



CEMADEN

Centro Nacional de Monitoramento e
Alertas de Desastres Naturais

Sala de Acompanhamento da Região Norte

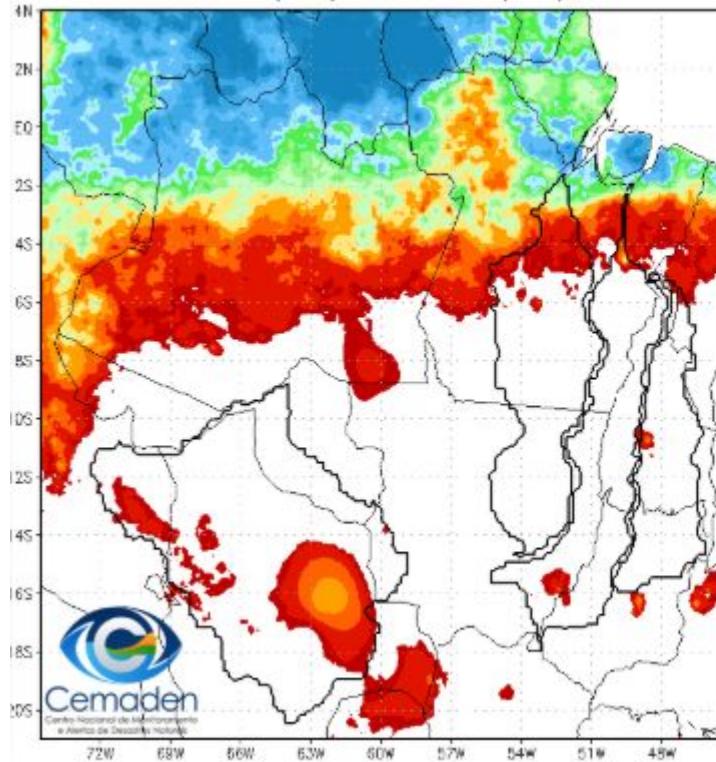
CEMADEN/MCTI

Julho de 2025

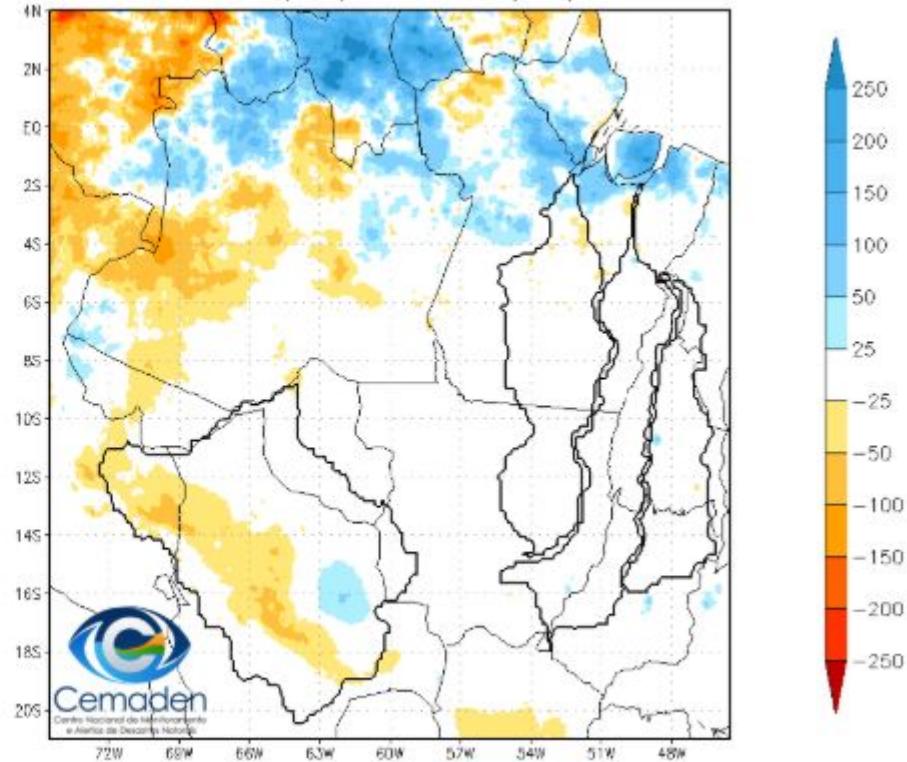


PRECIPITAÇÃO : ÚLTIMOS 30 DIAS

Precipitação Acumulada (mm) A.S.
Período: 28/06/2025 a 28/07/2025

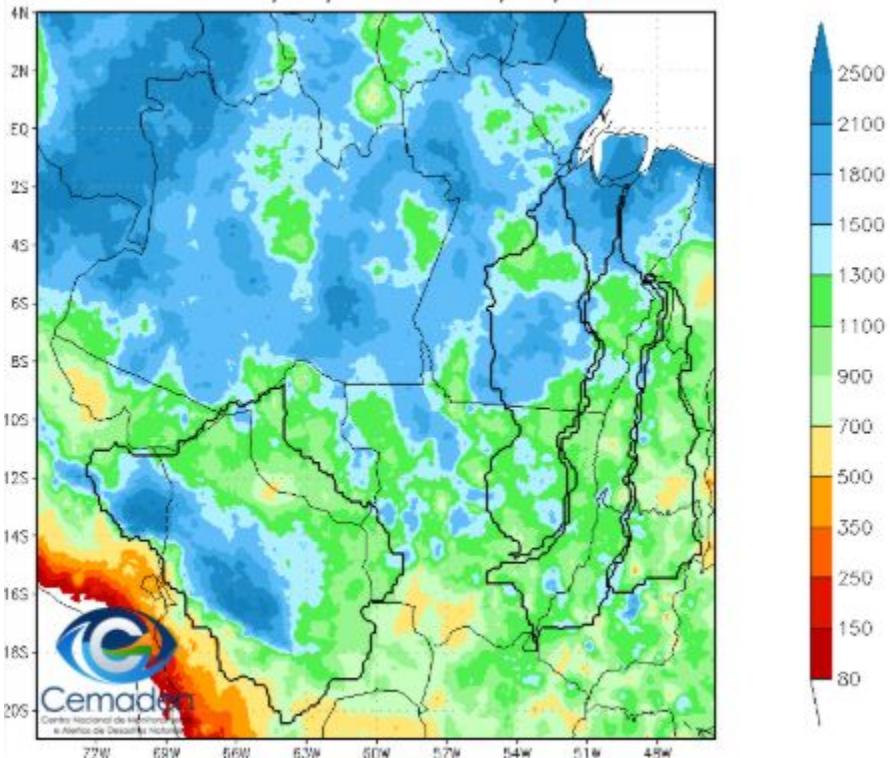


Anomalia de Precipitação (mm) A.S.
Período: 28/06/2025 a 28/07/2025

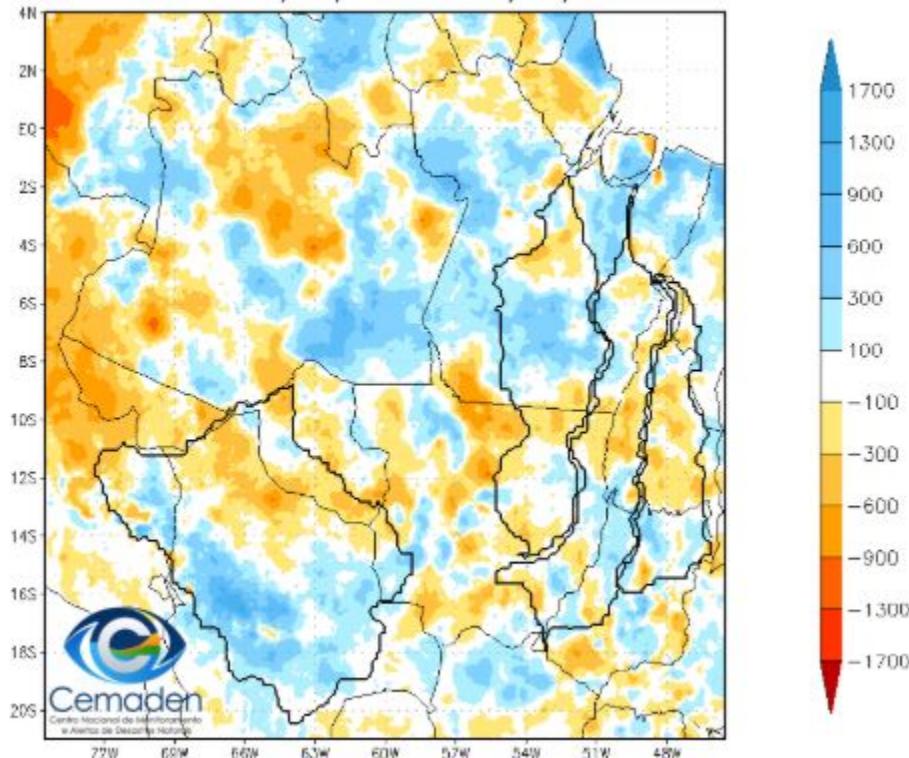


PRECIPITAÇÃO DO ANO HIDROLÓGICO

Precipitação Acumulada (mm) A.S.
Período: 01/10/2024 a 28/07/2025



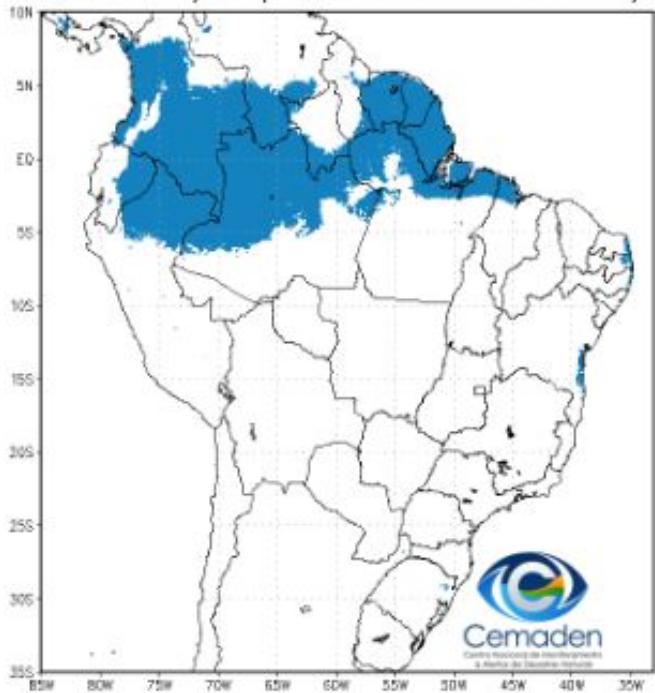
Anomalia de Precipitação (mm) A.S.
Período: 01/10/2024 a 28/07/2025



