

# Monitoramento da bacia do rio Paranapanema

AGOSTO/2024



UNIDADE DE PESQUISA DO MCTI

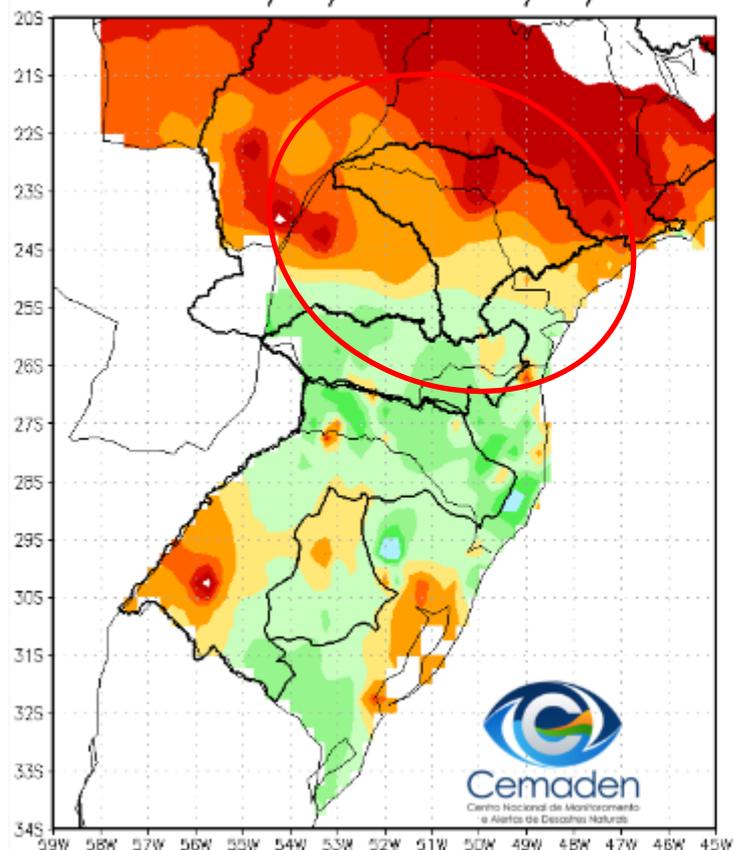
MINISTÉRIO DA  
CIÊNCIA, TECNOLOGIA  
E INOVAÇÕES



