

4ª Reunião da Sala de Crise da Região SUL 2024: CHUVAS, El Niño/transição la Niña e Prognóstico Climático

Marcelo Schneider

Meteorologista do INMET



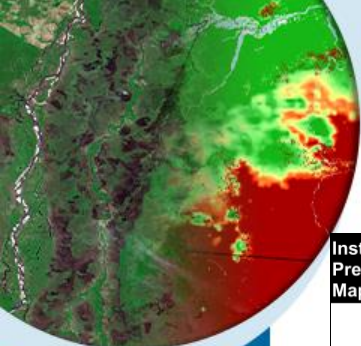
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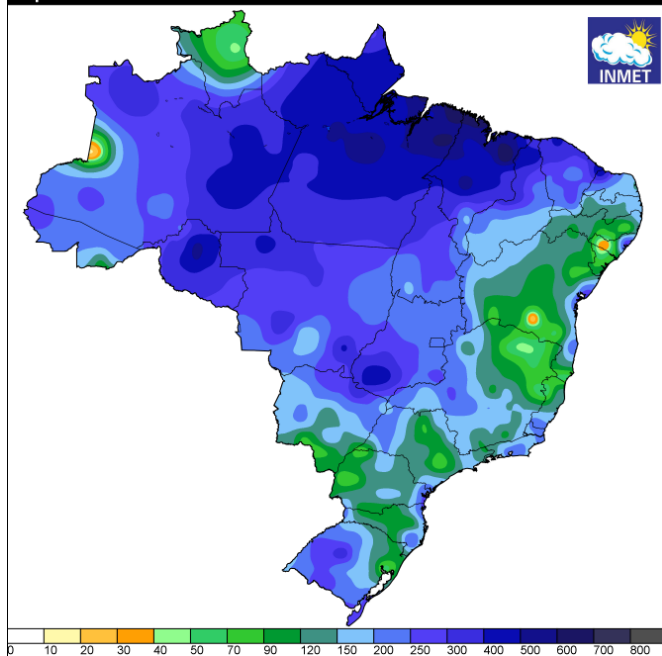
GOVERNO FEDERAL
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Porto Alegre, 17 de ABRIL de 2024.

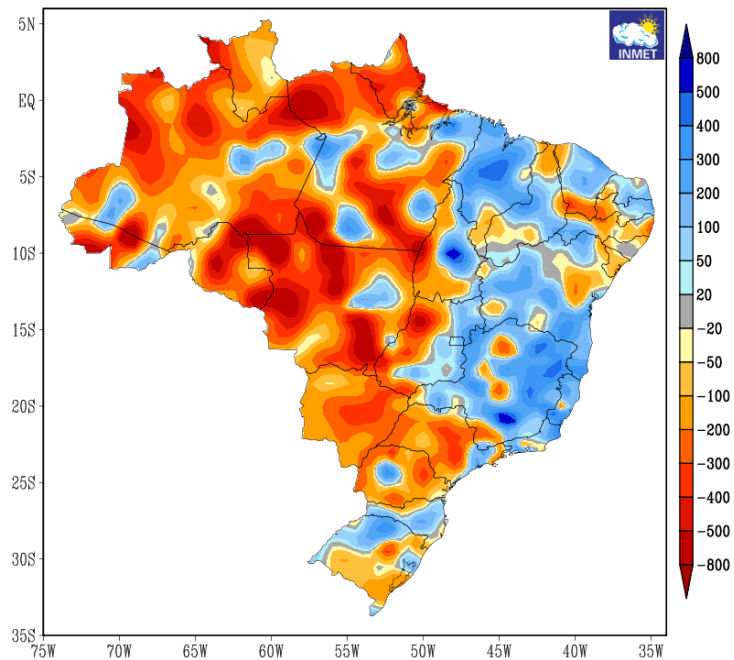
Monitoramento da chuva 30 dias e trimestre



Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 30 dias
Mapa do dia 16/04/2024



ANOMALIA DE PRECIPITAÇÃO TRIMESTRAL
VALIDO PARA JANEIRO, FEVEREIRO, MARÇO DE 2024

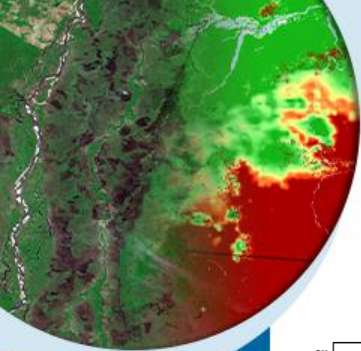


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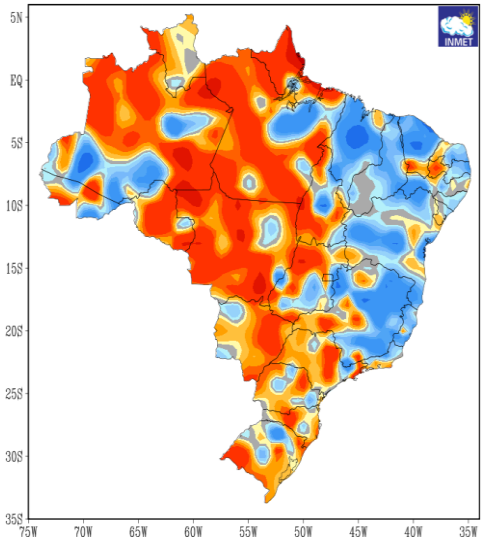
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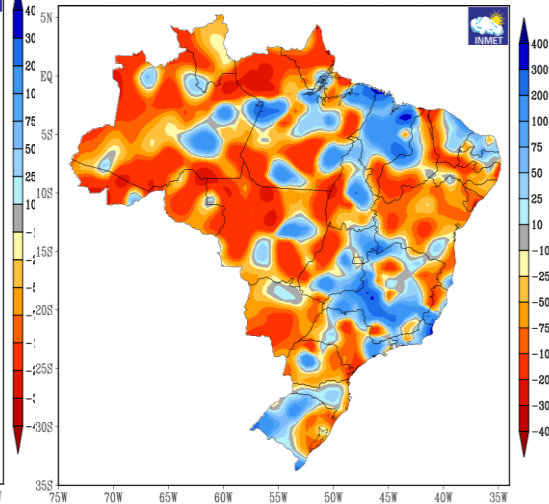
Anomalias de precipitação no trimestre, fev/mar e abr 2024



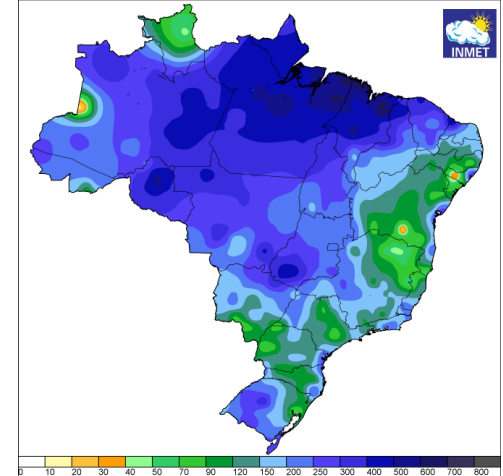
ANOMALIA DE PRECIPITAÇÃO
VALIDO PARA FEVEREIRO DE 2024



ANOMALIA DE PRECIPITAÇÃO
VALIDO PARA MARÇO DE 2024



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Precipitação Acumulada nos últimos 30 dias
Mapa do dia 16/04/2024



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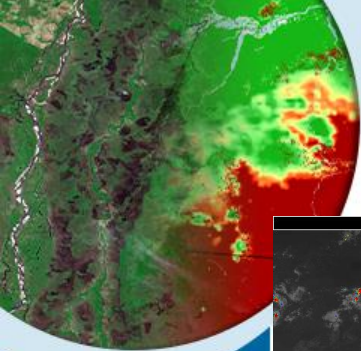
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Satélite – IR

