

2024



realização:
COCAPEC
O melhor café está aqui

15ª edição
SIMCAFÉ
SIMPÓSIO DO AGRONEGÓCIO
CAFÉ DA ALTA MOGIANA

Previsões Climáticas para safra 2024/25

O que esperar do El Niño e La Niña em 2024

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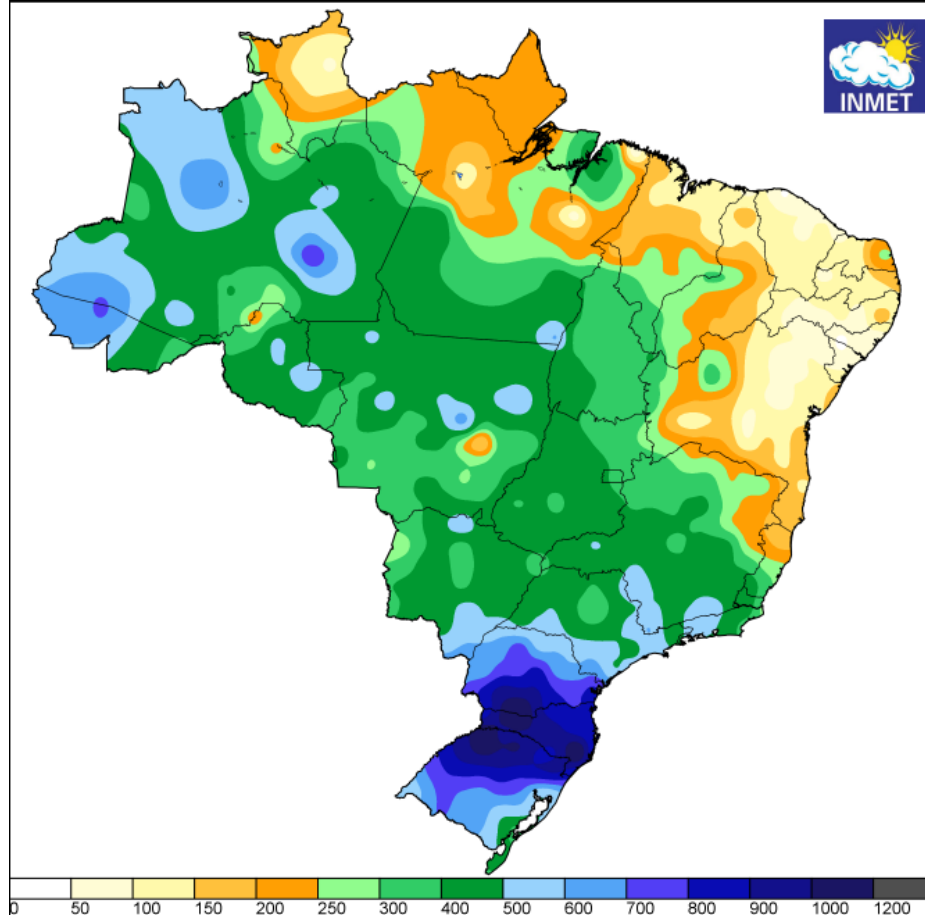
PONTOS A SER DISCUTIDOS

1. El Niño e Primavera/2023
2. El Niño e Verão/2024
3. Outono/Inverno2024
4. Safra 2024/25 – Brasil e Mundo

1. EL NIÑO E PRIMAVERA/2023

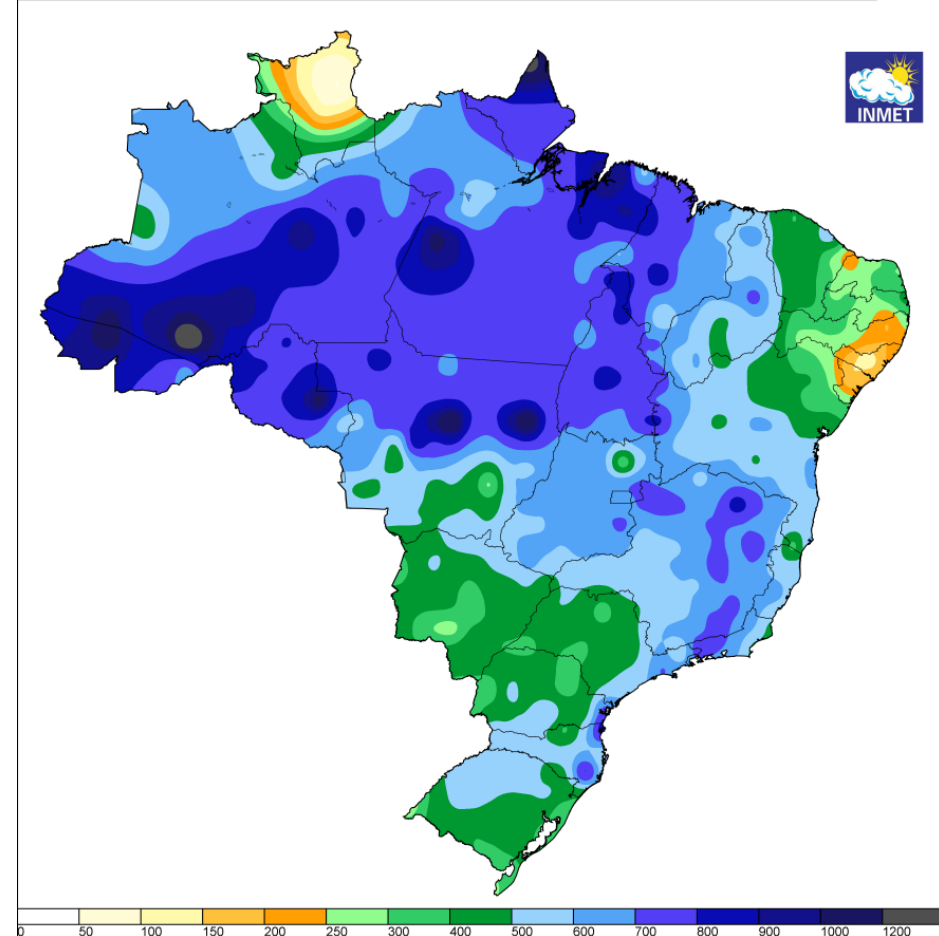
PRIMAVERA/2023

Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 90 dias
Mapa do dia 02/01/2024



VERÃO/2024

Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 90 dias
Mapa do dia 04/03/2024



1. EL NIÑO E PRIMAVERA/2023

CAUSAS DAS INTemperIES CLIMÁTICAS DE 2023

- 1. El Niño**
- 2. Forte aquecimento da região Niño 1+2**
- 3. Seca na Bacia Amazônia**
- 4. Atlântico Sul com anomalia negativa**
- 5. Aquecimento anormal do Pacífico Norte**

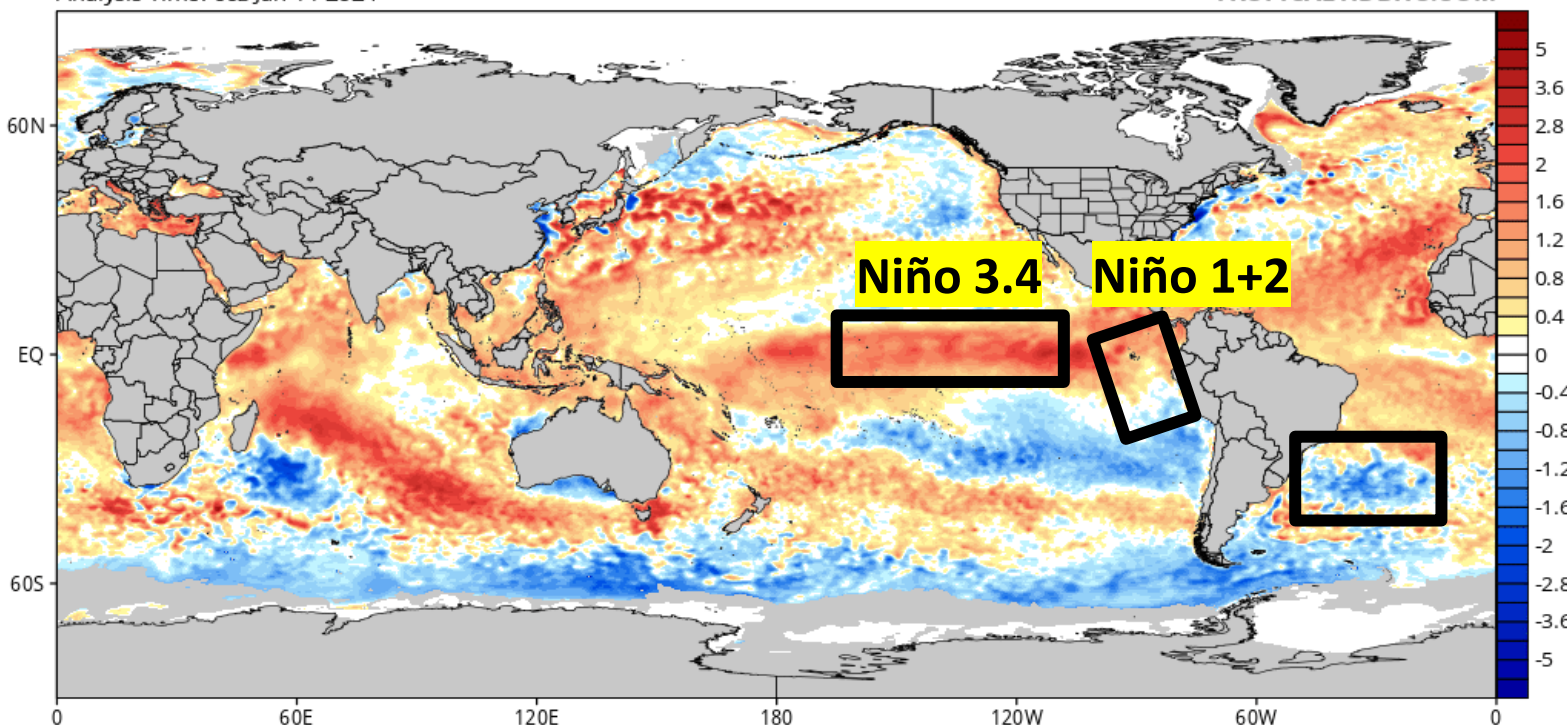
1. EL NIÑO E PRIMAVERA/2023

1. El Niño

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 00z Jan 11 2024

TROPICALTIDBITS.COM



➤ Niño 1+2:

- Chegou a +3,5°C de anomalia
- Temperatura extremamente alta
- Seca na Bacia Amazônica

➤ Niño 3.4:

- Atingiu o pico entre Dezembro/23 e Janeiro/24
- Anomalia próxima de +2°C
- Intensidade: Forte

➤ Atlantico Sul

- Frio – impossibilitava o avanço das frentes frias

2. EL NIÑO

Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
2010	1.5	1.2	0.8	0.4	-0.2	-0.7	-1.0	-1.3	-1.6	-1.6	-1.6	-1.6
2011	-1.4	-1.2	-0.9	-0.7	-0.6	-0.4	-0.5	-0.6	-0.8	-1.0	-1.1	-1.0
2012	-0.9	-0.7	-0.6	-0.5	-0.3	0.0	0.2	0.4	0.4	0.3	0.1	-0.2
2013	-0.4	-0.4	-0.3	-0.3	-0.4	-0.4	-0.4	-0.3	-0.3	-0.2	-0.2	-0.3
2014	-0.4	-0.5	-0.3	0.0	0.2	0.2	0.0	0.1	0.2	0.5	0.6	0.7
2015	0.5	0.5	0.5	0.7	0.9	1.2	1.5	1.9	2.2	2.4	2.6	2.6
2016	2.5	2.1	1.6	0.9	0.4	-0.1	-0.4	-0.5	-0.6	-0.7	-0.7	-0.6
2017	-0.3	-0.2	0.1	0.2	0.3	0.3	0.1	-0.1	-0.4	-0.7	-0.8	-1.0
2018	-0.9	-0.9	-0.7	-0.5	-0.2	0.0	0.1	0.2	0.5	0.8	0.9	0.8
2019	0.7	0.7	0.7	0.7	0.5	0.5	0.3	0.1	0.2	0.3	0.5	0.5
Year	DJF	JFM	FMA	MAM	AMJ	MJJ	JJA	JAS	ASO	SON	OND	NDJ
2020	0.5	0.5	0.4	0.2	-0.1	-0.3	-0.4	-0.6	-0.9	-1.2	-1.3	-1.2
2021	-1.0	-0.9	-0.8	-0.7	-0.5	-0.4	-0.4	-0.5	-0.7	-0.8	-1.0	-1.0
2022	-1.0	-0.9	-1.0	-1.1	-1.0	-0.9	-0.8	-0.9	-1.0	-1.0	-0.9	-0.8
2023	-0.7	-0.4	-0.1	0.2	0.5	0.8	1.1	1.3	1.6	1.8	1.9	2.0
2024	1.8											

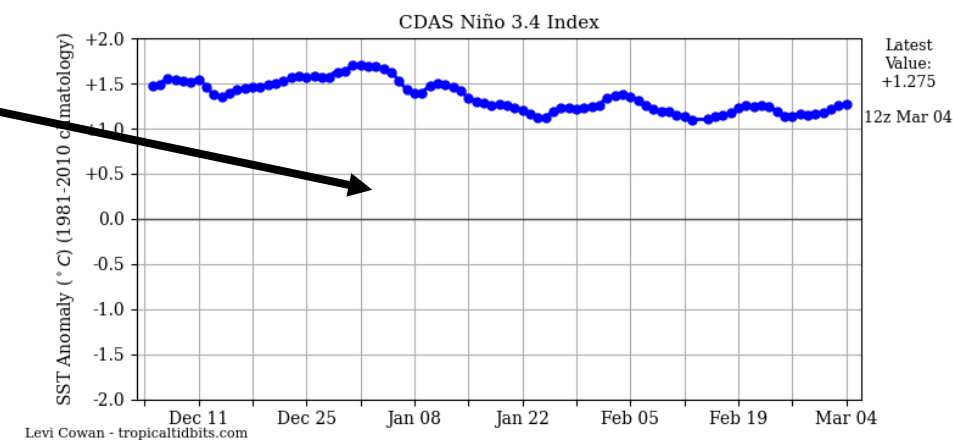
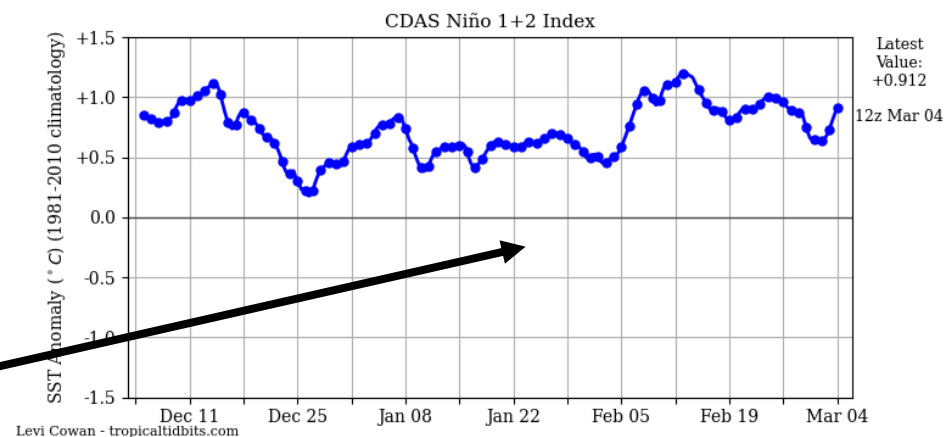
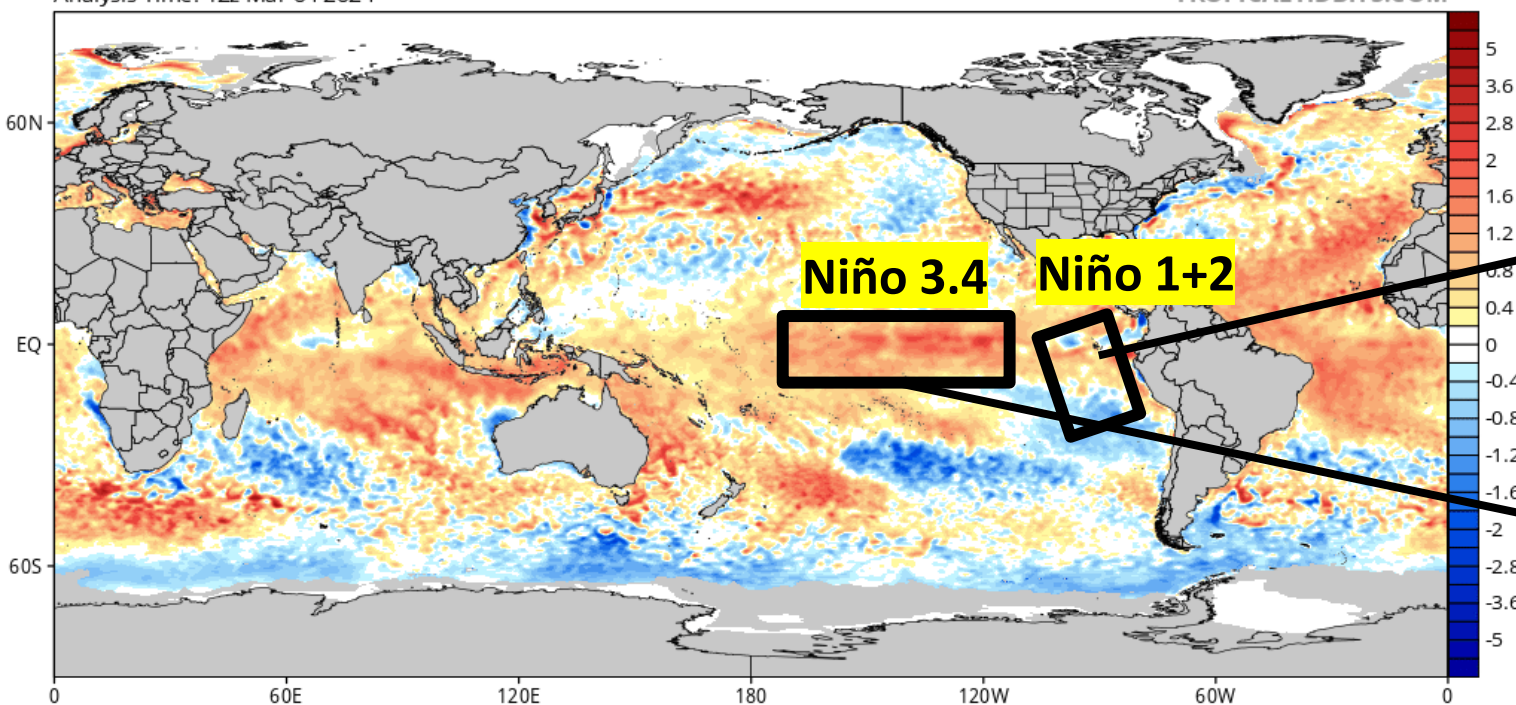
- Ainda continua ativo e influenciando o clima em todo o Planeta
- Porém, já em processo de enfraquecimento