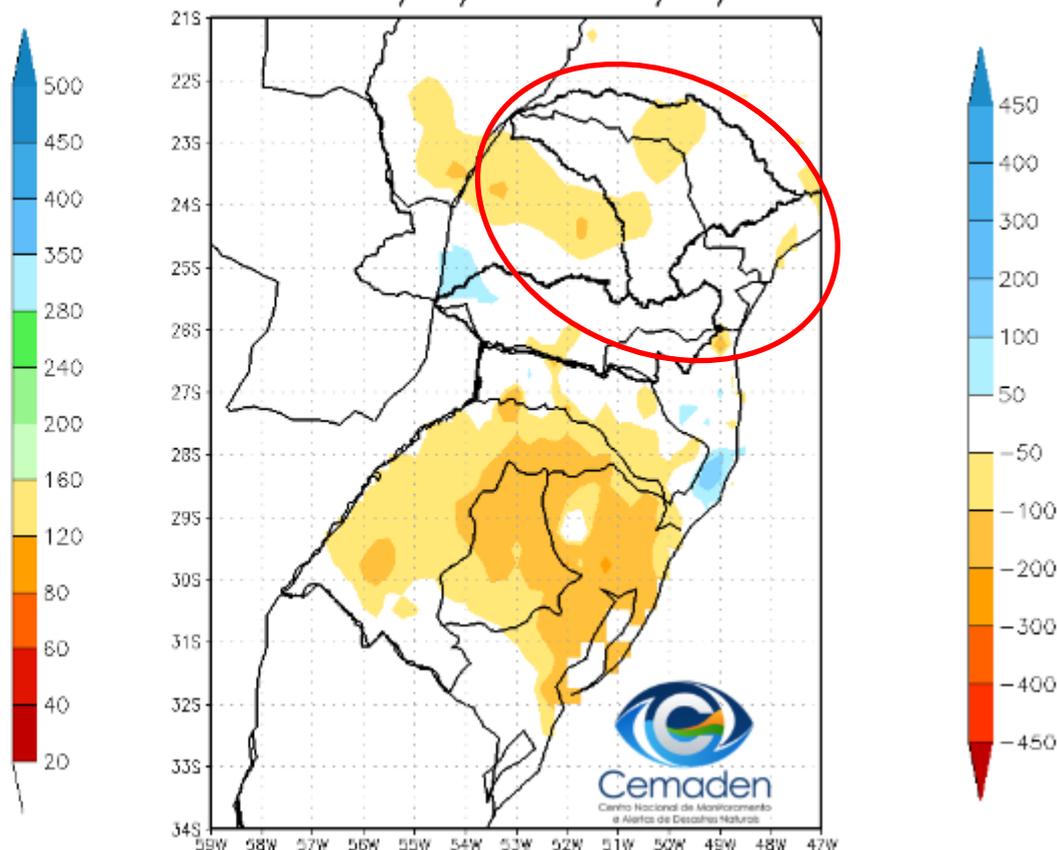


## Precipitação acumulada nos últimos 30 dias

Precipitação Acumulada (mm) A.S.  
Período: 29/06/2024 a 28/08/2024

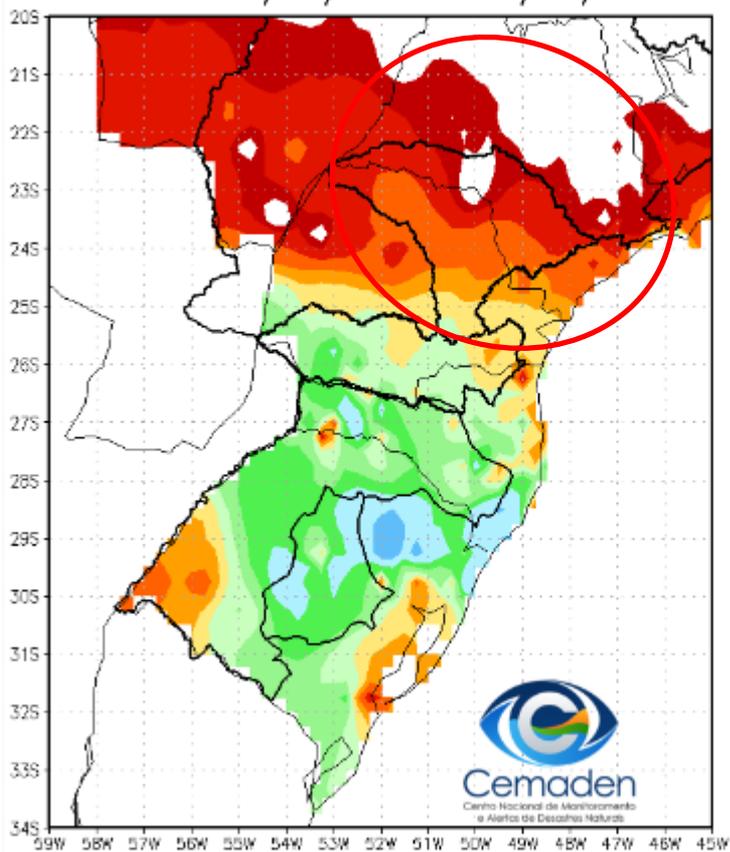


Anomalia de Precipitação (mm) A.S.  
Período: 29/06/2024 a 28/08/2024

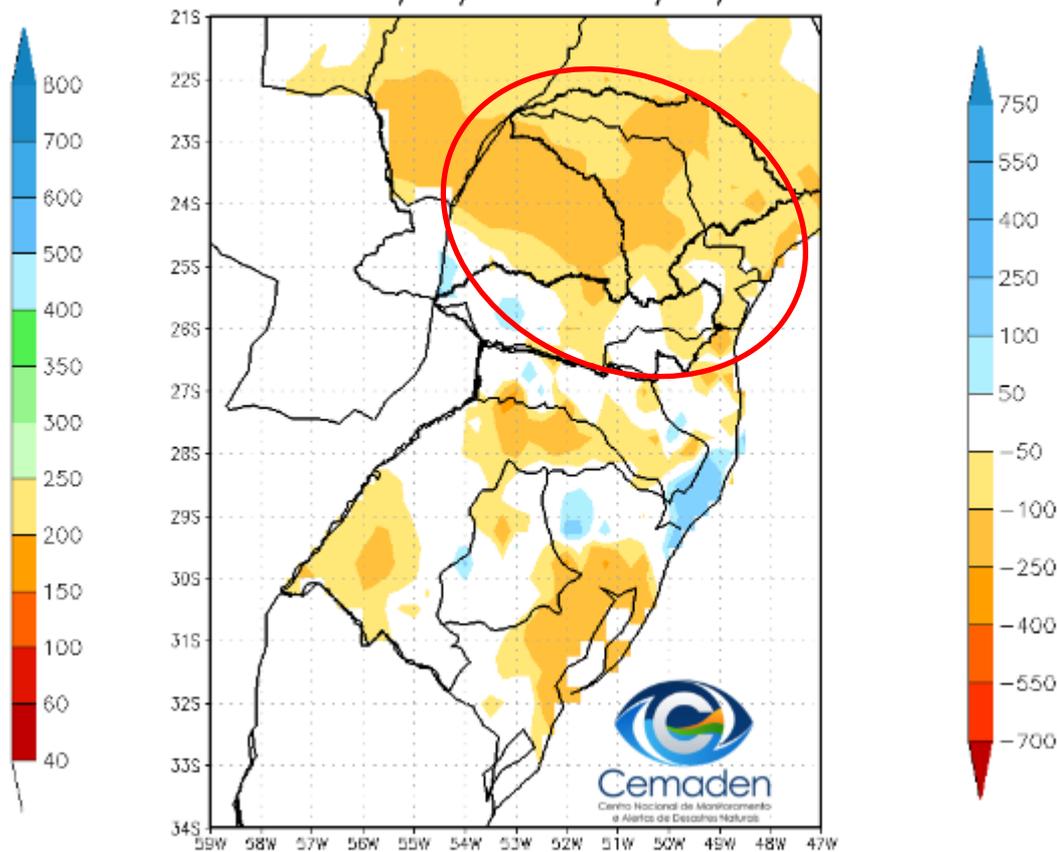


## Precipitação acumulada Ano Hidrológico

Precipitação Acumulada (mm) A.S.  
Período: 30/05/2024 a 28/08/2024

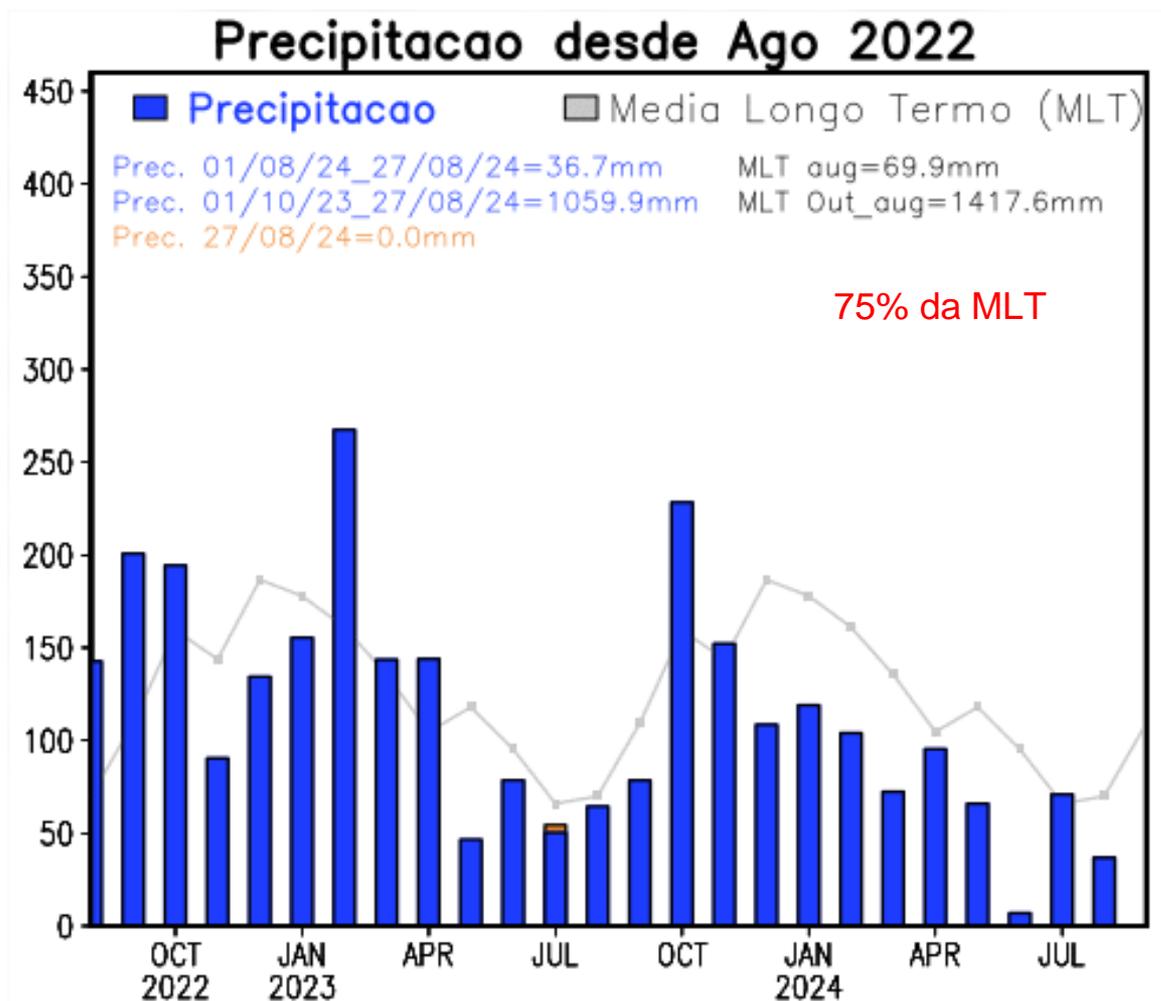


Anomalia de Precipitação (mm) A.S.  
Período: 30/05/2024 a 28/08/2024



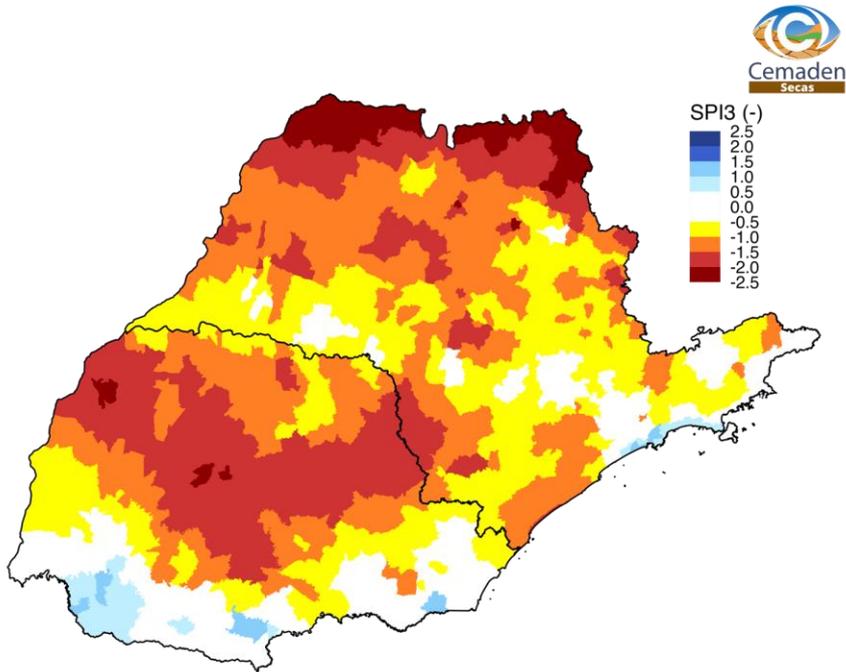


## Evolução temporal da precipitação



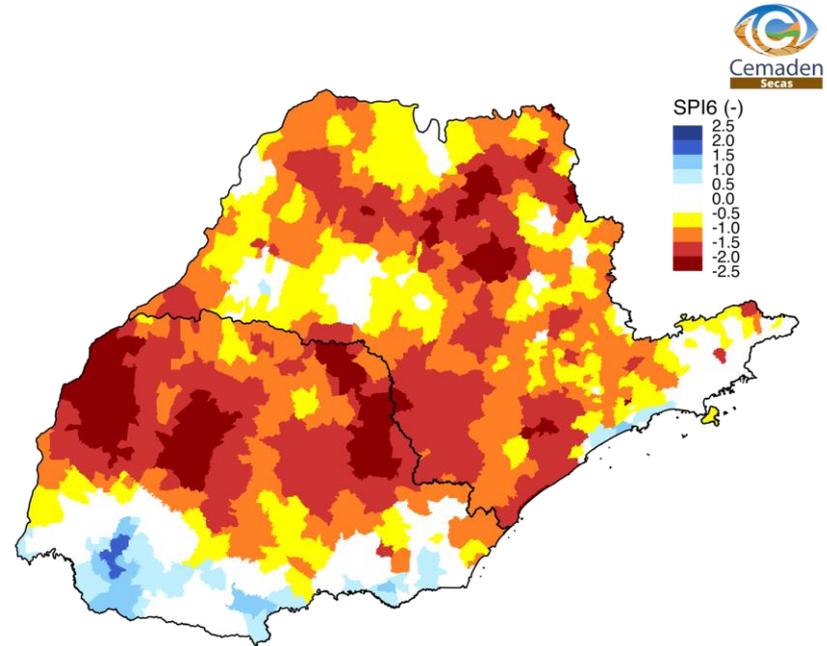
## SPI: AGOSTO 2024

### SPI-03



Agosto 2024  
Índice Padronizado de Precipitação (SPI, 3 meses)  
Fonte: Cemaden/MCTI.

### SPI-06

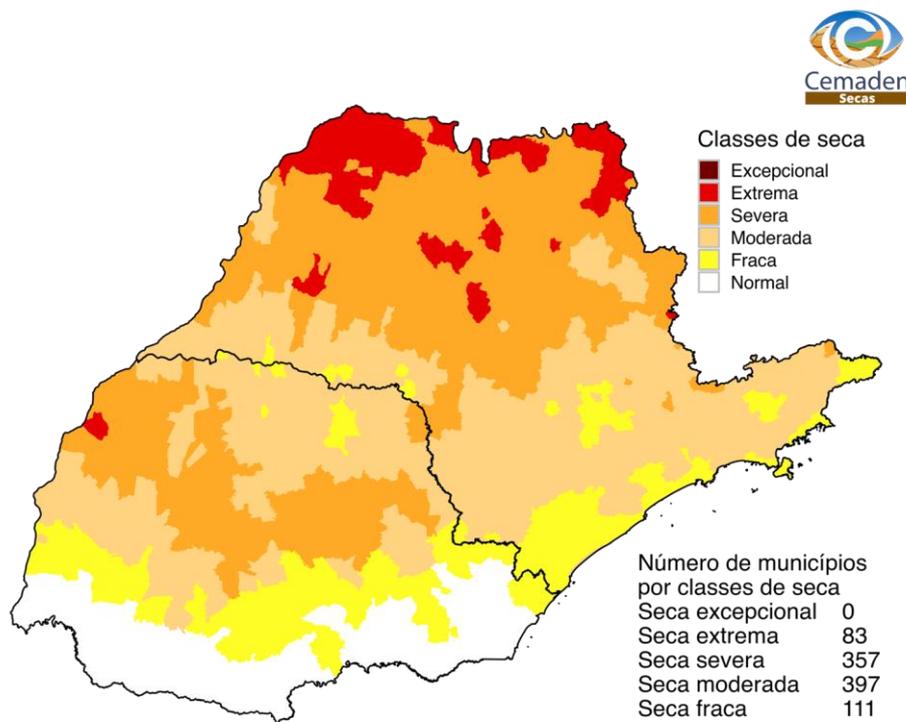


Agosto 2024  
Índice Padronizado de Precipitação (SPI, 6 meses)  
Fonte: Cemaden/MCTI.