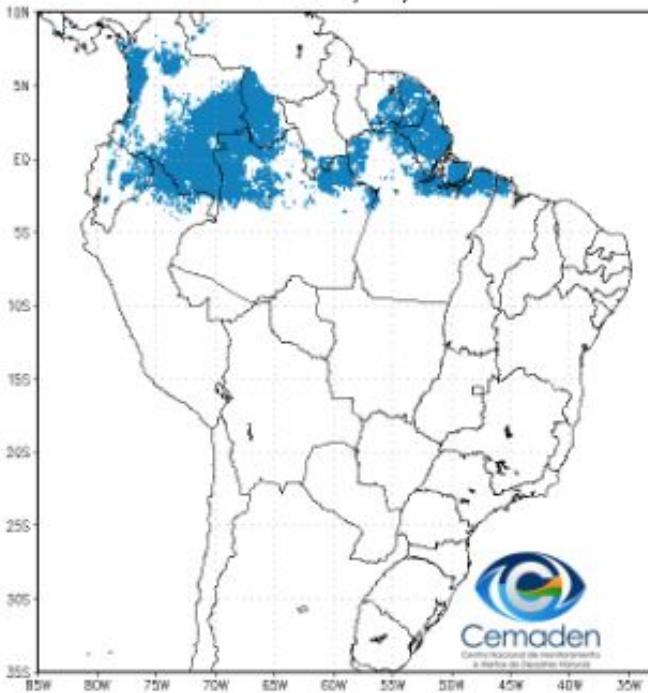
FONTE DOS DADOS: MERGE/INPE

SITUAÇÃO DA ESTAÇÃO CHUVOSA

Climatologia da Precipitação (2001–2024)
Inferior 2 mm/dia por 4 de 5 dias Período: 28/07

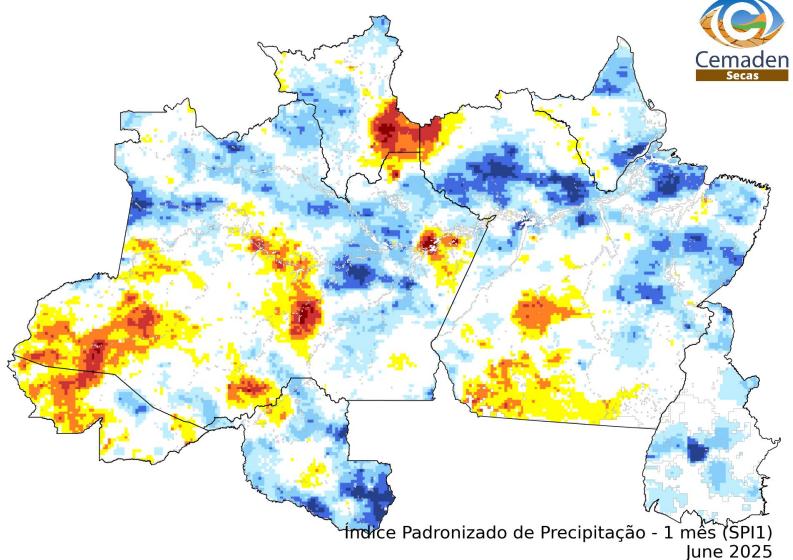


Precipitação Inferior 2 mm/dia por 4 de 5 dias
Período: 28/07/2025

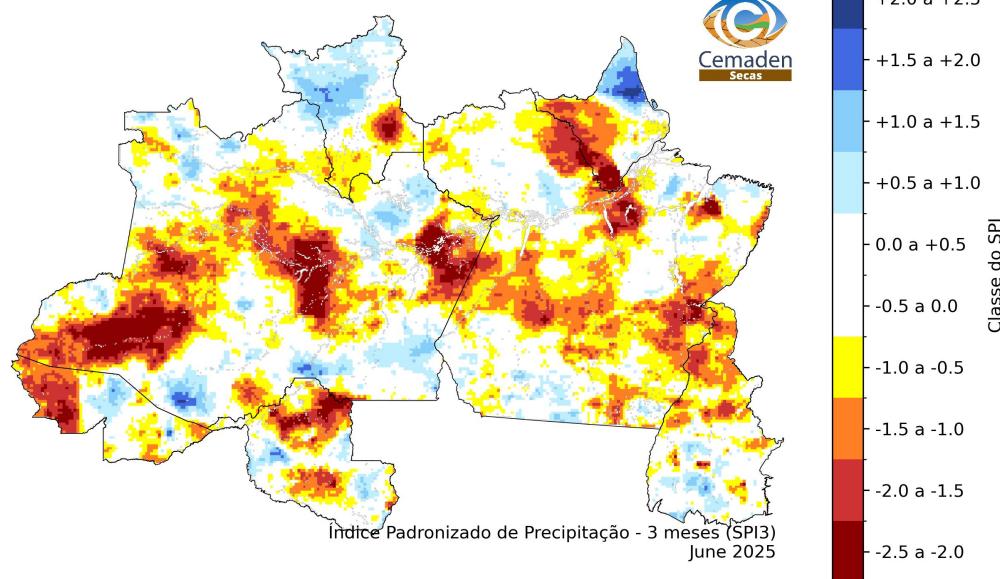


ANOMALIA PADRONIZADA DE PRECIPITAÇÃO : JUNHO/2025

SPI1



SPI3

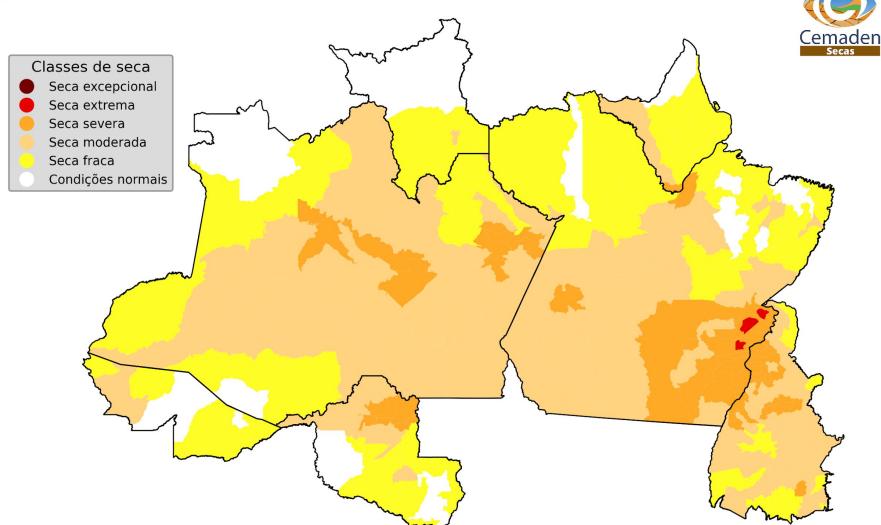


ÍNDICE INTEGRADO DE SECA - IIS

(SPI + VHI + AUS): JUNHO/2025

IIS-03

Índice Integrado de Seca - 3 meses (IIS3)
June 2025

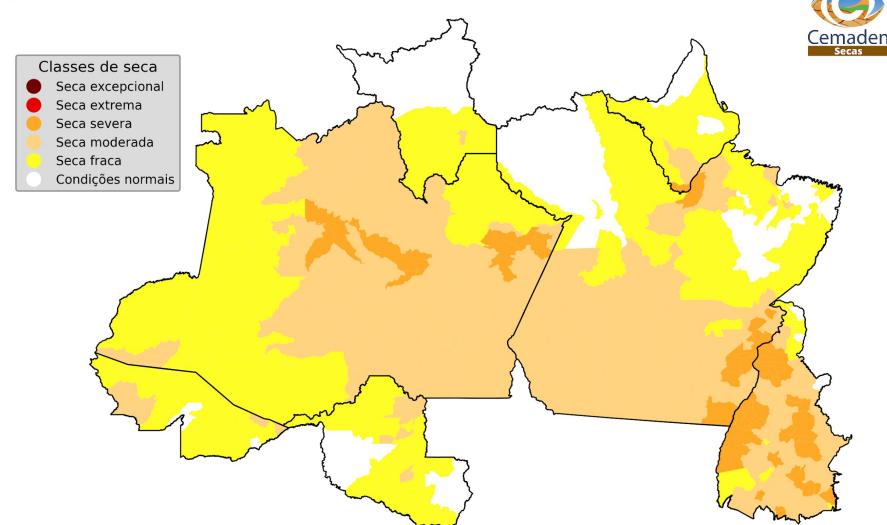


Número de municípios por classes de seca:
Seca excepcional: 0 (0.0%)
Seca extrema: 3 (0.7%)
Seca severa: 70 (15.6%)
Seca moderada: 160 (35.6%)
Seca fraca: 156 (34.7%)
Condições normais: 61 (13.6%)

Fonte: Cemaden/MCTI

IIS-06

Índice Integrado de Seca - 6 meses (IIS6)
June 2025

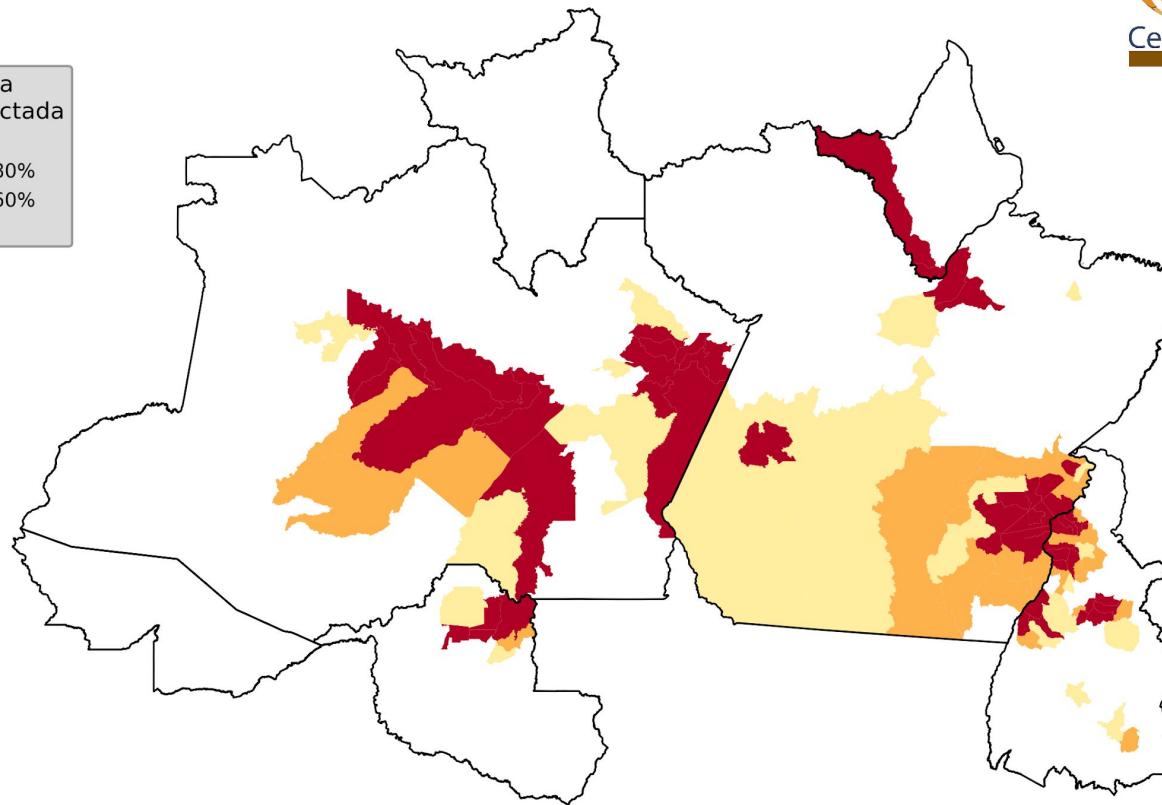
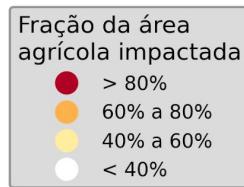