2. EL NIÑO

CDAS Sea Surface Temperature Anomaly (°C) (based on CFSR 1981-2010 Climatology)

Analysis Time: 12z Mar 04 2024

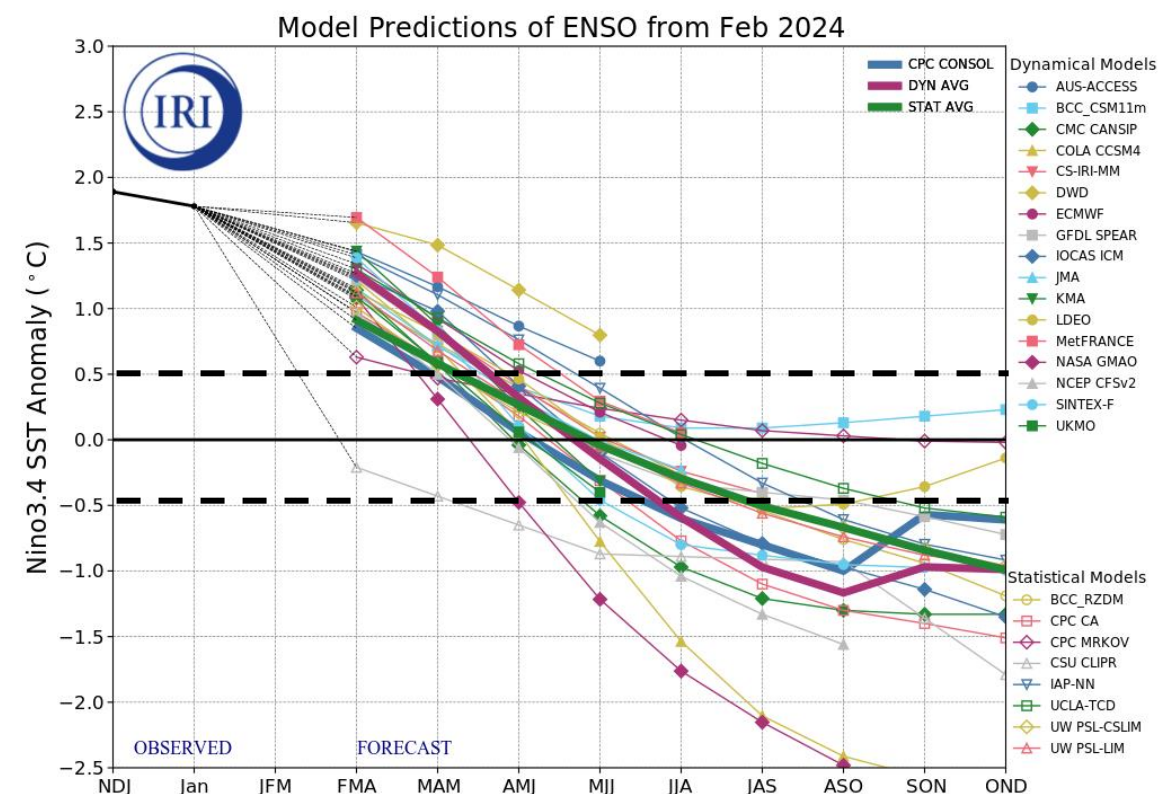
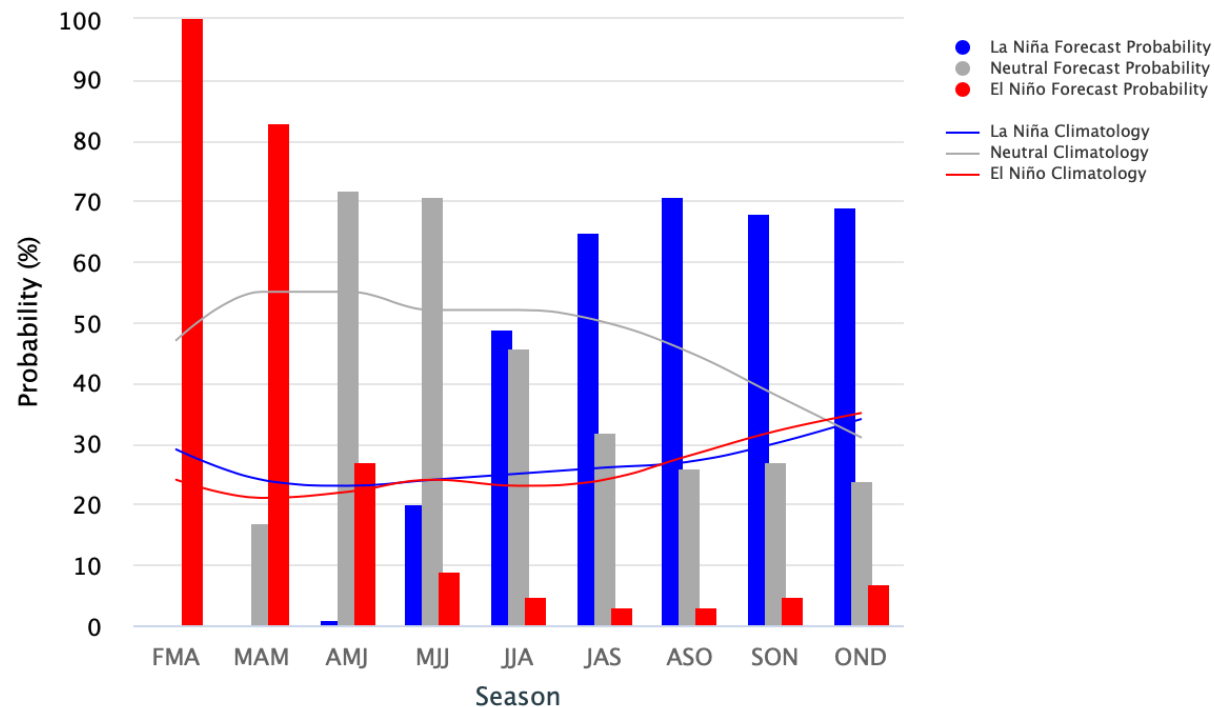
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2. EL NIÑO

