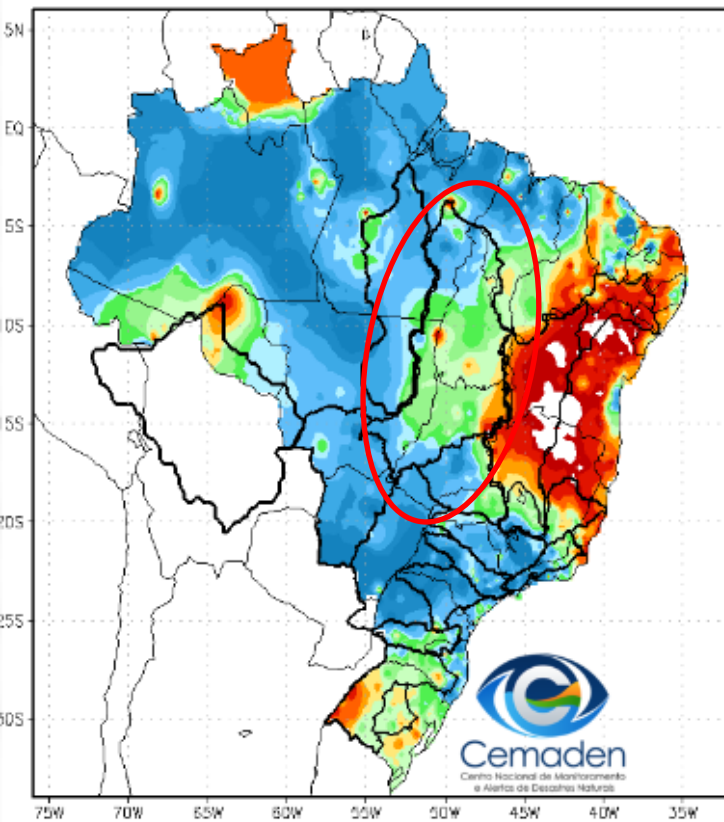


**Cemaden**  
Centro Nacional de Monitoramento  
e Alertas de Desastres Naturais

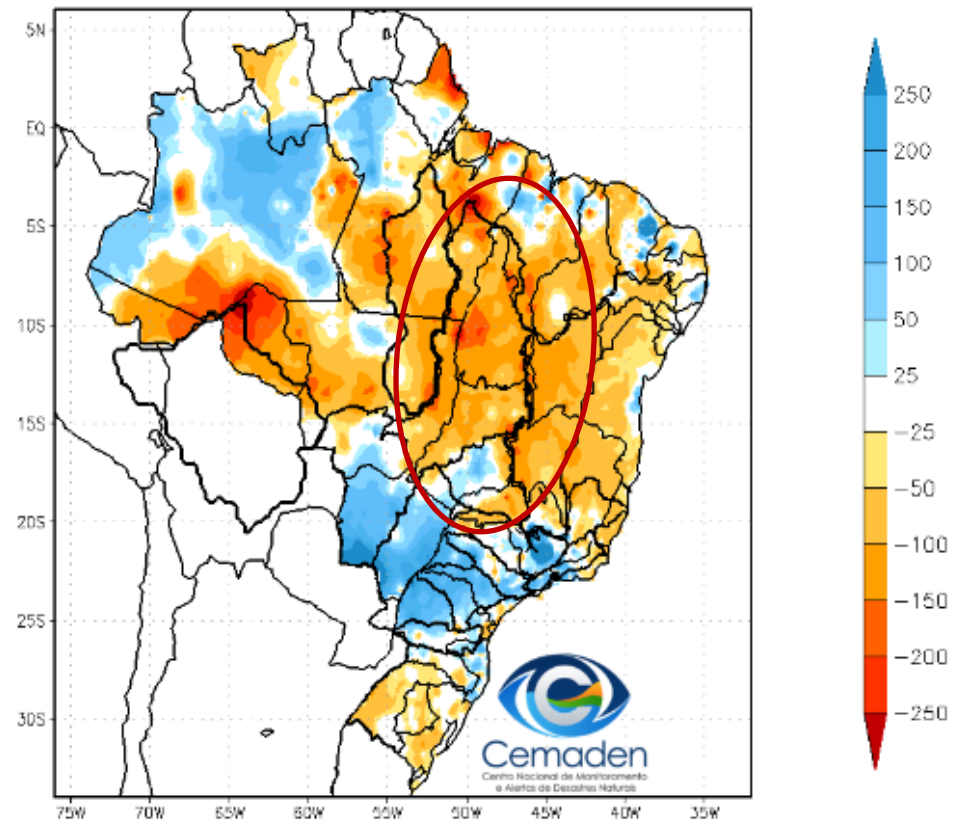
28 de Fevereiro de 2023

# Precipitação acumulada nos últimos 30 dias

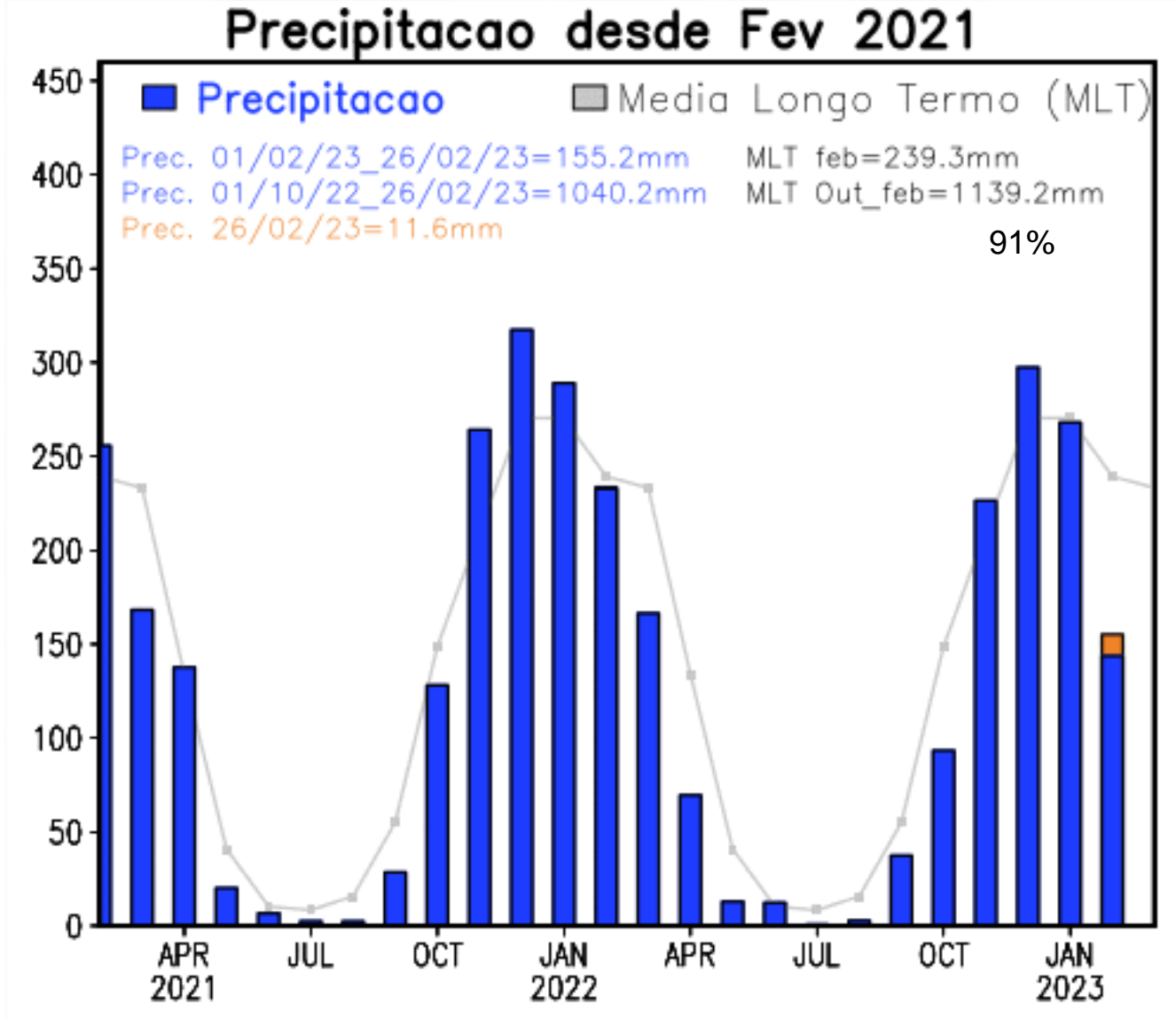
Precipitação Acumulada (mm) A.S.  
Período: 28/01/2023 a 27/02/2023



