



# CEMADEN

Centro Nacional de Monitoramento e  
Alertas de Desastres Naturais

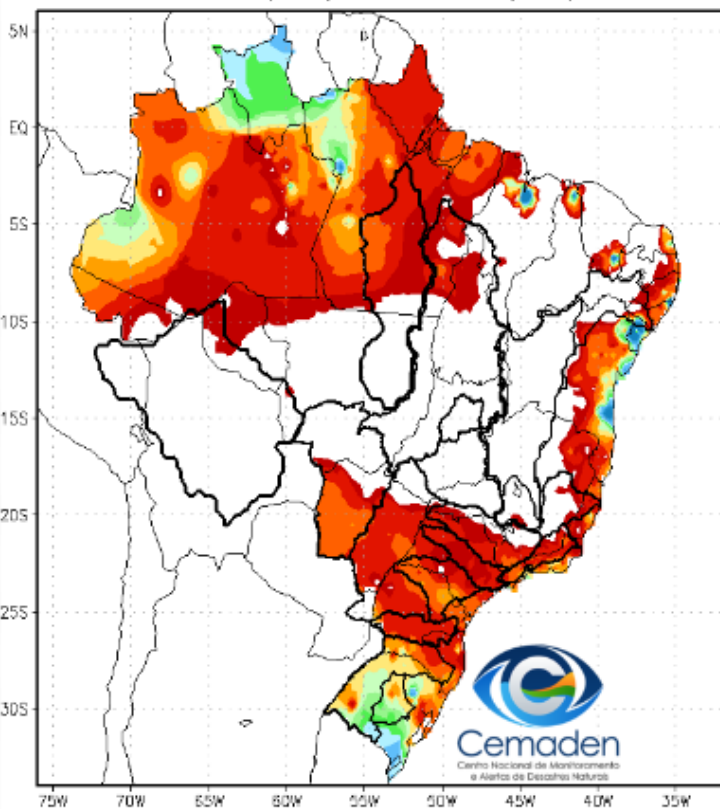
## Monitoramento, Previsões e Projeções para a Bacia do Rio São Francisco