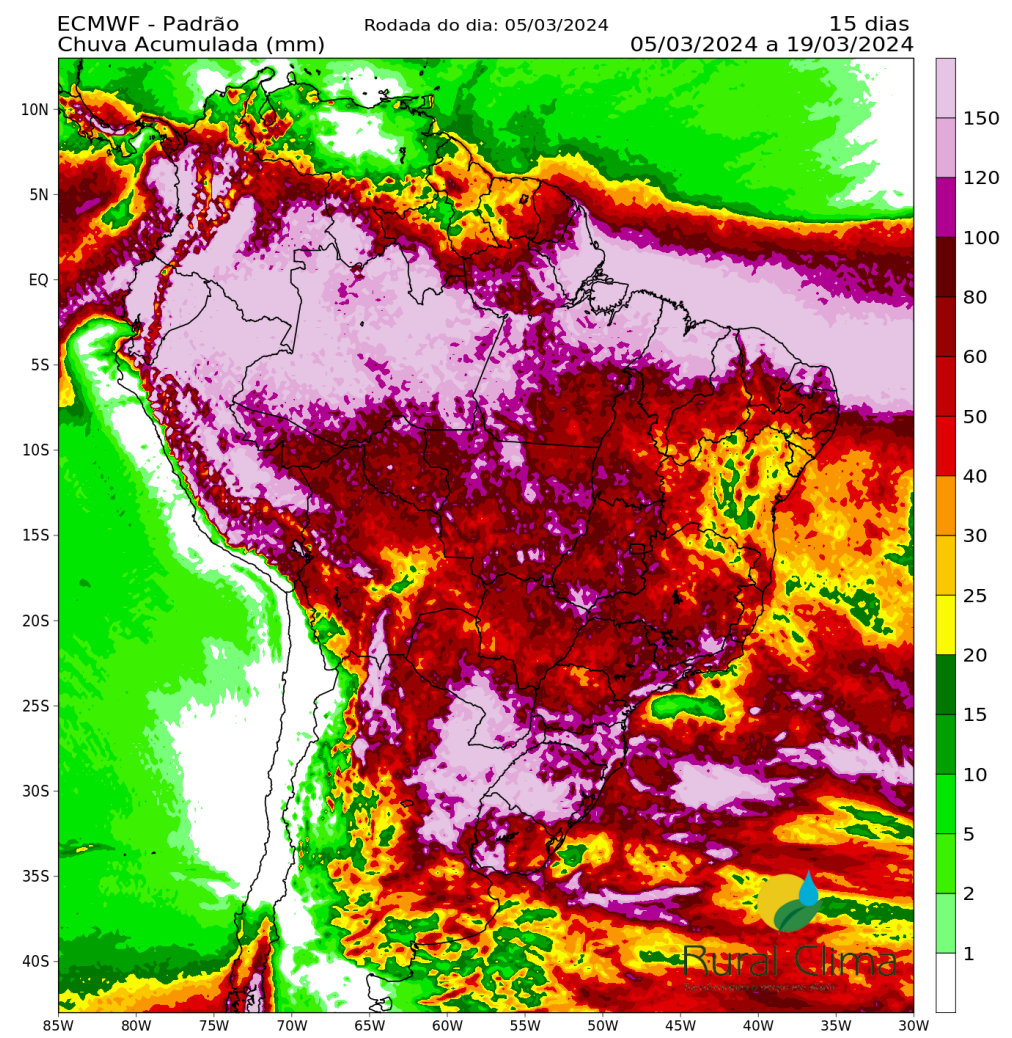
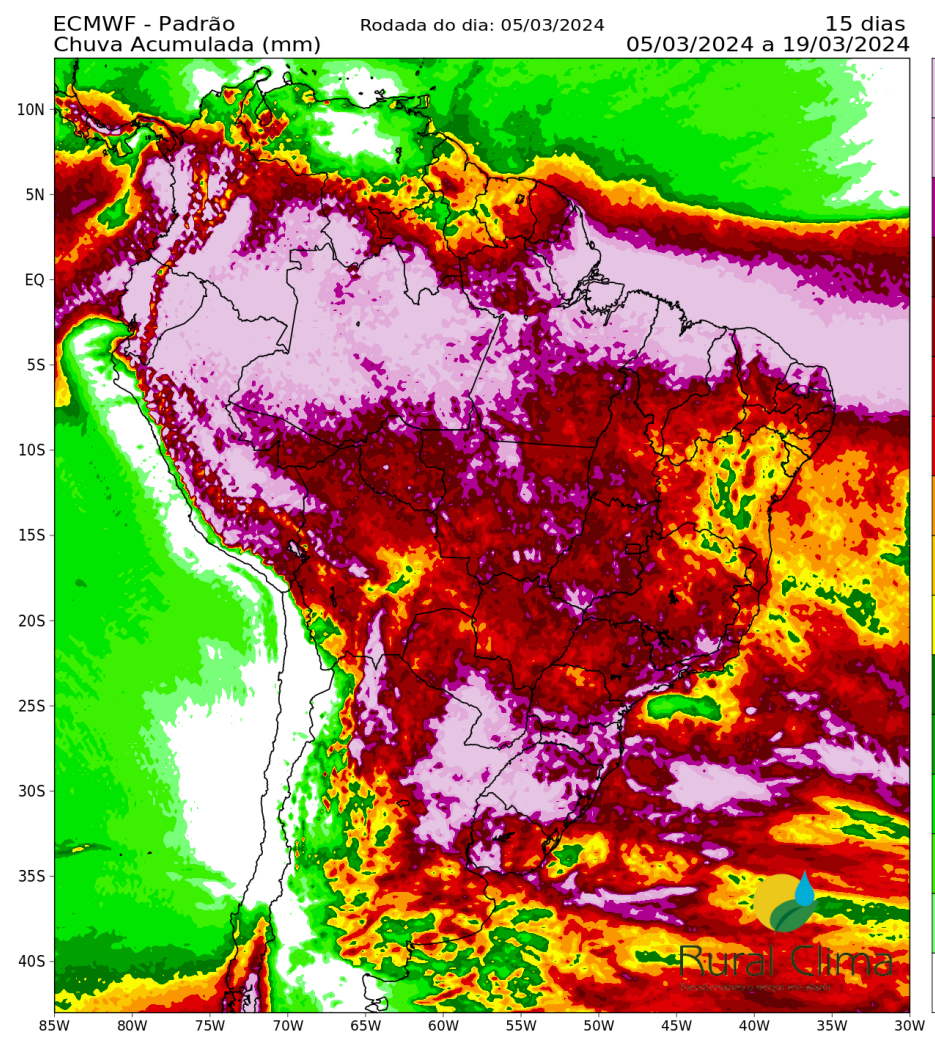
Mid-February 2024 IRI Model-Based Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly Neutral ENSO: -0.5°C to 0.5°C



- ✓ As chances da La Niña se formar são grandes
- ✓ Porém, para o 2º semestre de 2024
- ✓ Intensidade: Fraca a moderada

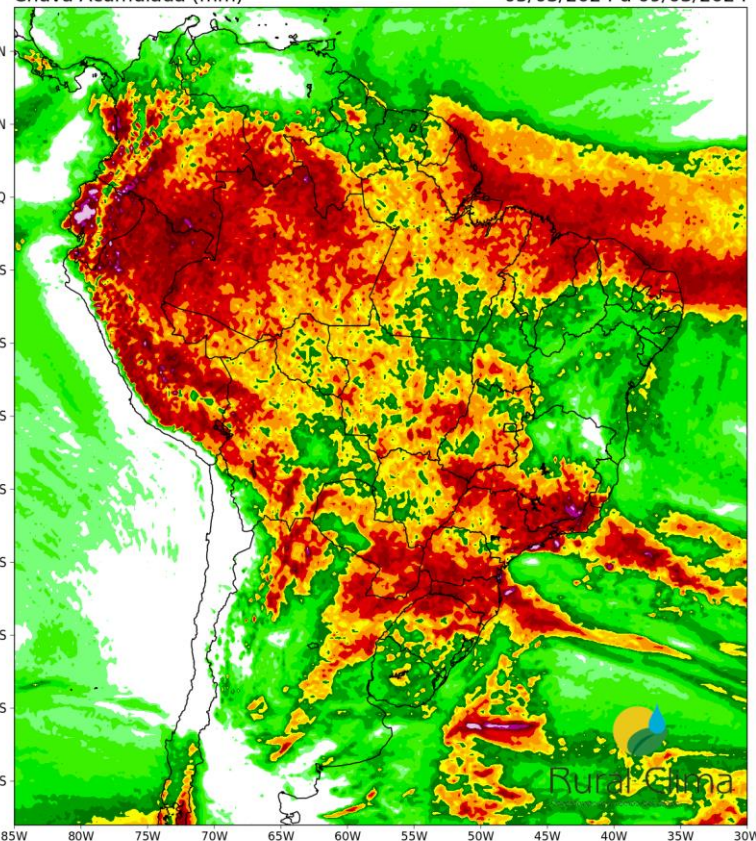
3. PREVISÃO DE CHUVAS – PROXIMOS 15 DIAS



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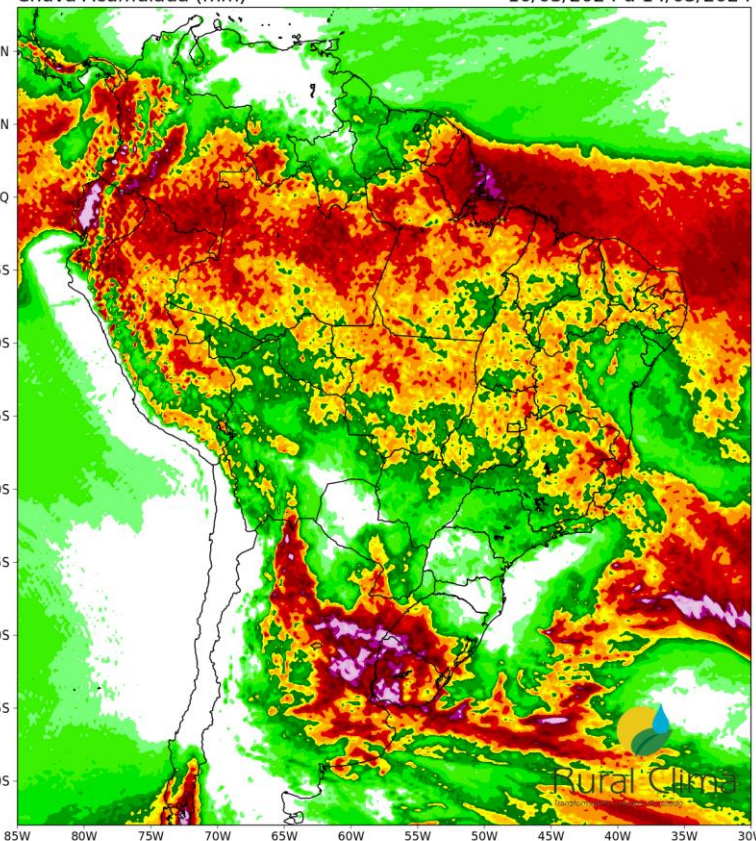
05/03 A 09/03/2024

ECMWF - Padrão
Chuva Acumulada (mm) Rodada do dia: 05/03/2024 Pêntada
05/03/2024 a 09/03/2024