Anomalia de Precipitação (mm) A.S.  
Período: 28/01/2023 a 27/02/2023

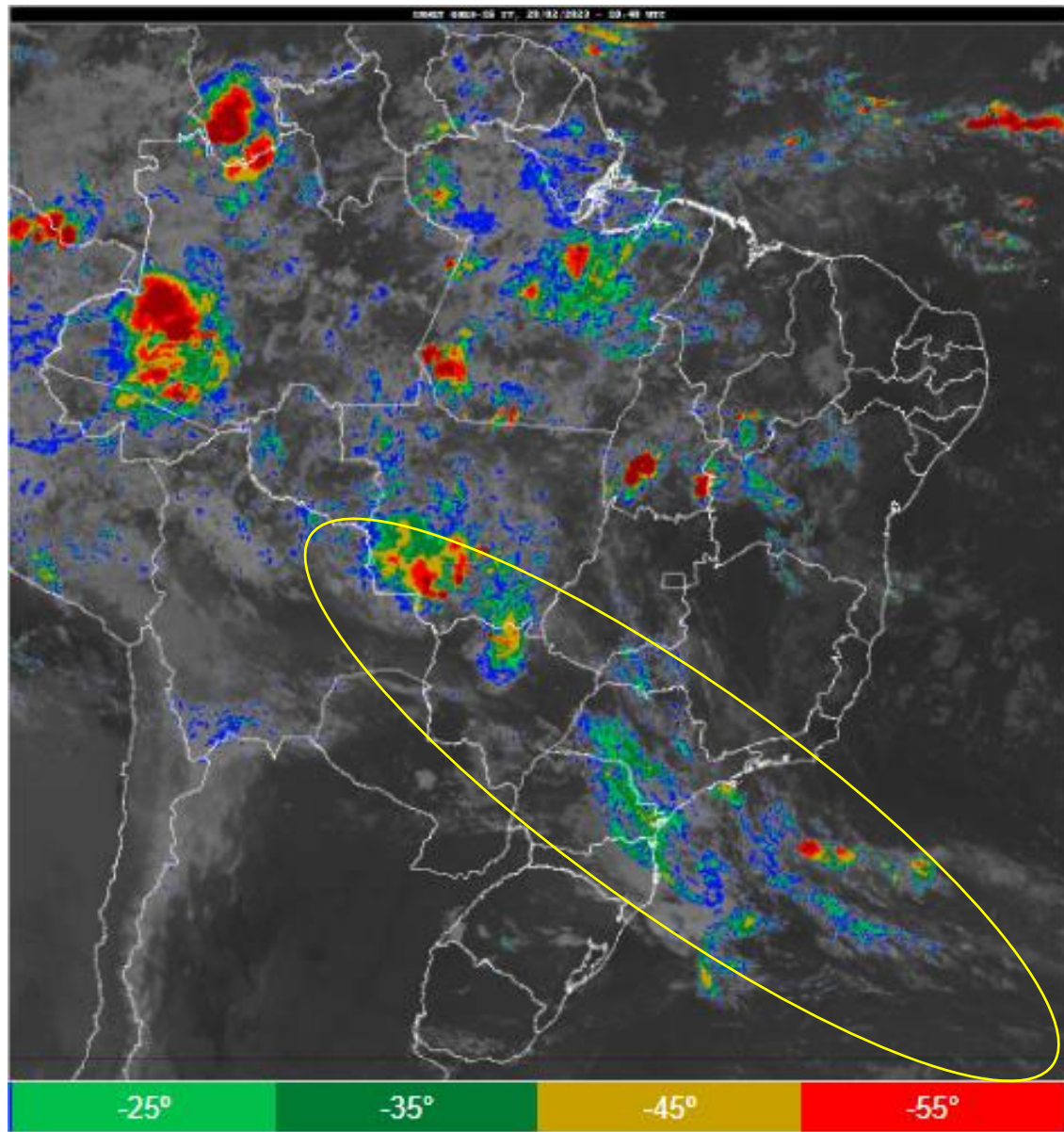


# Evolução da Precipitação



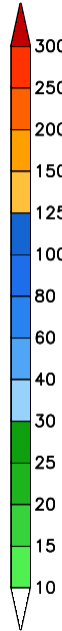
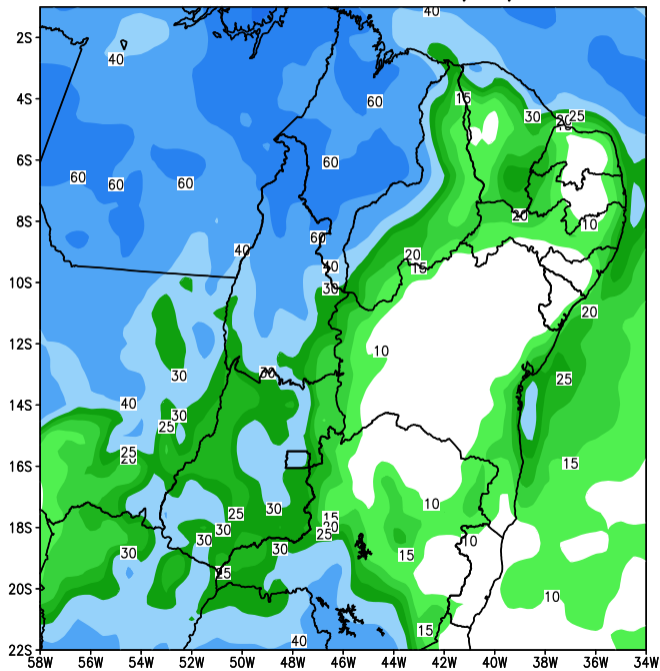
FONTE:  
INPE

# Situação meteorológica atual

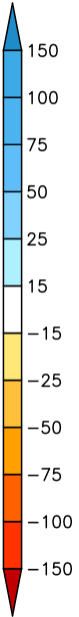
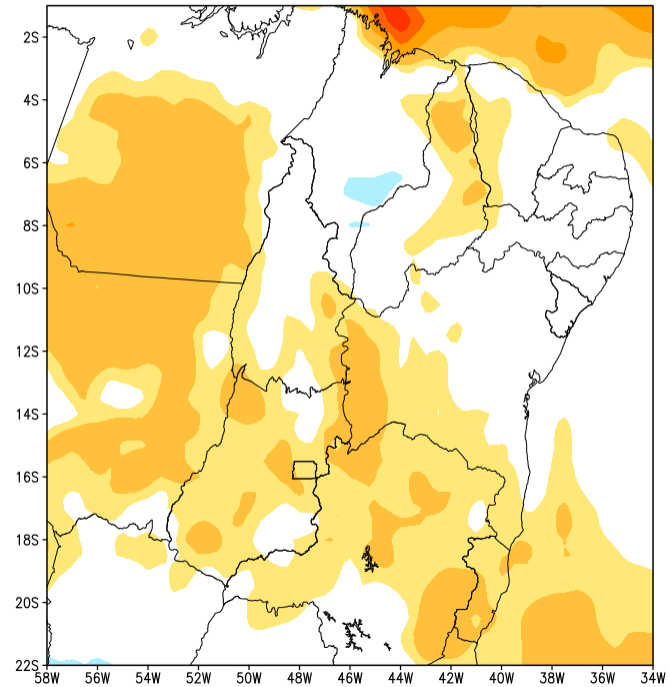


# Previsão de chuva próximos 7 dias

GEFS / BRASIL\_NE  
Precipitacao acumulada 1aSem (mm)  
Previsao das 00Z dia 28/02/2023



Anomalia de Precipitacao BR NE (mm)  
Periodo: 2023022800 a 2023030700

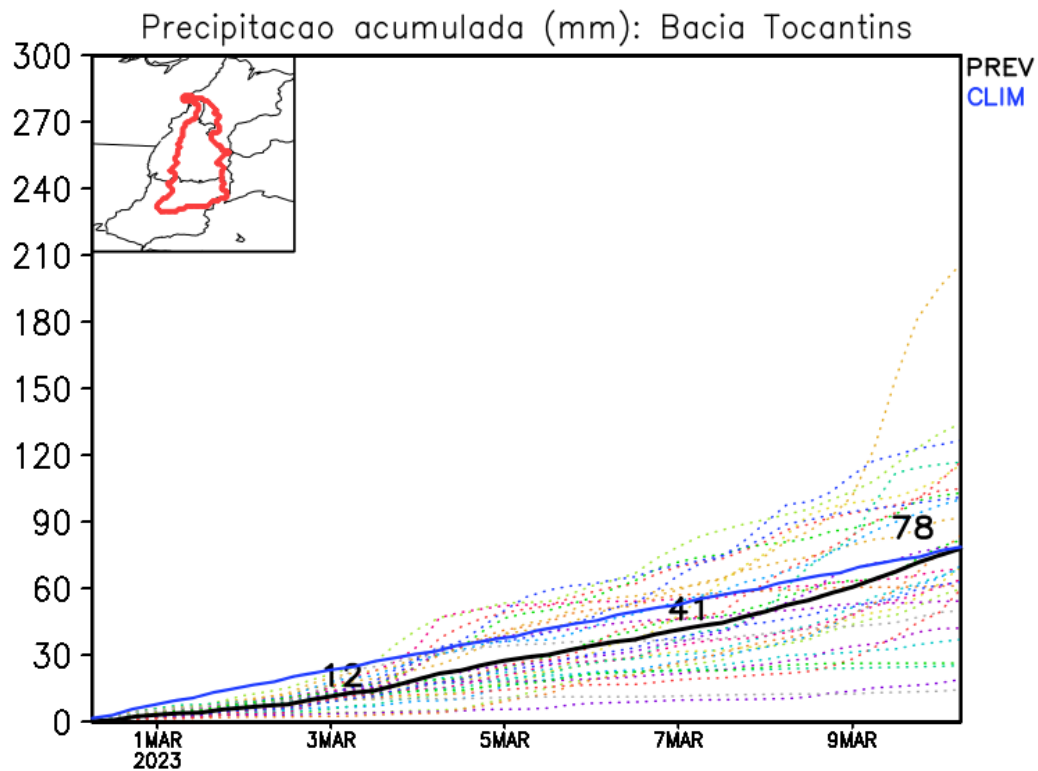
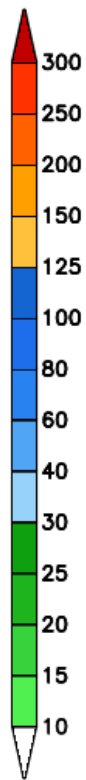
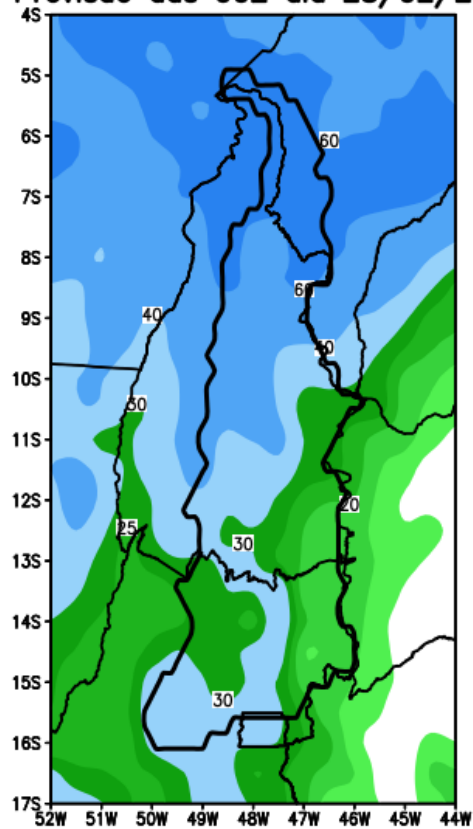