03 de Setembro de 2024

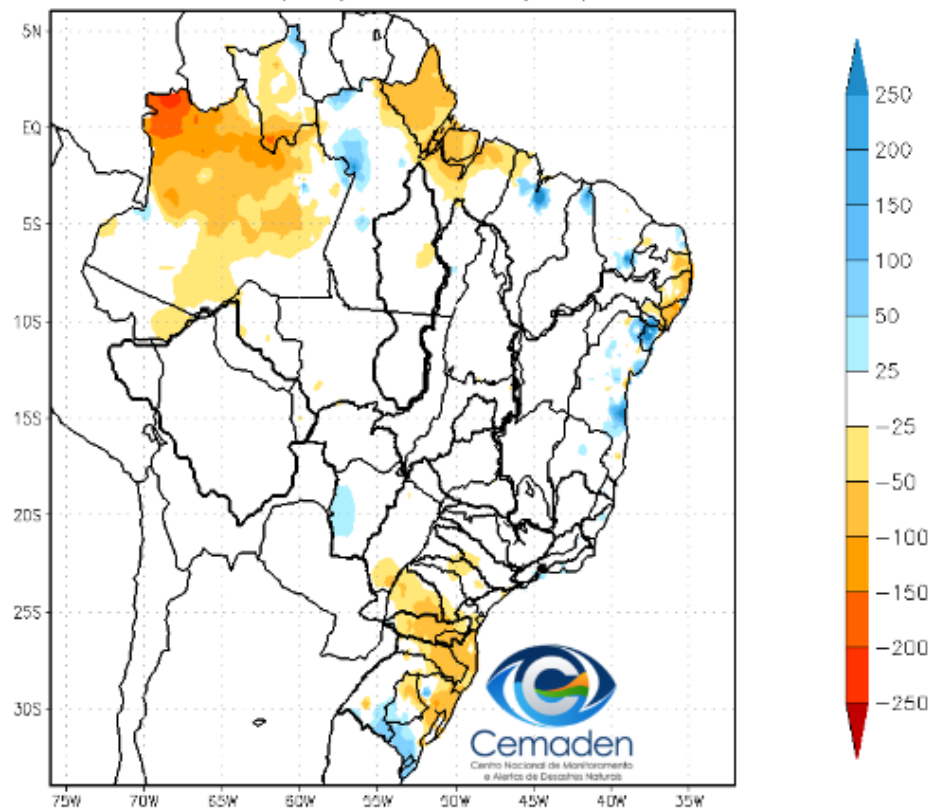


## Chuva dos últimos 30 dias

Precipitacao Acumulada (mm) A.S.  
Período: 03/08/2024 a 02/09/2024

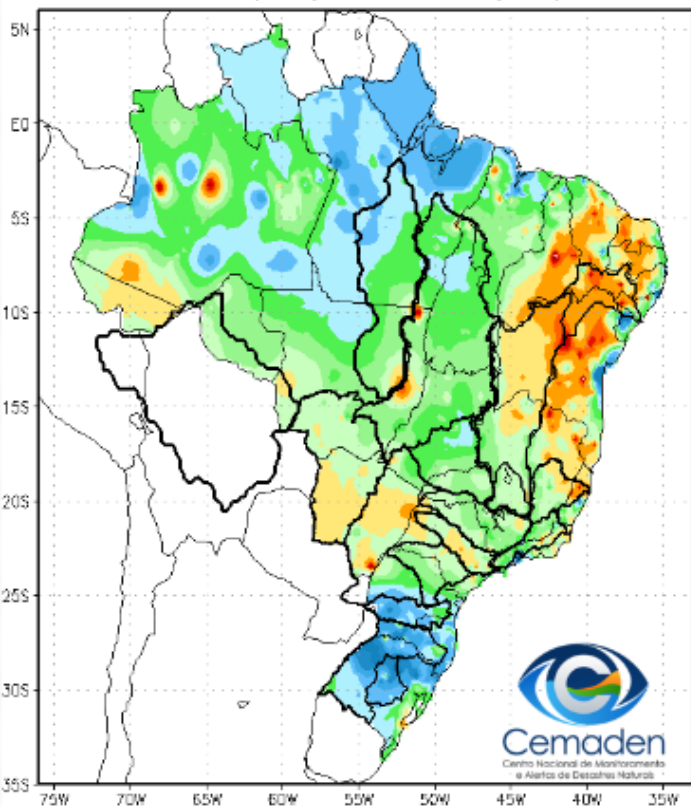


Anomalia de Precipitacao (mm) A.S.  
Período: 03/08/2024 a 02/09/2024

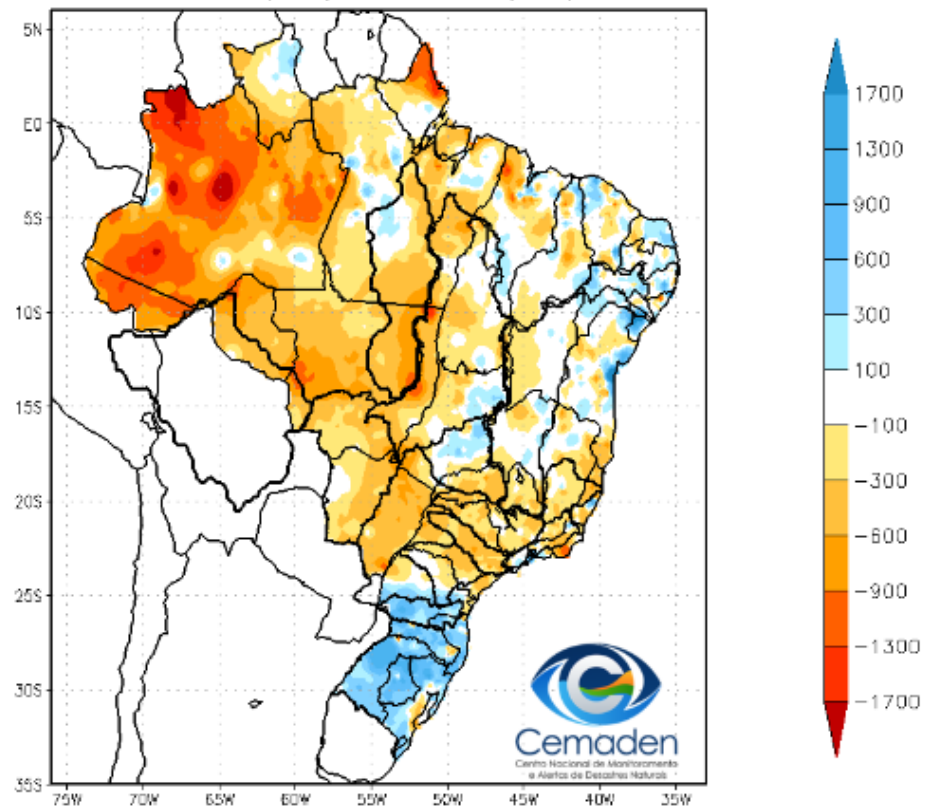


# Chuva no Ano Hidrológico - desde 01/10/2023

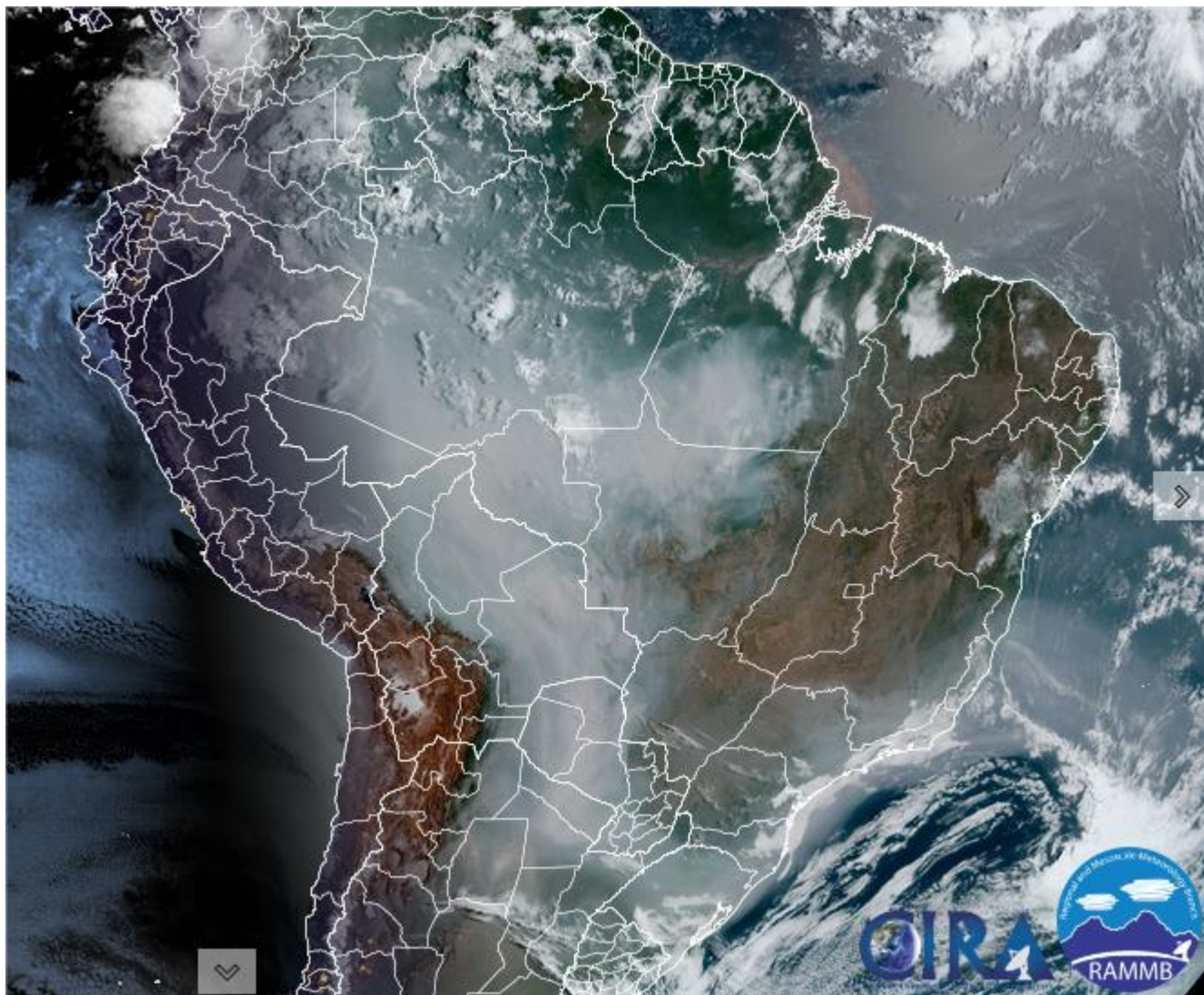
Precipitacao Acumulada (mm) A.S.  
Período: 01/10/2023 a 02/09/2024



Anomalia de Precipitacao (mm) A.S.  
Período: 01/10/2023 a 02/09/2024

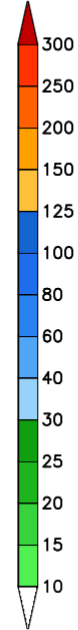
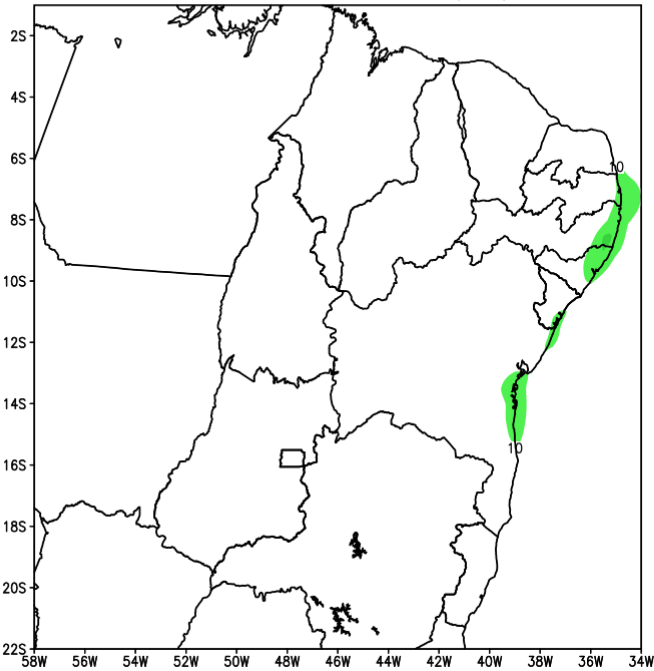


# Situação meteorológica atual

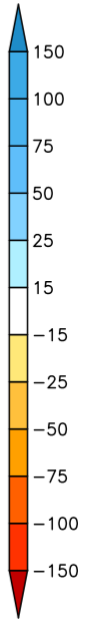
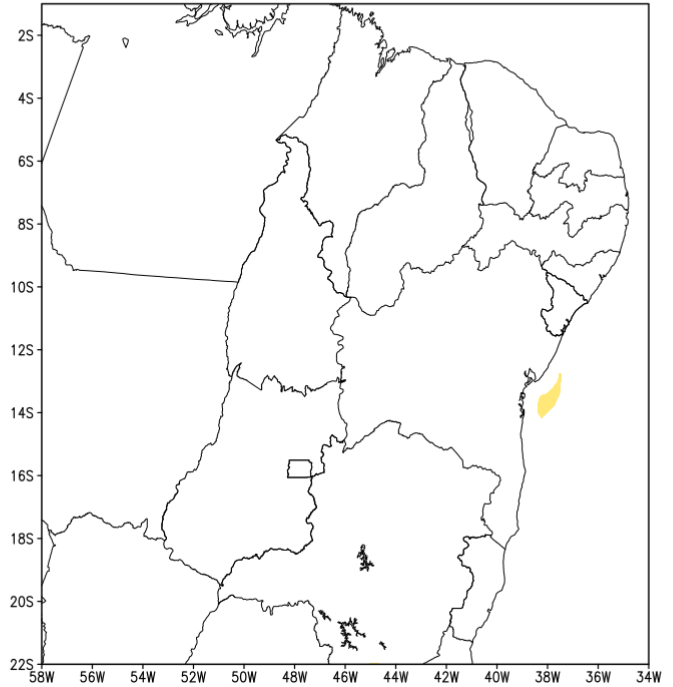


# Previsão de chuva próximos 7 dias

GEFS / BRASIL\_NE  
Precipitacao acumulada 1aSem (mm)  
Previsao das 00Z dia 03/09/2024



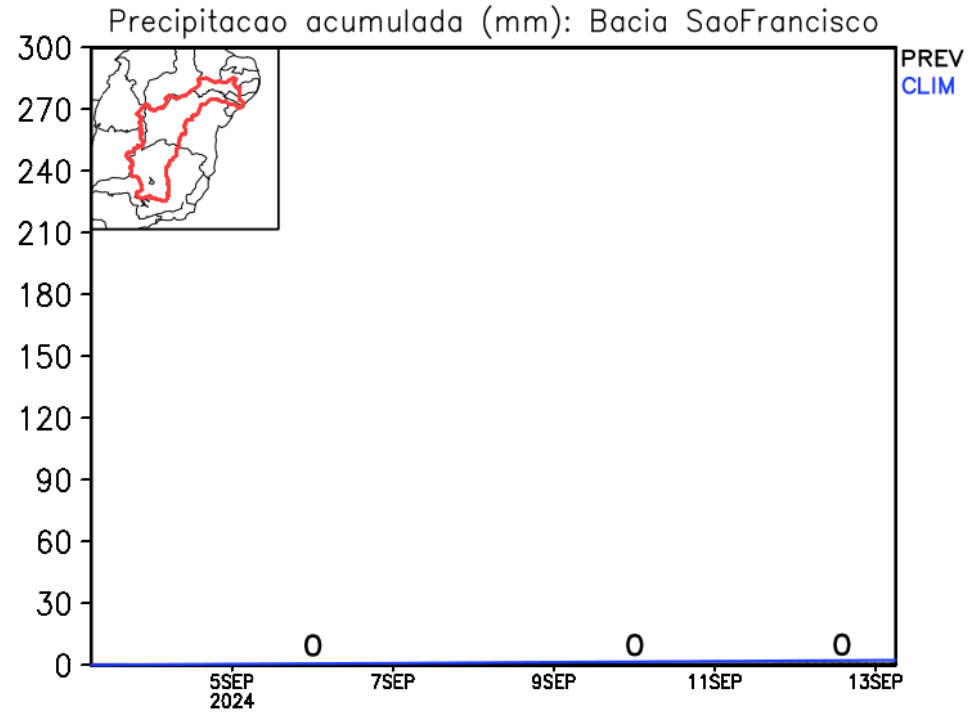
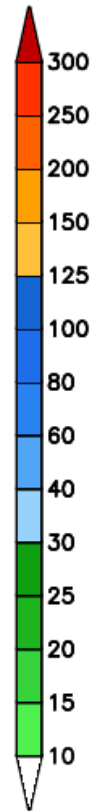
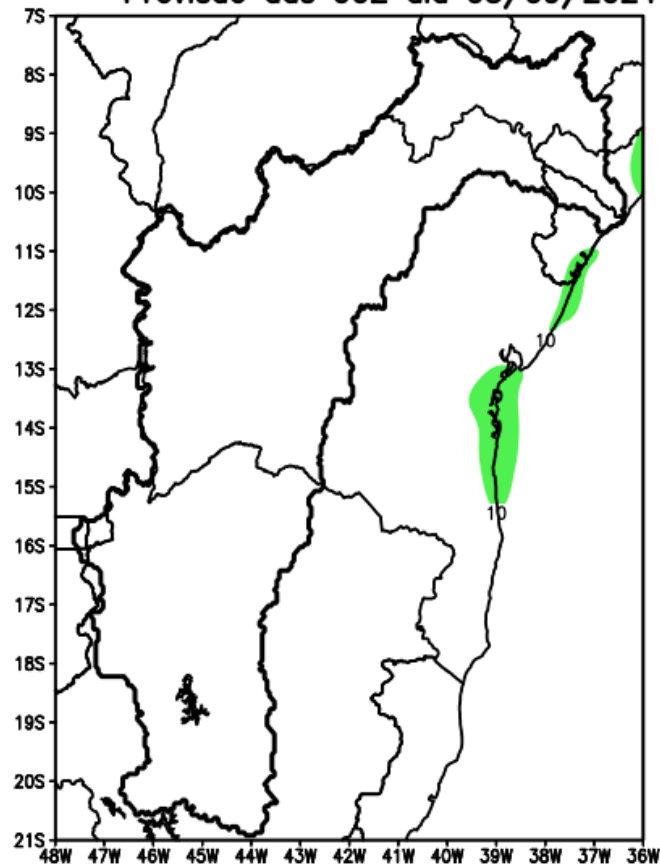
Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2024090300 a 2024091000