## ÍNDICE INTEGRADO DE SECA - IIS

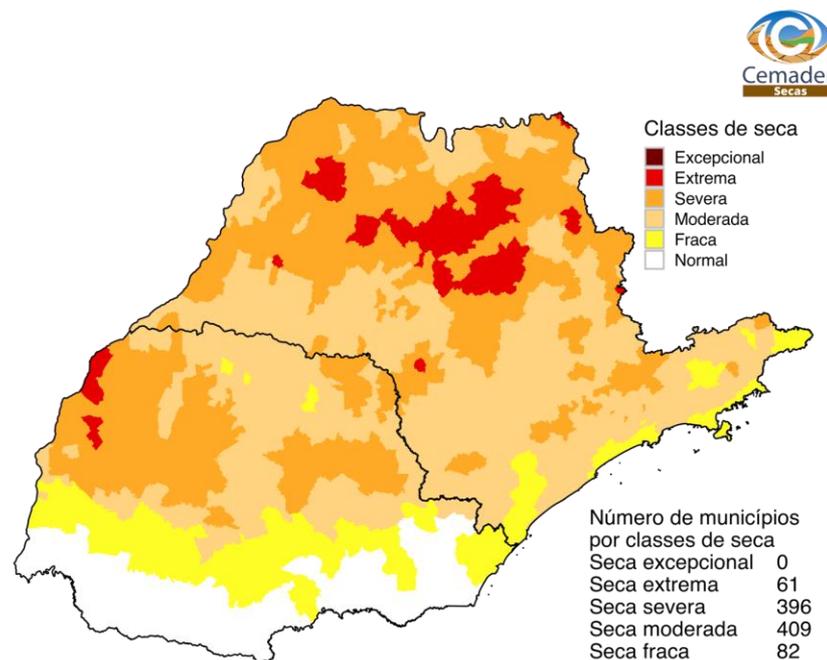
(SPI3 E 6 + VHI + AUS): AGOSTO/2024

**IIS 3 MESES**



Agosto 2024  
Índice Integrado de Seca (SPI3, VHI, US)  
Fonte: Cemaden/MCTI.

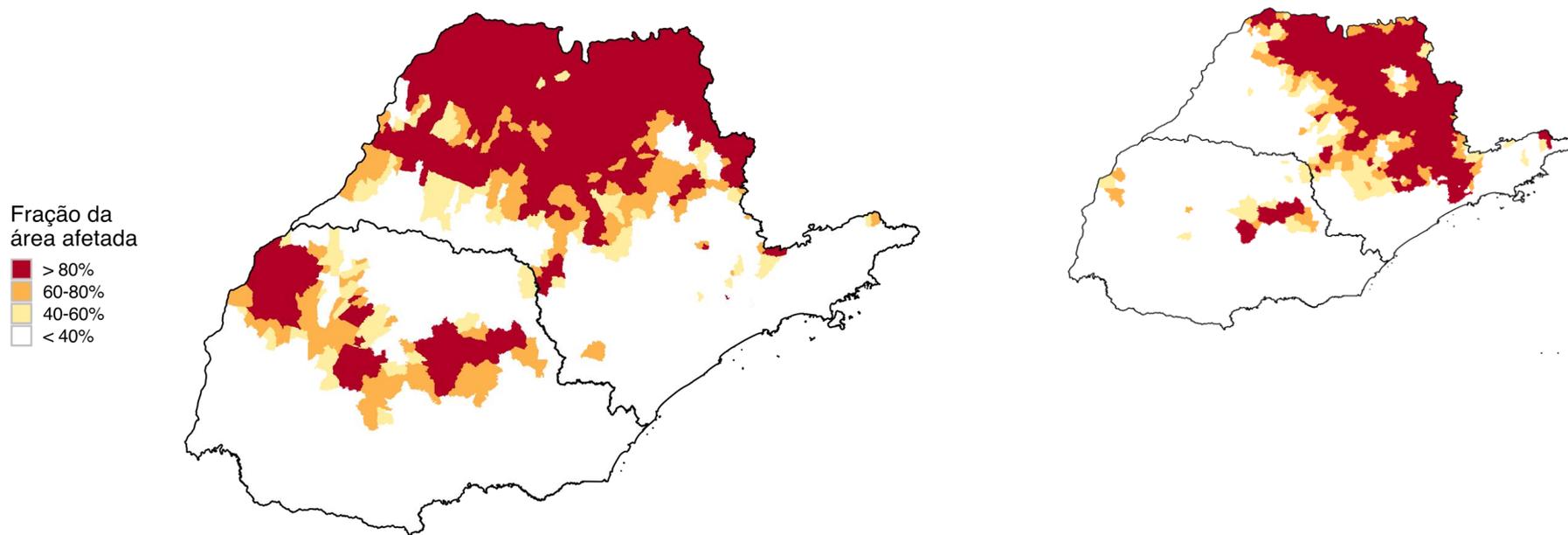
**IIS 6 MESES**



Agosto 2024  
Índice Integrado de Seca (SPI6, VHI, US)  
Fonte: Cemaden/MCTI.

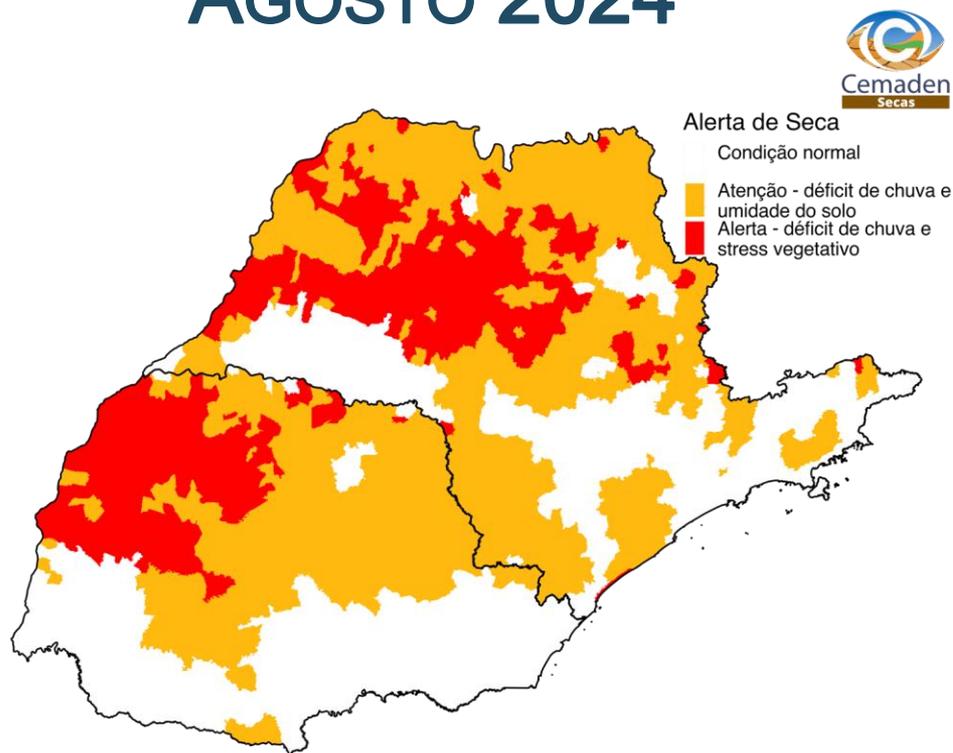
## ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

### IIS-03 Agosto/24



Agosto 2024  
Fração da área agroprodutiva afetada pela seca  
Fonte: Cemaden/MCTI.