09H20 16/04

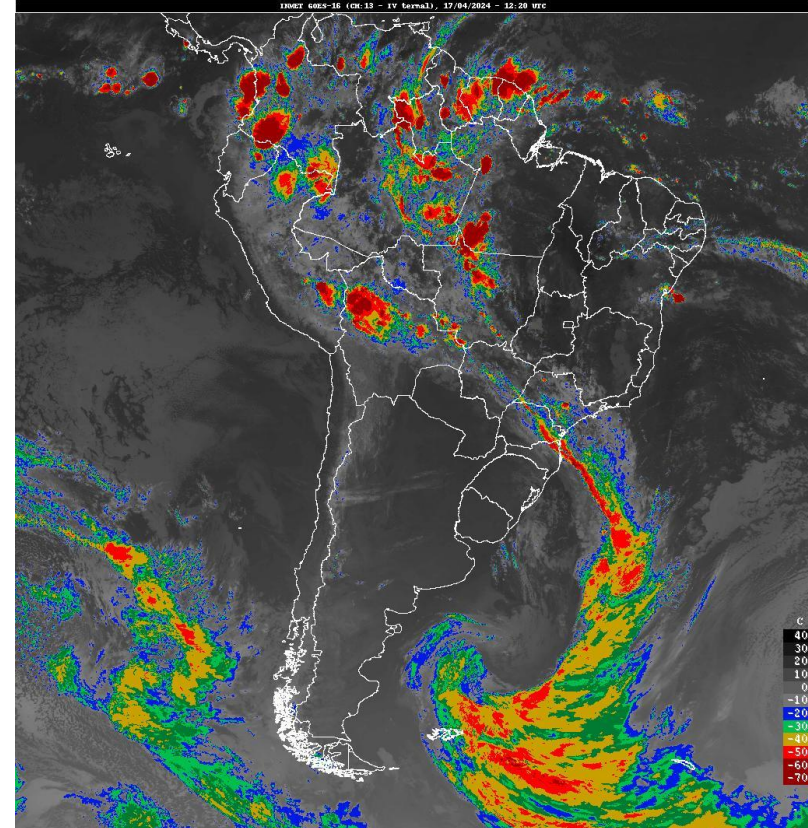
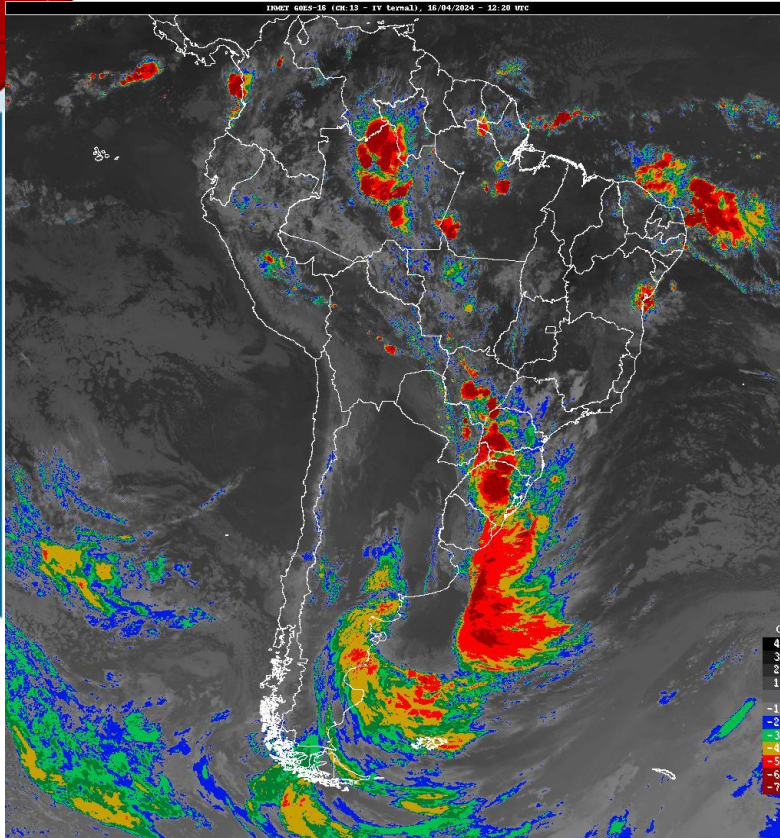
17/04 09H20



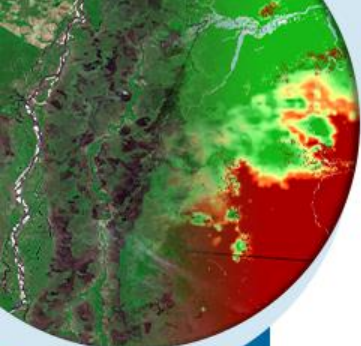
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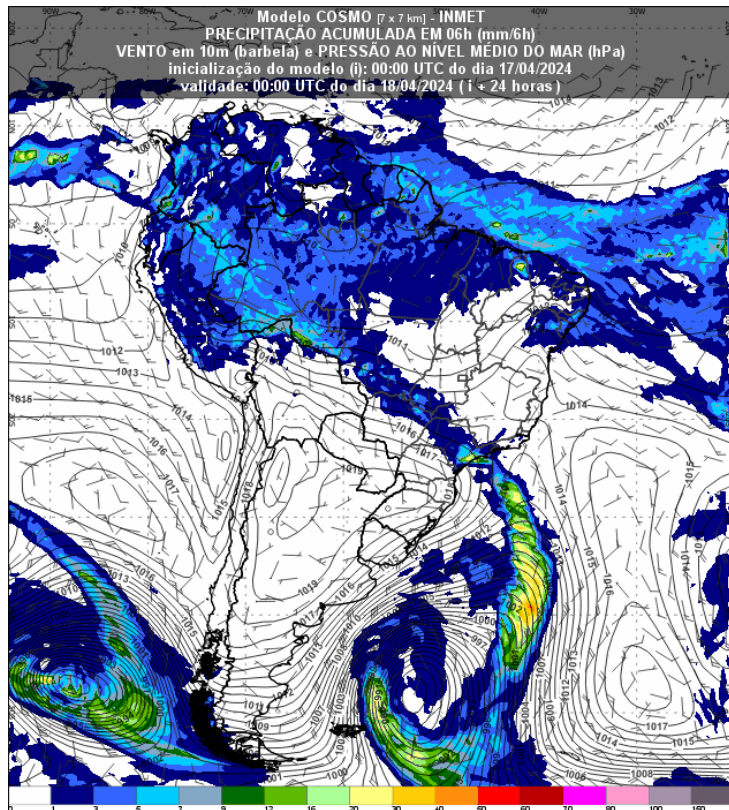
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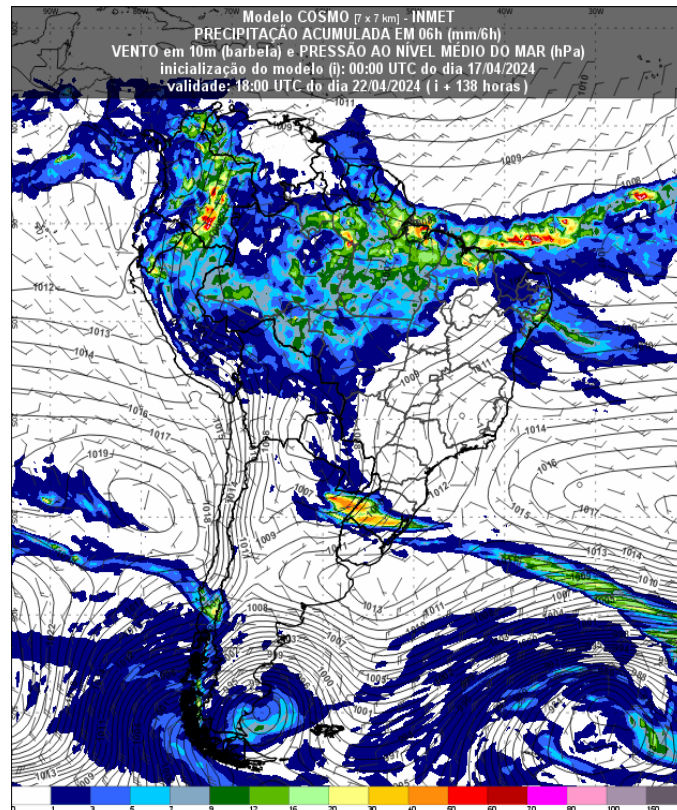
Pres~são atm/chuva 6h