Número de municípios por classes de seca:
Seca excepcional: 0 (0.0%)
Seca extrema: 0 (0.0%)
Seca severa: 63 (14.0%)
Seca moderada: 140 (31.1%)
Seca fraca: 166 (36.9%)
Condições normais: 81 (18.0%)

Fonte: Cemaden/MCTI

ÁREAS DE PASTAGENS E AGRÍCOLAS AFETADAS PELA SECA

Área agro-pastoril municipal afetada pela seca
June 2025



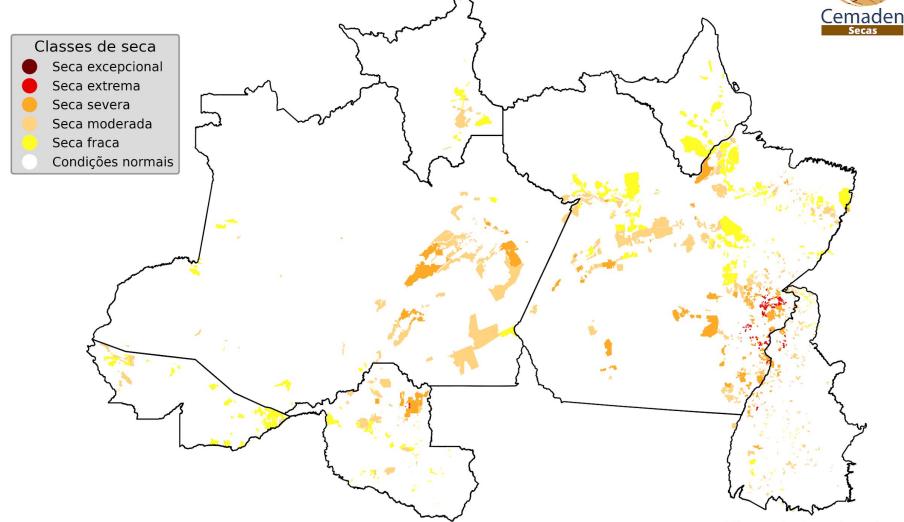
Fonte: Cemaden/MCTI

ÍNDICE INTEGRADO DE SECA (IIS-03)

PROJETOS DE ASSENTAMENTO

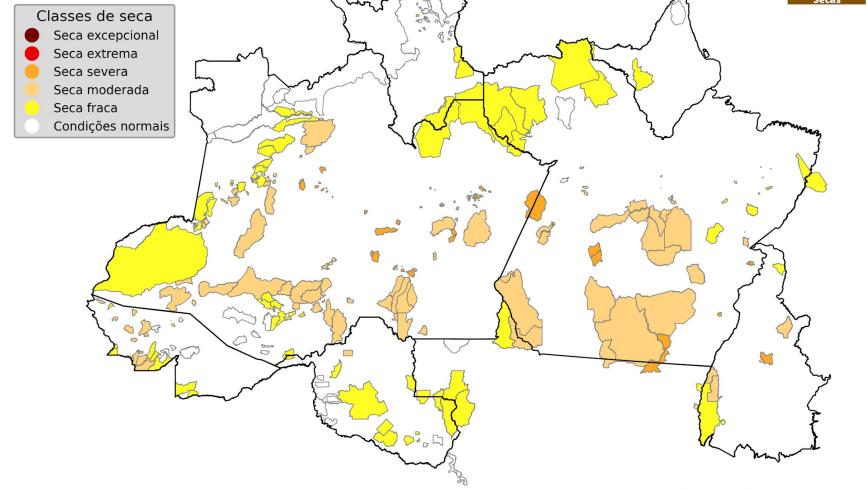
TERRAS INDÍGENAS

Índice Integrado de Seca - 3 meses (IIS3)
June 2025



Fonte: Cemaden/MCTI

Índice Integrado de Seca - 3 meses (IIS3)
June 2025



Fonte: Cemaden/MCTI

Número de Terras Indígenas por classes de seca:

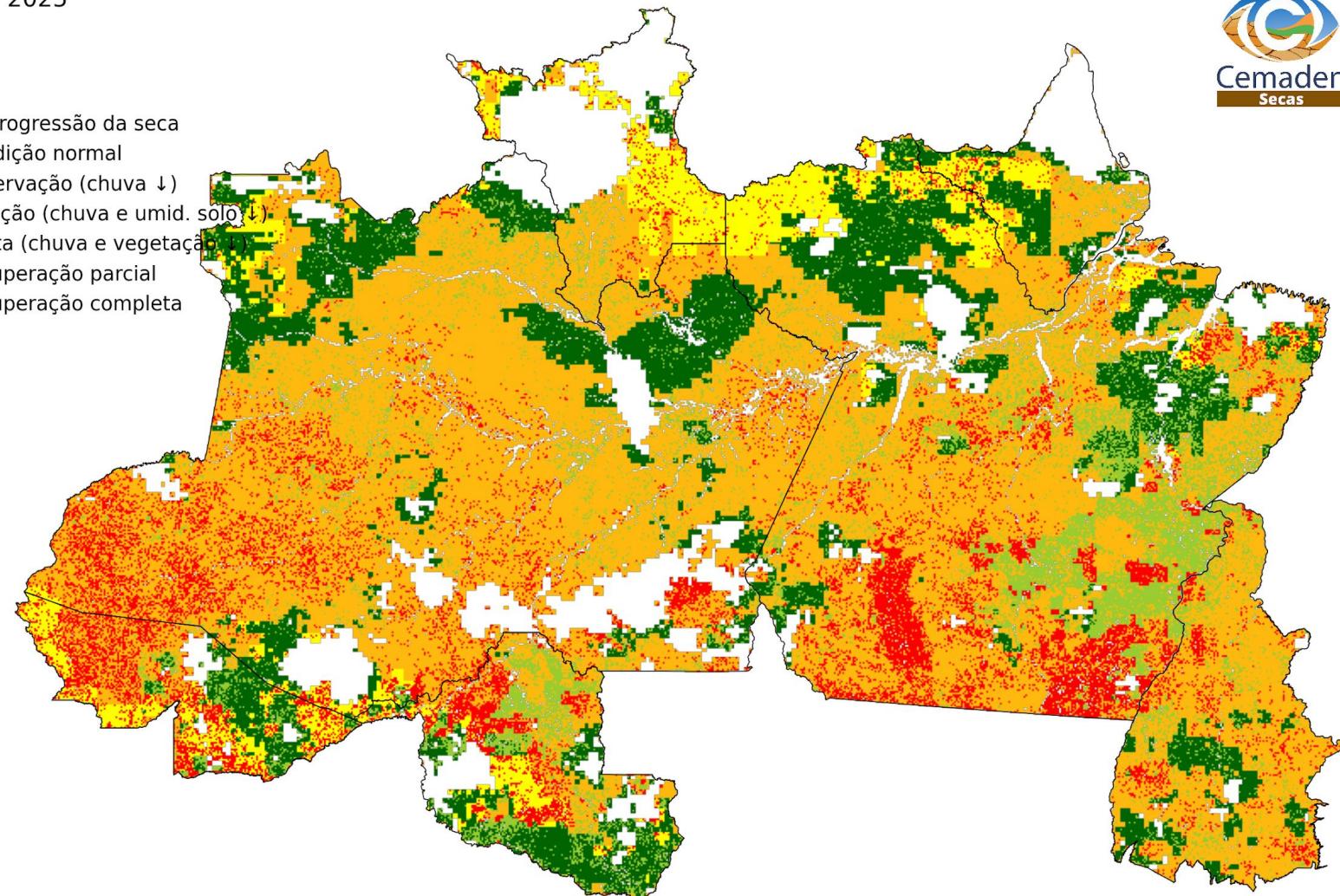
Seca	Número	Porcentagem
Seca excepcional	0	0.0%
Seca extrema	1	0.2%
Seca severa	40	6.3%
Seca moderada	114	18.0%
Seca fraca	88	13.9%
Condições normais	63	10.0%

PROGRESSÃO E INTENSIFICAÇÃO DAS CONDIÇÕES DE SECA (PICS)

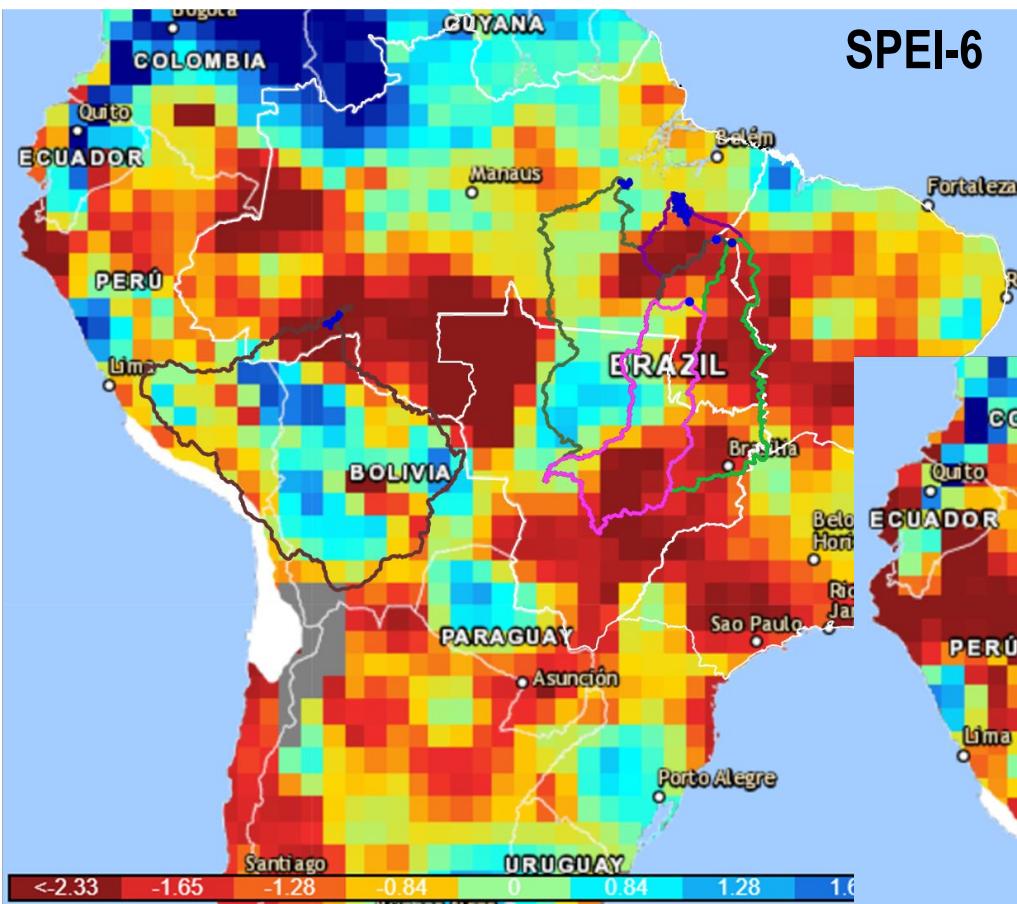
Progressão e Intensificação das Condições de Seca (PICS)
June 2025