Fonte: GFS/NOAA



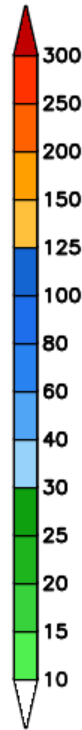
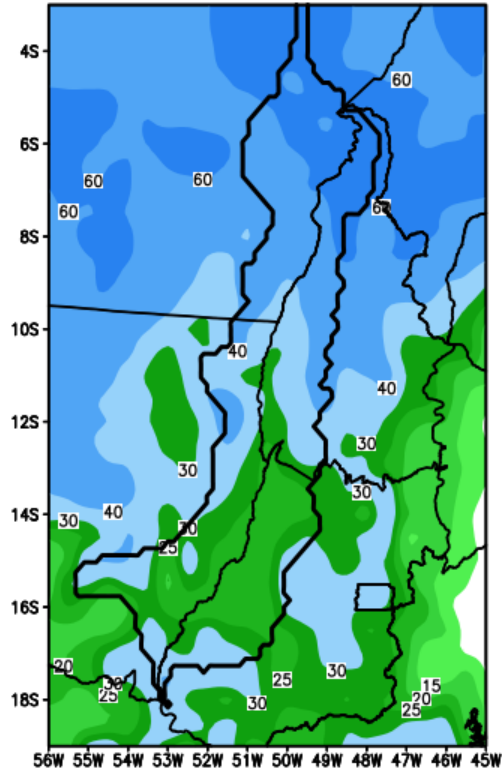
# Previsão Bacia Rio Tocantins

GEFS / Bacia Tocantins  
Precipitação acumulada em 7 dias (mm)  
Previsão das 00Z dia 28/02/2023

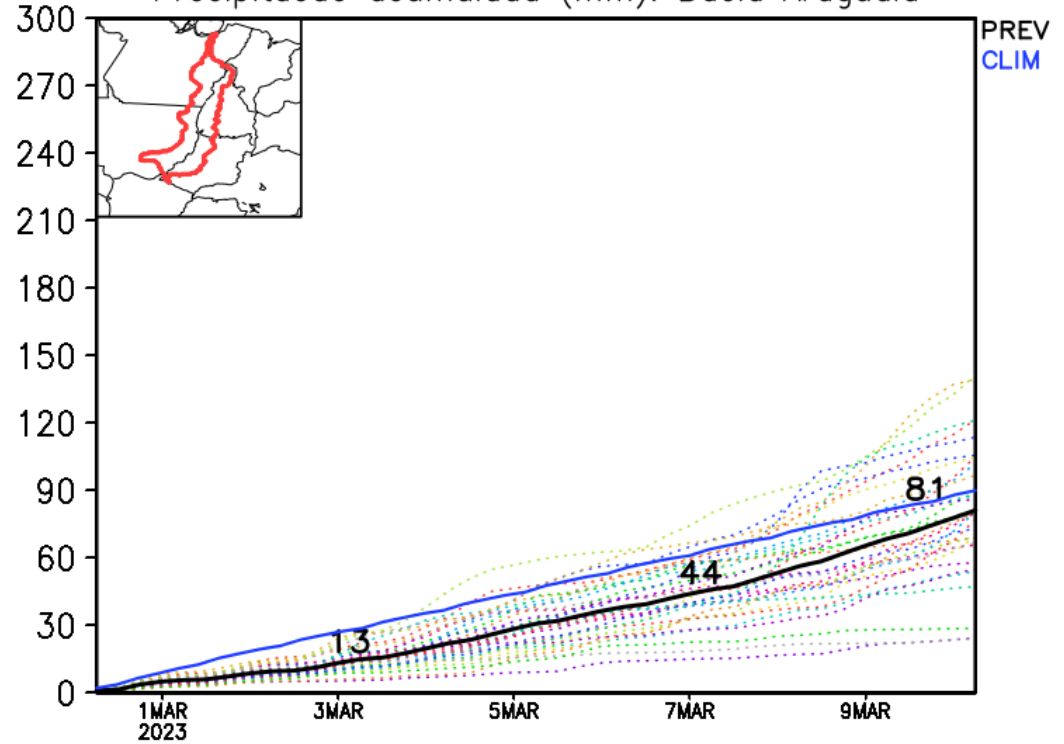


# Previsão Bacia Rio Araguaia

GEFS / Bacia do Rio Araguaia  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 28/02/2023

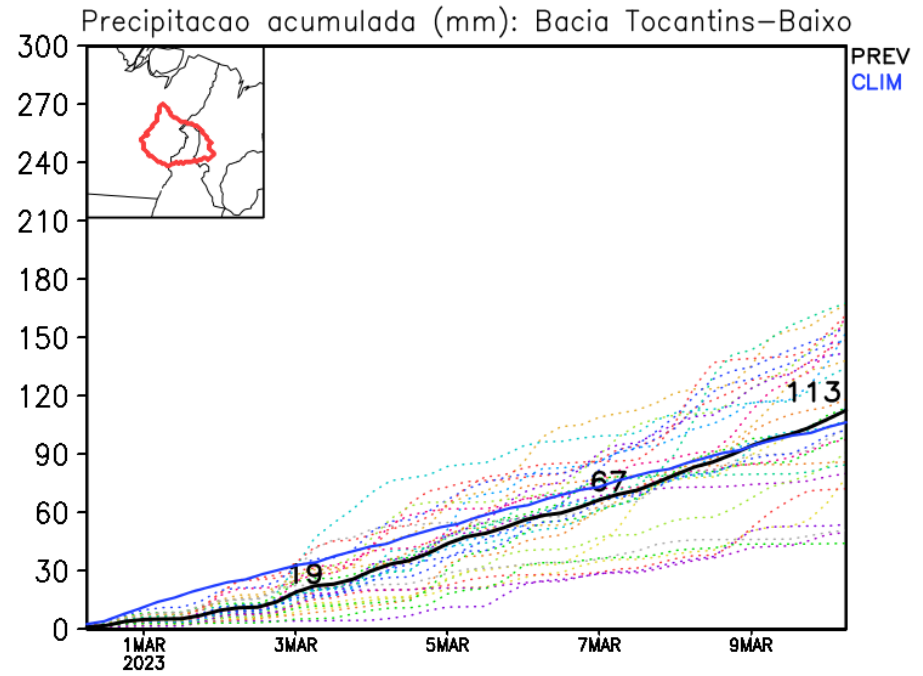
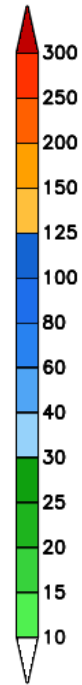
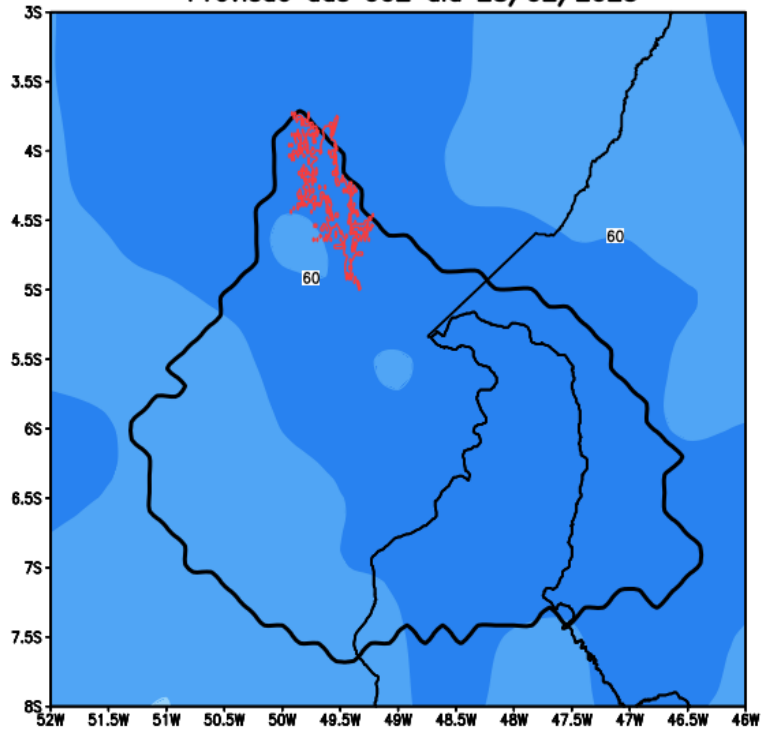