17/04 21h



22/04 15h



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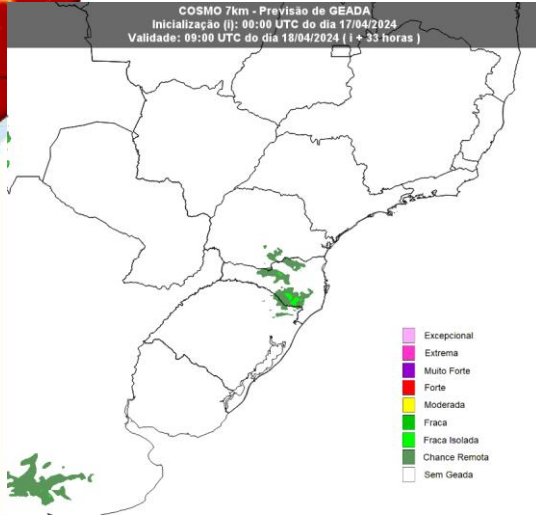
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Indicativo de Geada – adaptado de Cosmo 7Km

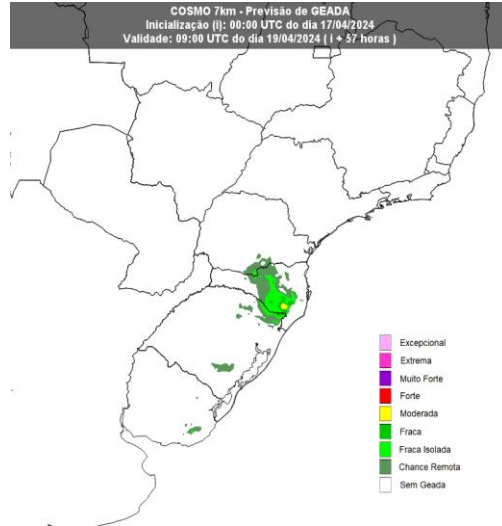
18/04

COSMO 7km - Previsão de GEADA
Inicialização (I): 00:00 UTC do dia 17/04/2024
Validade: 09:00 UTC do dia 18/04/2024 (I + 33 horas)



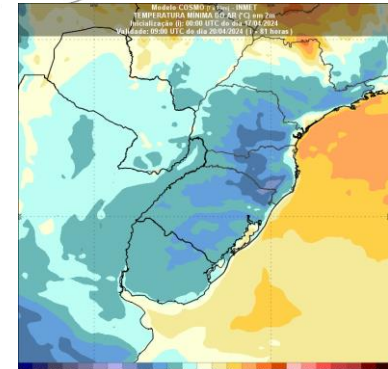
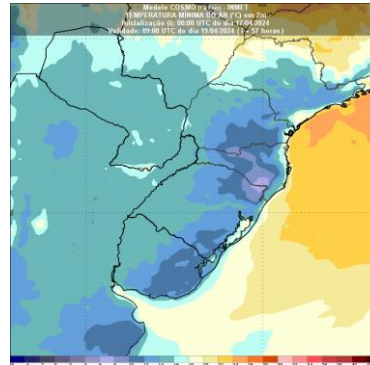
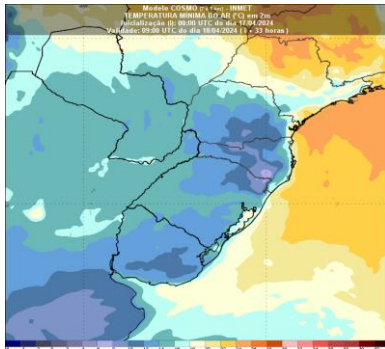
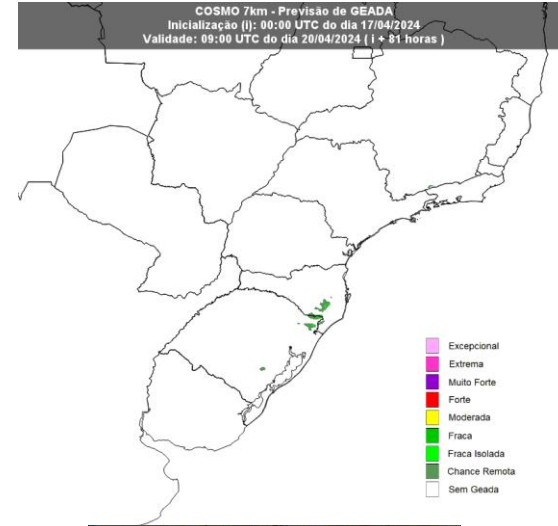
19/04

COSMO 7km - Previsão de GEADA
Inicialização (I): 00:00 UTC do dia 17/04/2024
Validade: 09:00 UTC do dia 19/04/2024 (I + 57 horas)



20/04

COSMO 7km - Previsão de GEADA
Inicialização (I): 00:00 UTC do dia 17/04/2024
Validade: 09:00 UTC do dia 20/04/2024 (I + 81 horas)



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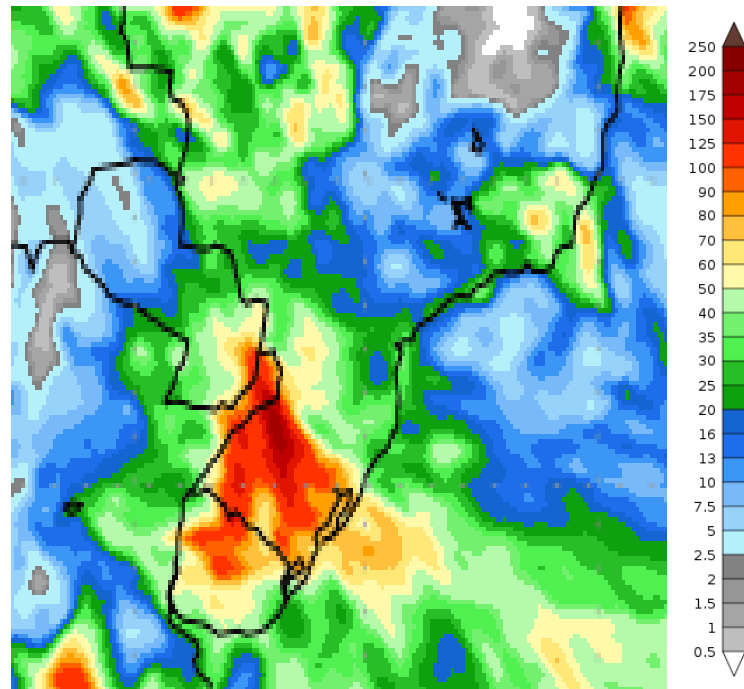
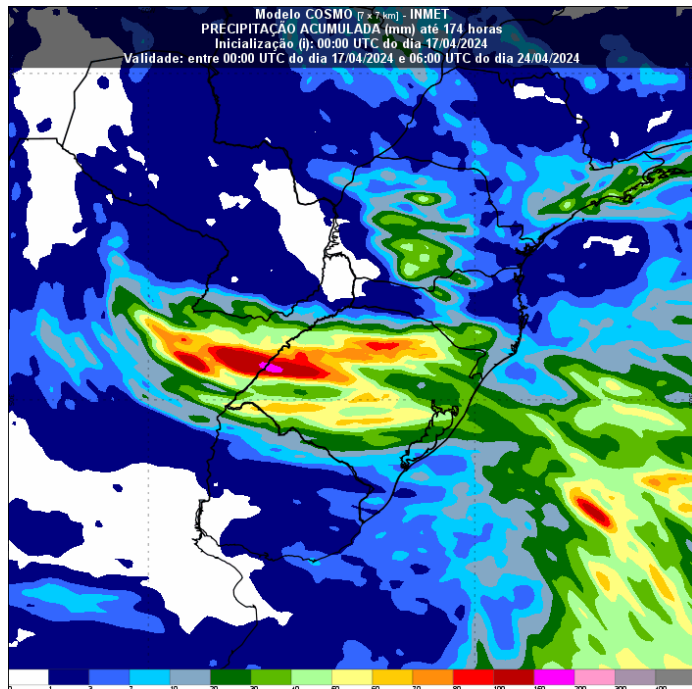
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Precipitação acumulada até 168 h