Fonte: GEFS/NOAA

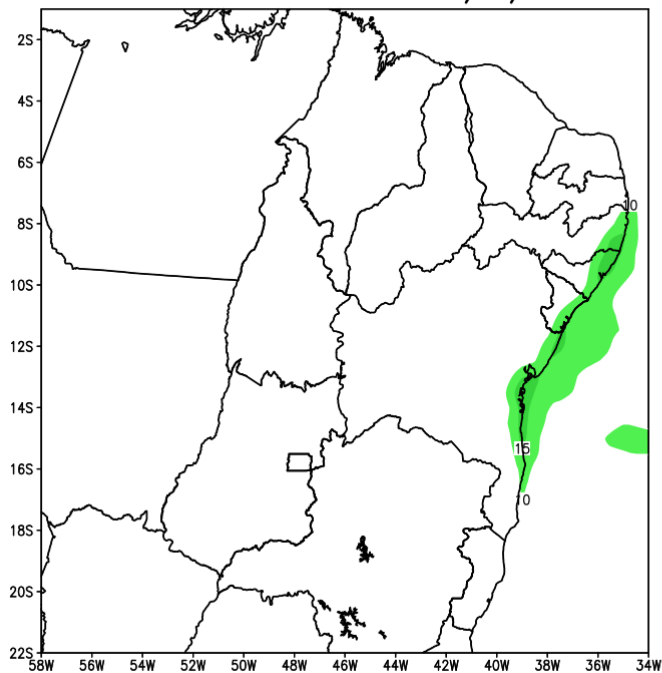
# Bacia do rio São Francisco

GEFS / Bacia do Rio Sao Francisco  
Precipitacao acumulada em 7 dias (mm)  
Previsao das 00Z dia 03/09/2024

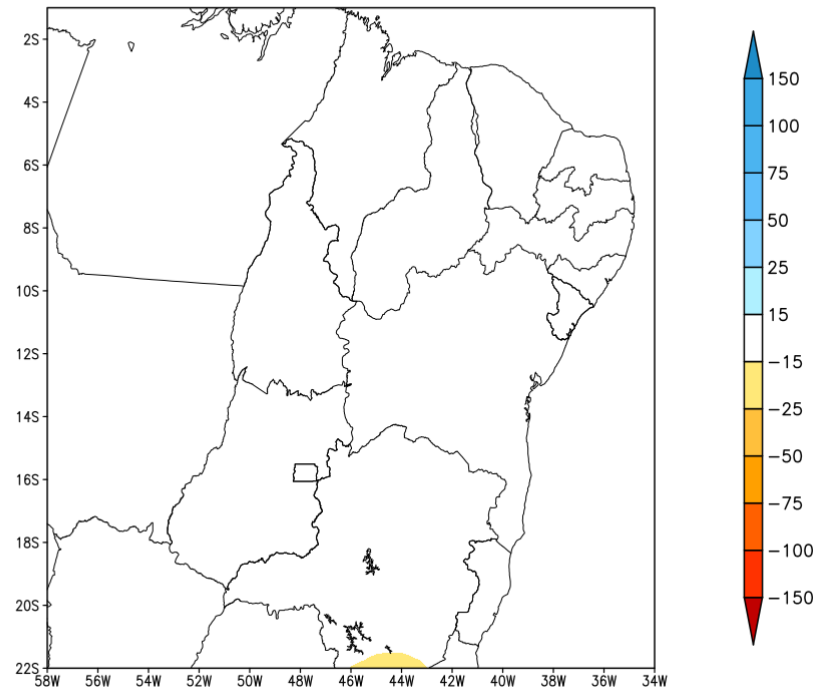


# Tendência para a 2a semana

GEFS / BRASIL\_NE  
Precipitacao acumulada 2aSem (mm)  
Previsao das 00Z dia 03/09/2024

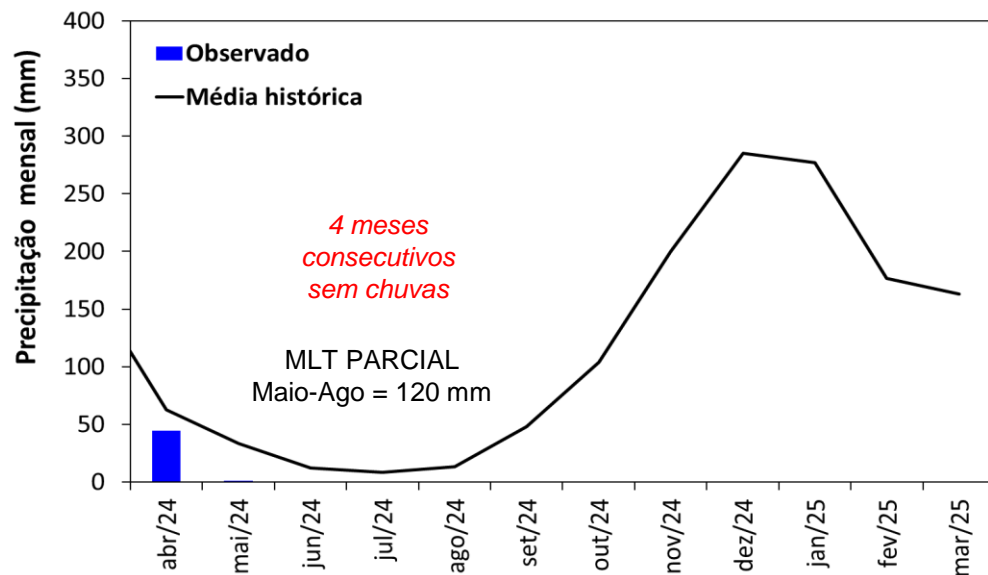


Anomalia de Precipitacao BR\_NE (mm)  
Periodo: 2024091100 a 2024091700



Modelo GFS/NOAA

# Monitoramento UHE Três Marias



## Precipitação

### Estação Chuvosa - Out a Mar - 1205 mm

2022/2023: 1288 mm (107% da MLT)

2023/2024: 1057 mm (88% da MLT)

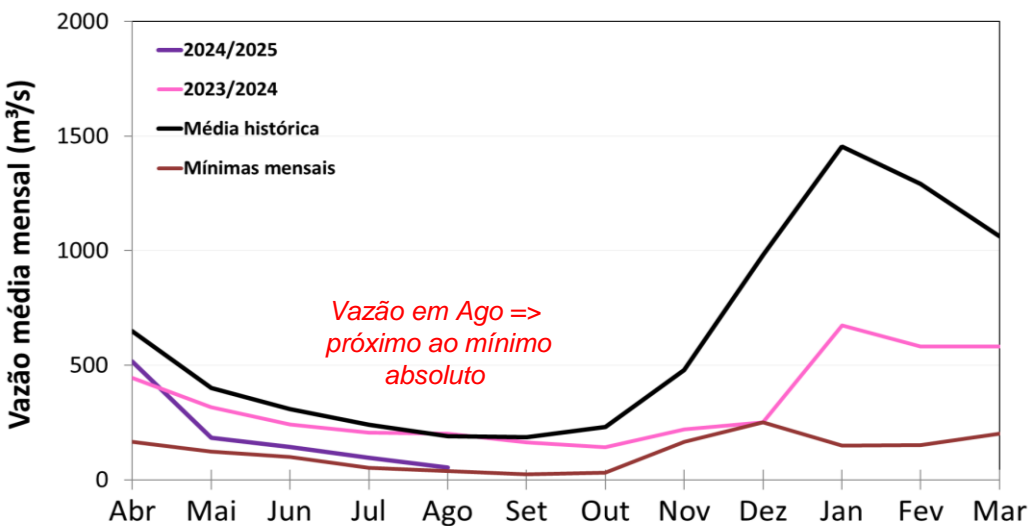
### Estação Seca - Abr a Set – 178 mm

2023: 142 mm (79% da MLT)

2024\*: 47 mm (31% da MLT PARCIAL)

**Agosto/24: 0 mm (MLT = 13 mm)**

\*Até 01/09/2024



## Vazão

### Estação Chuvosa - Nov a Abr - 986 m³/s

2022/2023: 1029 m³/s (104% da MLT)