Precipitacao acumulada (mm): Bacia Araguaia



# Previsão Bacia Tocantins (Baixo)

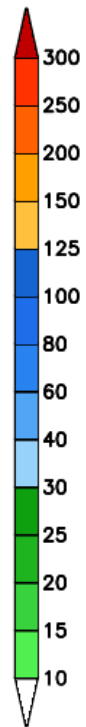
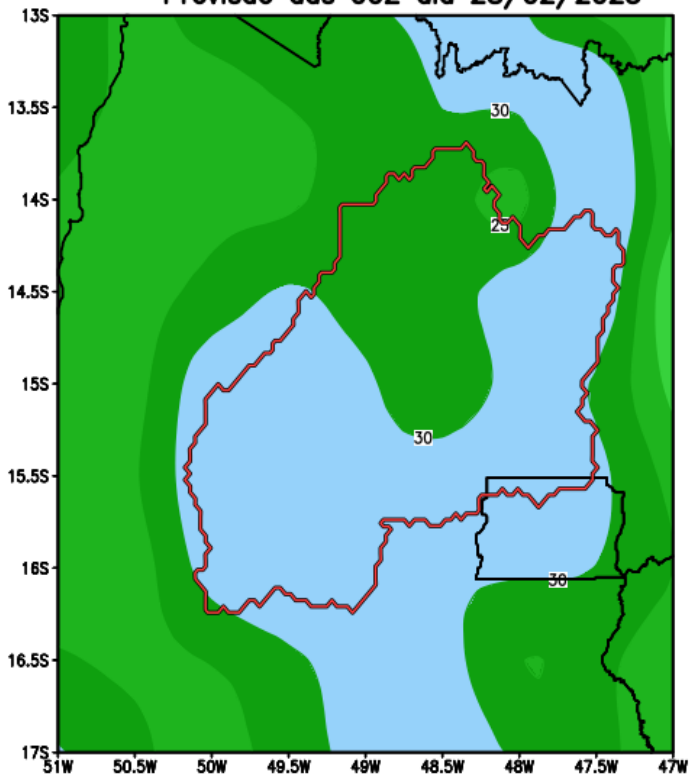
GEFS / Bacia Baixo Tocantins  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 28/02/2023



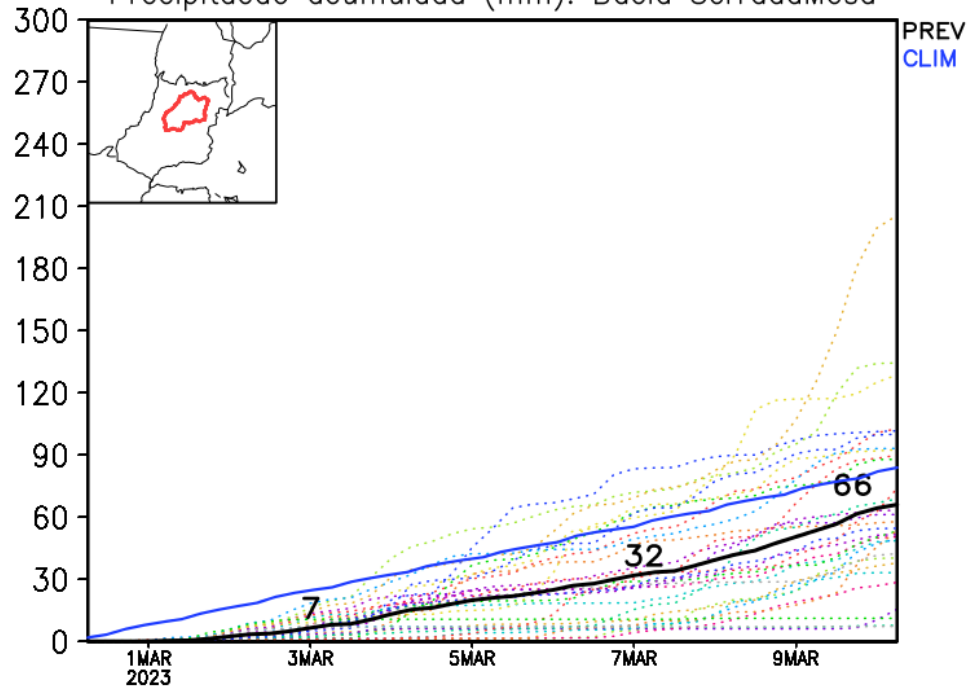


# Previsão Bacia Serra da Mesa

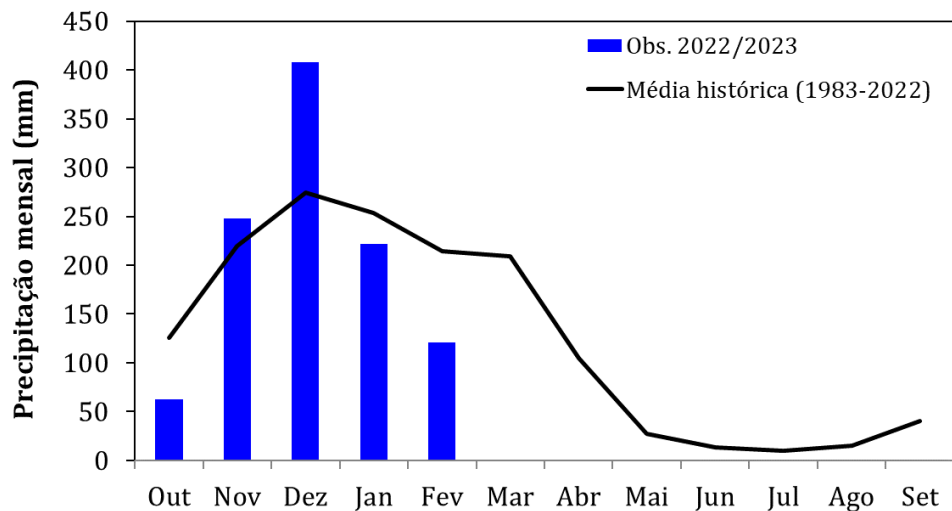
GEFS / Bacia Serra da Mesa  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 28/02/2023



Precipitacao acumulada (mm): Bacia SerradaMesa



# Monitoramento UHE Serra da Mesa



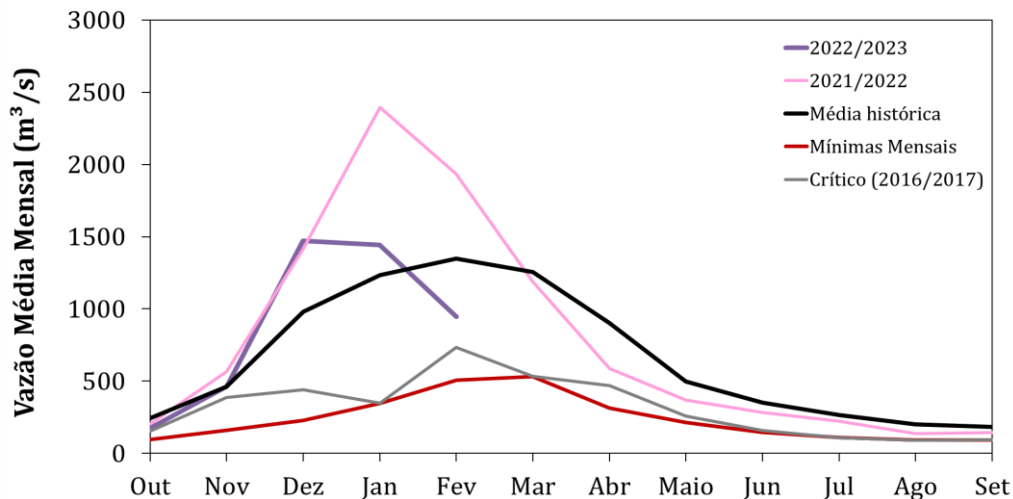
## Precipitação

**Estação Chuvosa - Out a Abr – 1402 mm**  
 2021/2022: 1473 mm (105% da média histórica)  
 2022/2023\*: 1062 mm (76% da média histórica)