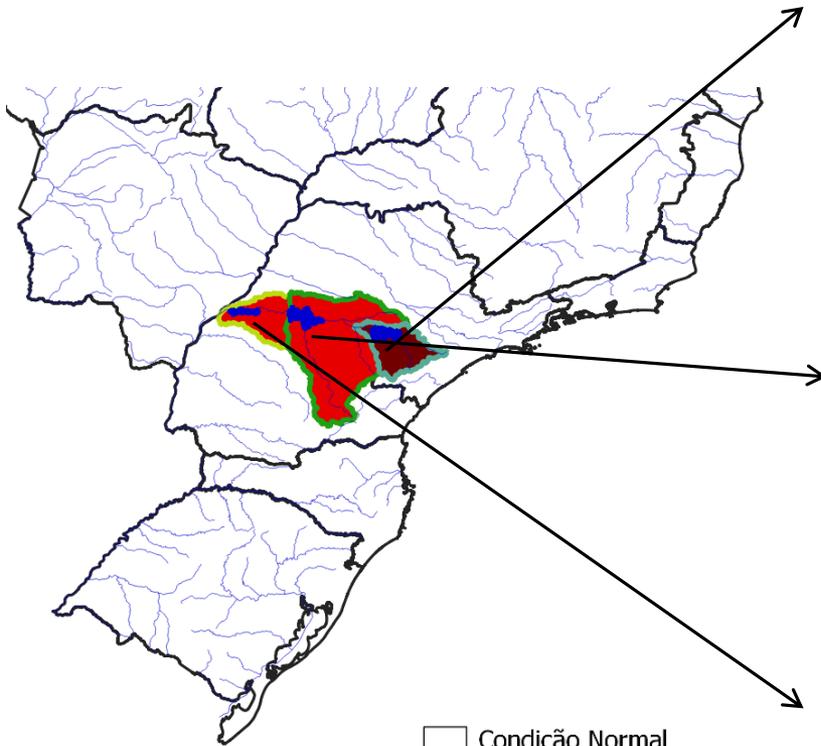
# PROGRESSÃO INCREMENTAL DAS CONDIÇÕES DE SECA (PICS) AGOSTO 2024



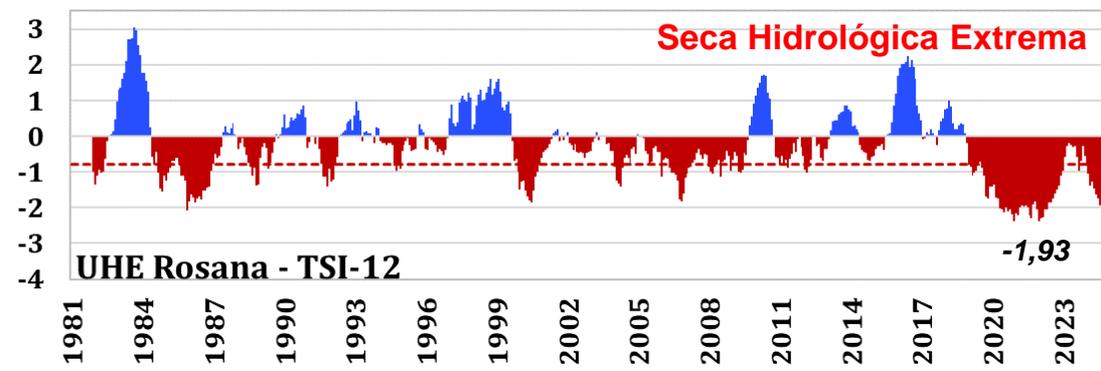
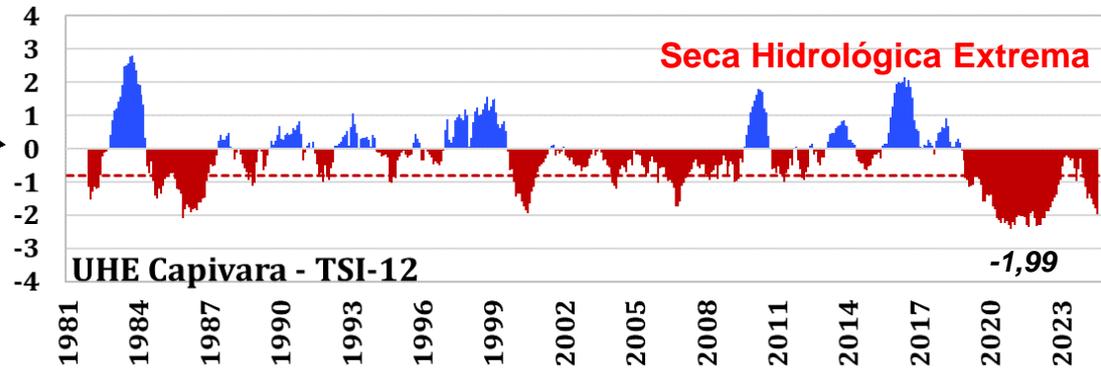
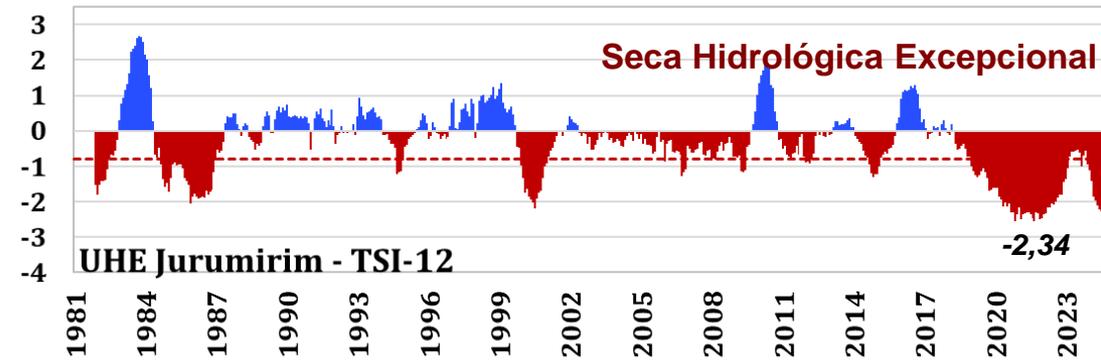
Agosto 2024  
Propagação Incremental das Condições de Seca (PICS)  
Fonte: Cemaden/MCTI.

# Índice Padronizado Bivariado (Chuva-Cota) - TSI (Two-variate Standardized Index – Escala de 12 meses)

Agosto/2024

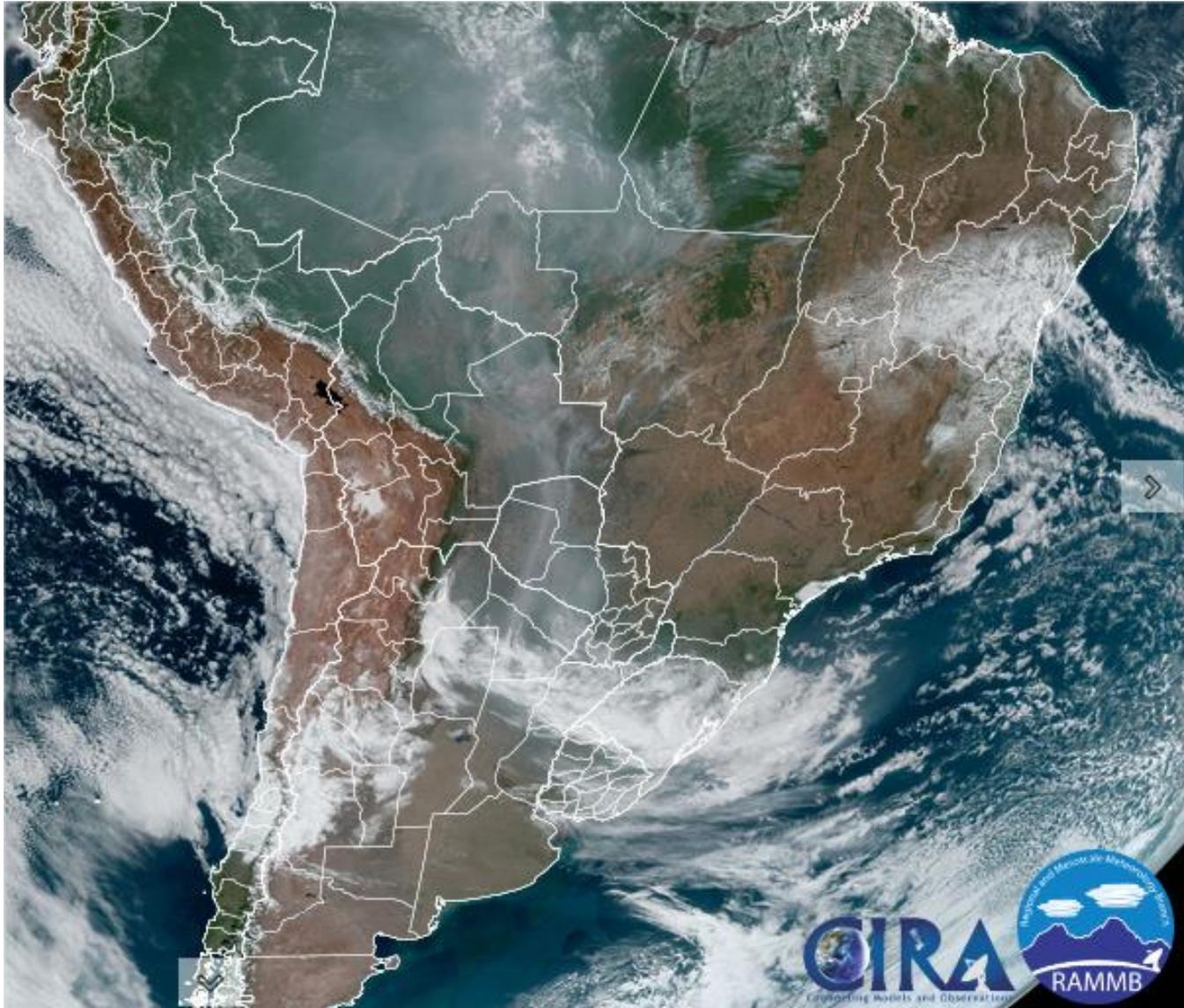


- Condição Normal
- Seca Fraca
- Seca Moderada
- Seca Severa
- Seca Extrema
- Seca Excepcional



Fonte dos dados: Precipitação (Cemaden/INMET) e Vazão (ONS/ANA) - Jan/1981-Agosto/2024. Estimativa TSI e Gráficos: CEMADEN