2023/2024: 470 m³/s (48% da MLT)

### Estação Seca - Maio a Out – 259 m³/s

2023: 211 m³/s (82% da MLT)

2024\*: 119 m³/s (46% da MLT)

**Agosto/24: 54 m³/s (29% da MLT)**

**01/Set/24: 43 m³/s (23% da MLT)**

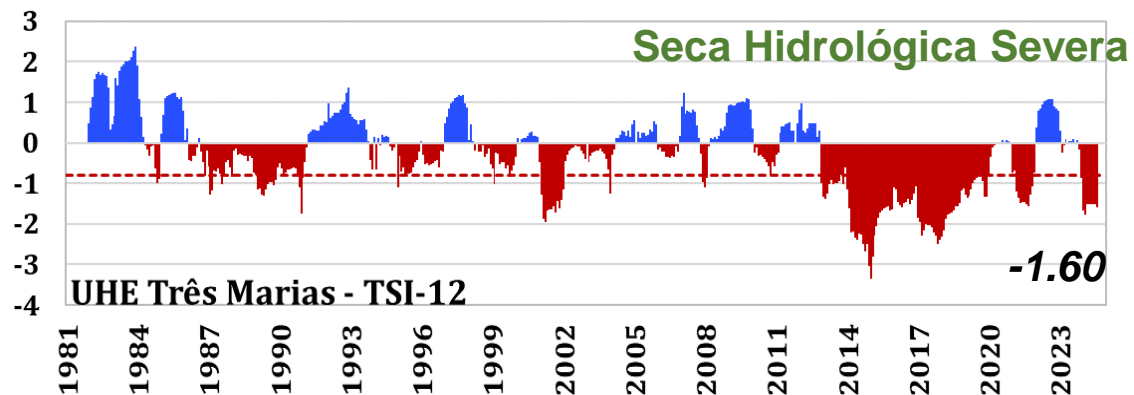
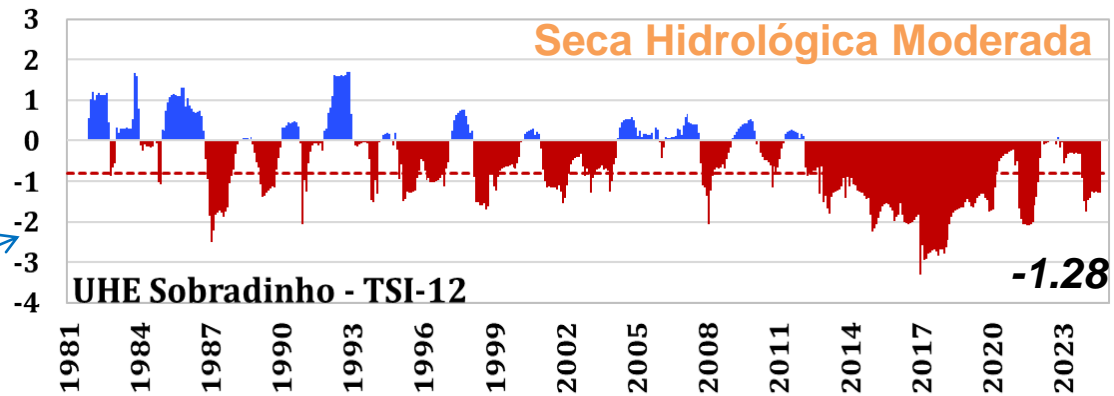
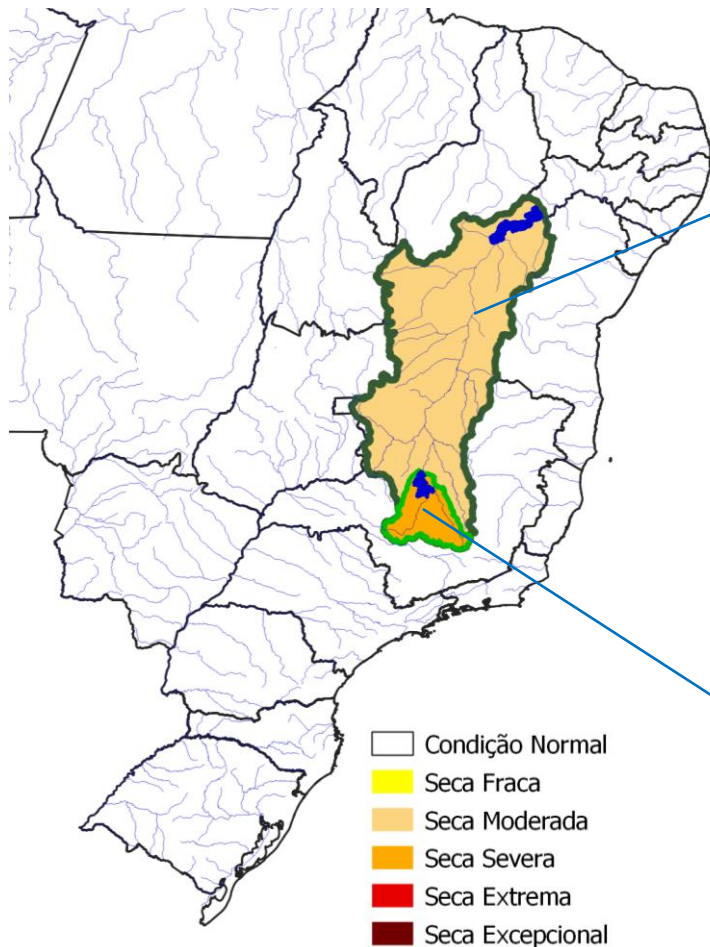
\*Até 01/09/2024



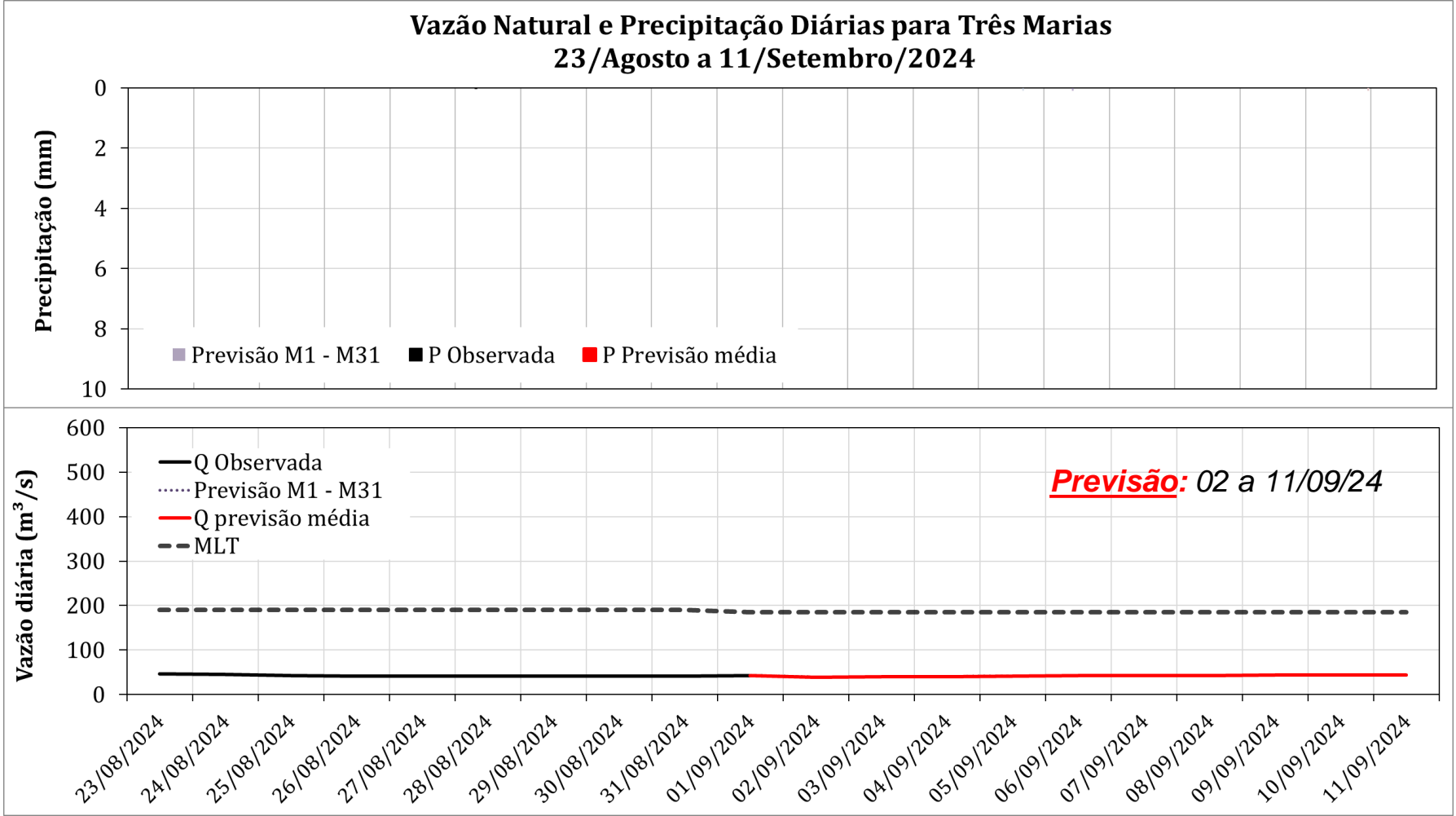
# Monitoramento UHE Três Marias e Sobradinho