**Estação Seca - Maio a Set – 106 mm**  
 2021: 28 mm (26% da média histórica)  
 2022: 54 mm (51% da média histórica)

**Fev/2023\*:** 121 mm (56% da média histórica)

\*Até 26/02/2023



## Vazão

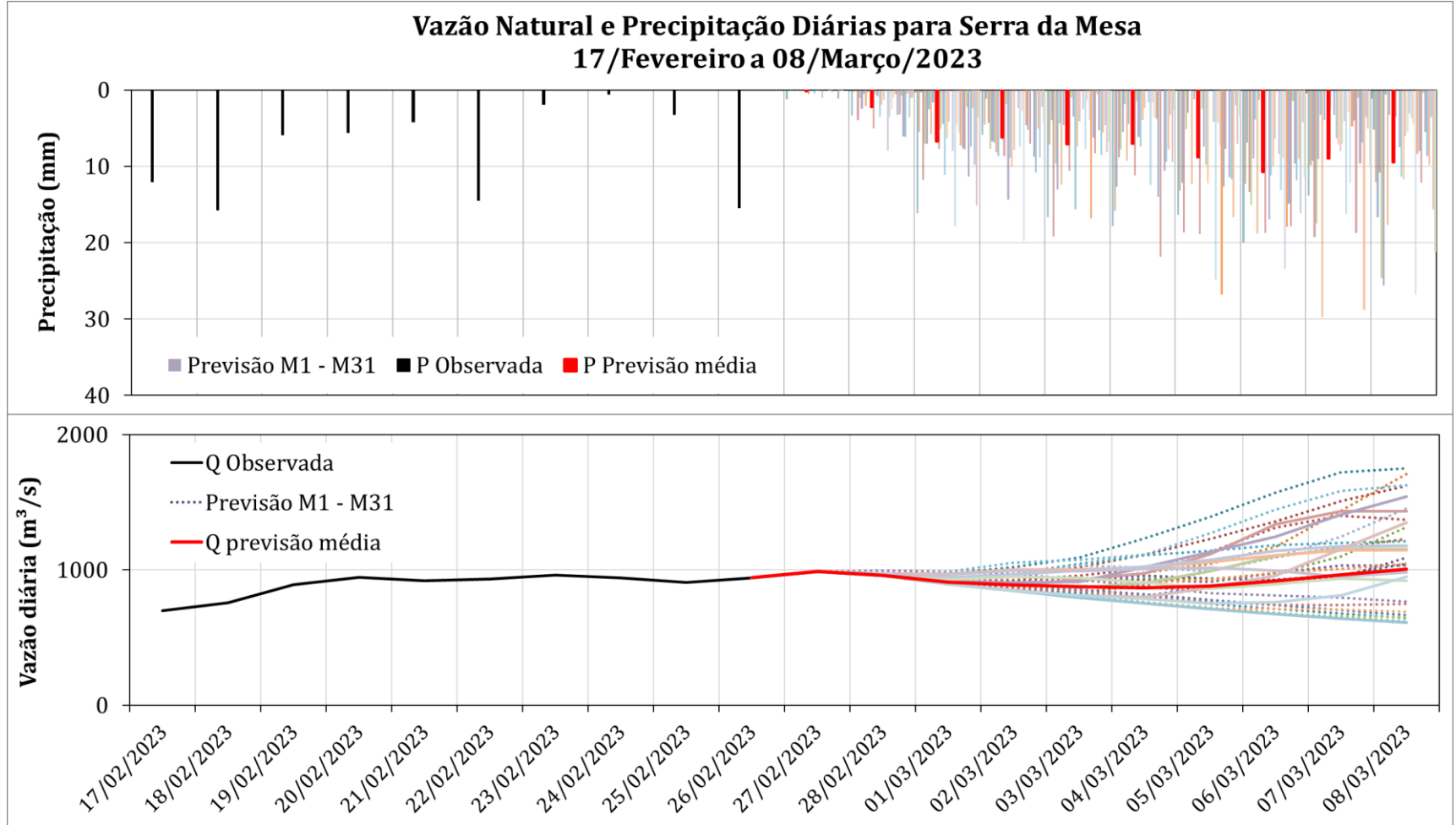
**Estação Chuvosa - Out a Abr – 918 m³/s**  
 2021/2022: 1184 m³/s (129% da MLT)  
 2022/2023\*: 900 m³/s (98% da MLT)

**Estação Seca - Maio a Set – 300 m³/s**  
 2021: 203 m³/s (68% da MLT)  
 2022: 231 m³/s (77% da MLT)

**Fev/2023\*:** 945 m³/s (70% da MLT)

\*Até 26/02/2023

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



Dados **observados de precipitação** (barras pretas) para o período 17 a 26/02/23 e **previsão** para o período de 27/02 a 08/03/23.  
Dados **observados de vazão** (linha preta) para o período 17 a 26/02/23 e **previsão** para o período de 27/02 a 08/03/23.

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

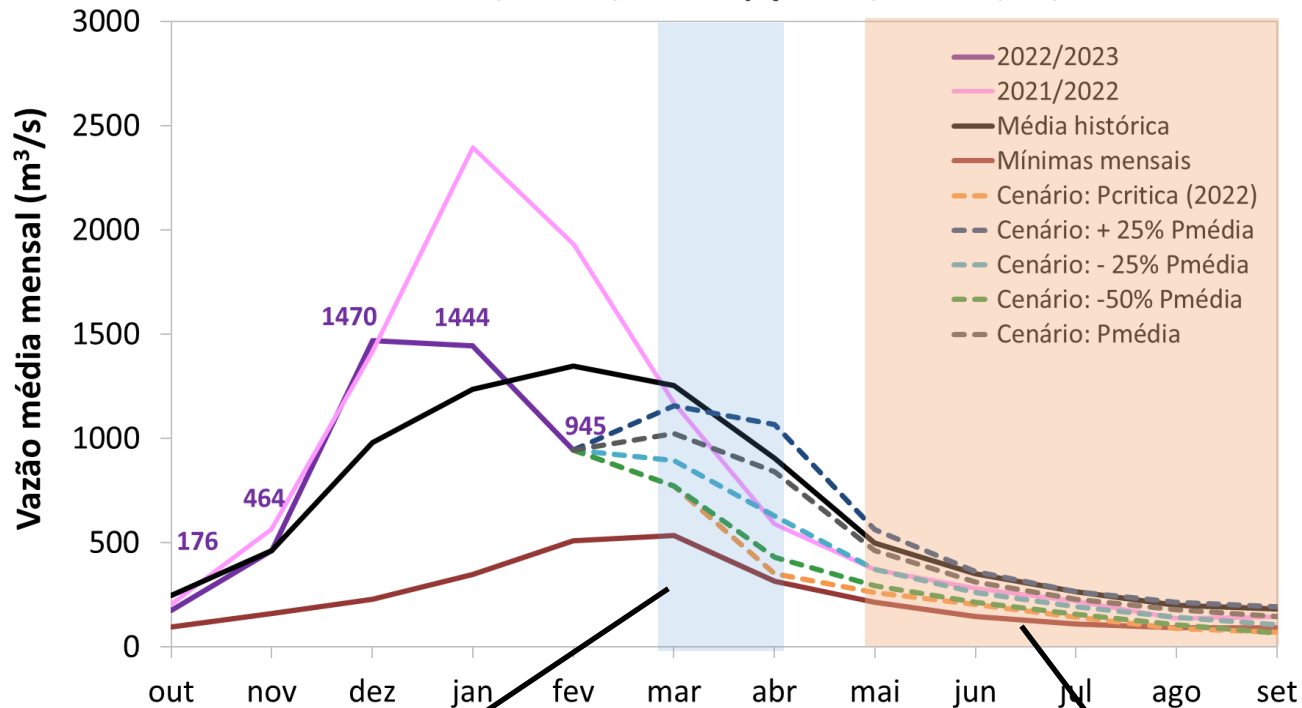
As linhas coloridas representam os membros de previsão de vazão.

**Previsão média para os próximos 10 dias: 930 m³/s**

**Valor inferior à MLT de Fevereiro (1346 m³/s) e Março (1255 m³/s)**

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

Previsão: 27/Fev a 08/Mar - Projeções: 09/Mar a 30/Set/23



**Mar-Abr (Meses chuvosos)**

**MLT: 1079 m³/s**

Vazão	% MLT
1112 m³/s	103%
931 m³/s	86%
760 m³/s	70%
560 m³/s	52%

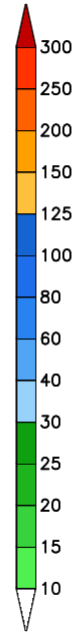
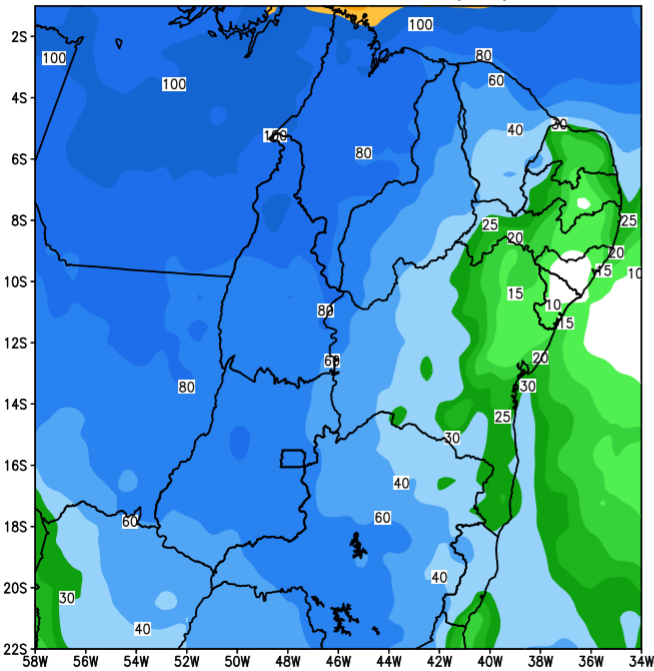
**Mai-Set (Meses secos)**