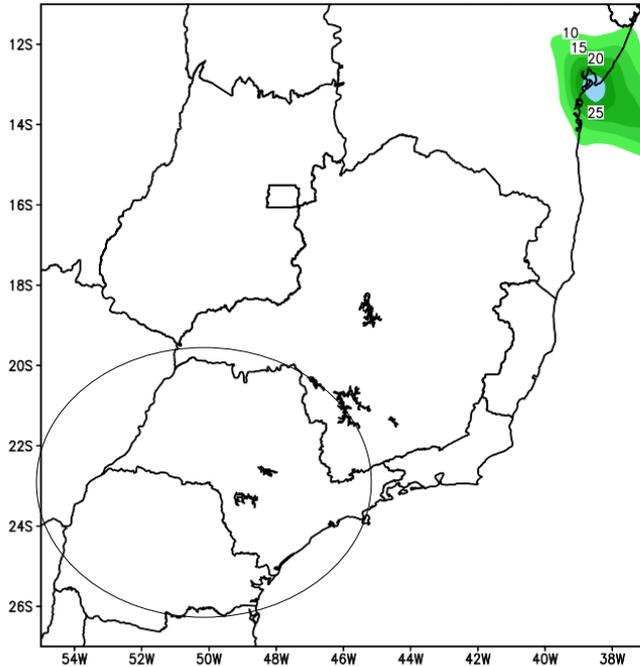
# Situação meteorológica atual



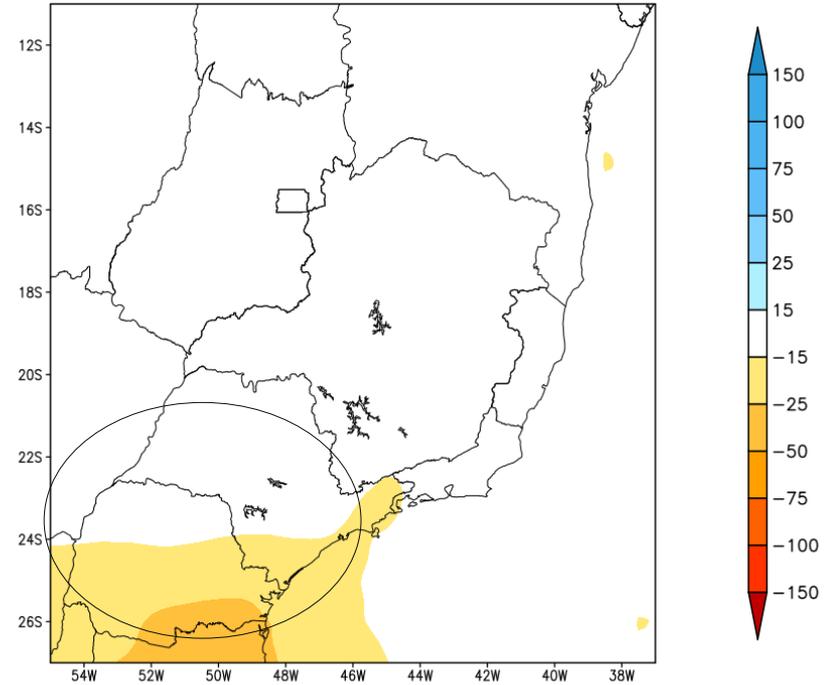


## Previsão de chuva próximos 7 dias

GEFS / BRASIL\_SE  
Precipitação acumulada 1aSem (mm)  
Previsão das 00Z dia 29/08/2024



Anomalia de Precipitação BR\_SE (mm)  
Período: 2024082900 a 2024090500

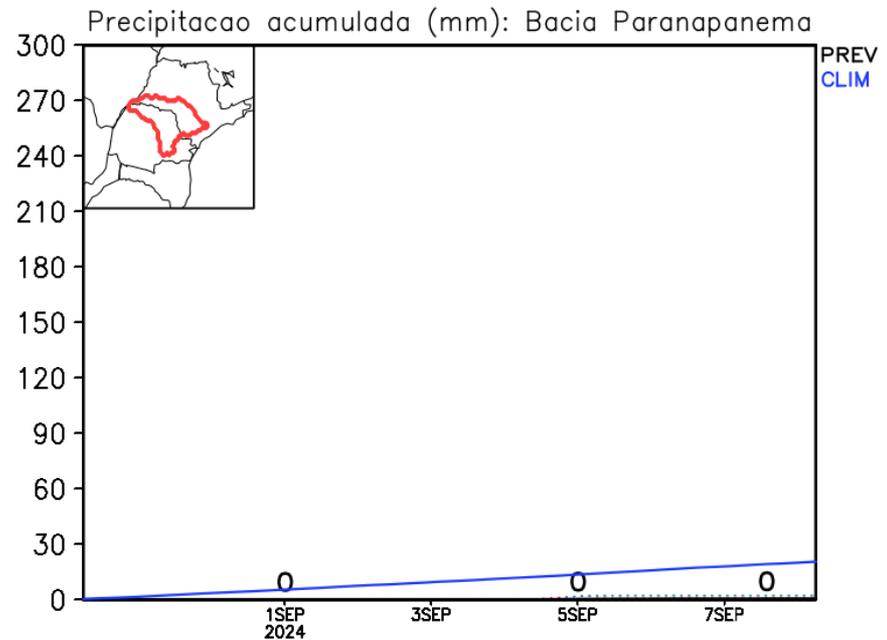
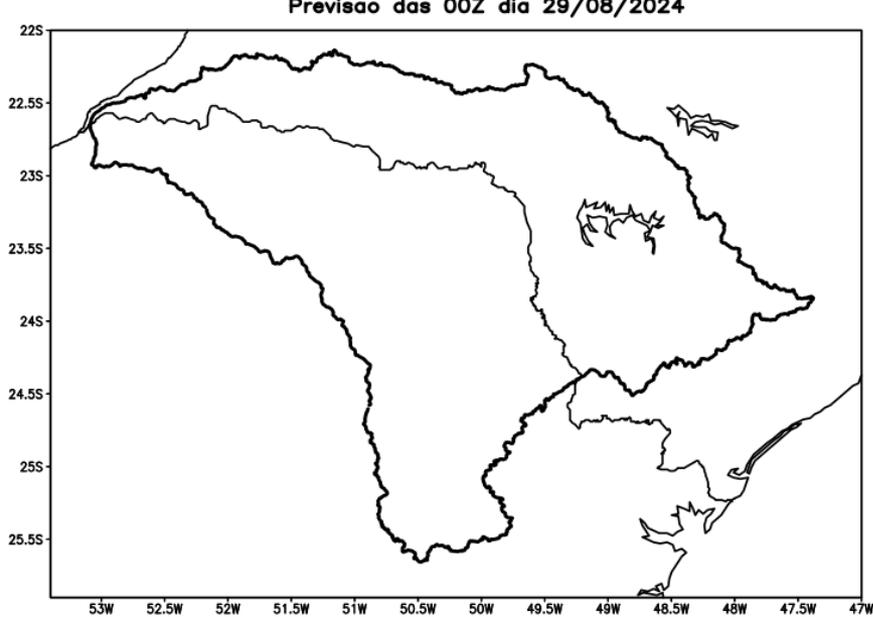


MODELO GEFS



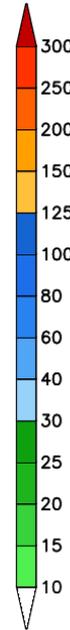
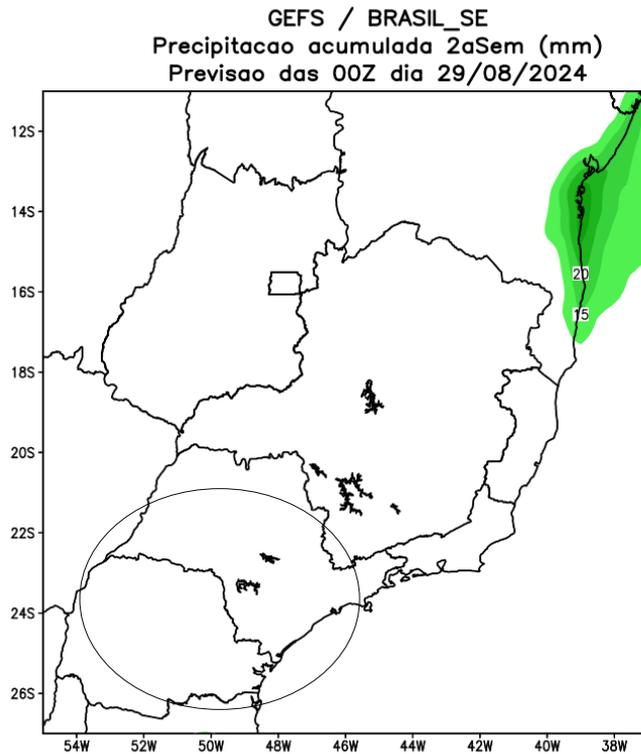
## Previsão para a bacia do rio Paranapanema

GEFS / Bacia do Rio Paranapanema  
Precipitação acumulada em 7 dias (mm)  
Previsão das 00Z dia 29/08/2024