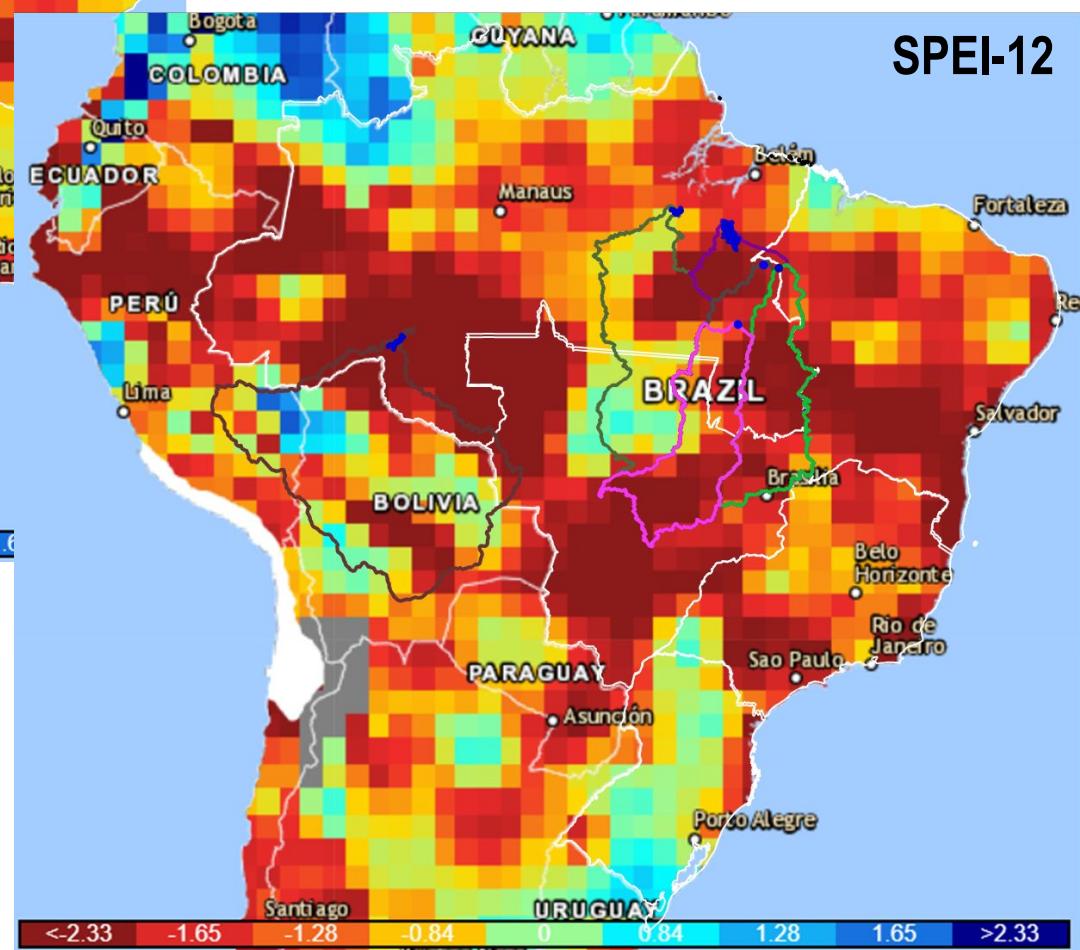
- Progressão da seca
- Condição normal
 - Observação (chuva ↓)
 - Atenção (chuva e umid. solo ↓)
 - Alerta (chuva e vegetação ↓)
 - Recuperação parcial
 - Recuperação completa



Índice Padronizado de Precipitação – Evapotranspiração Potencial (SPEI)



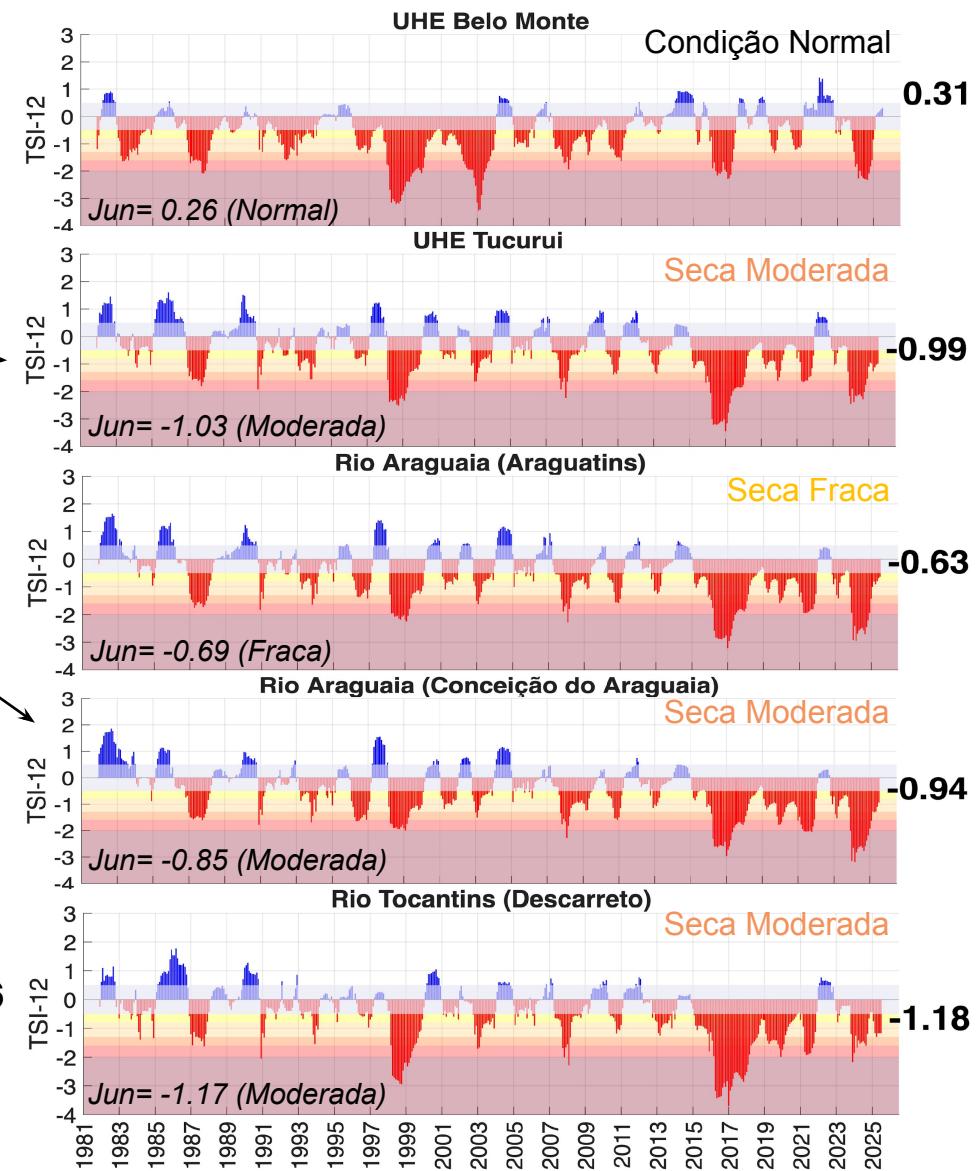
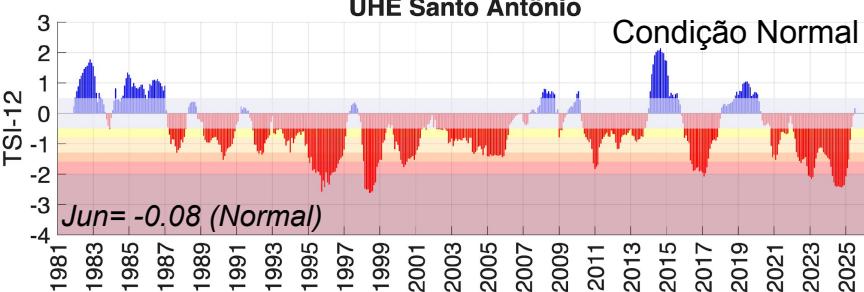
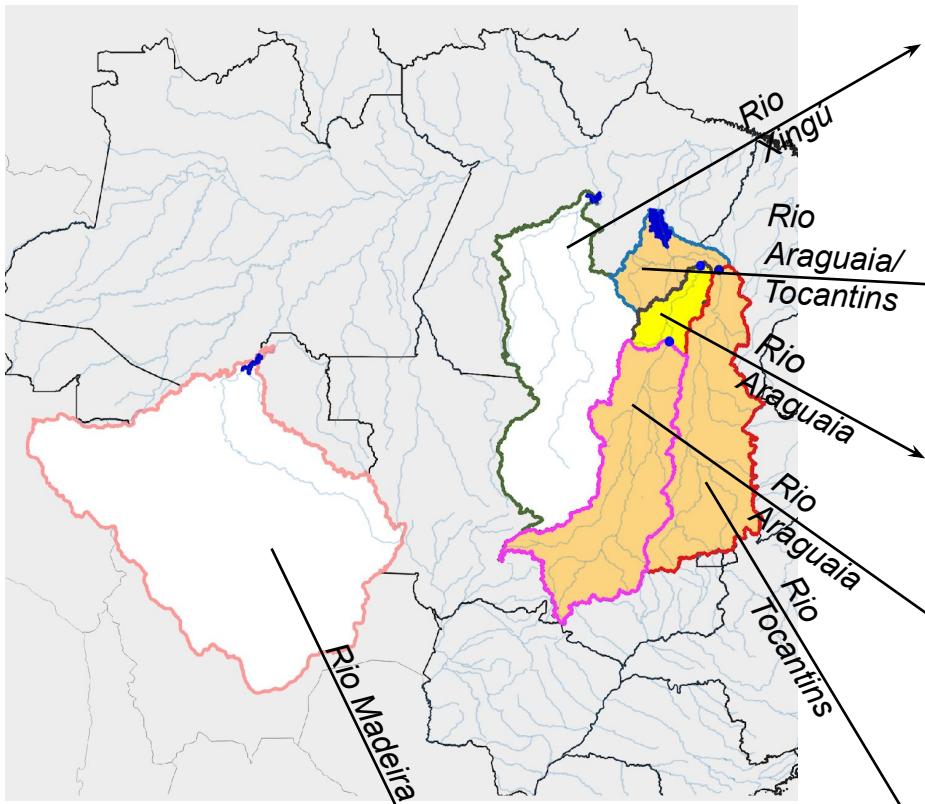
Junho/2025



Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Escala de Longo Prazo: TSI-12 meses