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

Agosto/2024

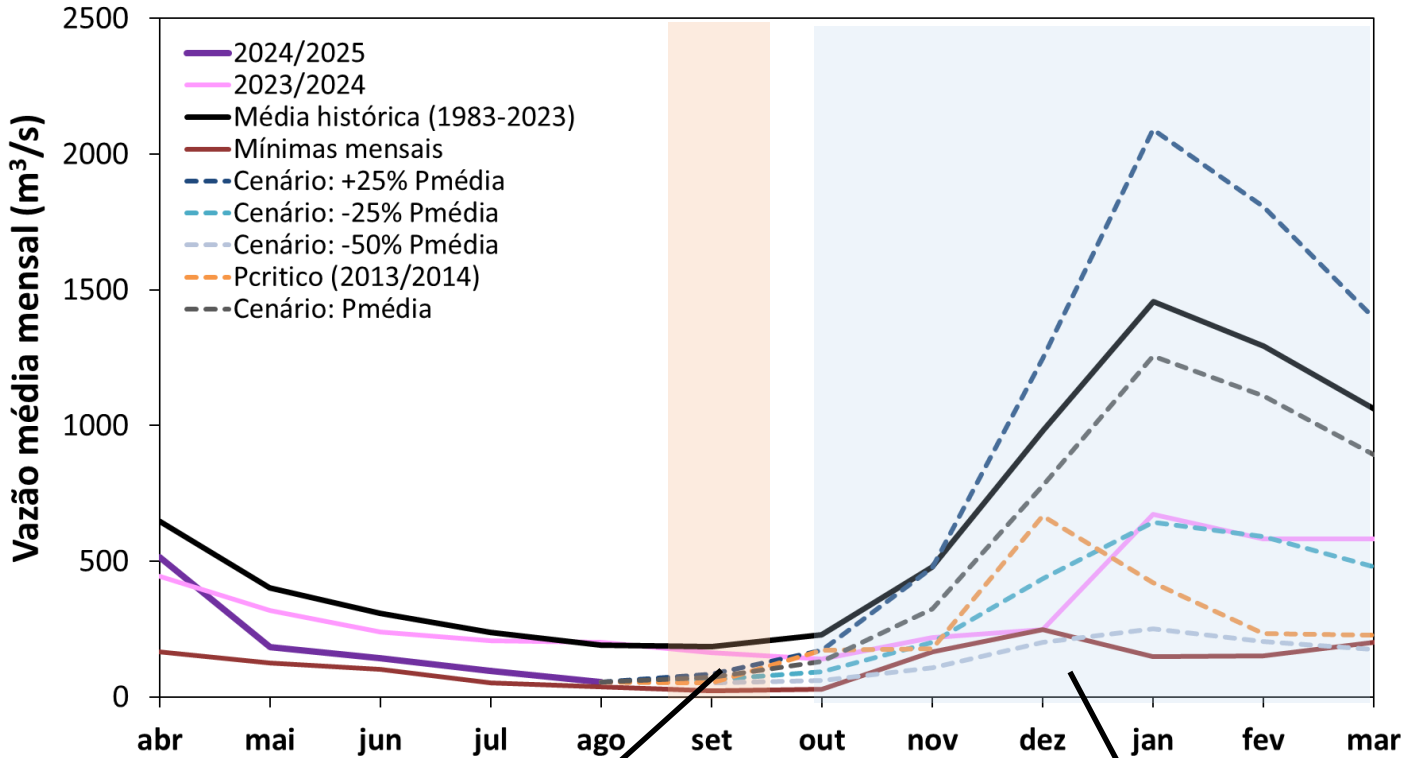


# UHE Três Marias: Previsão de Vazão (modelo PDM/CEMADEN)



**Previsão média para os próximos 10 dias: 42 m³/s ➡ 22% da MLT de Setembro**

# Três Marias: Projeção de Vazão (Modelo hidrológico PDM-CEMADEN)



**Set (Mes seco)**  
**MLT: 185 m³/s**

Vazão	% MLT
86 m³/s	46%
74 m³/s	40%
63 m³/s	34%
53 m³/s	29%

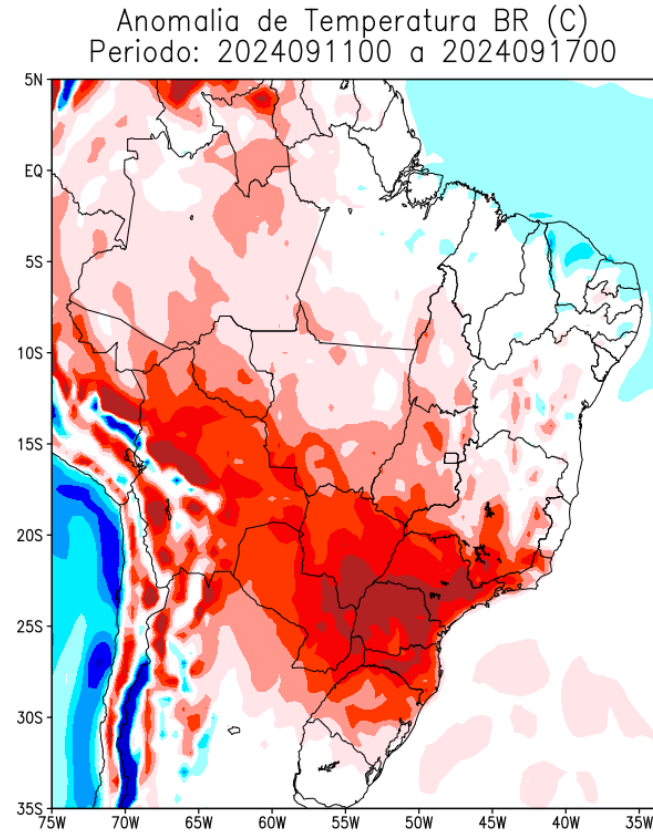
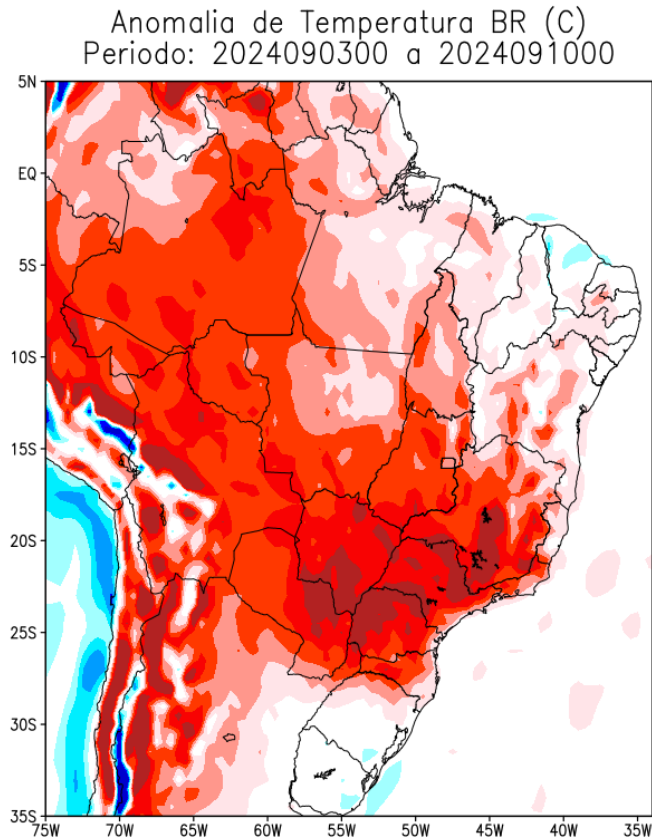
**Out-Mar (Meses chuvosos)**  
**MLT: 917 m³/s**