**MLT: 300 m³/s**

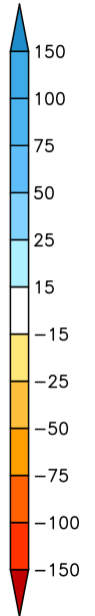
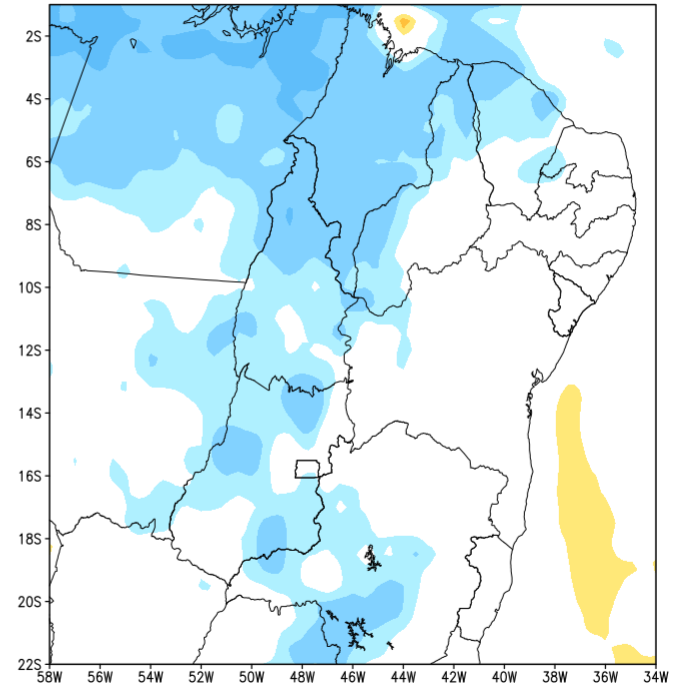
Vazão	% MLT
318 m³/s	106%
265 m³/s	88%
215 m³/s	72%
153 m³/s	51%

# Tendência para a 2a Semana

GEFS / BRASIL\_NE  
Precipitacao acumulada 2aSem (mm)  
Previsao das 00Z dia 28/02/2023

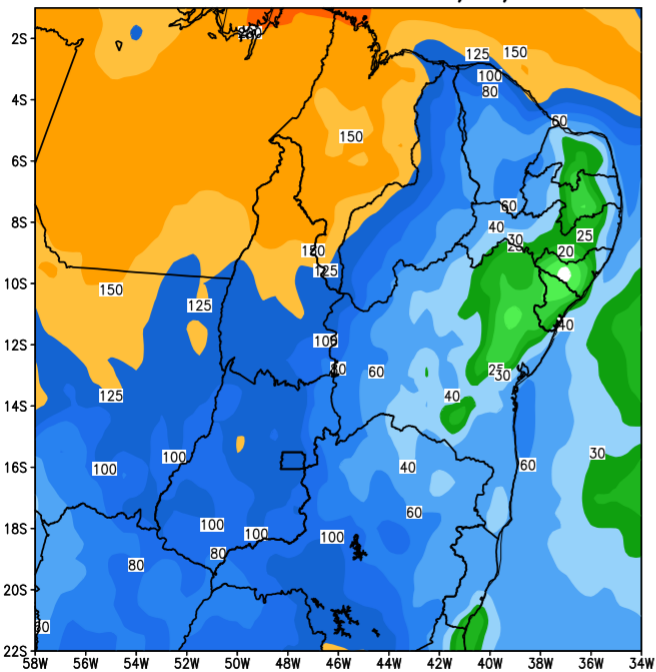


Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2023030800 a 2023031400

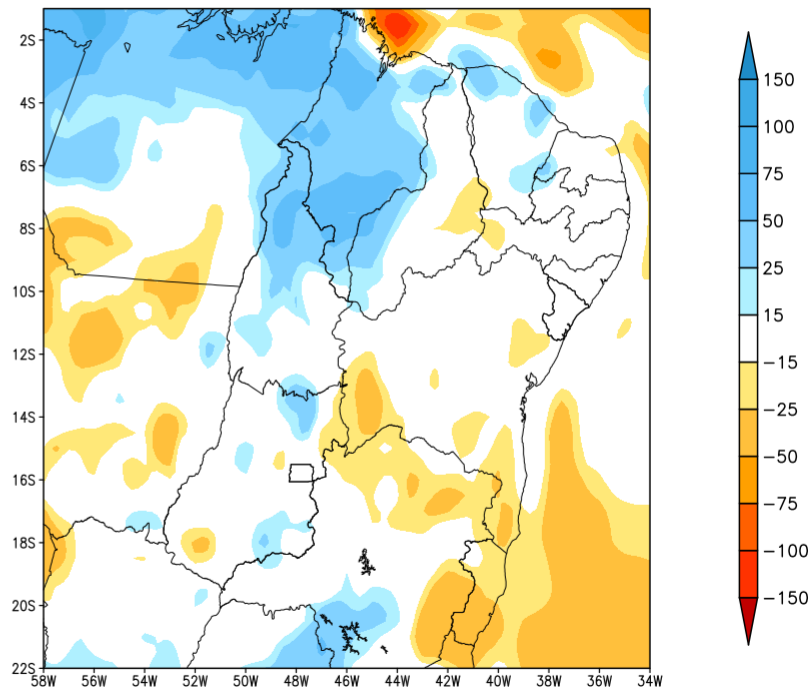


# Tendência para as próximas duas semanas

GEFS / BRASIL\_NE  
Precipitacao acumulada 14dias (mm)  
Previsao das 00Z dia 28/02/2023



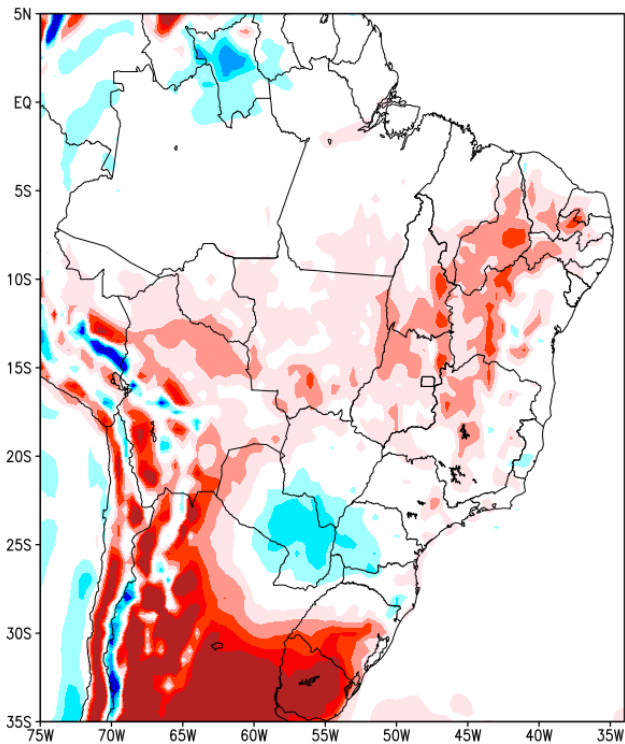
Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2023022800 a 2023031400