Até 23/04

COSMO INMET 7 Km

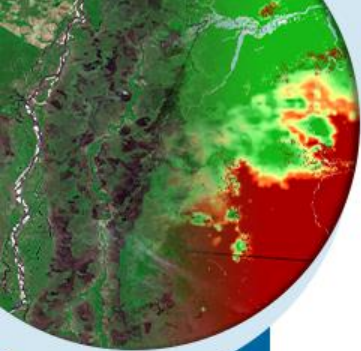
GFS



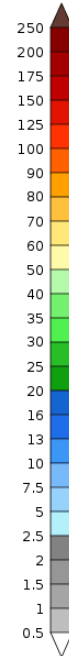
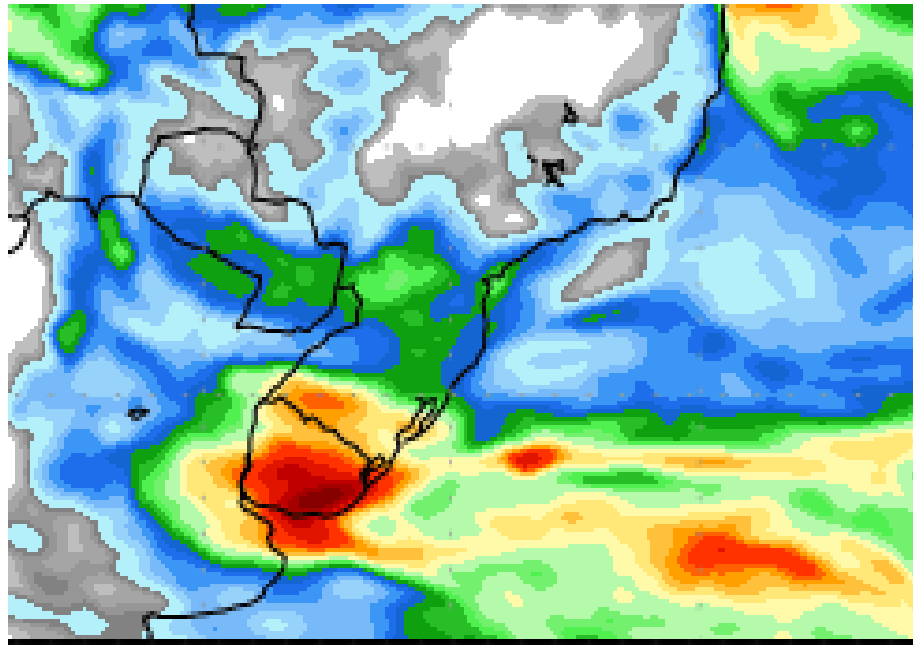
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GFS 23/04 À 01°/05



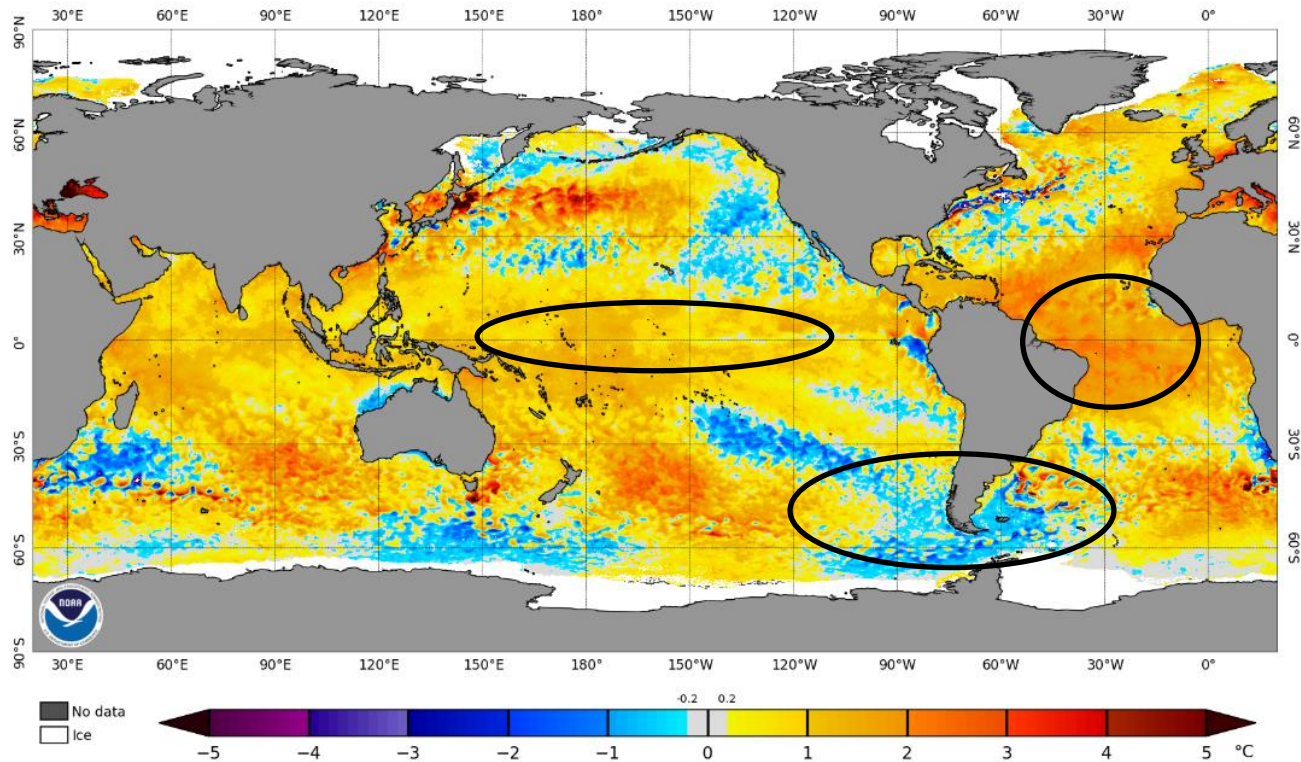
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Tempo/Clima: TSM OCEANOS NIÑO

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 15 Apr 2024

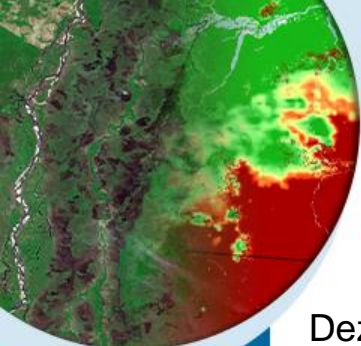


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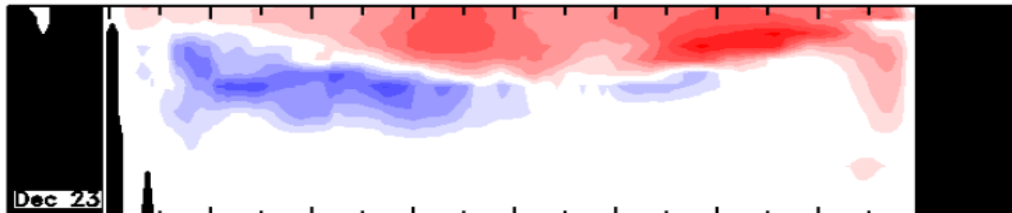
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TSM ANOMALIAS MENSAIS SUBSUPERFICIAS