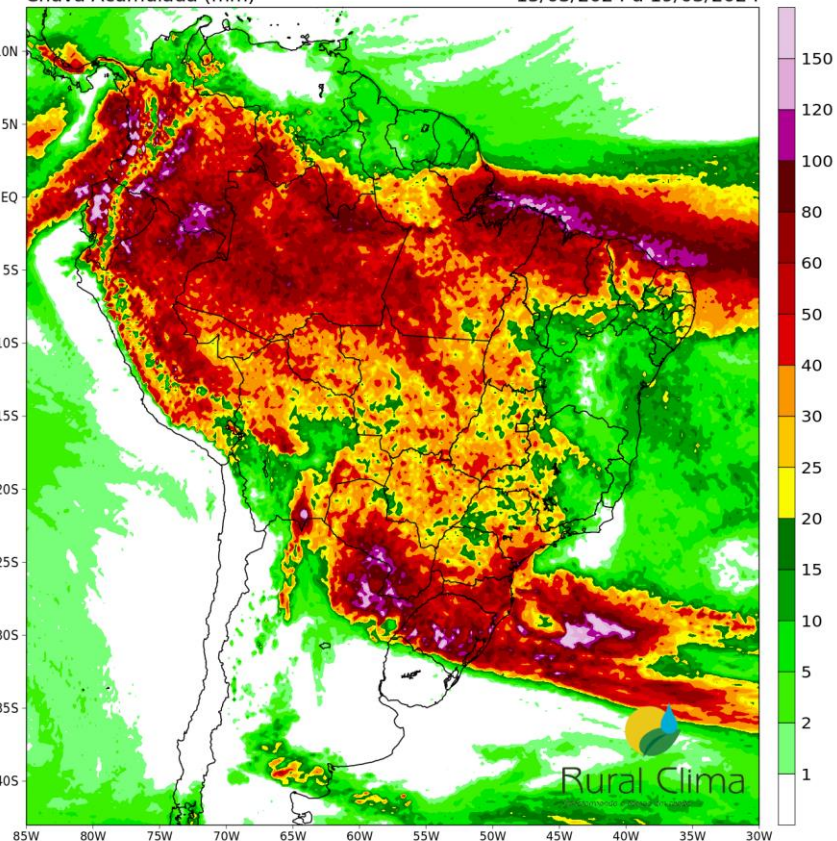
10/03 A 14/03/2024

ECMWF - Padrão
Chuva Acumulada (mm) Rodada do dia: 05/03/2024 Pêntada
10/03/2024 a 14/03/2024



15/03 A 19/03/2024

ECMWF - Padrão
Chuva Acumulada (mm) Rodada do dia: 05/03/2024 Pêntada
15/03/2024 a 19/03/2024