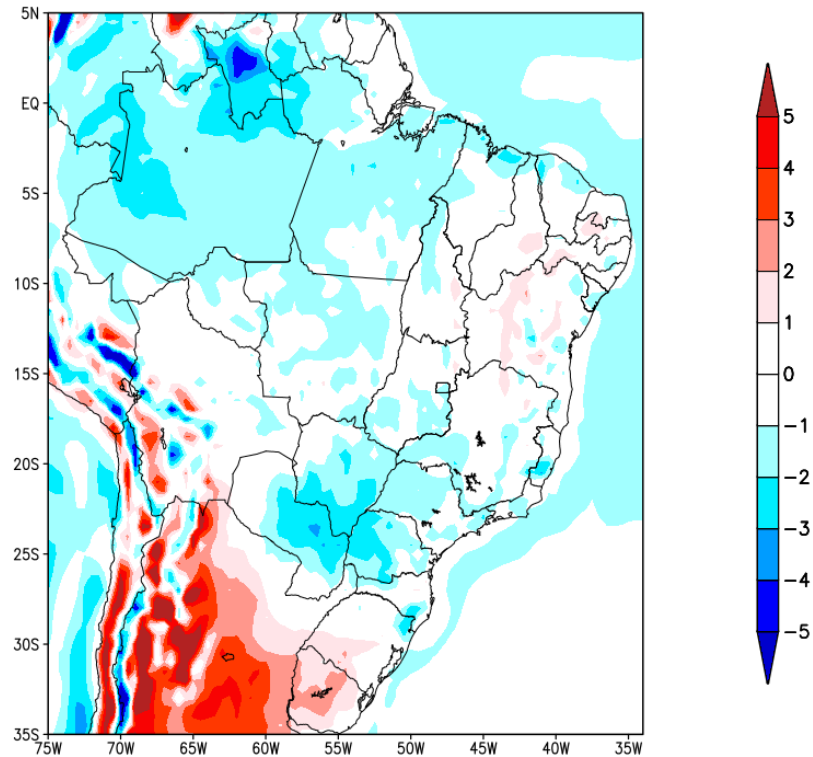


# Previsão de Temperatura

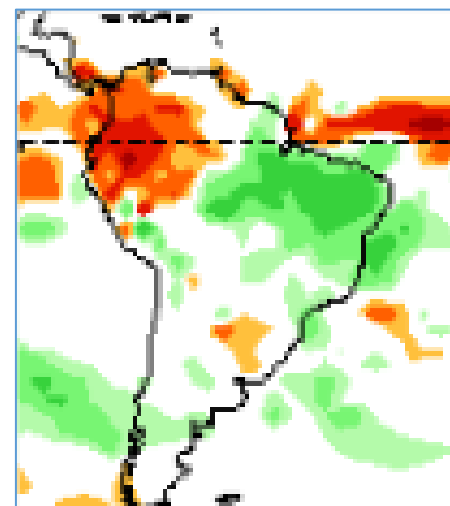
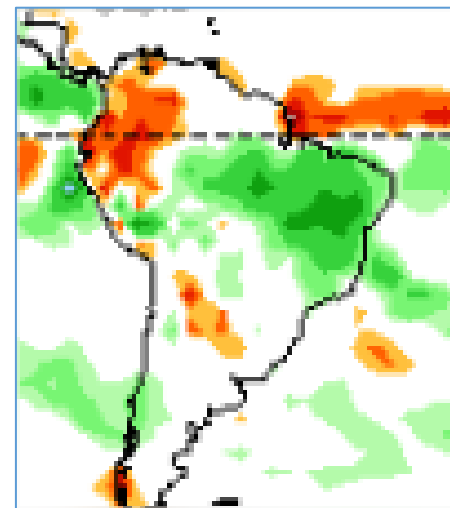
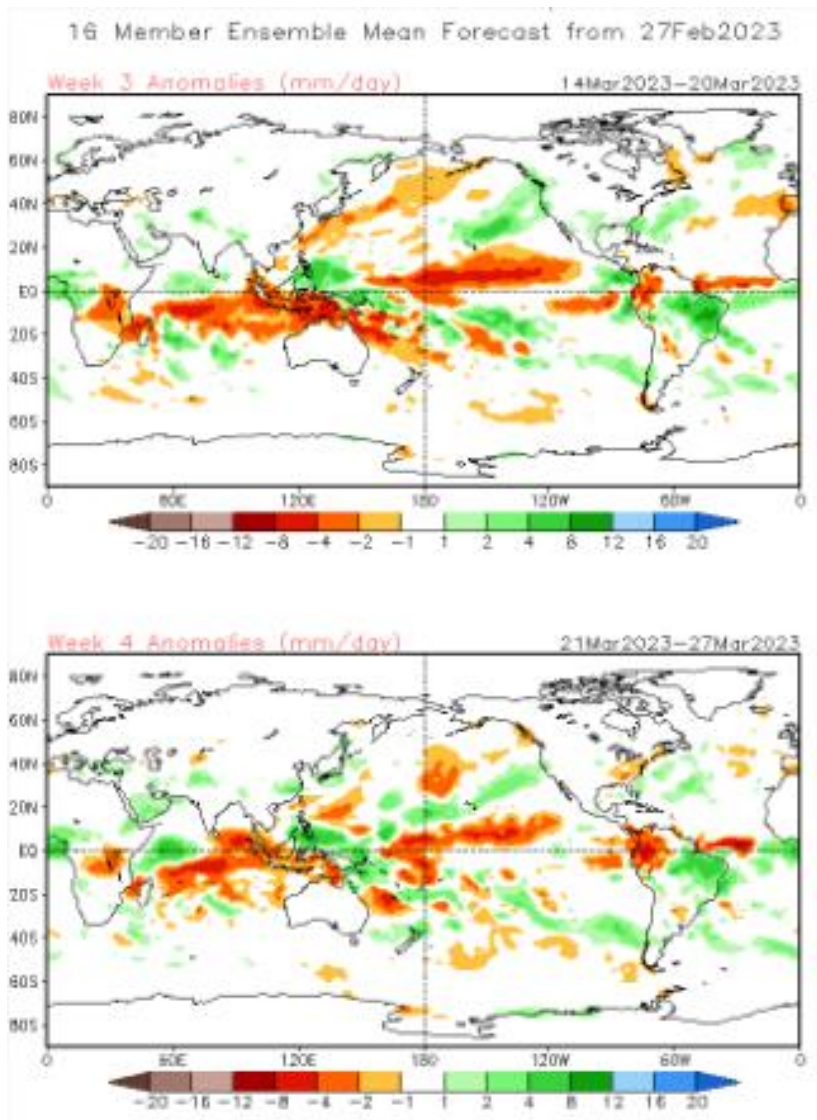
Anomalia de Temperatura BR (C)  
Período: 2023022800 a 2023030700