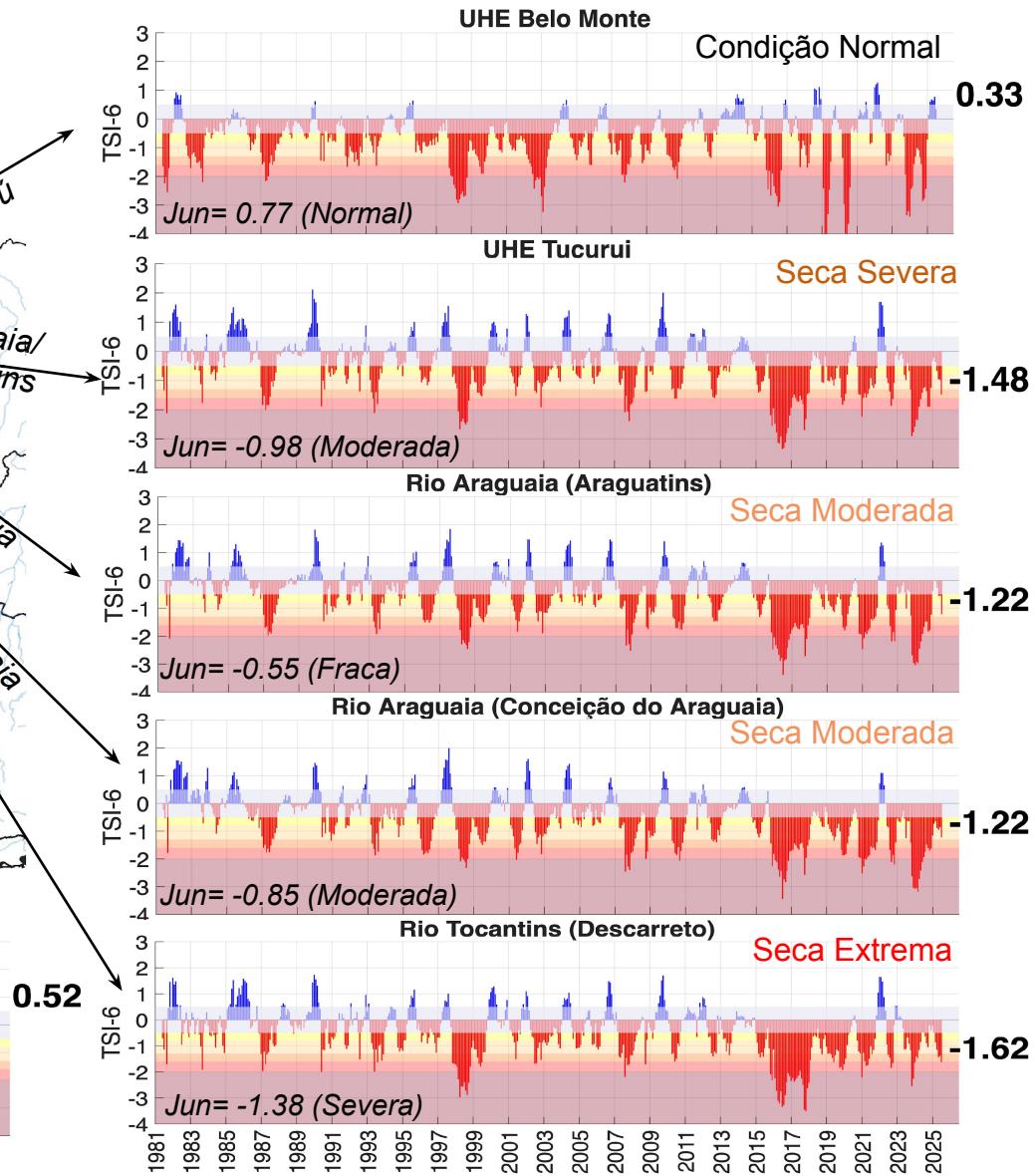
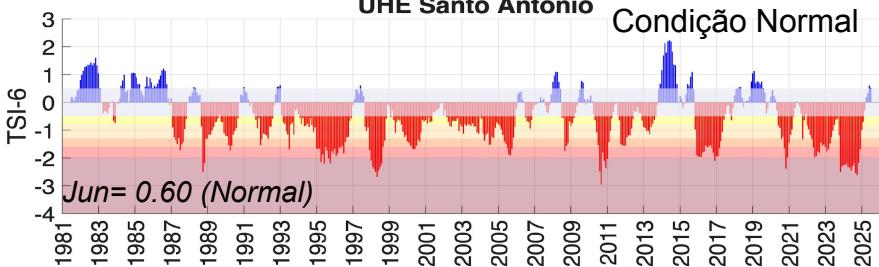
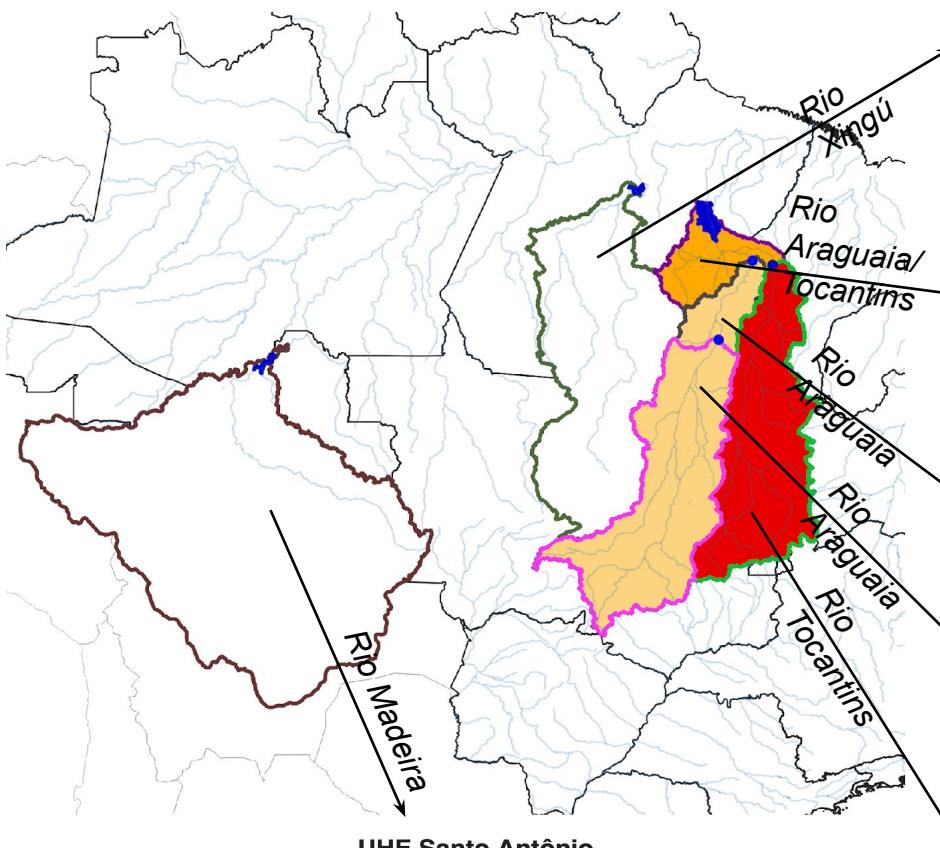
Julho/2025



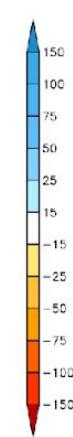
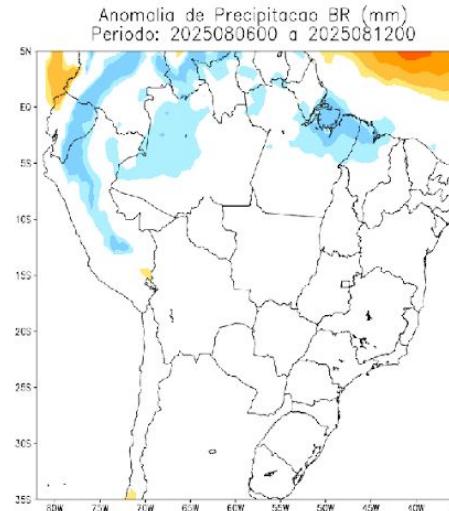
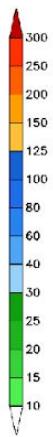
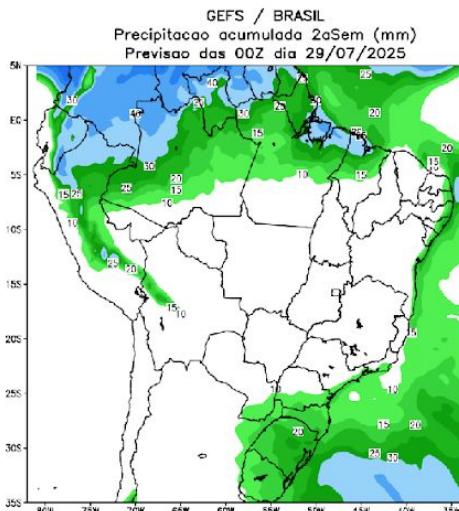
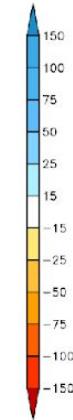
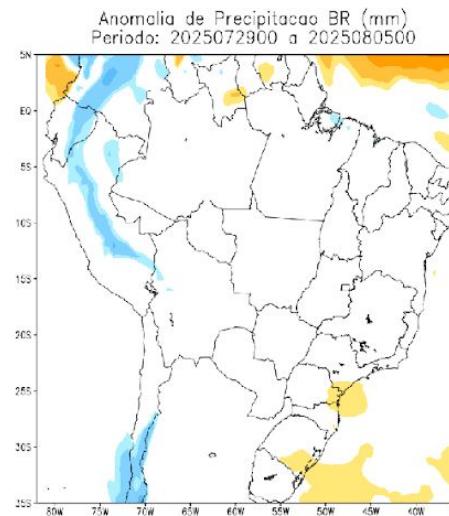
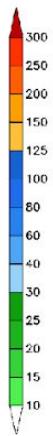
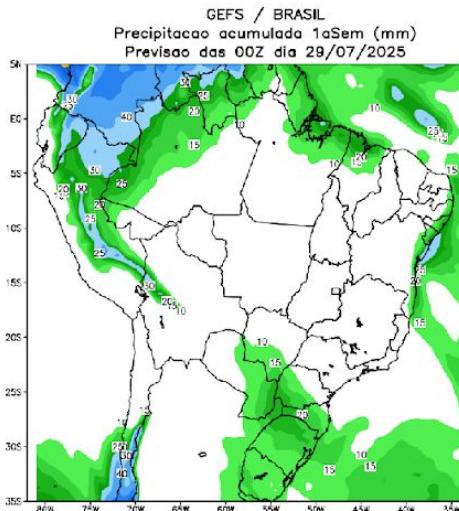
Índice Bivariado de Seca (Precipitação-Cota/Vazão) - TSI