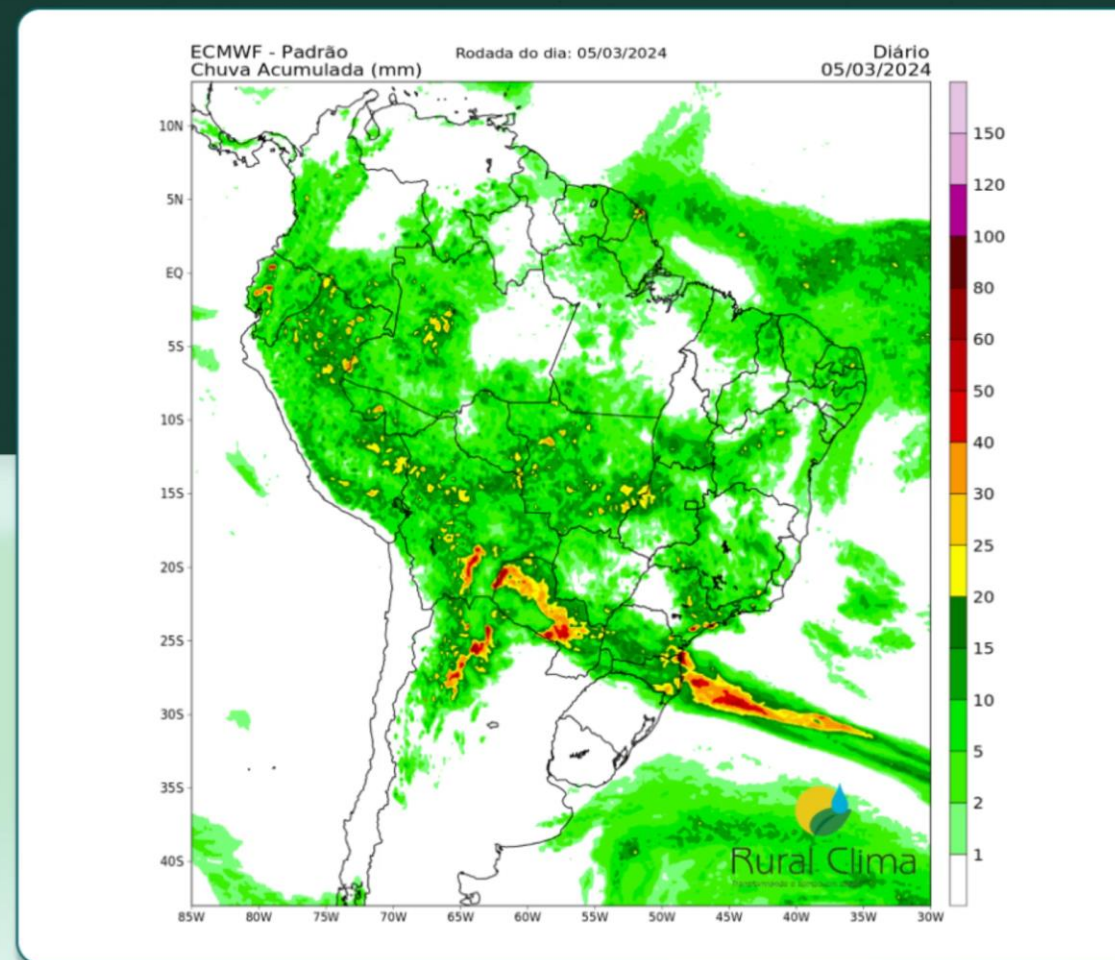


3. PREVISÃO DE CHUVAS – PROXIMOS 15 DIAS

Rural Clima

MAPAS
CHUVA ACUMULADA

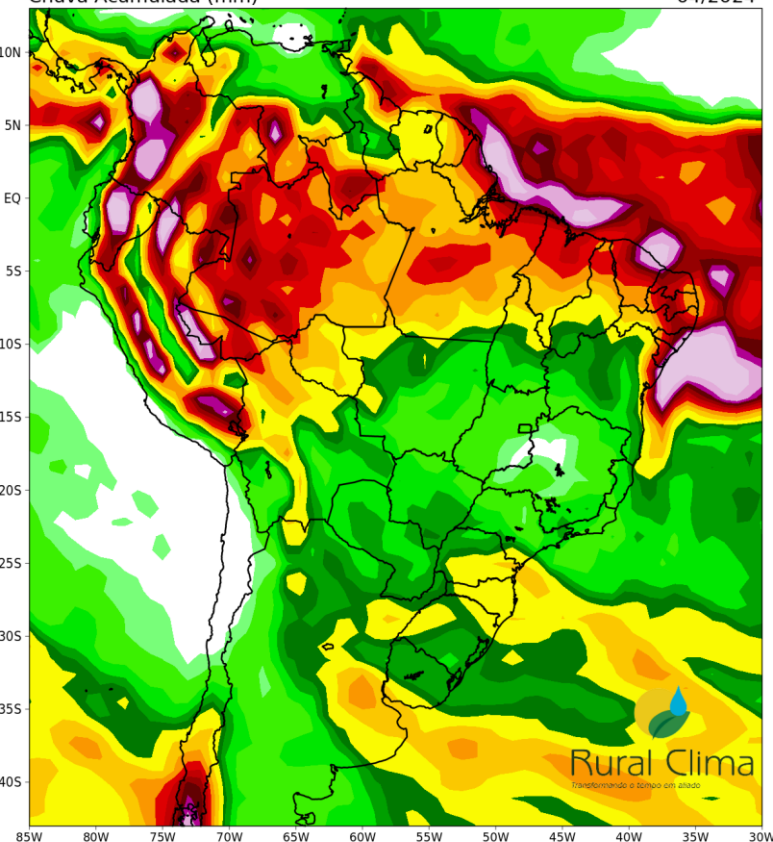
PERÍODO
05 a 19/03



4. PREVISÃO DE CHUVAS – PROXIMOS MESES

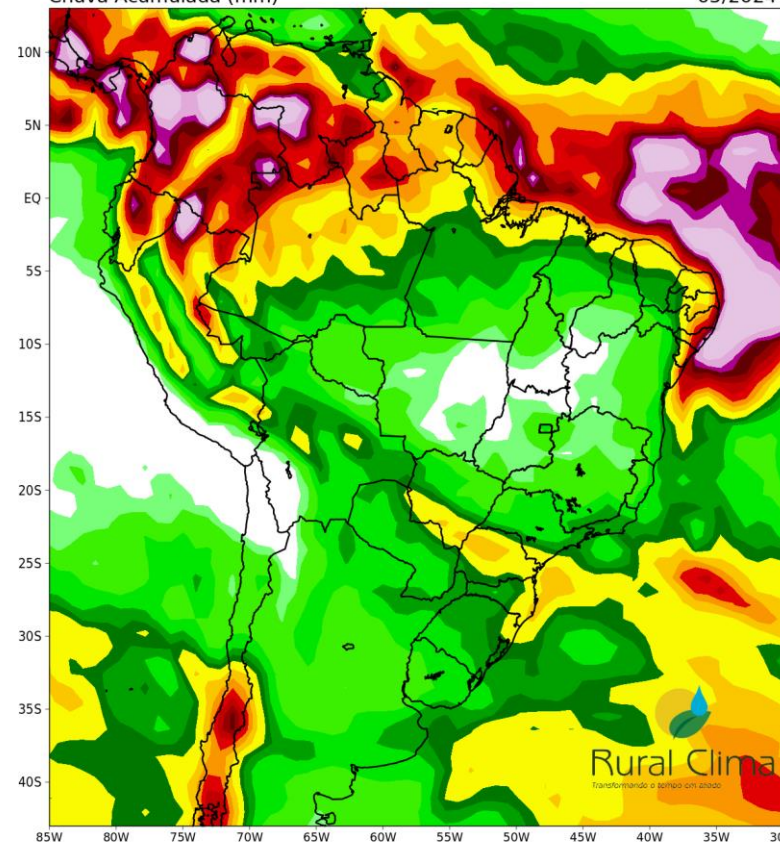
ABRIL/2024

CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 04/2024



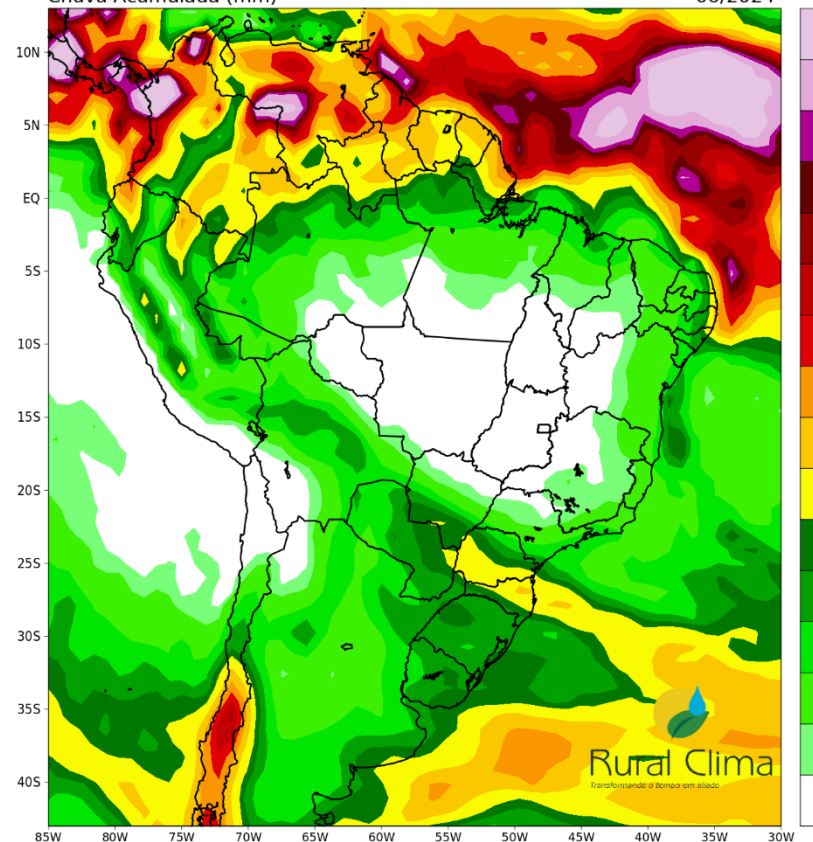
MAIO/2024

CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 05/2024



JUNHO/2024

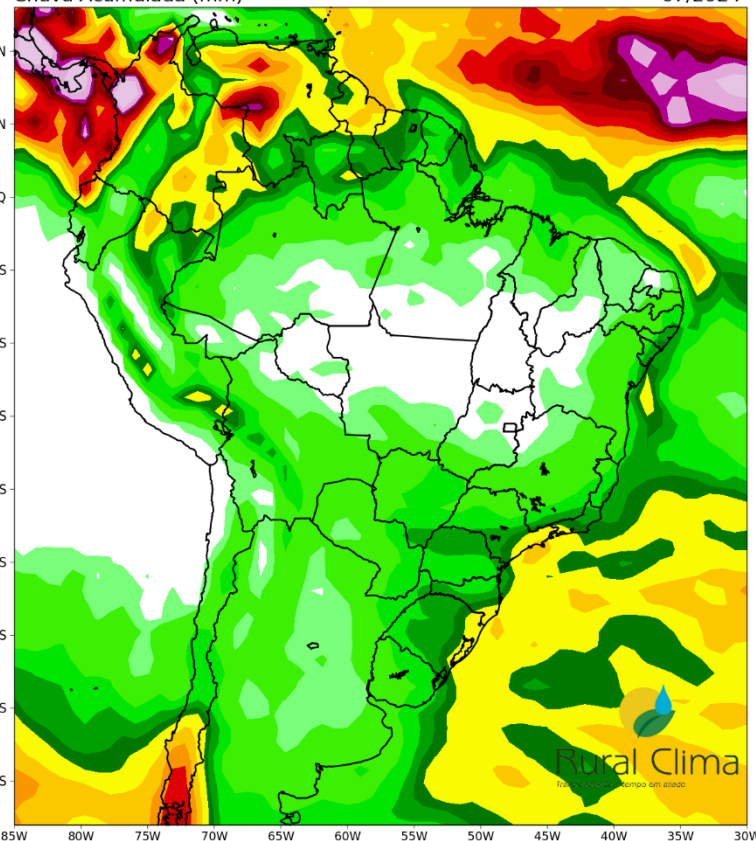
CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 06/2024