Anomalia de Temperatura BR (C)  
Período: 2023030800 a 2023031400

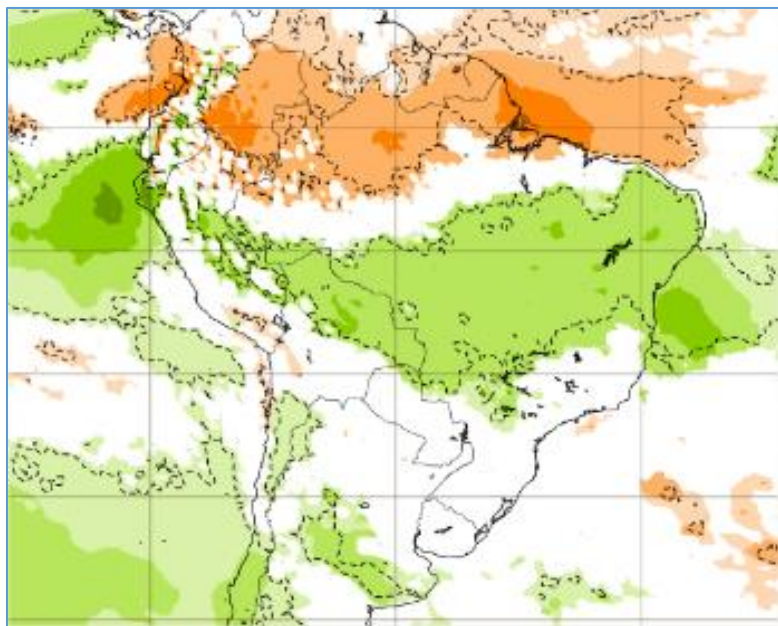


# Tendência 3a e 4a semanas

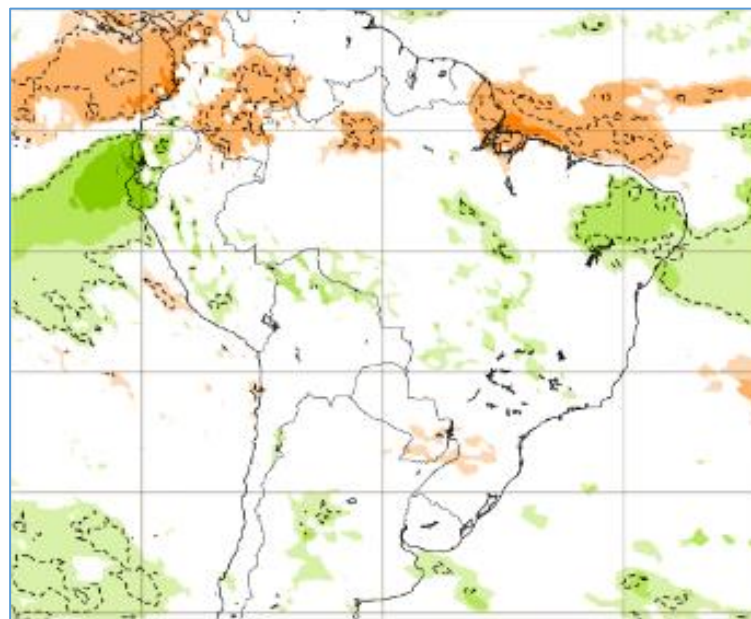


# Tendência para 3ª e 4ª semanas

13-10/03

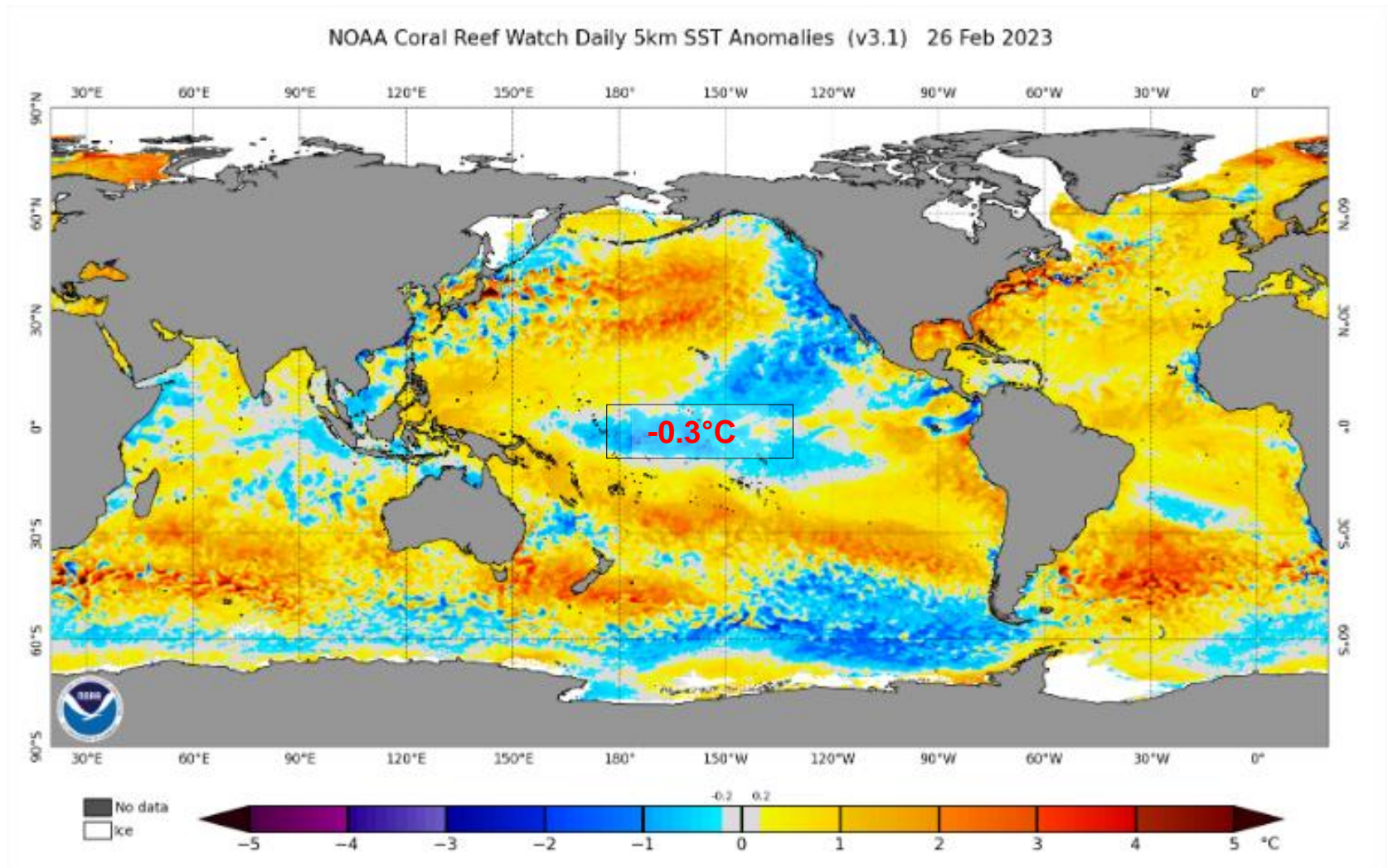


20-27/03





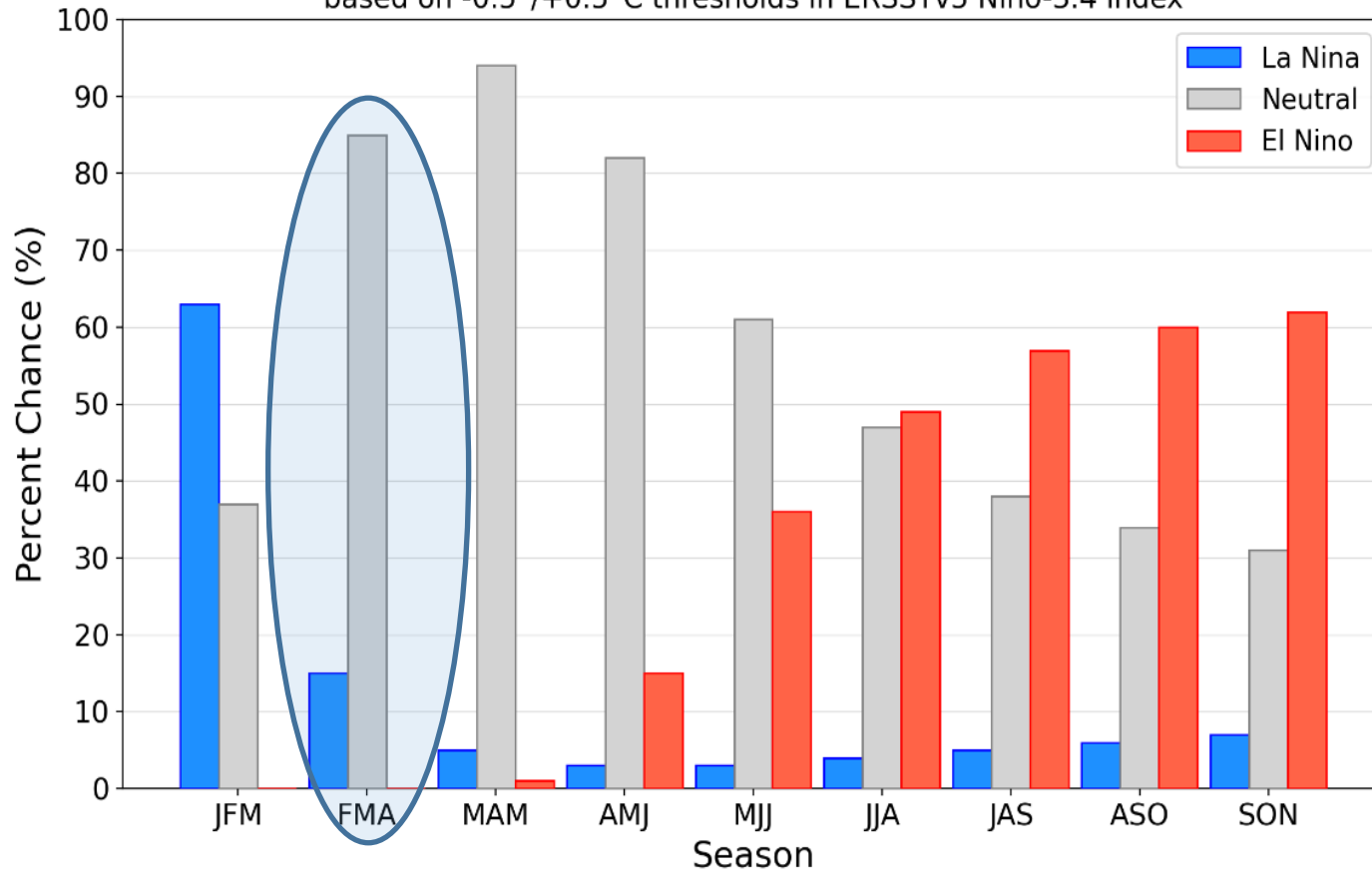
# Status Atual: La Niña



# Previsão do “La Niña”

## Official NOAA CPC ENSO Probabilities (issued Feb. 2023)

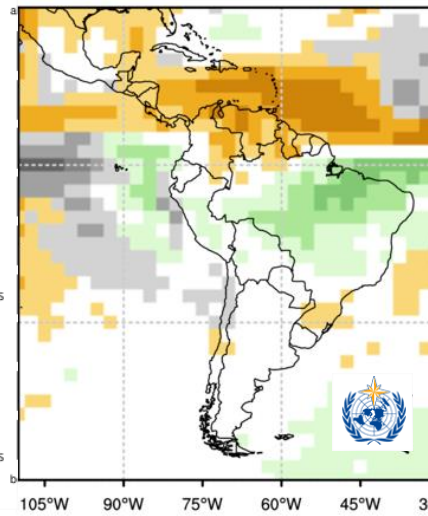
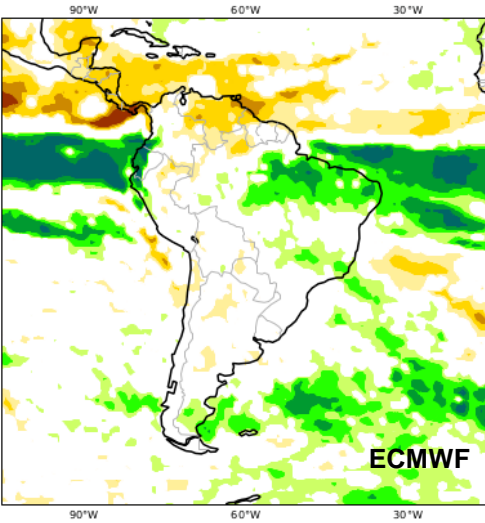
based on  $-0.5^{\circ}/+0.5^{\circ}\text{C}$  thresholds in ERSSTv5 Niño-3.4 index



Status Atual: **La Niña**

FONTE: NOAA

# Previsão sazonal de Chuva MAM



NMME Precipitation Anomalies (mm/day)

Mar2023-May2023 February2023 initial conditions