Escala de Curto Prazo: TSI-6 meses

Julho/2025



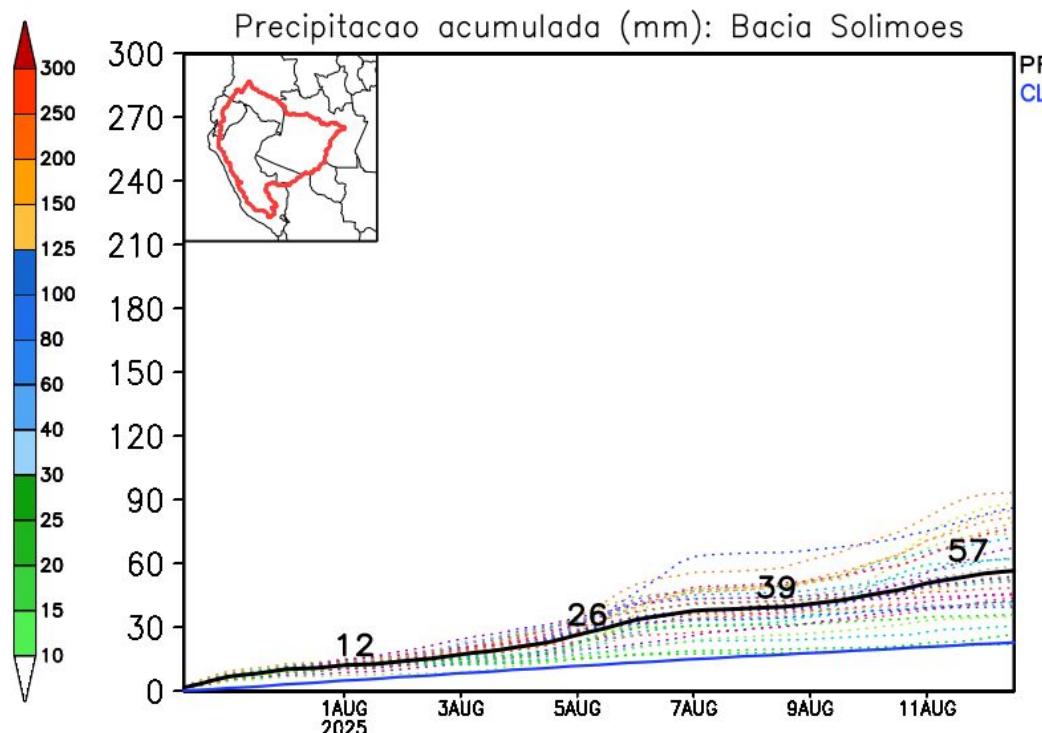
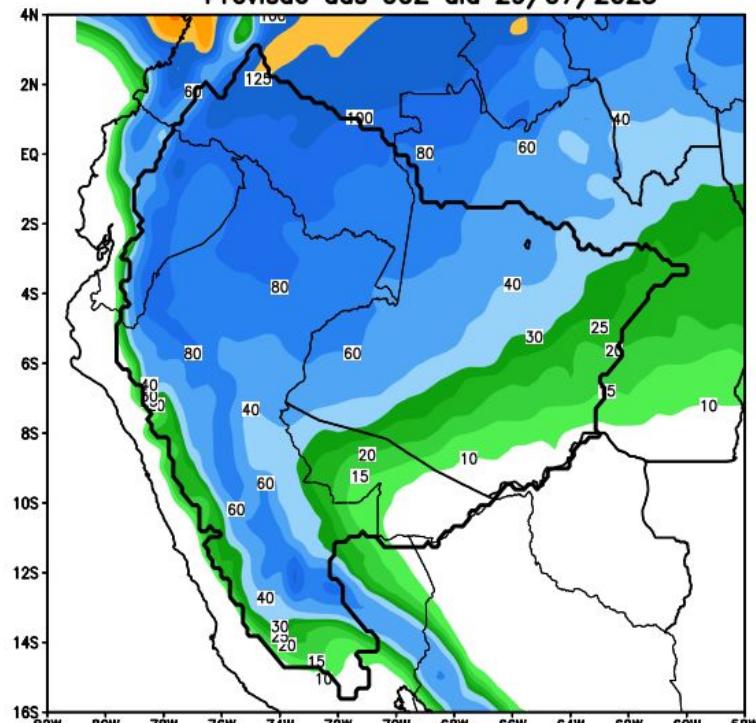
Previsão de chuva próximas duas semanas



Previsão de chuva próximas duas semanas

Rio Solimões

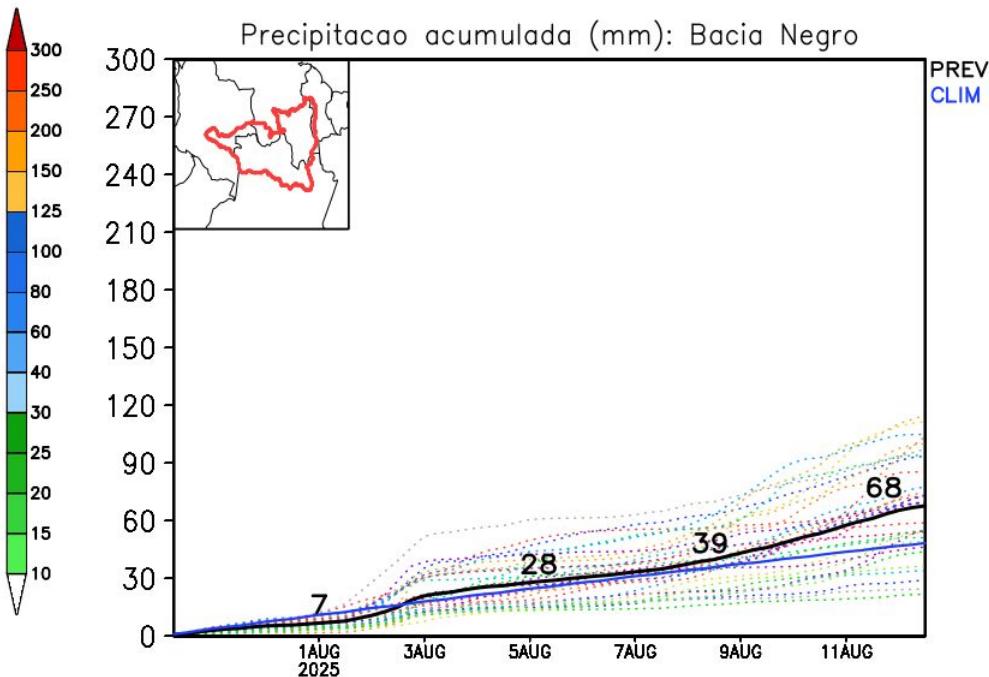
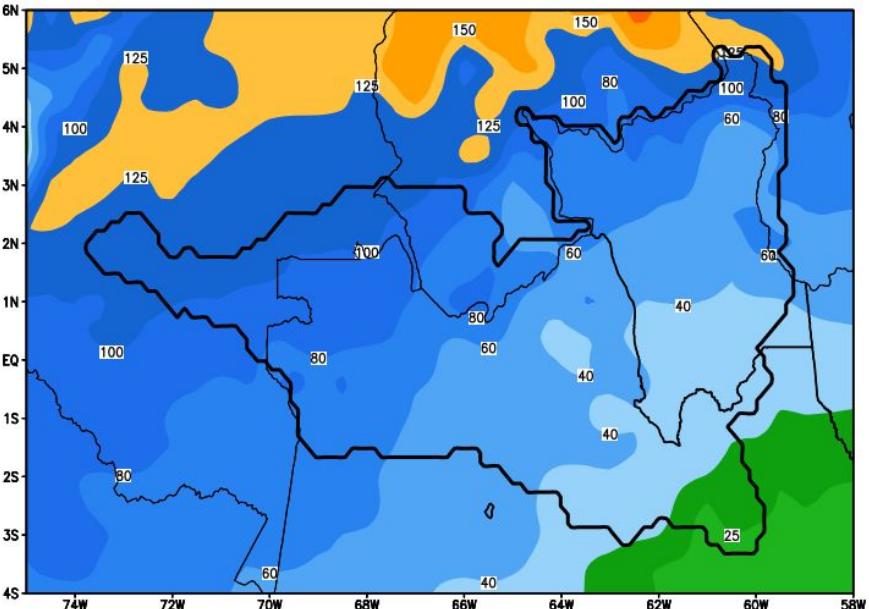
GEFS / Bacia do Rio Solimões
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 29/07/2025



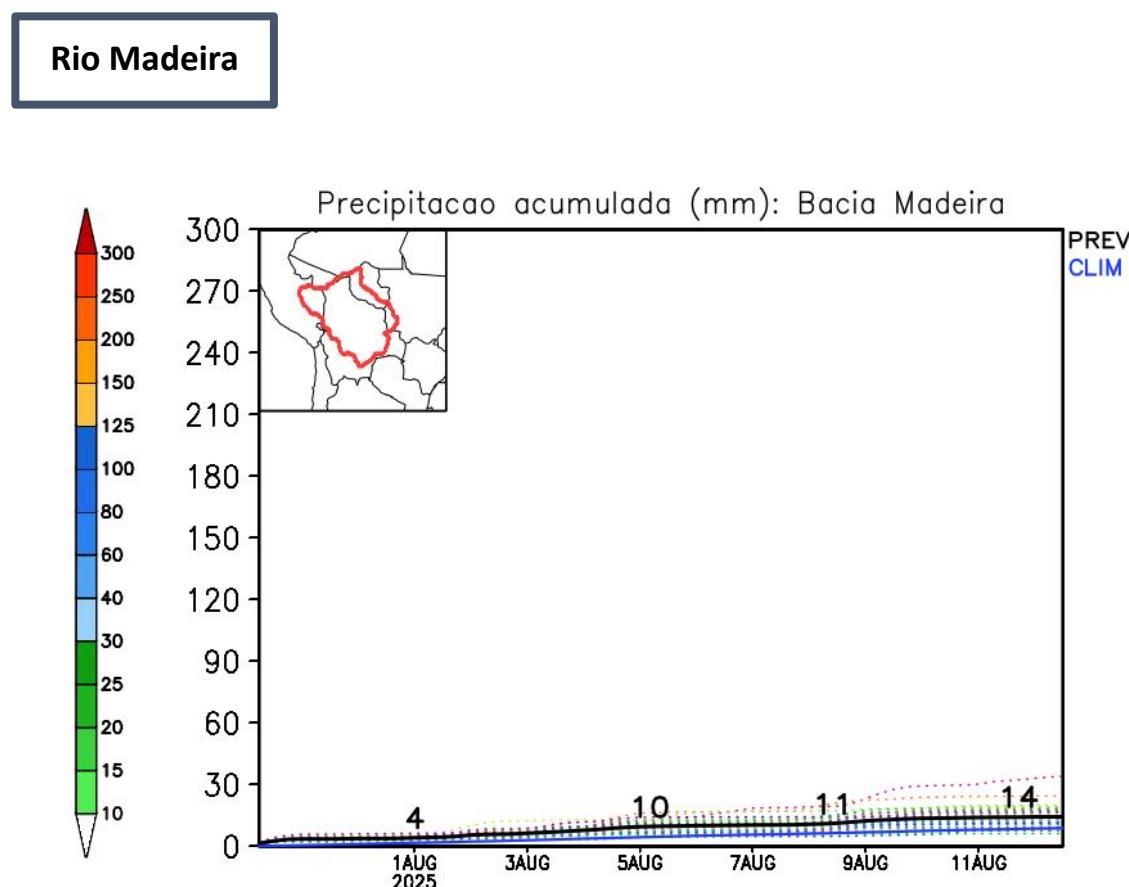
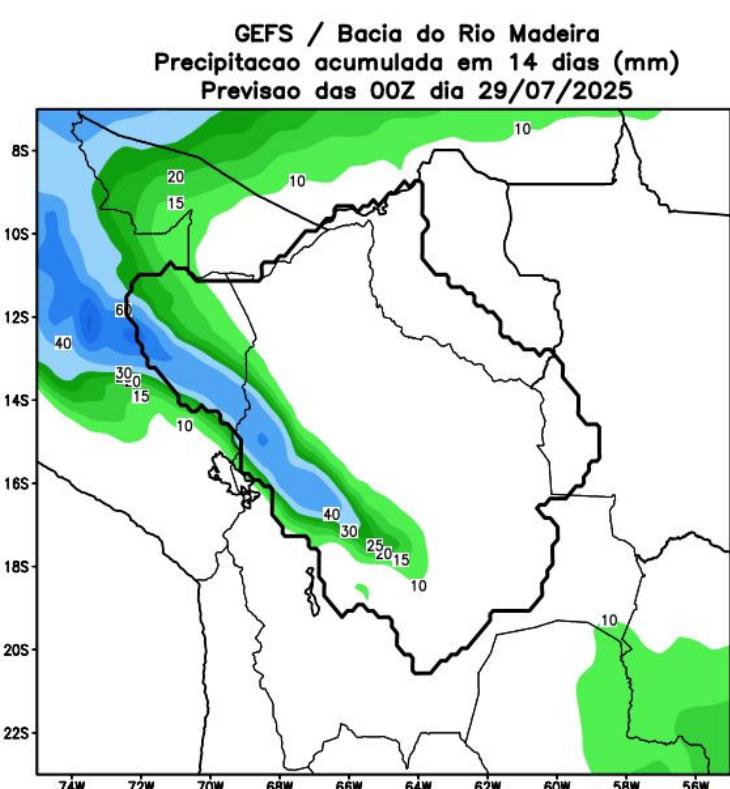
Previsão de chuva próximas duas semanas