4. PREVISÃO DE CHUVAS – PROXIMOS MESES

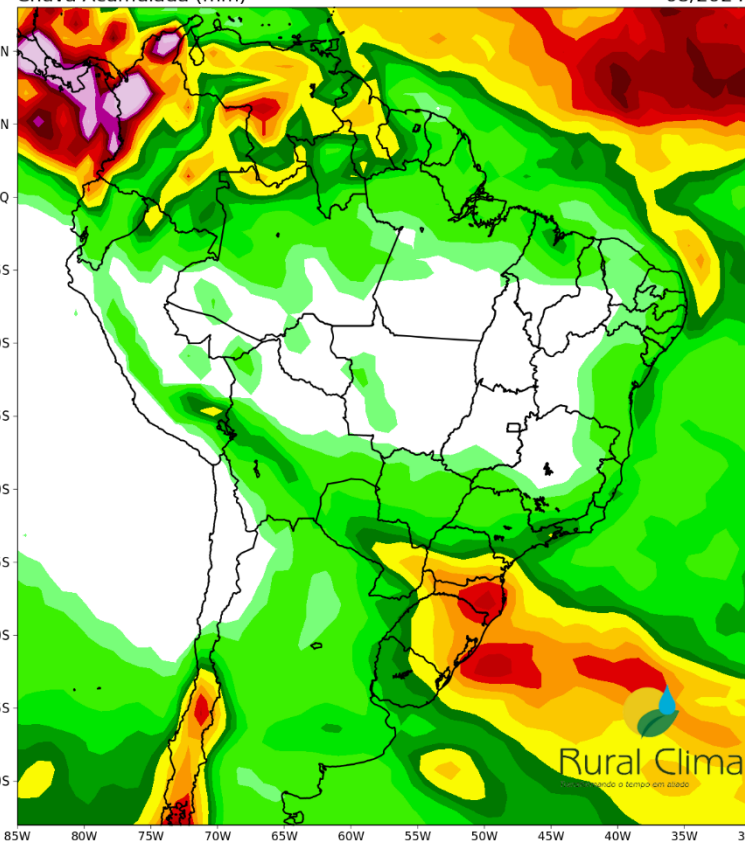
JULHO/2024

CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 07/2024



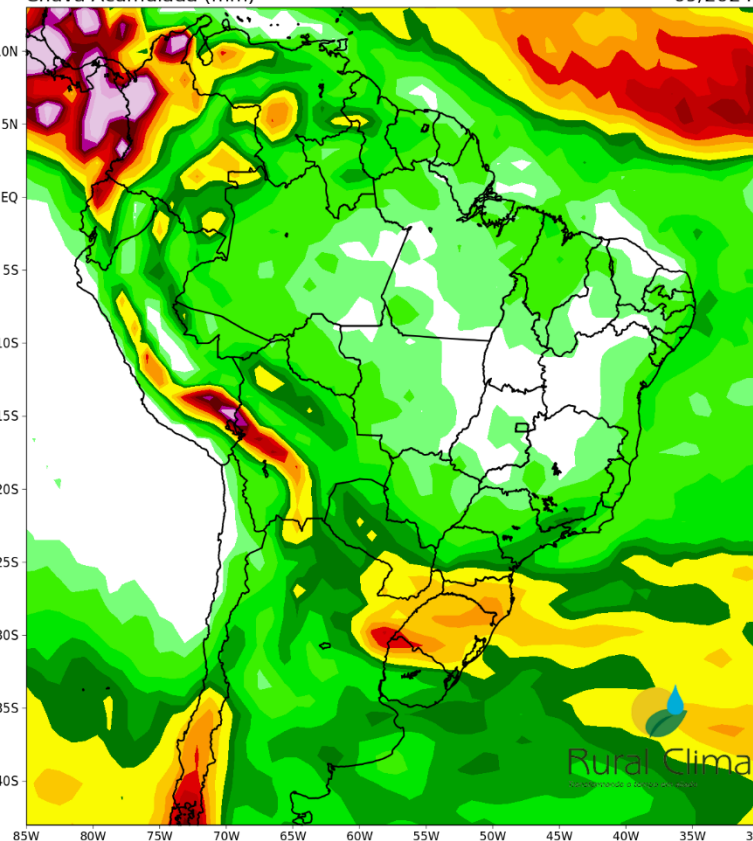
AGOSTO/2024

CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 08/2024

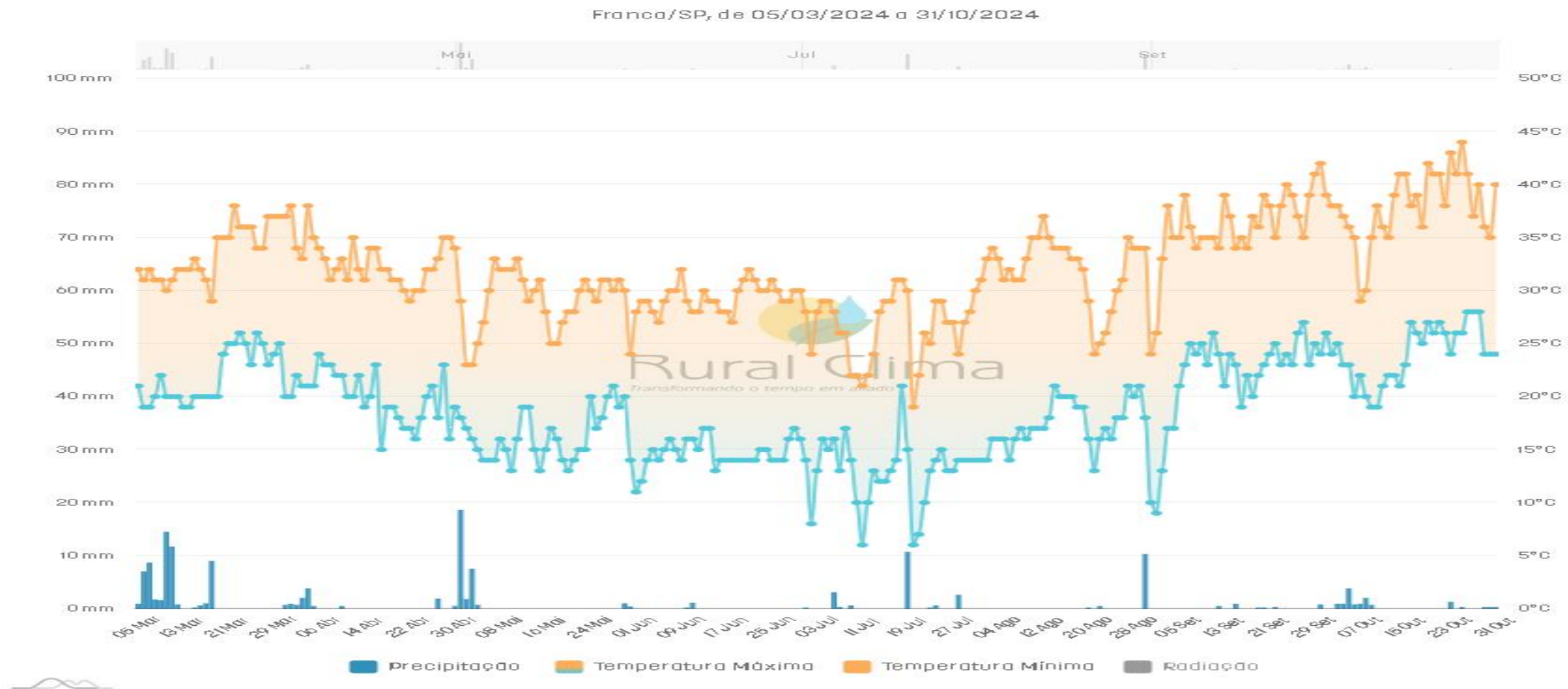


SETEMBRO/2024

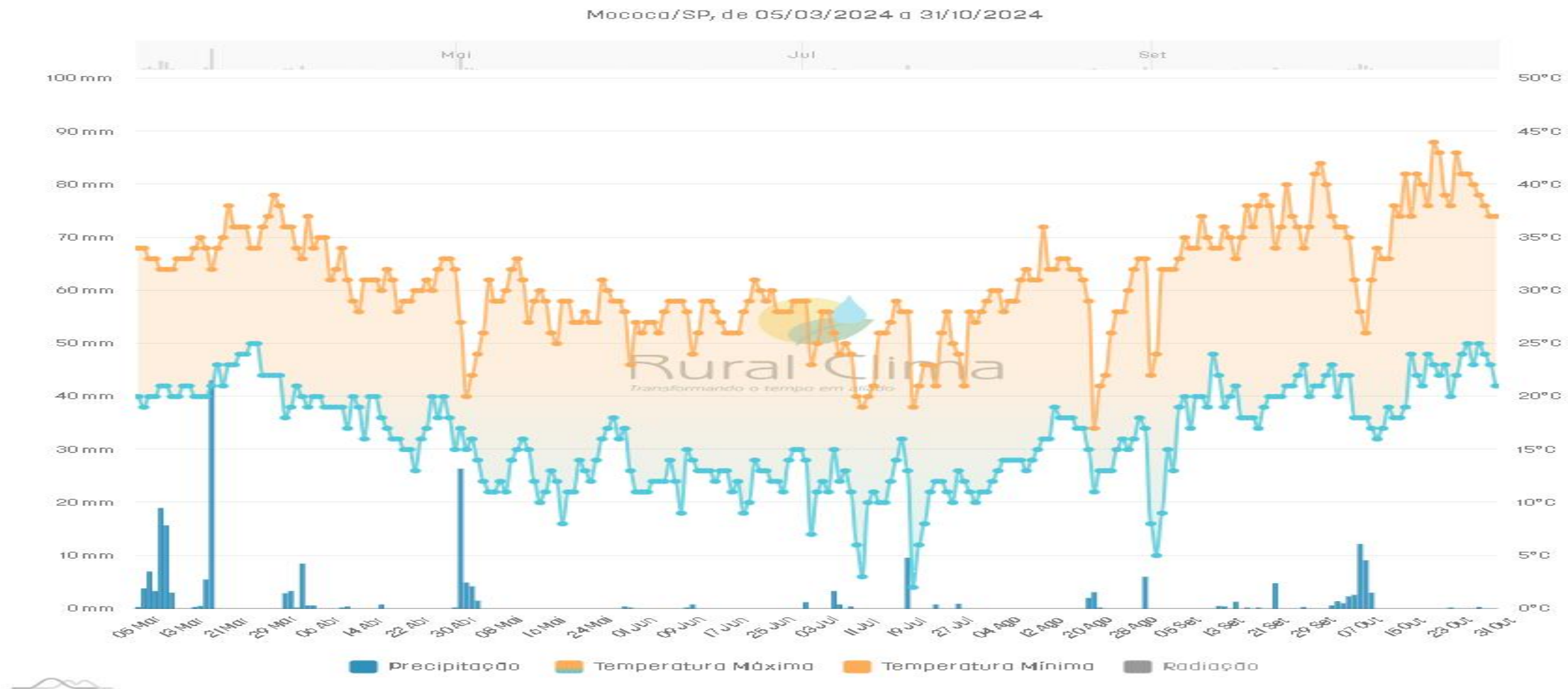
CFSv2 Chuva Acumulada (mm) Rodada do dia: 03/03/2024 Mensal 09/2024