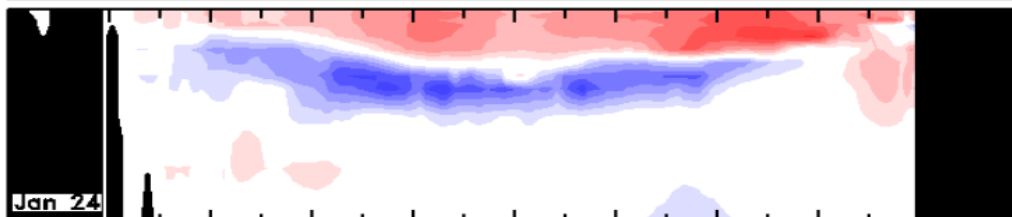


Pacific Ocean Eq Anomaly $\Delta=0.5^\circ\text{C}$

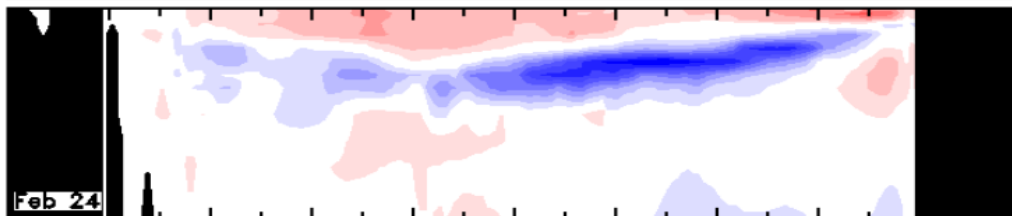
Dez



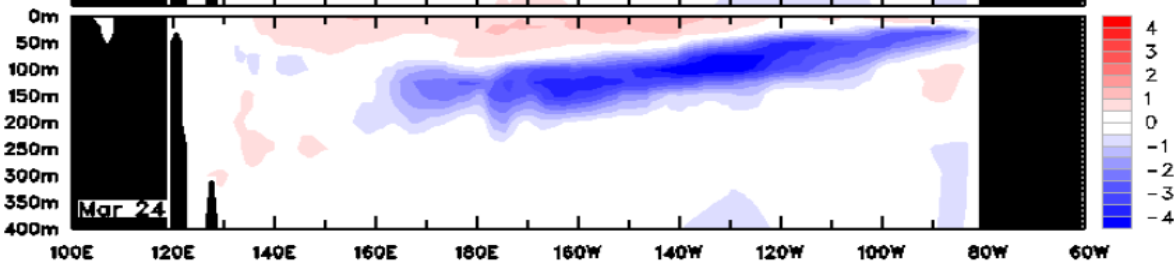
Jan



Fev



Mar

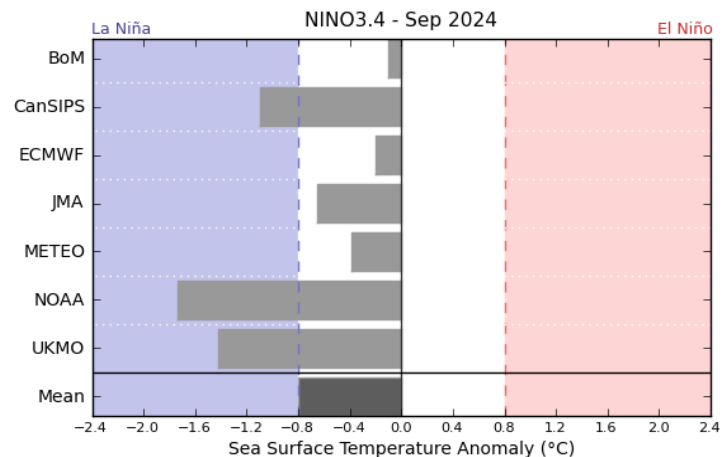
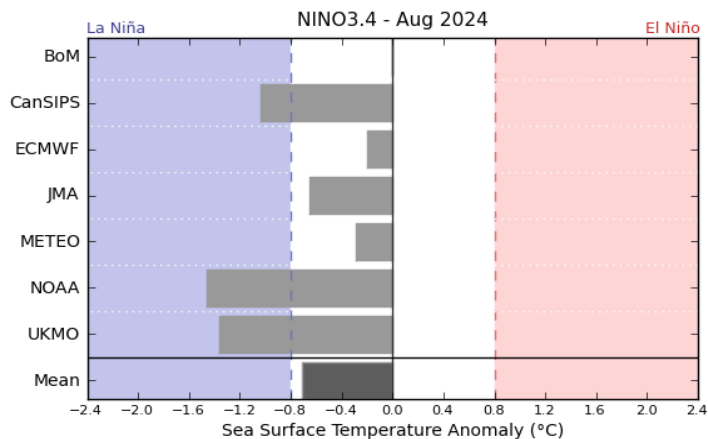
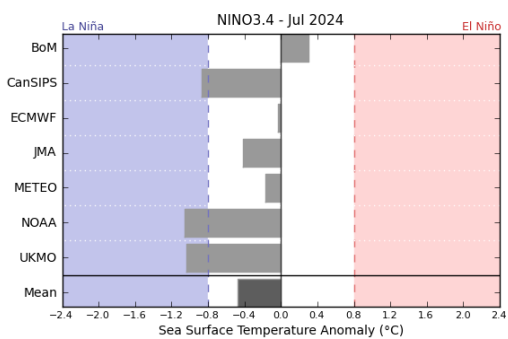
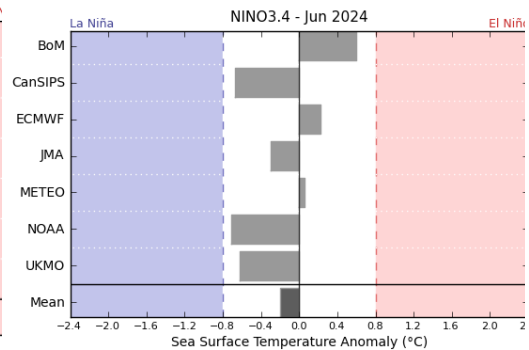
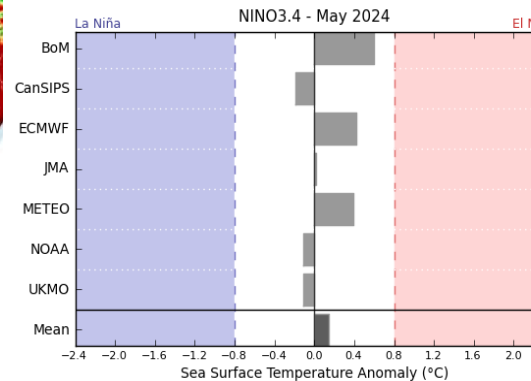
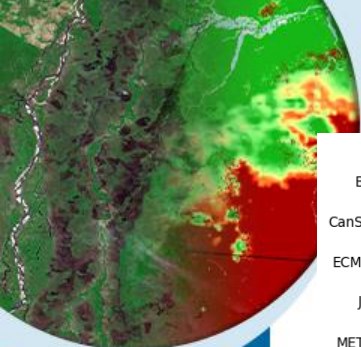


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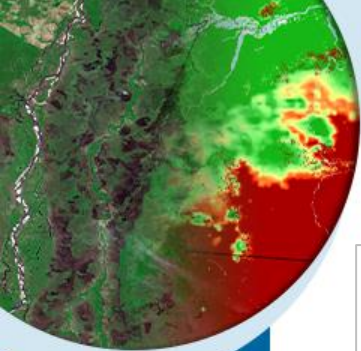
PREVISÕES TSM 3.4



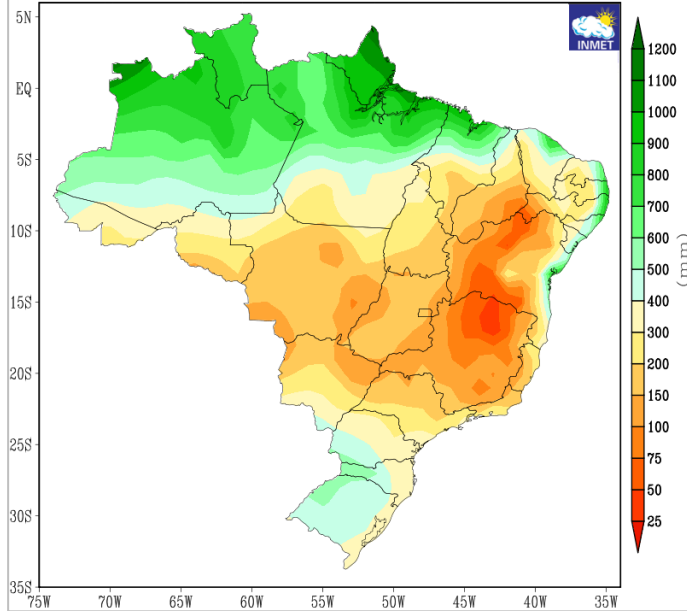
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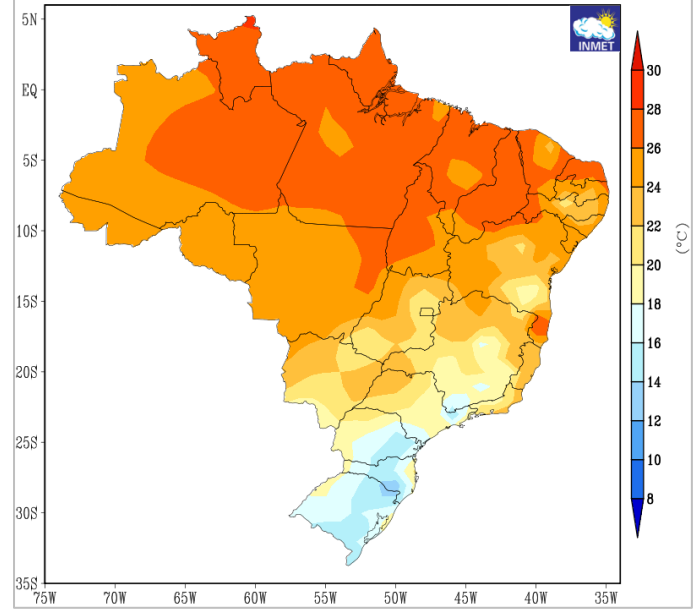