Rio Negro

GEFS / Bacia do Rio Negro
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 29/07/2025



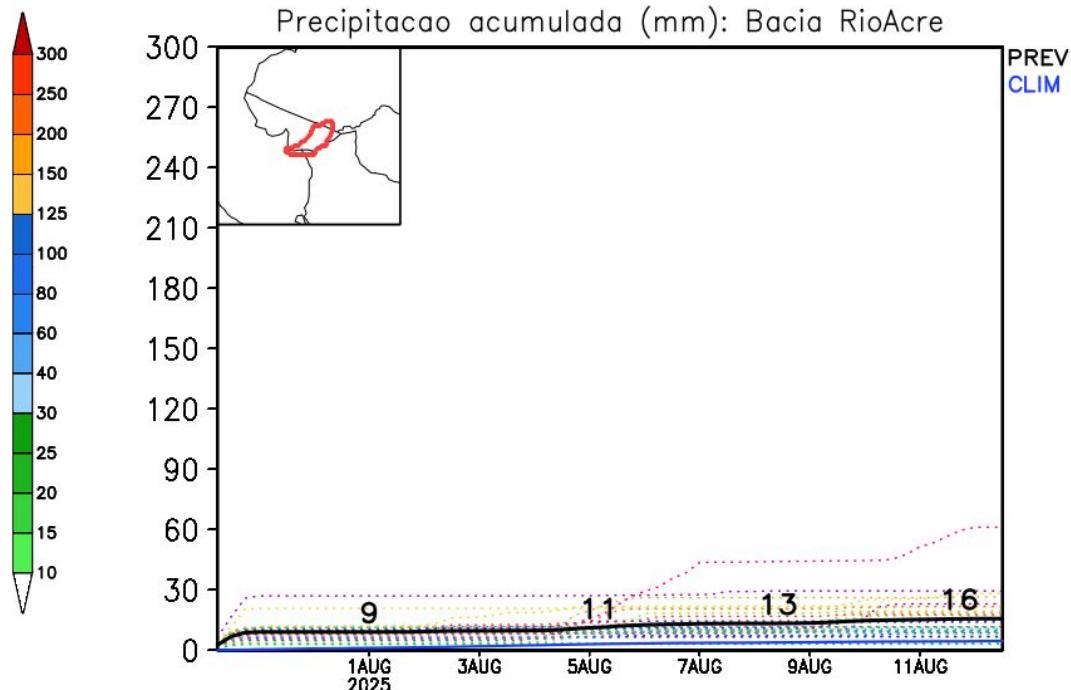
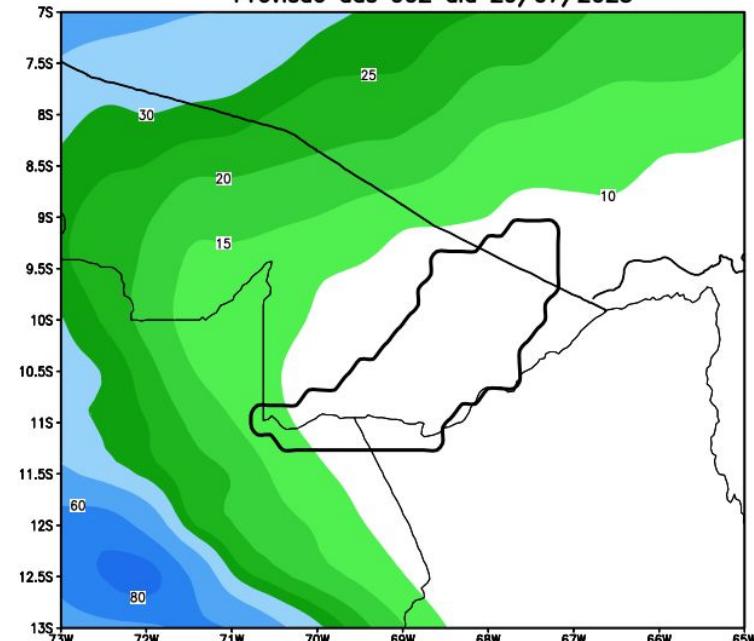
Previsão de chuva próximas duas semanas



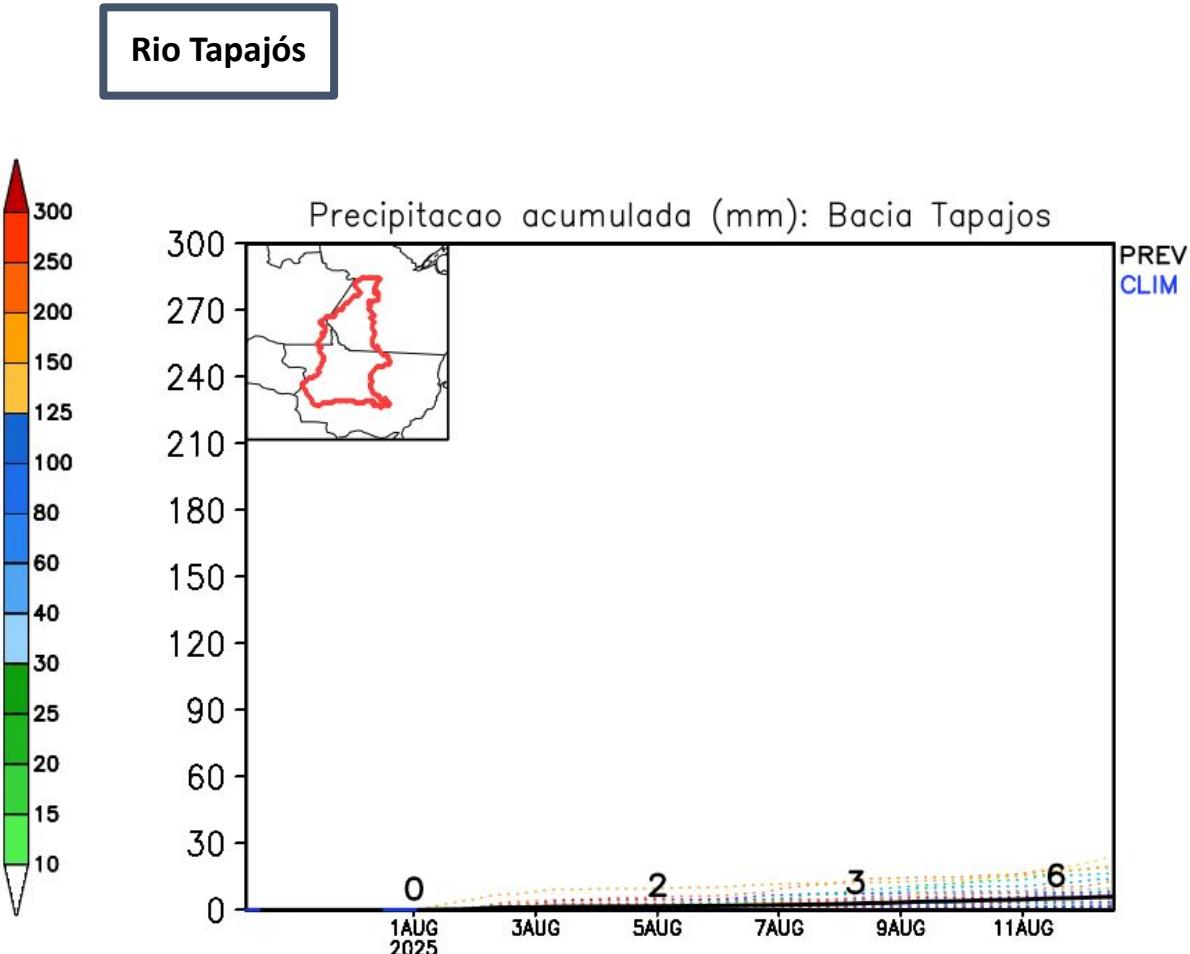
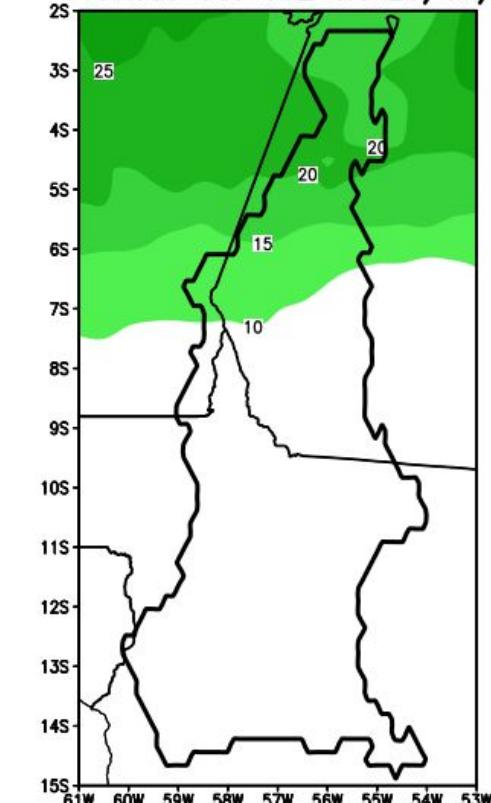
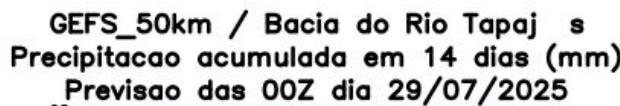
Previsão de chuva próximas duas semanas

Rio Acre

GEFS / Bacia do Rio Acre
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 29/07/2025