5. Previsões Climáticas – Franca, SP

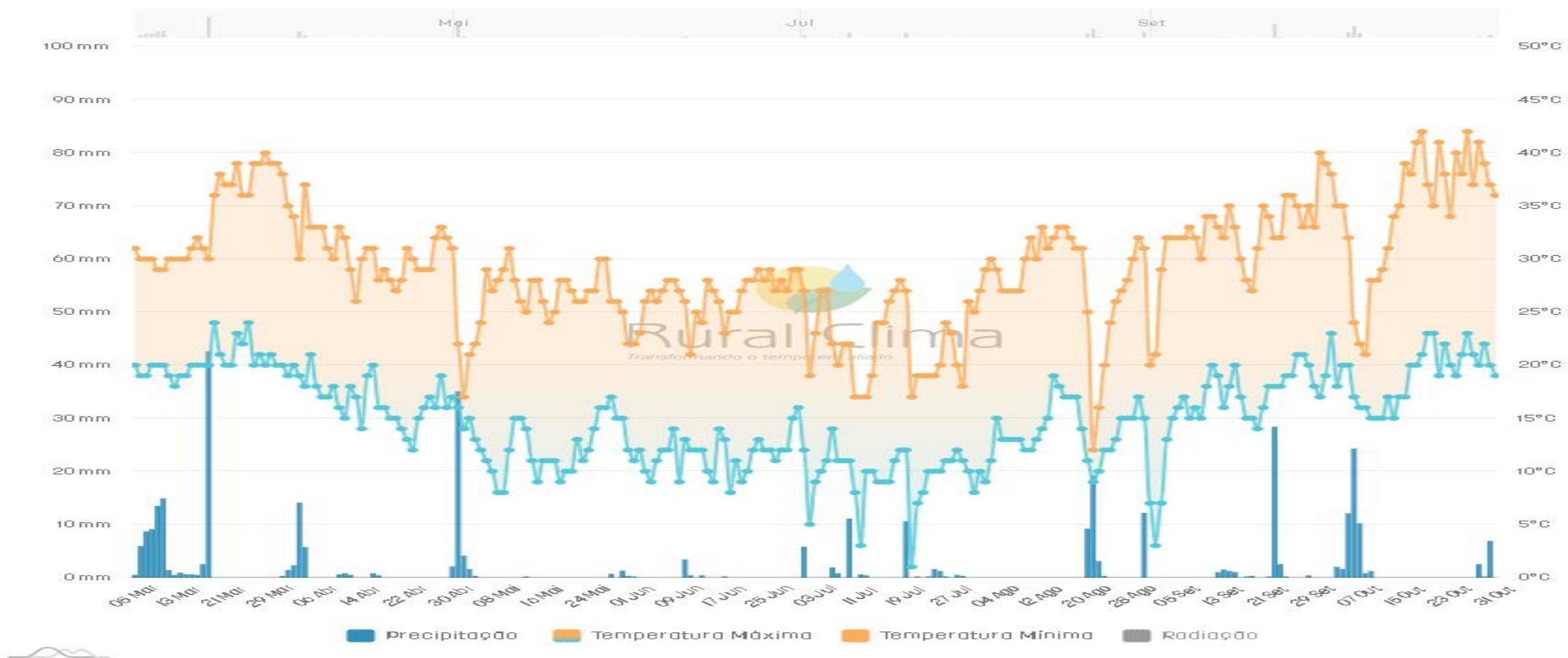


5. Previsões Climáticas – Mococa, SP



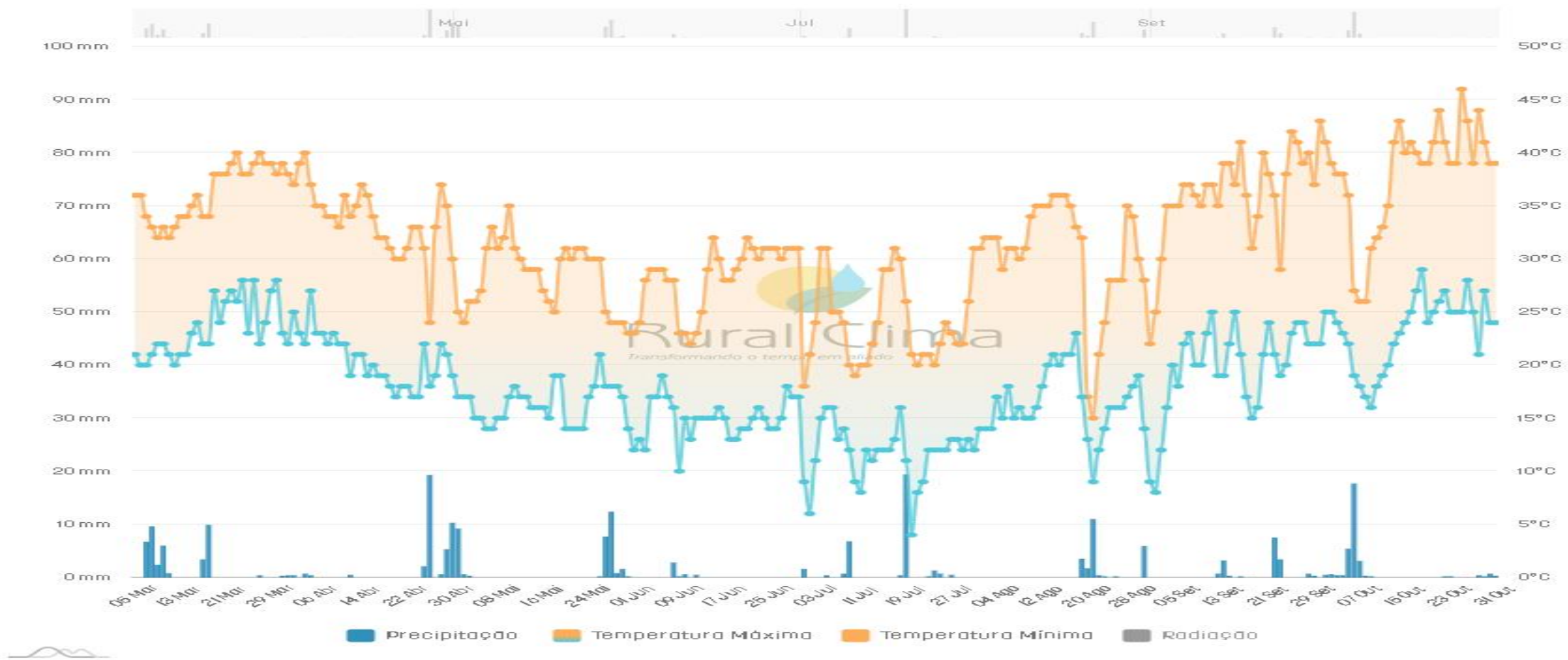
5. Previsões Climáticas – E.S. Pinhal, SP

Espirito Santo Do Pinhal/SP, de 05/03/2024 a 31/10/2024

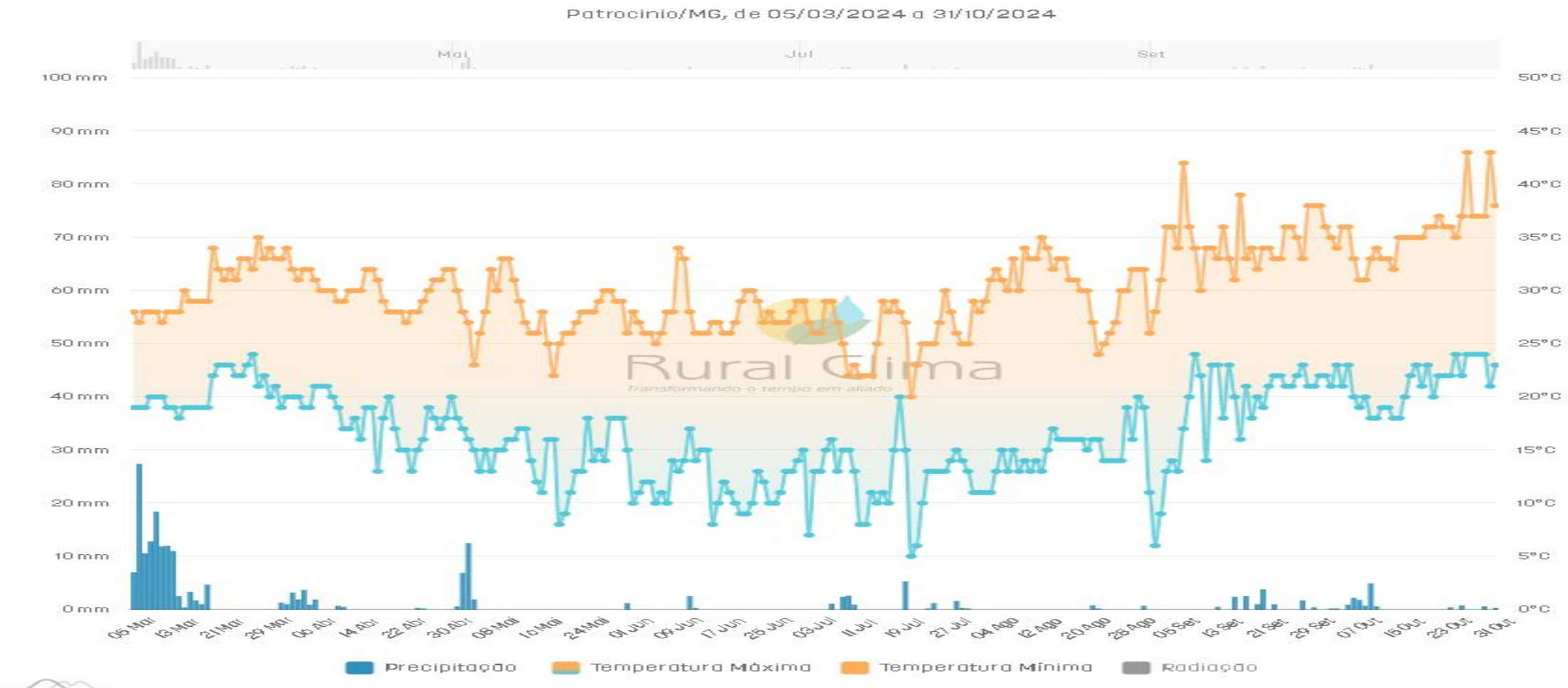


5. Previsões Climáticas – Galia, SP

Galia/SP, de 05/03/2024 a 31/10/2024



5. Previsões Climáticas – Patrocínio, MG



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