NORMAL CLIMATOLÓGICA DA PRECIPITAÇÃO
TRIMESTRE ABRIL-MAIO-JUNHO
PERÍODO DE REFERÊNCIA : 1981-2010



NORMAL CLIMATOLÓGICA DA TEMPERATURA MÉDIA
TRIMESTRE ABRIL-MAIO-JUNHO
PERÍODO DE REFERÊNCIA : 1981-2010

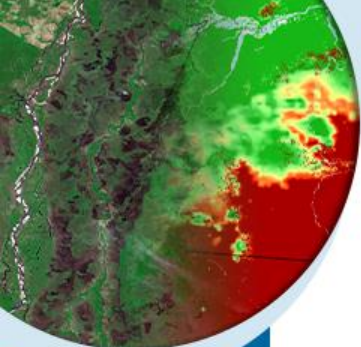


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CFS NOAA TSM PRÓXIMOS MESES

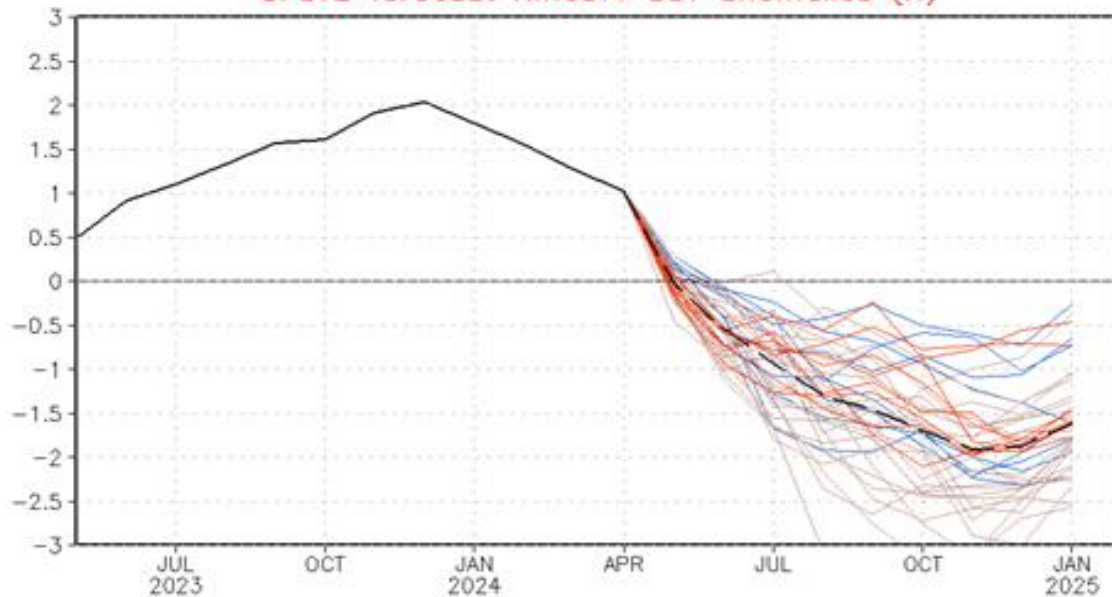


NWS/NCEP/CPC

Last update: Mon Apr 15 2024

Initial conditions: 5Apr2024-14Apr2024

CFSv2 forecast Nino3.4 SST anomalies (K)



— Latest 8 forecast members
— Earliest 8 forecast members
— Other forecast members
— Forecast ensemble mean
— NCEP Olv2.1 daily analysis
(Climatology base period: 1991–2020)

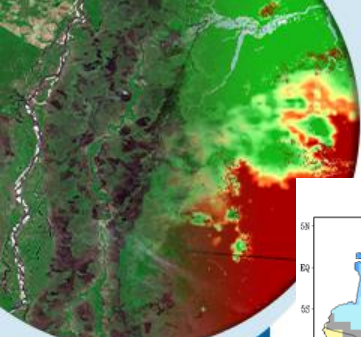


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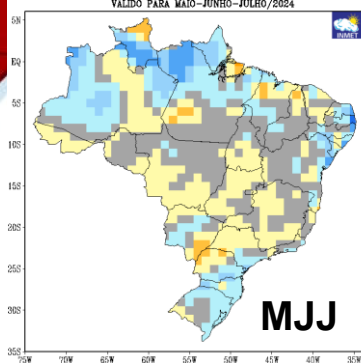
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INMET PROGNÓSTICO CLIMÁTICO MAI-JUN-JUL/2024

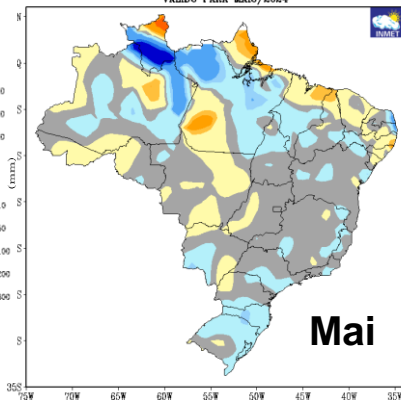


PREVISÃO DE ANOMALIAS DE PRECIPITAÇÃO (mm)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA MAIO-JUNHO-JULHO/2024



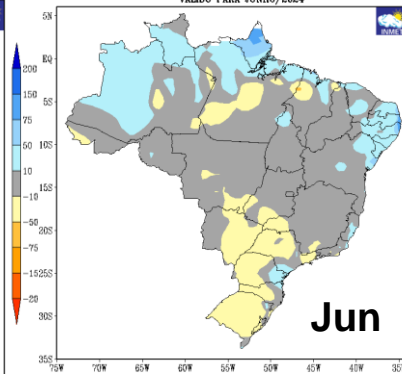
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PREVISÃO DE ANOMALIAS DE PRECIPITAÇÃO (mm)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA MAIO/2024



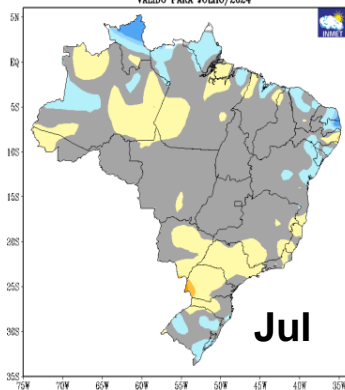
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VALIDO PARA JUNHO/2024



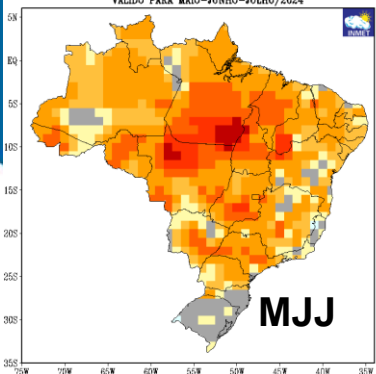
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PREVISÃO DE ANOMALIAS DE PRECIPITAÇÃO (mm)
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VALIDO PARA JULHO/2024