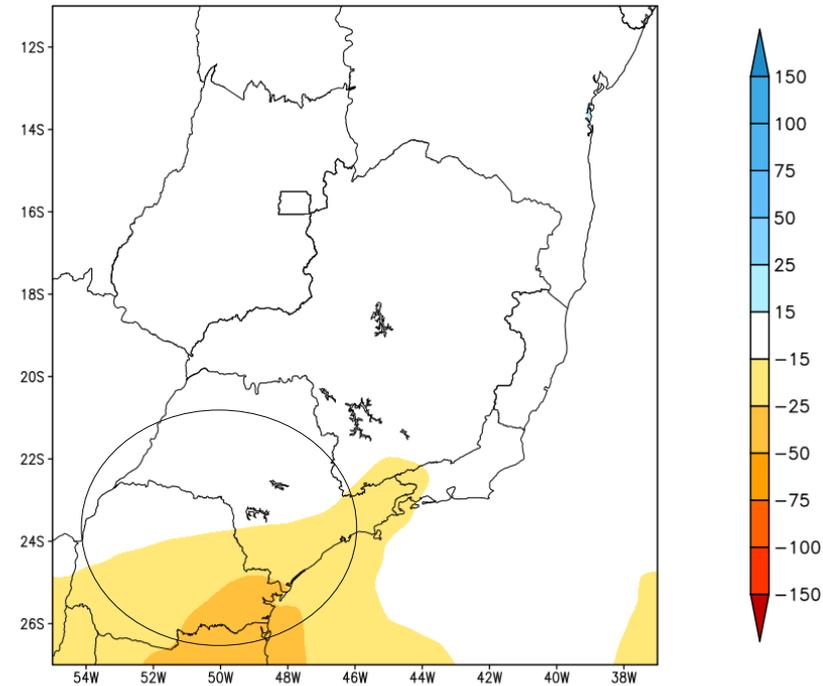




## Tendência para a segunda semana



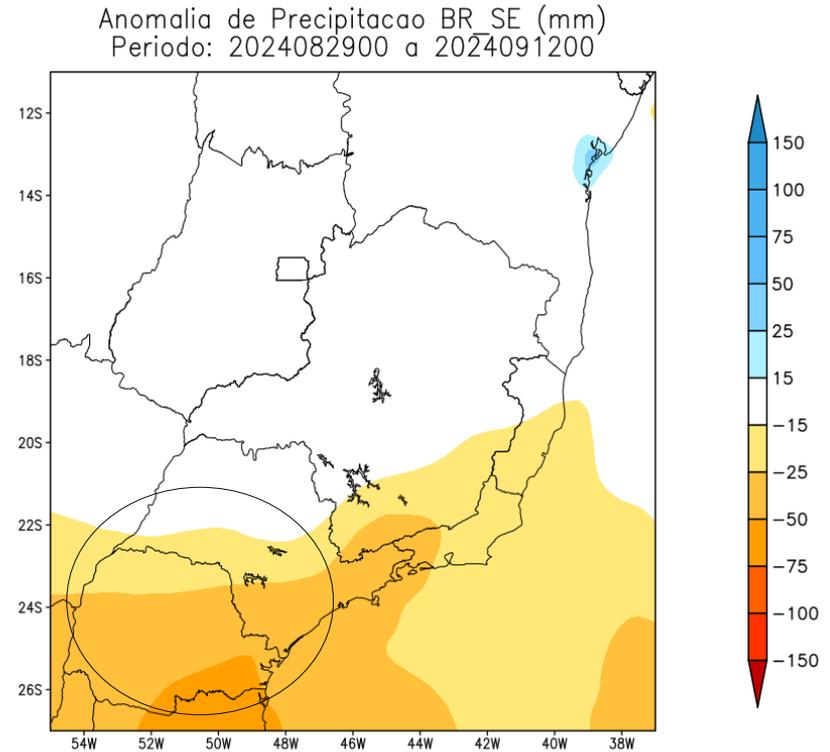
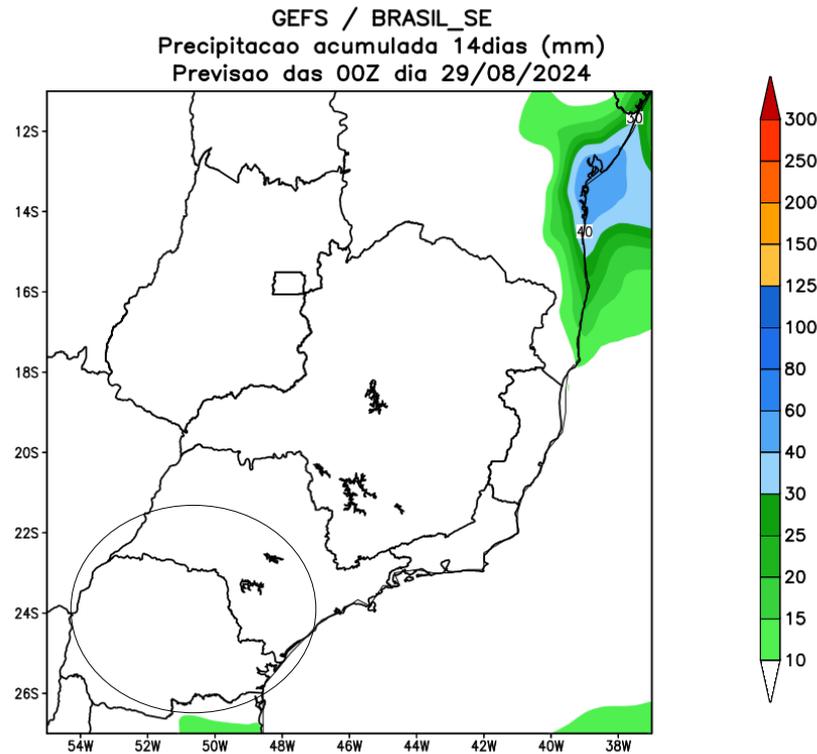
Anomalia de Precipitacao BR\_SE (mm)  
Periodo: 2024090600 a 2024091200