Vazão	% MLT
1199 m³/s	131%
749 m³/s	82%
407 m³/s	44%
317 m³/s	35%

# Previsão de Temperatura

1ª Semana

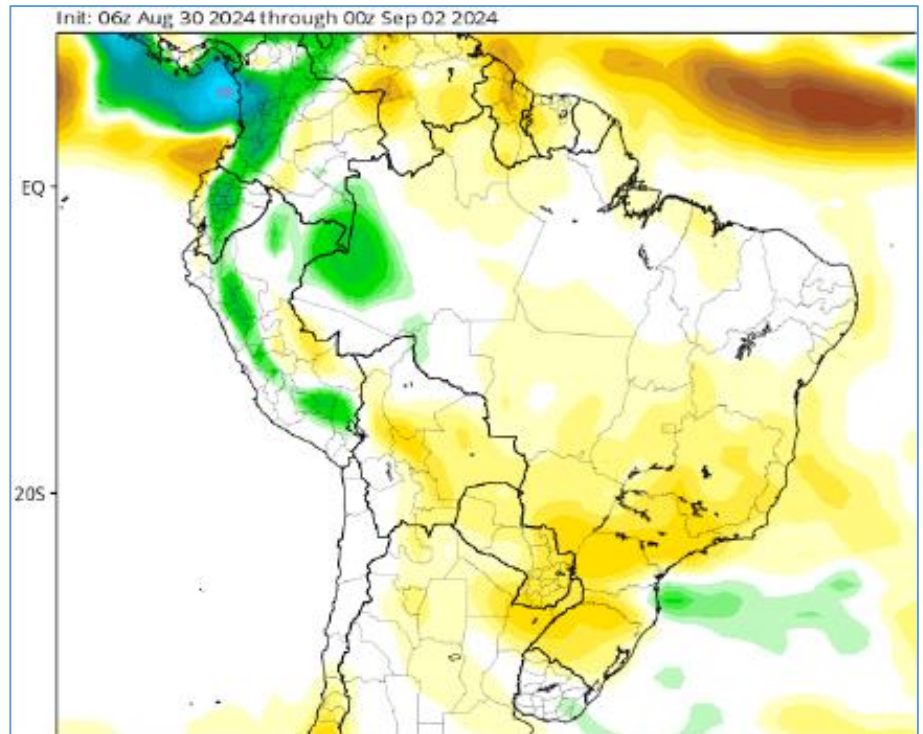
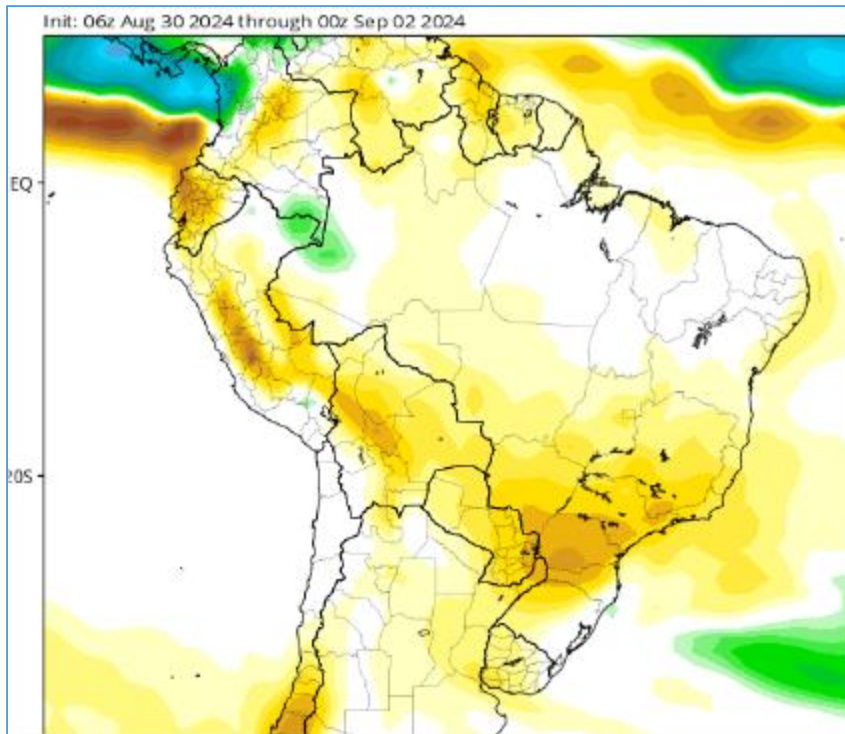
2ª Semana