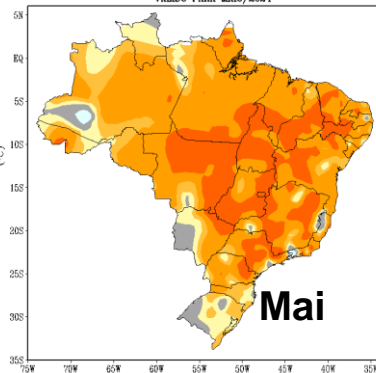
Jul

PREVISÃO DE ANOMALIAS DE TEMPERATURA (°C)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA MAIO-JUNHO-JULHO/2024



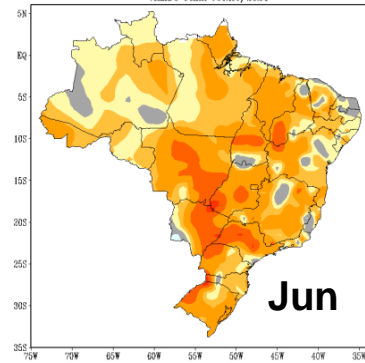
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PREVISÃO DE ANOMALIAS DE TEMPERATURA (°C)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA MAIO/2024



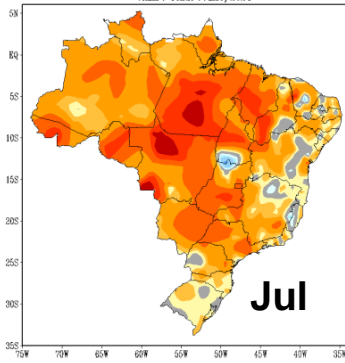
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PREVISÃO DE ANOMALIAS DE TEMPERATURA (°C)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA JUNHO/2024



Jun

PREVISÃO DE ANOMALIAS DE TEMPERATURA (°C)
ATUALIZAÇÃO - ABRIL/2024
VALIDO PARA JULHO/2024



Jul



INMET



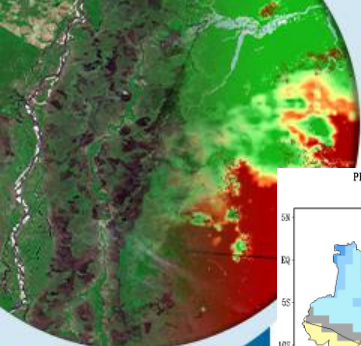
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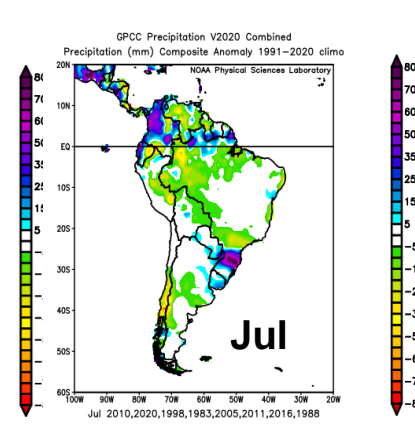
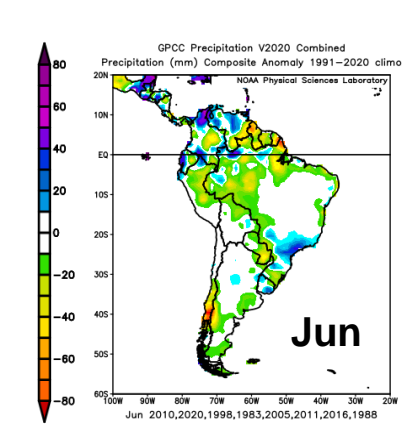
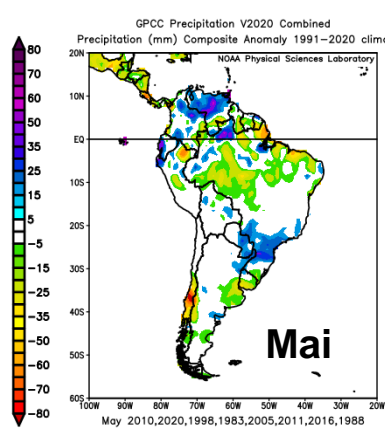
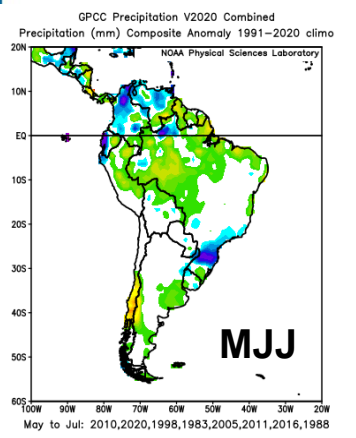
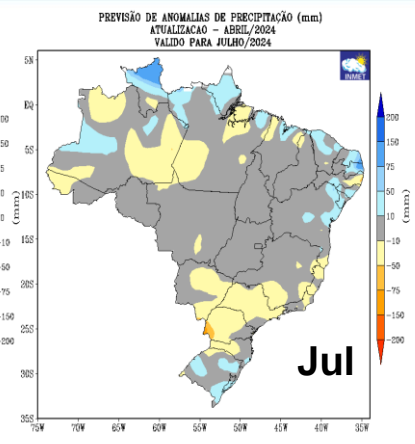
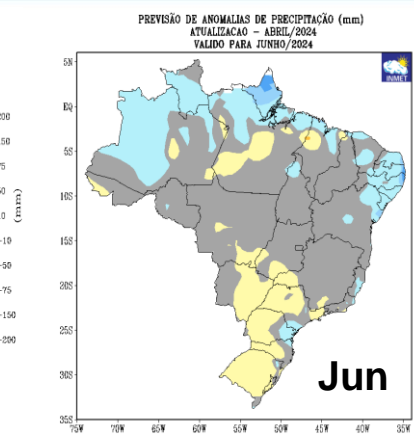
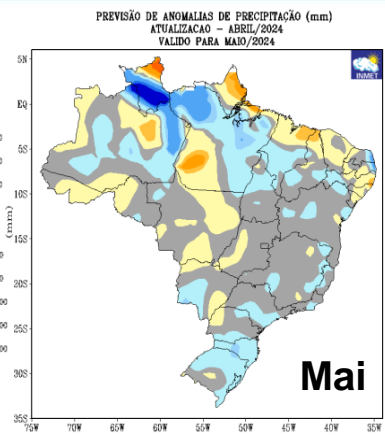
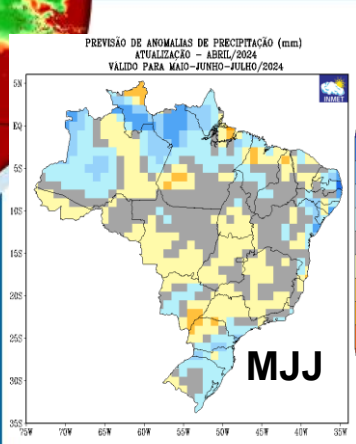
PRECIPITAÇÃO INMET X ANÁLOGOS