MODELO GEFS



## Tendência para as duas próximas semanas



MODELO GEFS

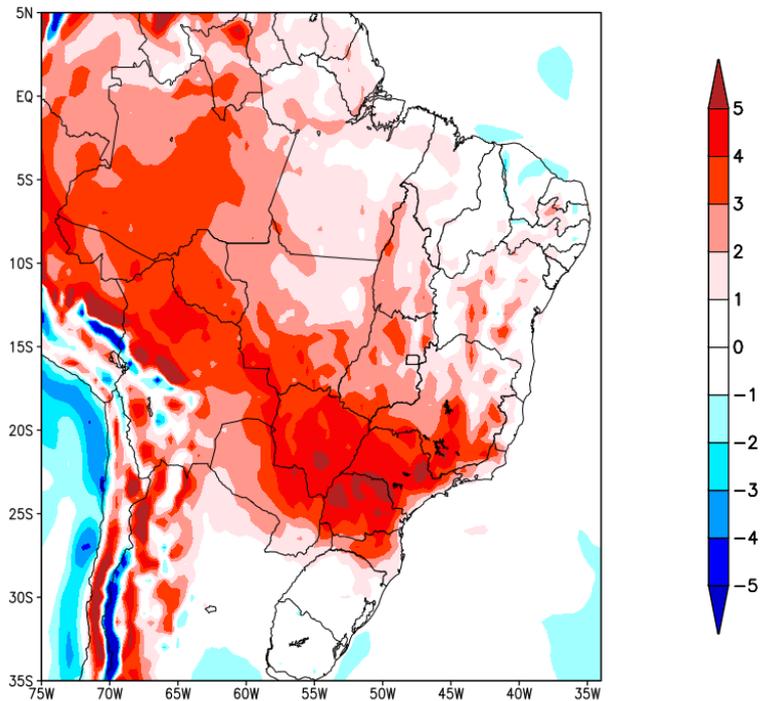


## Previsão de Temperatura

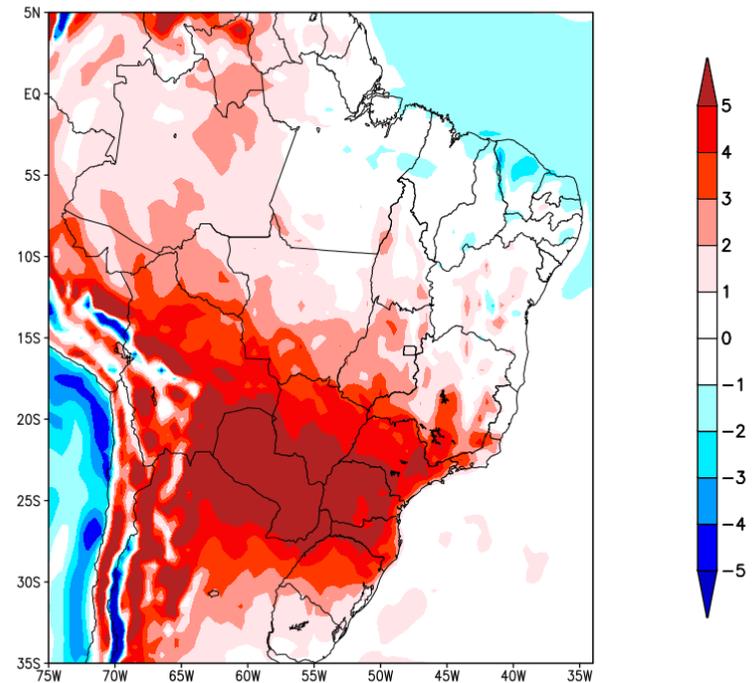
1ª Semana

2ª Semana

Anomalia de Temperatura BR (C)  
Período: 2024082900 a 2024090500



Anomalia de Temperatura BR (C)  
Período: 2024090600 a 2024091200

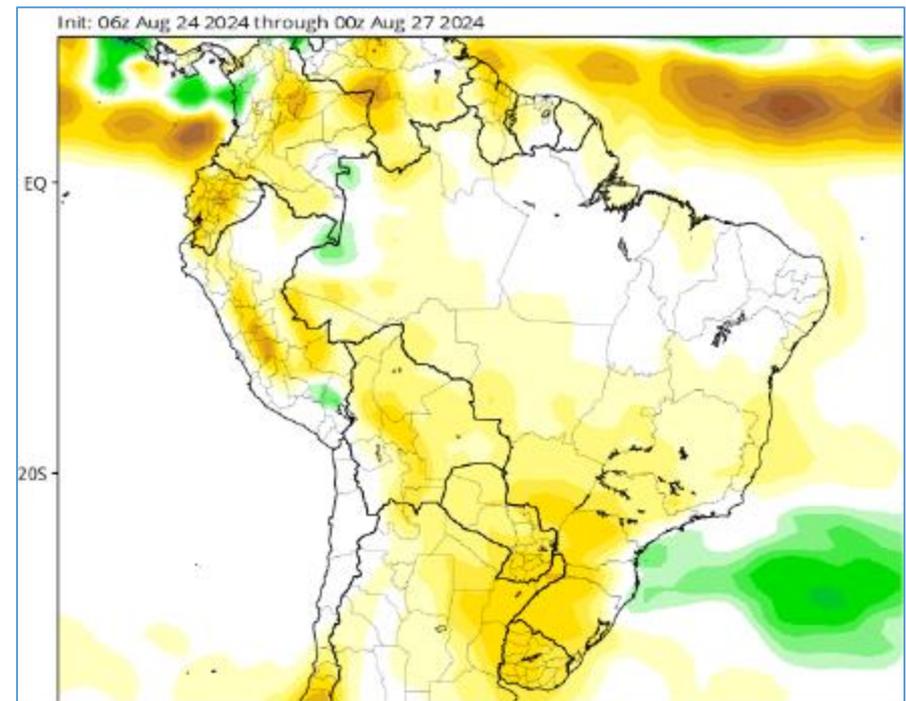
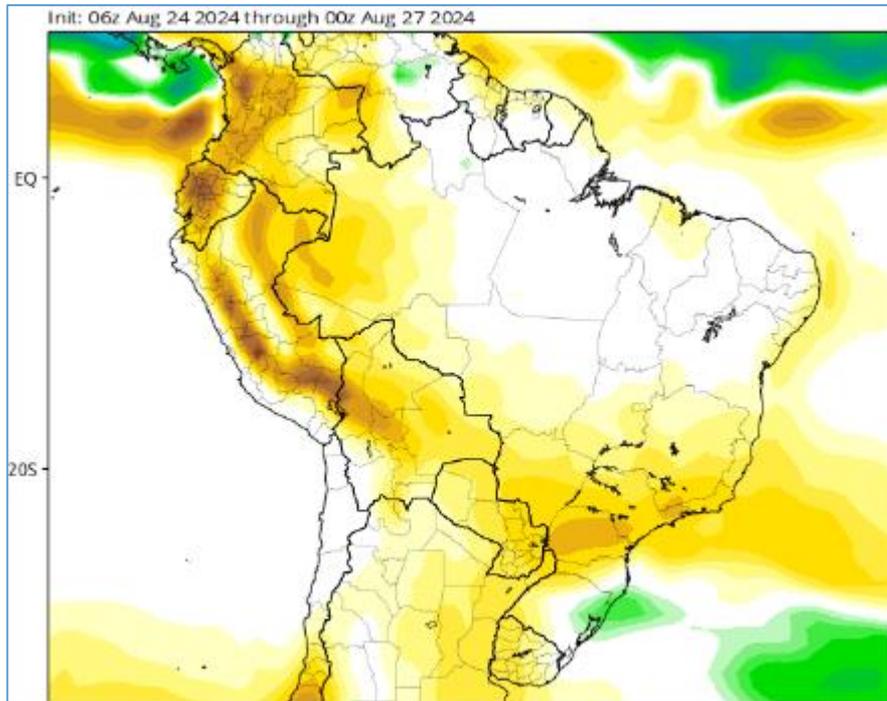