## Tendência 3a e 4a semanas

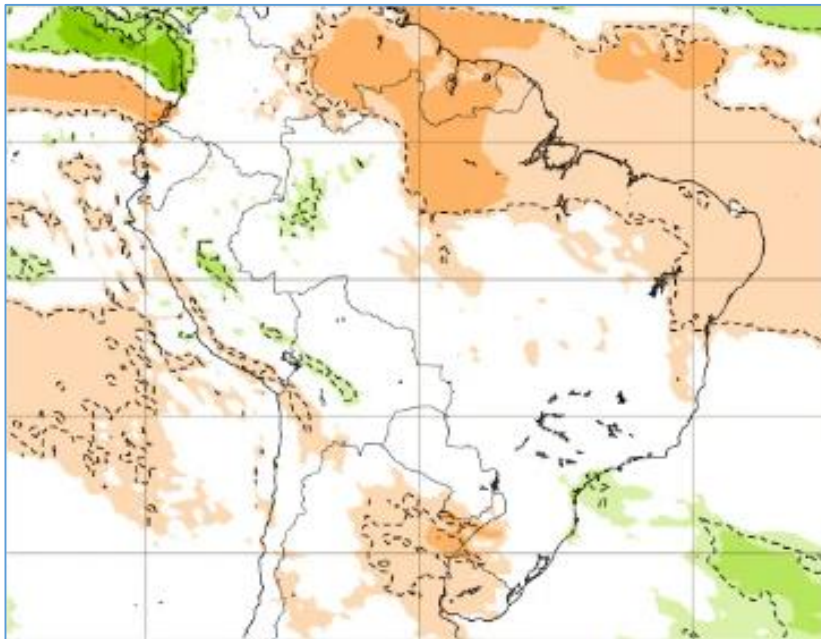
16-23 SETEMBRO

23-30 SETEMBRO

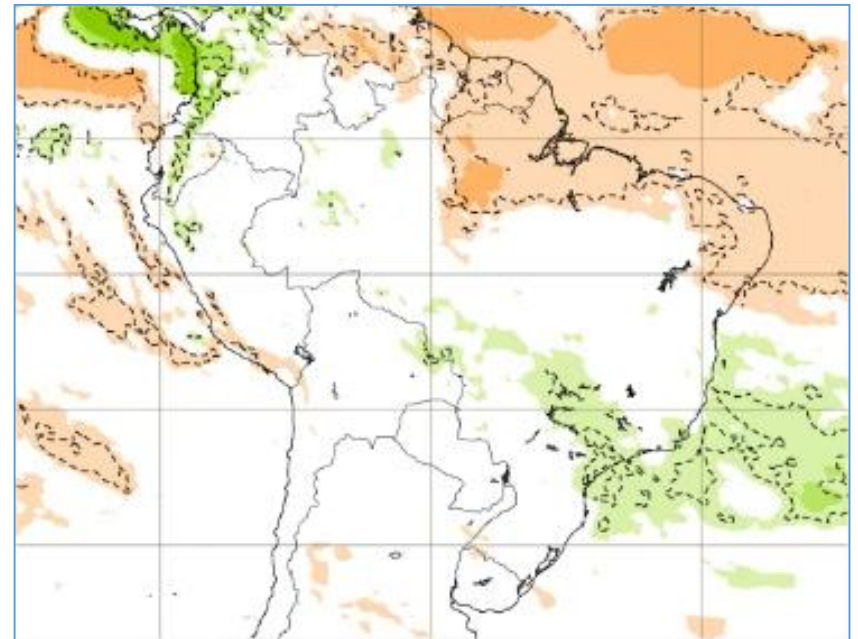


# Tendência para 3ª e 4ª semanas

16-23 SETEMBRO

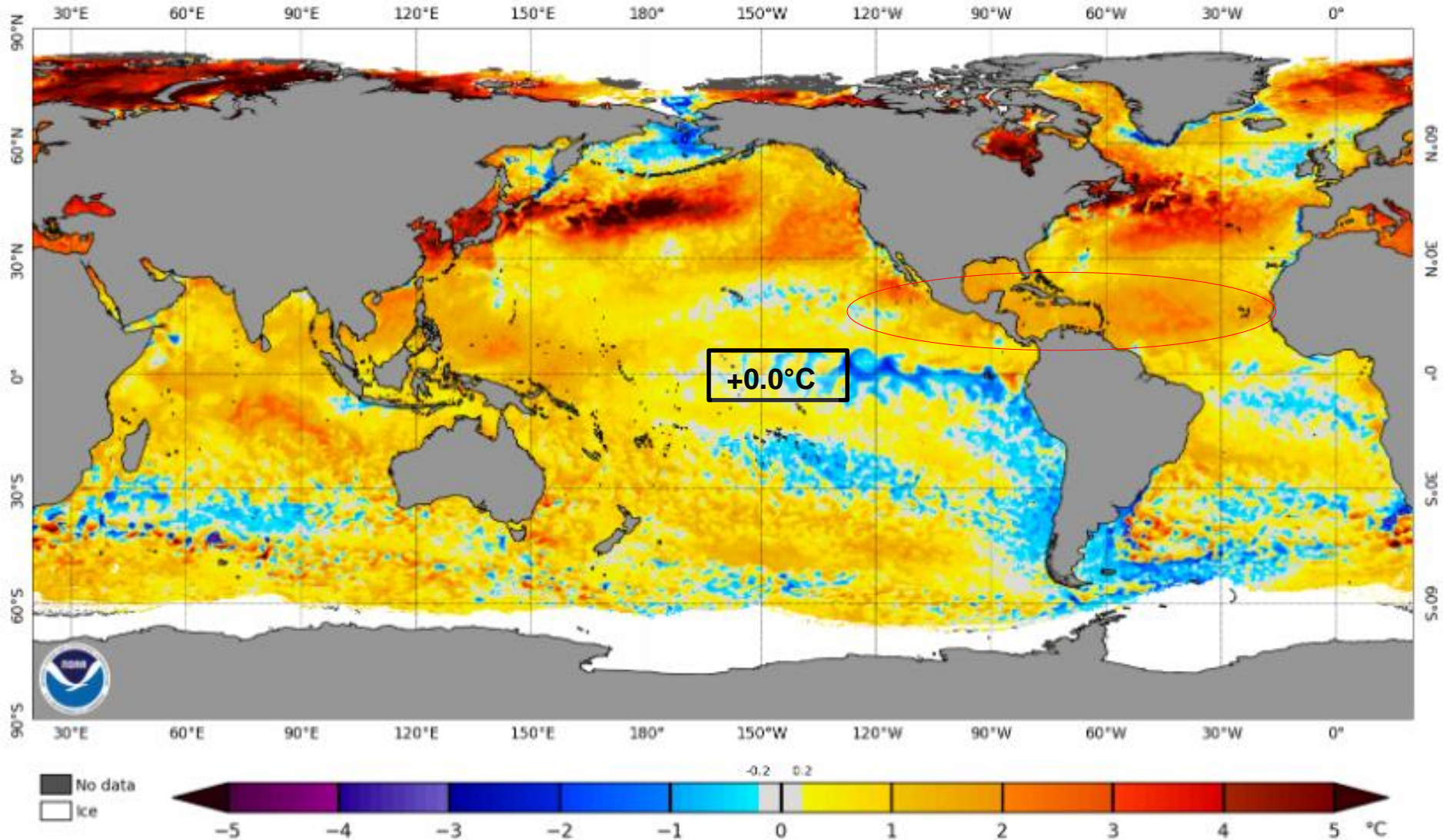


23-30 SETEMBRO



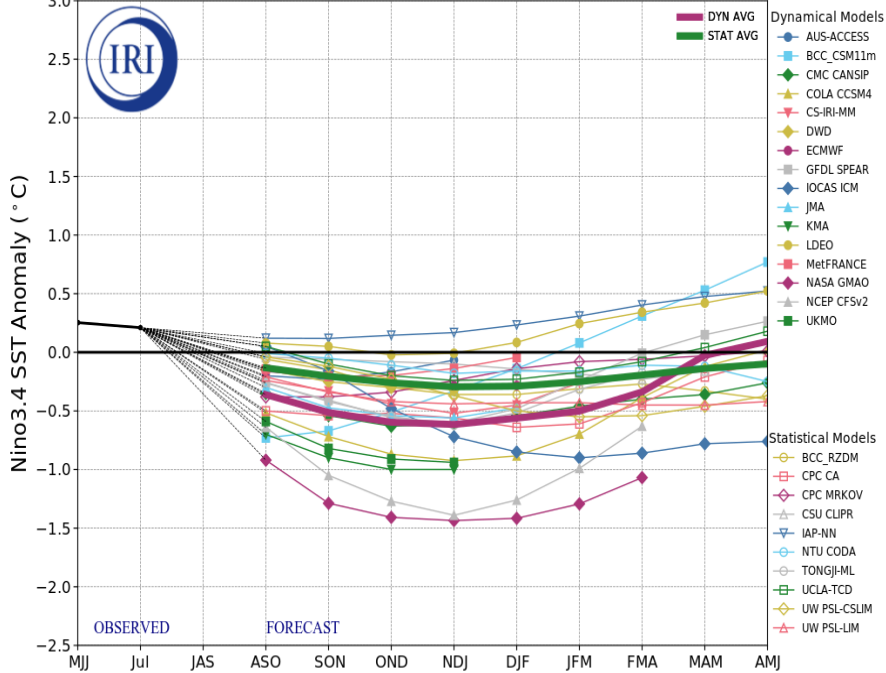
# Status Atual: **La Niña Watch**

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 26 Aug 2024

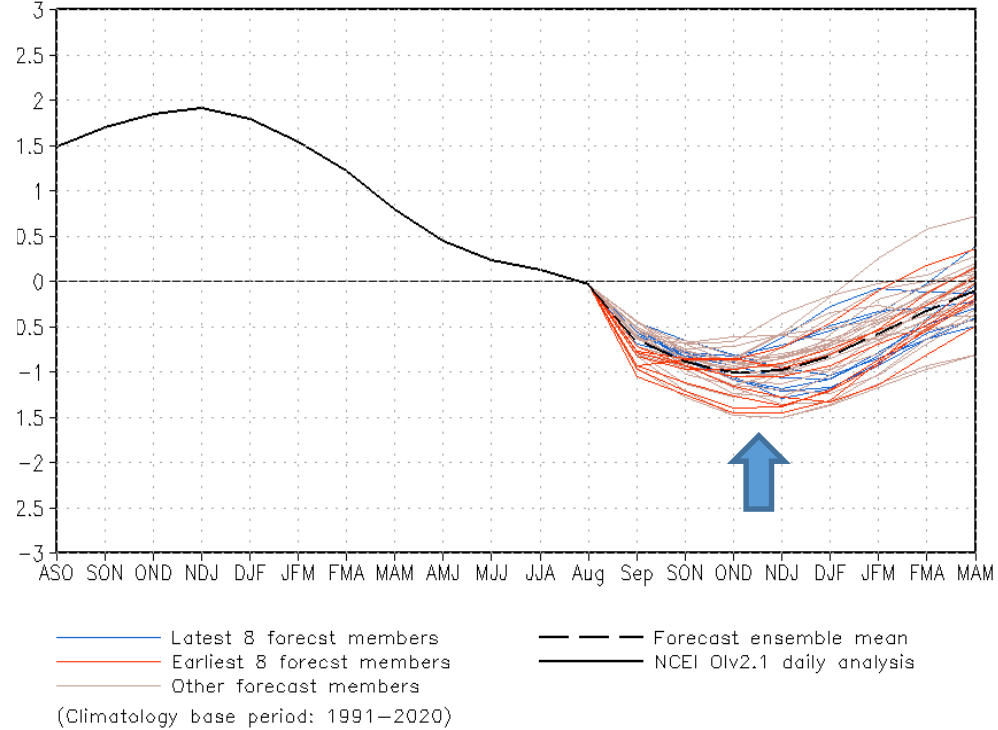


# Previsão do “ENSO”

Model Predictions of ENSO from Aug 2024



CFSv2 forecast Nino3.4 SST anomalies (K) (PDF corrected)