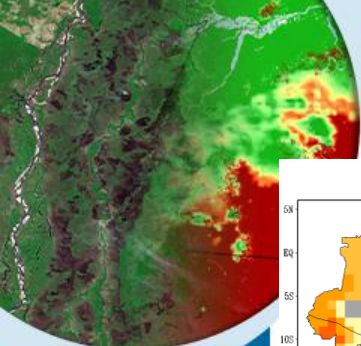
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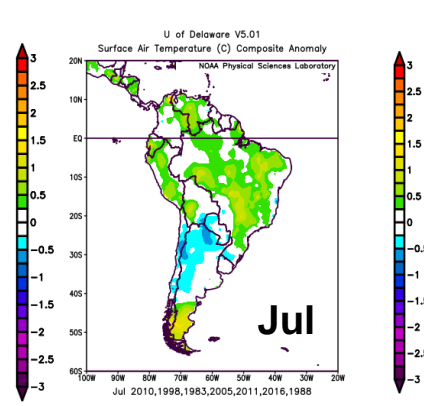
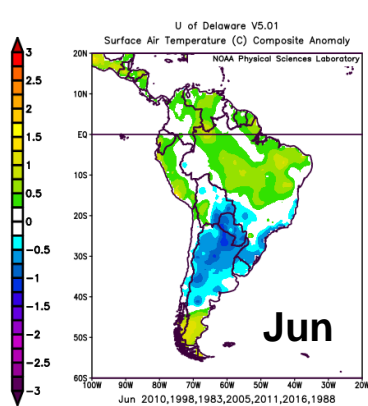
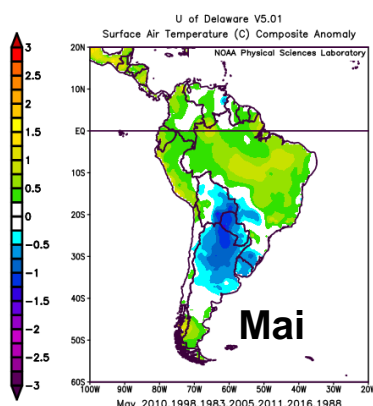
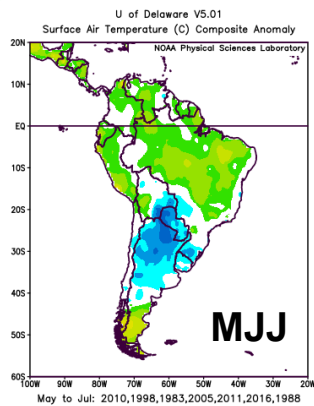
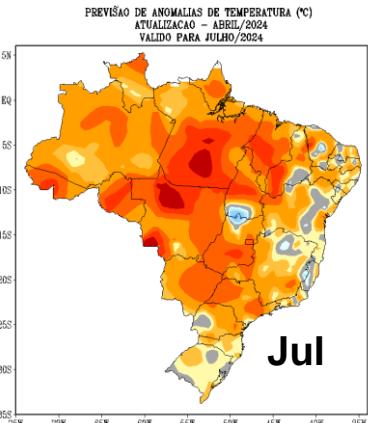
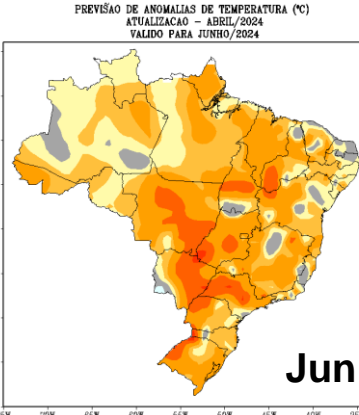
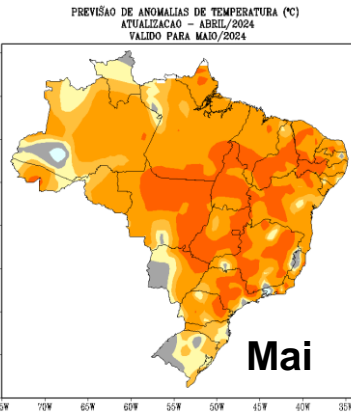
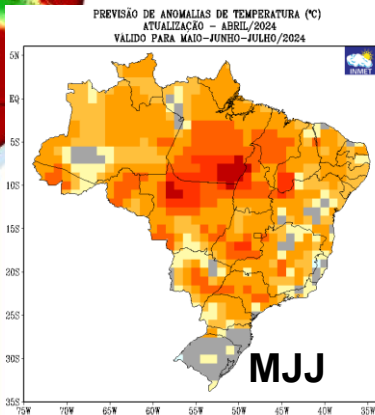


Temperatura PROGNO'STICO CLIMÁTICO ESTATÍSTICO

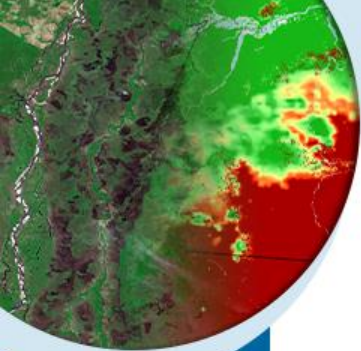


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PROGNÓSTICO CLIMÁTICO MAI-JUN-JUL/2024

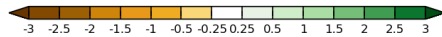
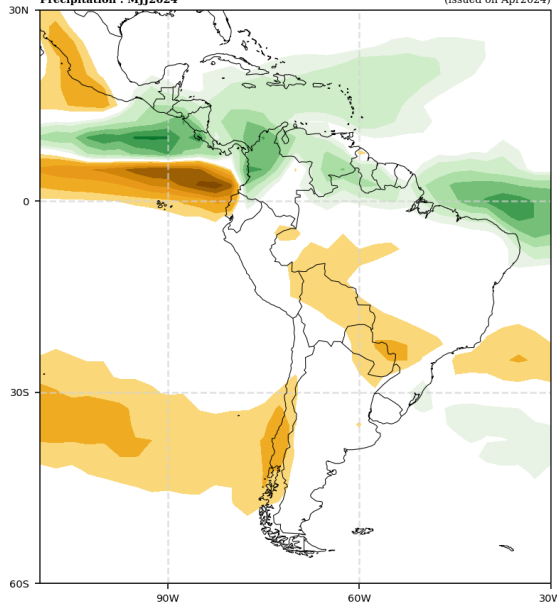


Simple Composite Map

Beijing,CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Pretoria,Seoul,Tokyo,Toulouse,Washington [Unit: mm]

Precipitation : MJJ2024

(issued on Apr2024)



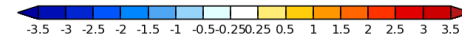
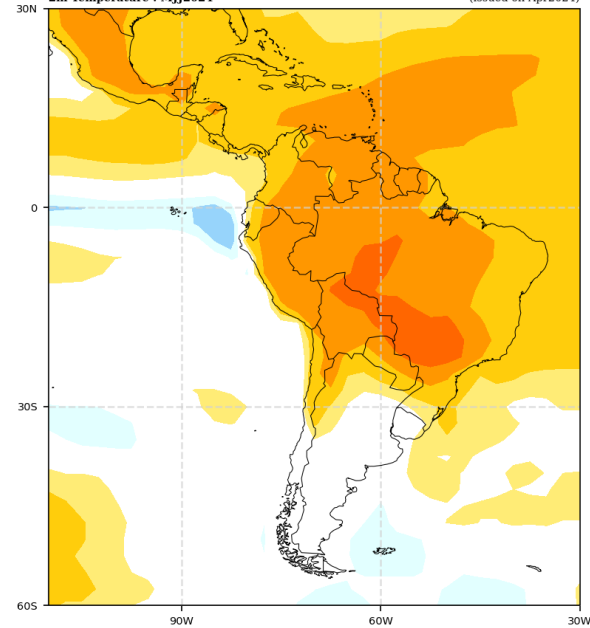
WMO Lead Centre for
LAP WMO

Simple Composite Map

Beijing,CMCC,CPTEC,ECMWF,Exeter,Melbourne,Montreal,Moscow,Offenbach,Pretoria,Seoul,Tokyo,Toulouse,Washington [Unit: K]

2m Temperature : MJJ2024

(issued on Apr2024)



WMO Lead Centre for
LAP WMO

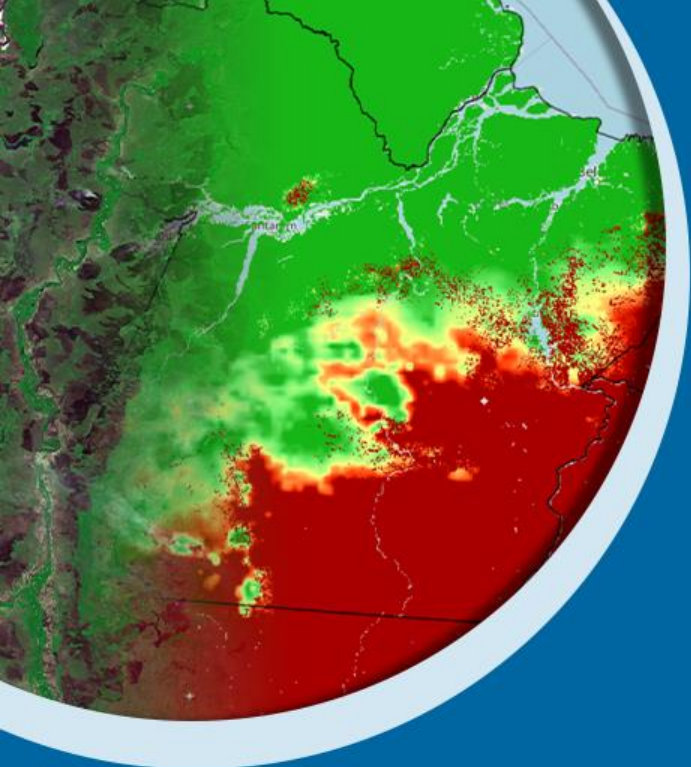


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Fonte: https://www.wmolc.org/seasonPmmeUI/plot_PMME



Obrigado pela atenção!

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