## Tendência 3a e 4a semanas

10-17 SETEMBRO

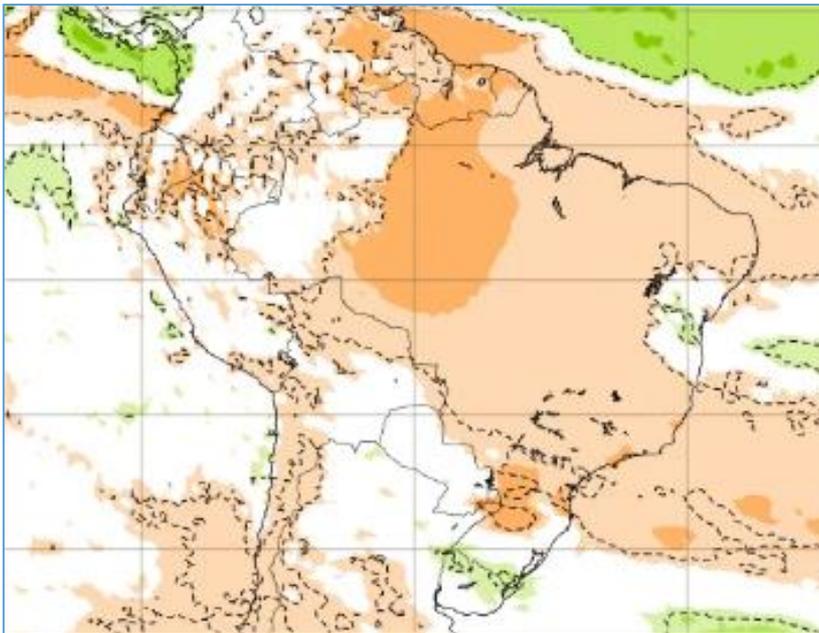
17-23 SETEMBRO



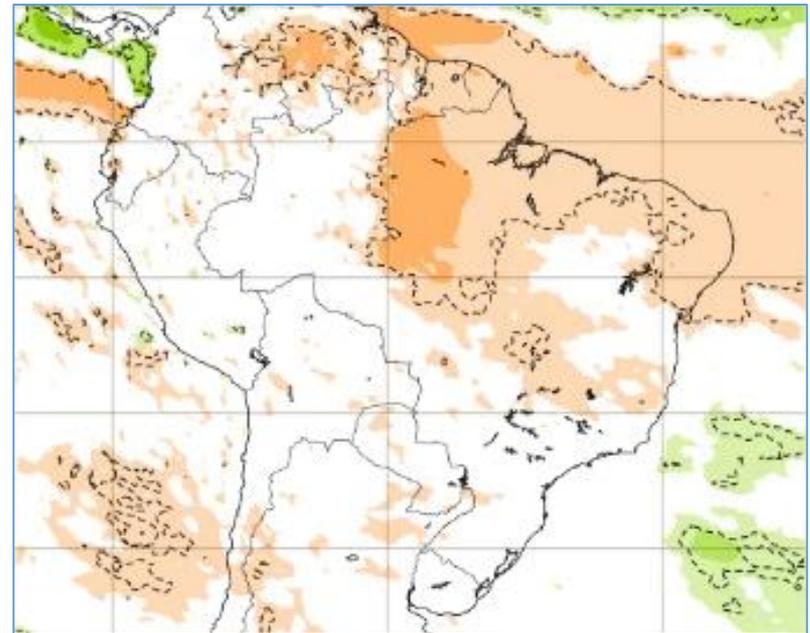


## Tendência para 3<sup>a</sup> e 4<sup>a</sup> semanas

09-15 SETEMBRO

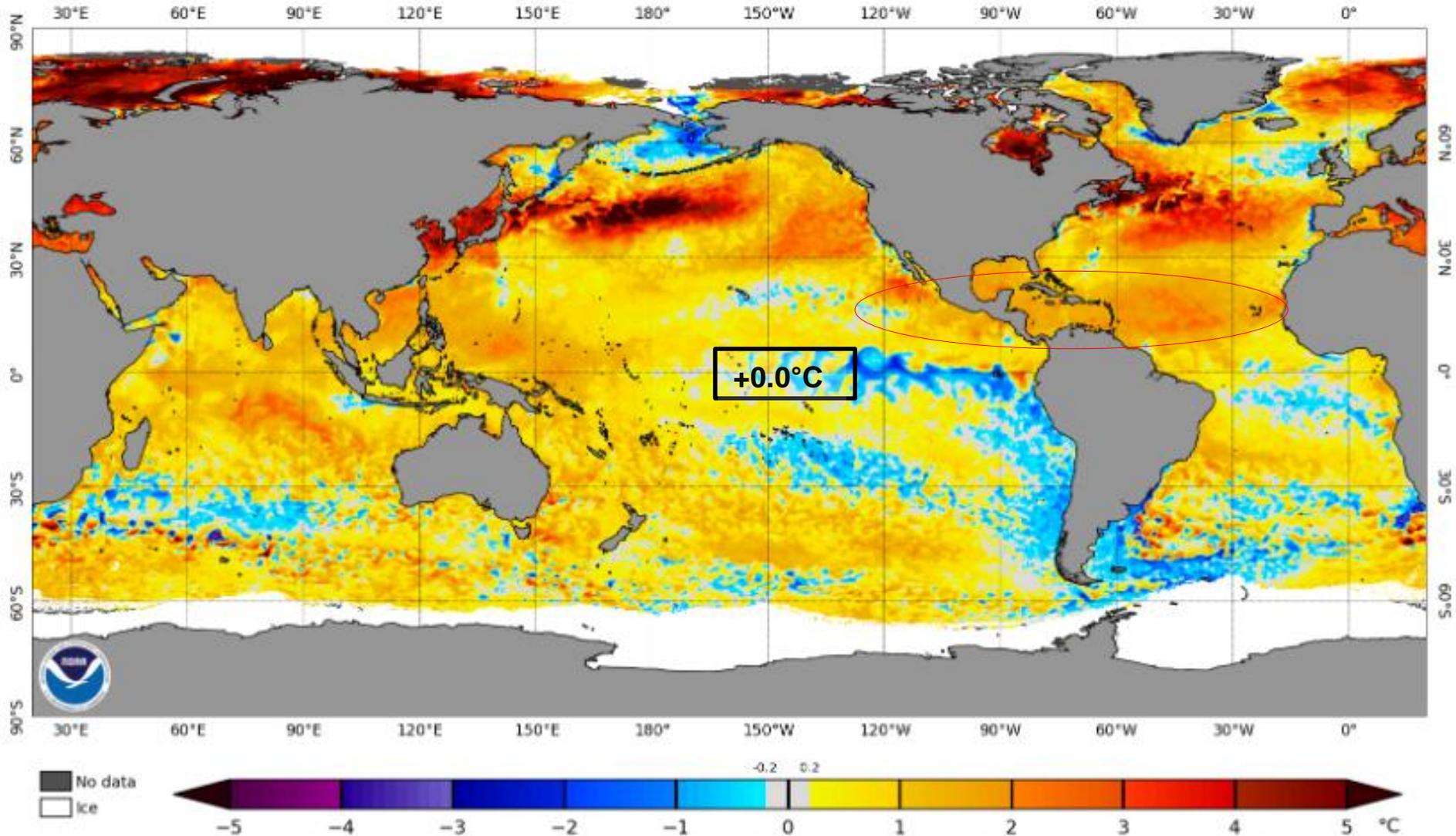


16-23 SETEMBRO



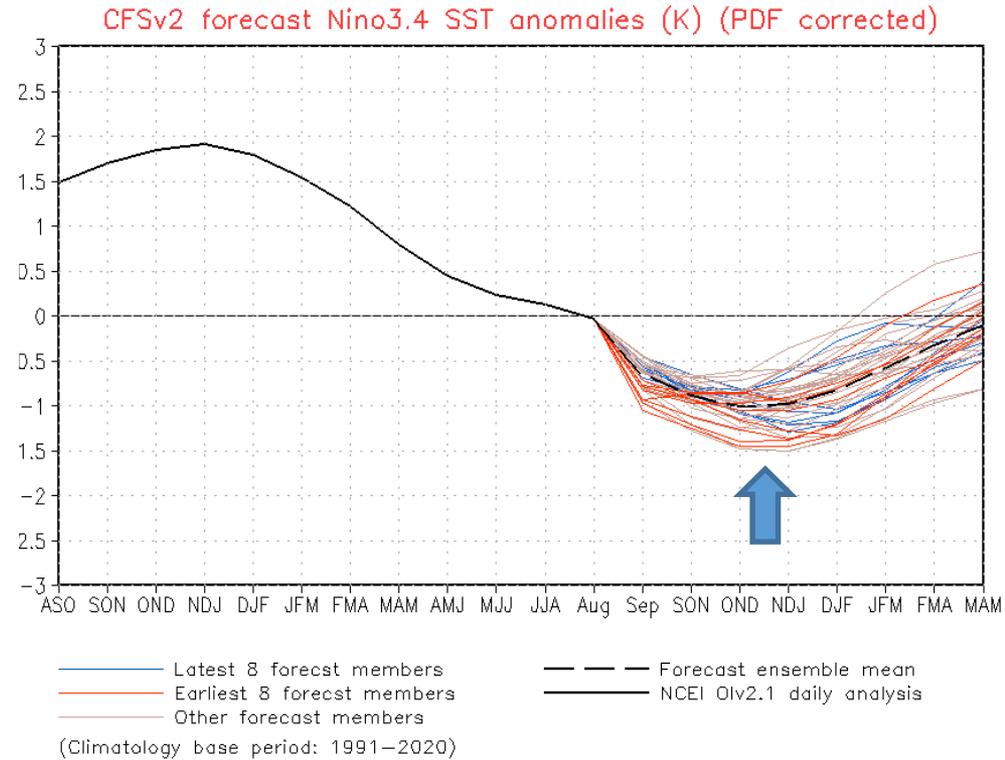
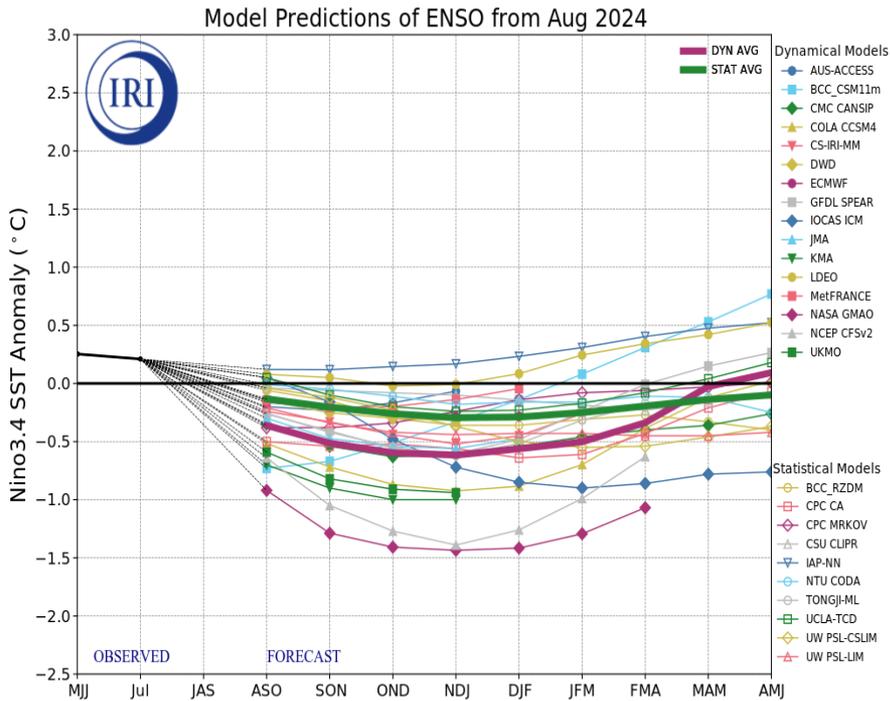
# Status Atual: **La Niña Watch**

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





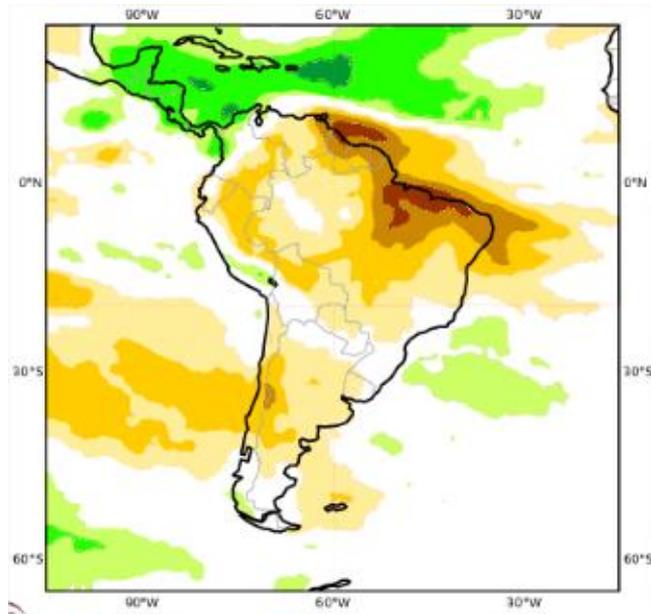
## Previsão do “ENSO”



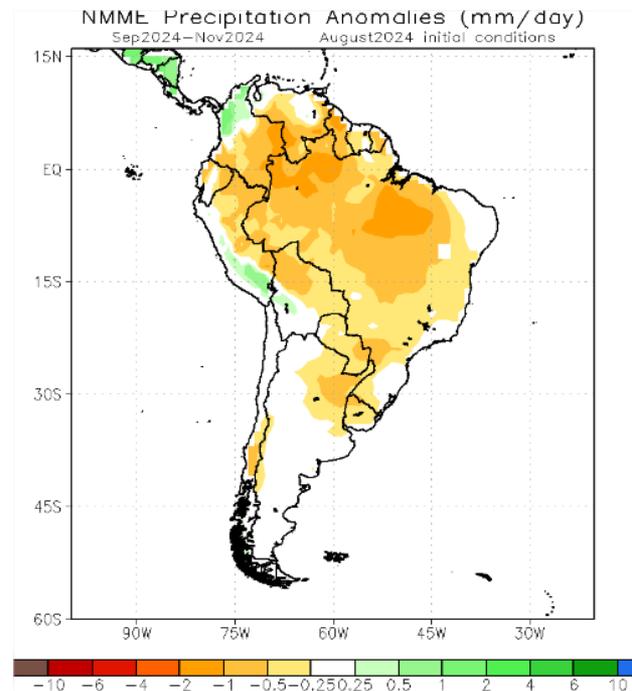
Atualizado 26 de Agosto



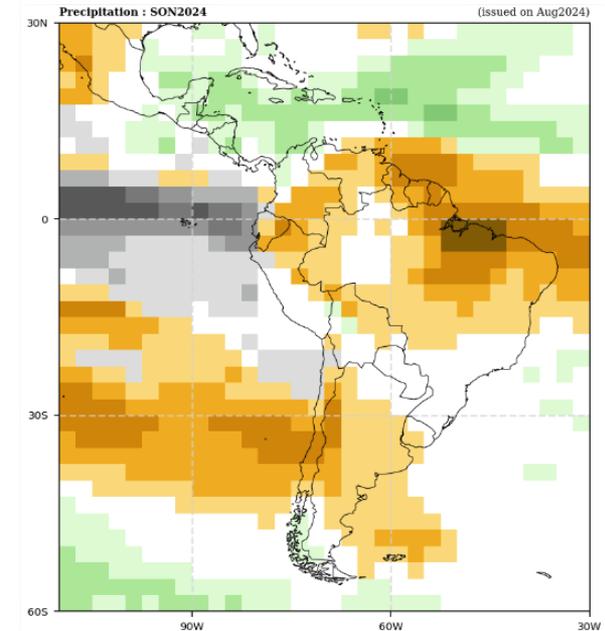
## Previsão Sazonal de Chuva Multi-Modelo para SON



Modelos Europeus



Modelos Americanos



Modelos da Organização Meteorológica Mundial