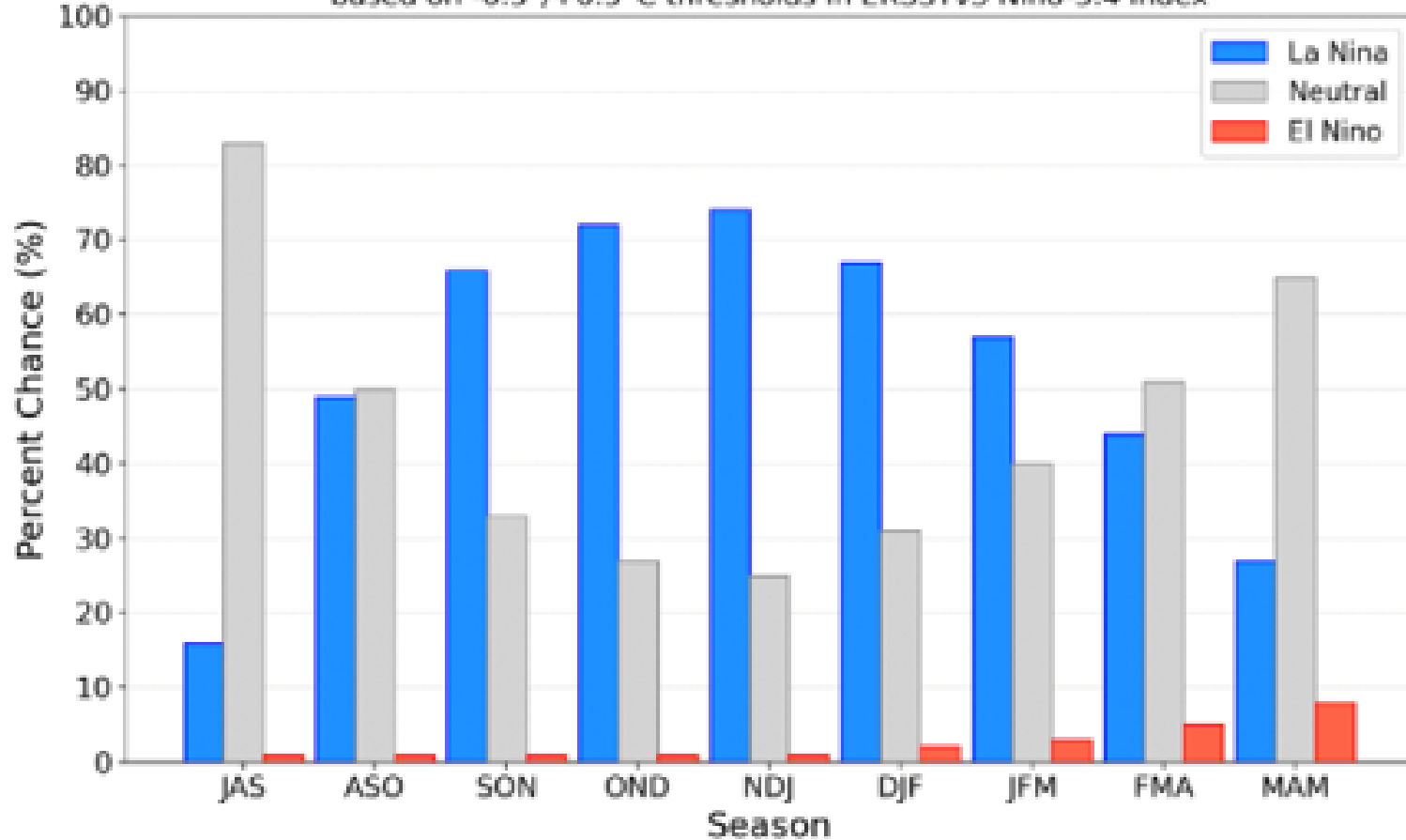
Atualizado 26 de Agosto



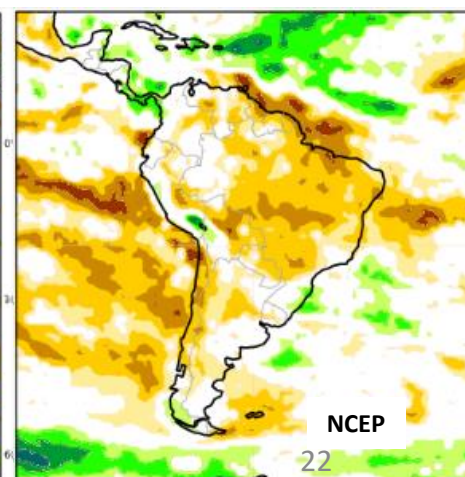
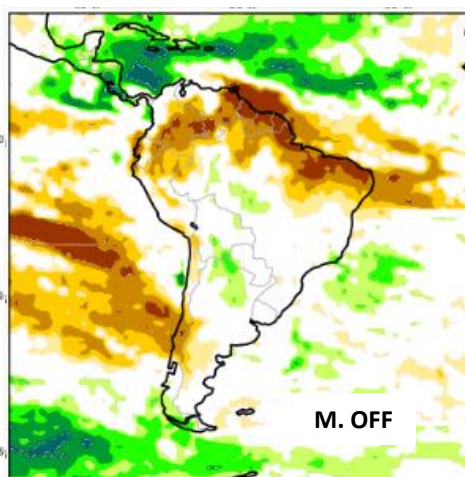
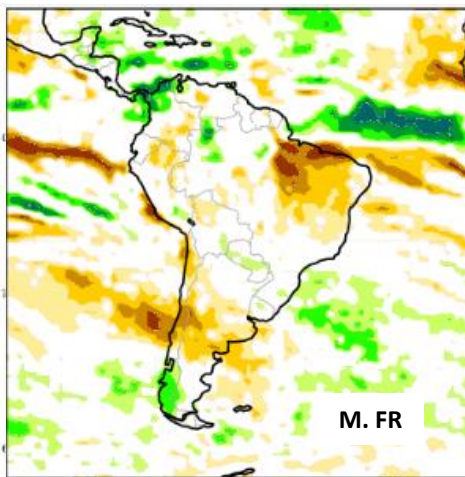
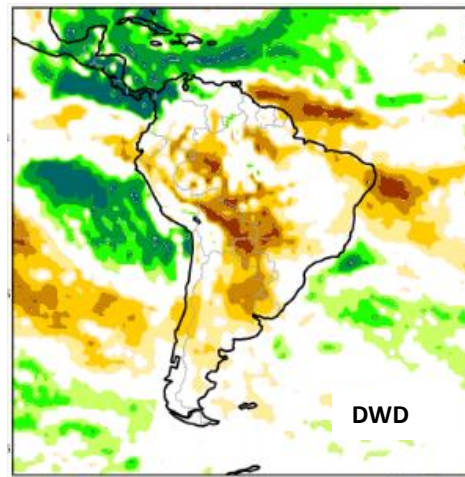
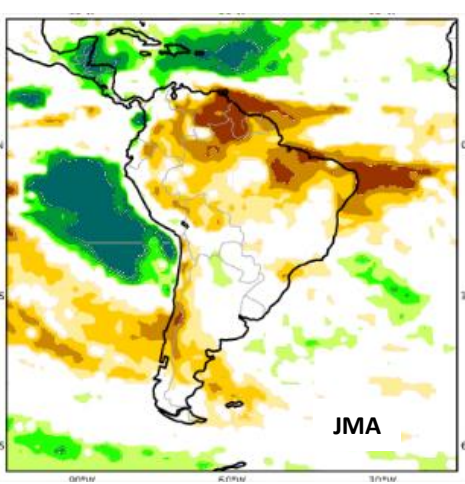
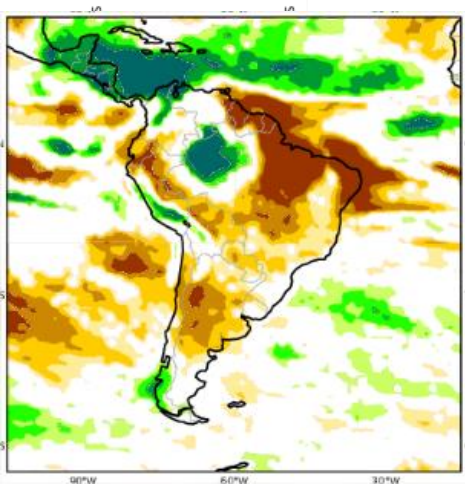
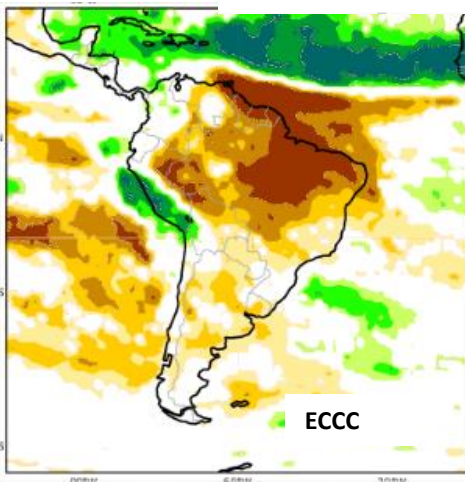
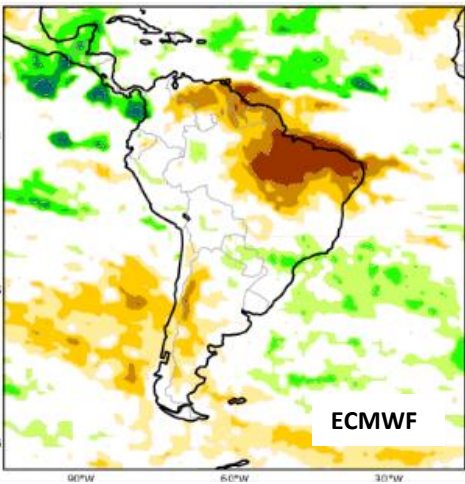
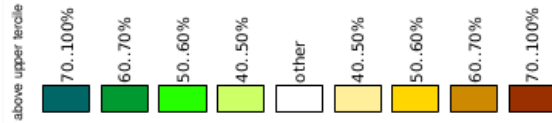
# Previsão do “ENSO”

## Official NOAA CPC ENSO Probabilities (issued August 2024)

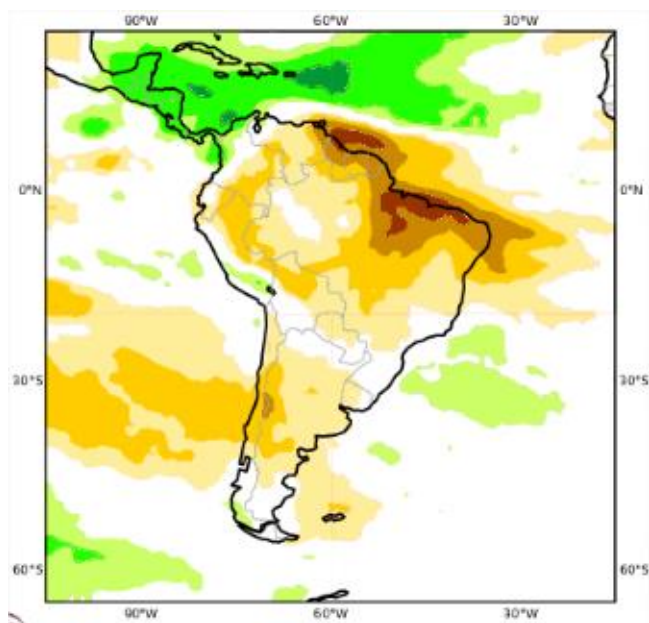
based on  $-0.5^{\circ}/+0.5^{\circ}\text{C}$  thresholds in ERSSTv5 Niño-3.4 index



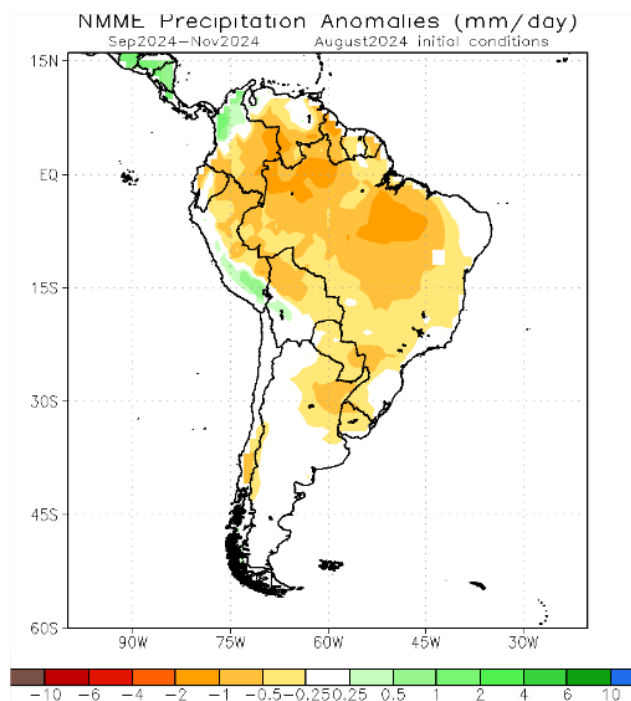
# Previsão Sazonal de Chuva SON



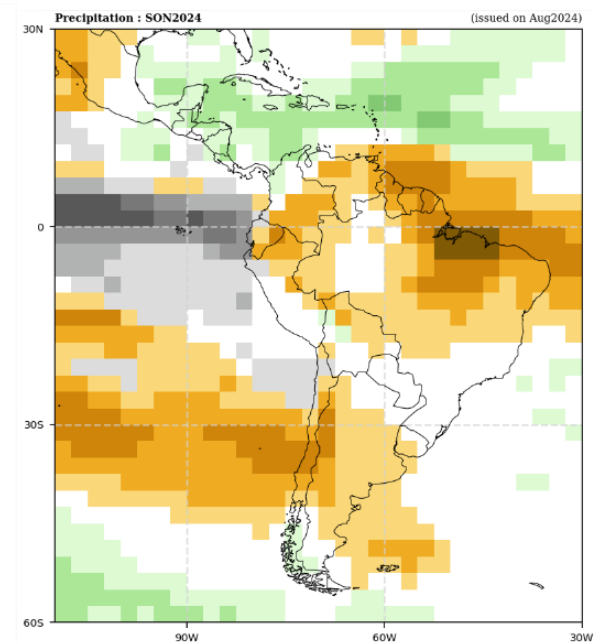
# Previsão Sazonal de Chuva Multi-Modelo para SON



Modelos Europeus



Modelos Americanos



Modelos da Organização Meteorológica Mundial