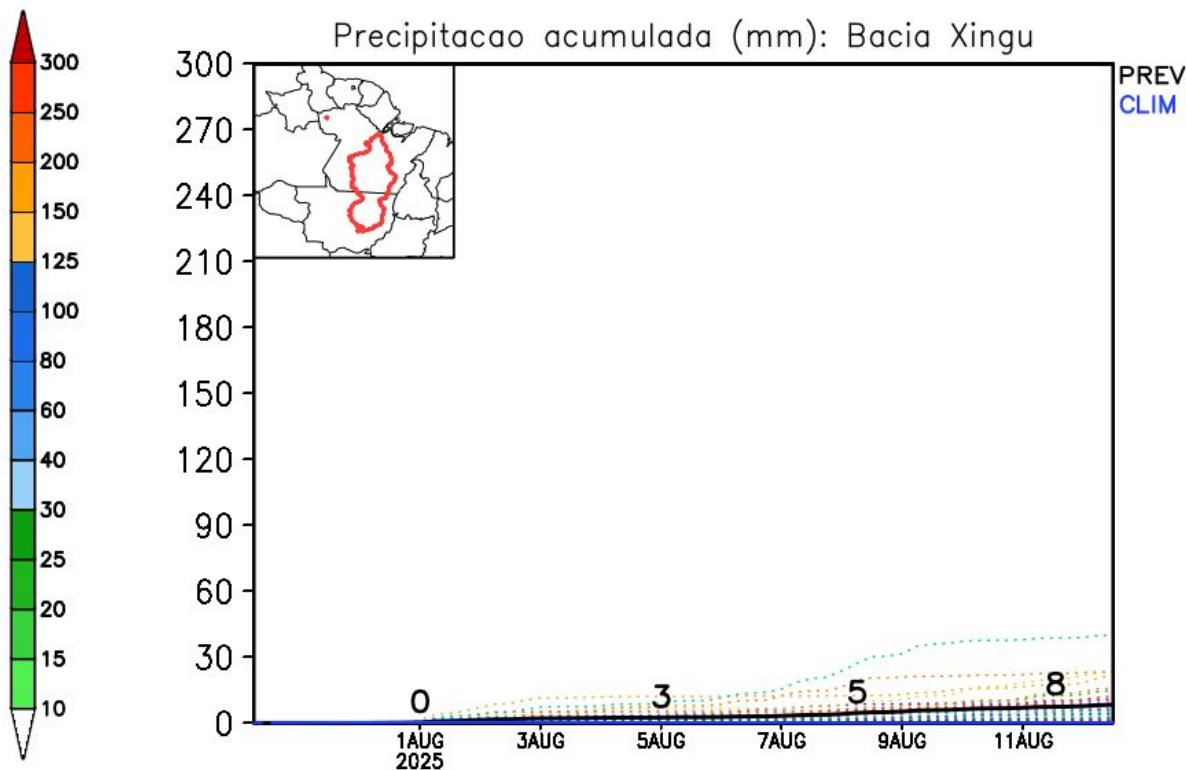
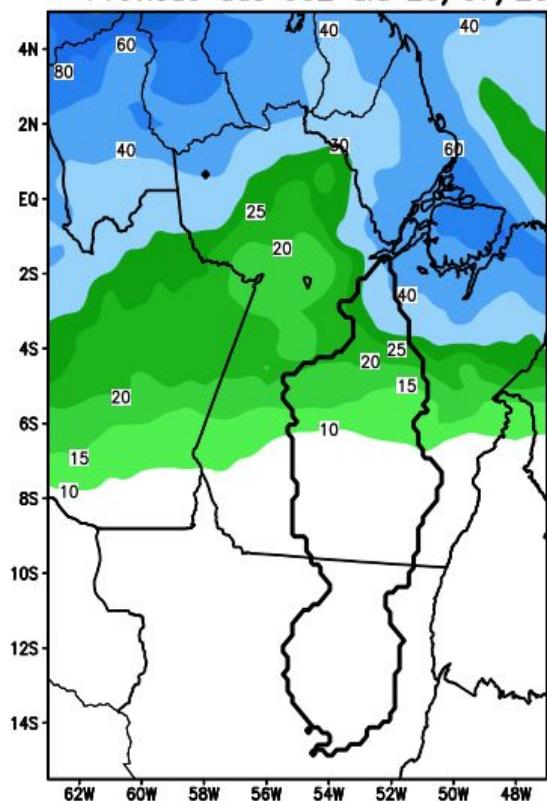
Previsão de chuva próximas duas semanas



Previsão de chuva próximas duas semanas

Rio Xingu

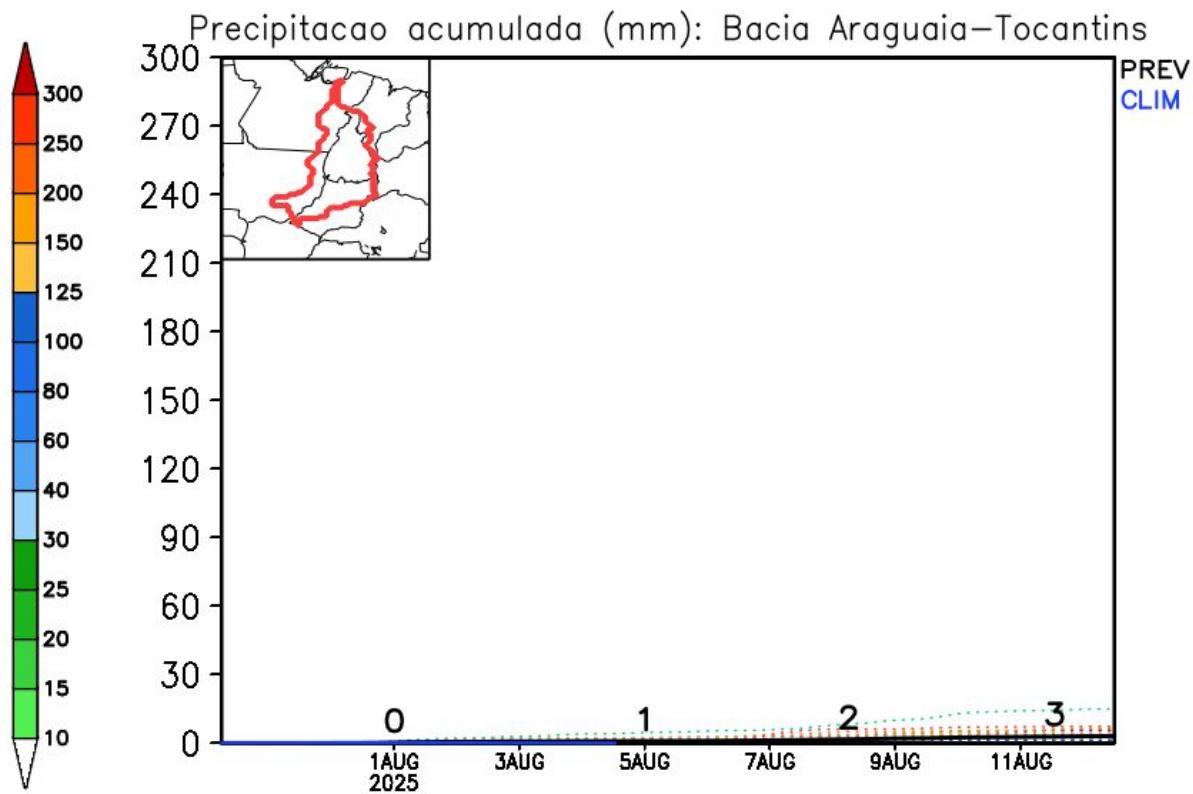
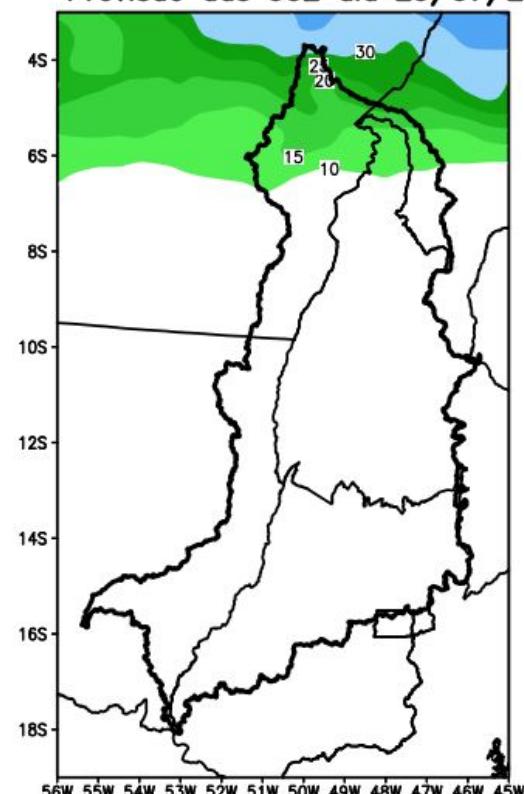
GEFS / Xingu
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 29/07/2025



Previsão de chuva próximas duas semanas

Rio Araguaia-Tocantins

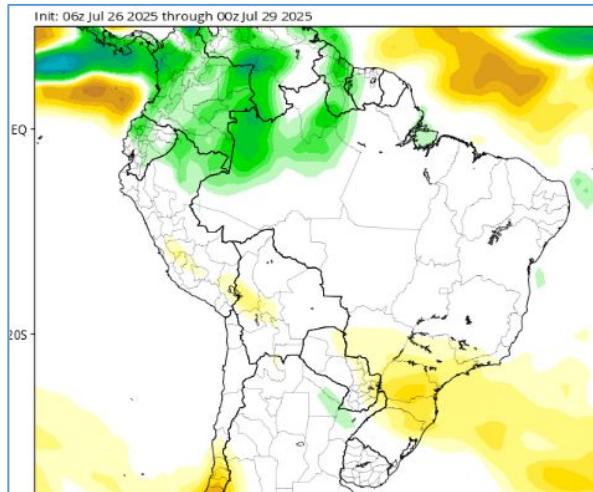
GEFS / Bacia Araguaia-Tocantins
Precipitação acumulada em 14 dias (mm)
Previsão das 00Z dia 29/07/2025



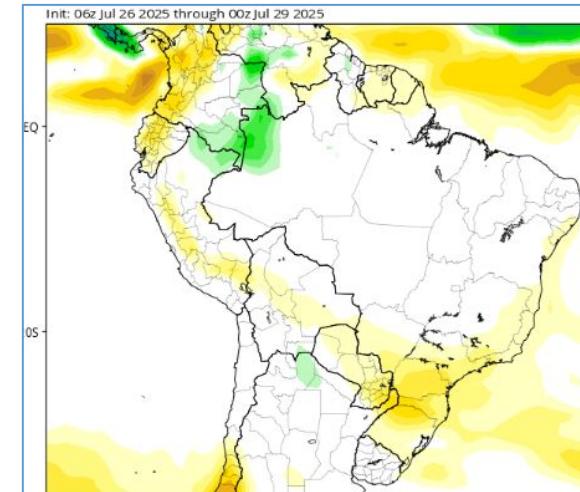
Tendência 3a e 4a semanas

CFS/NOAA

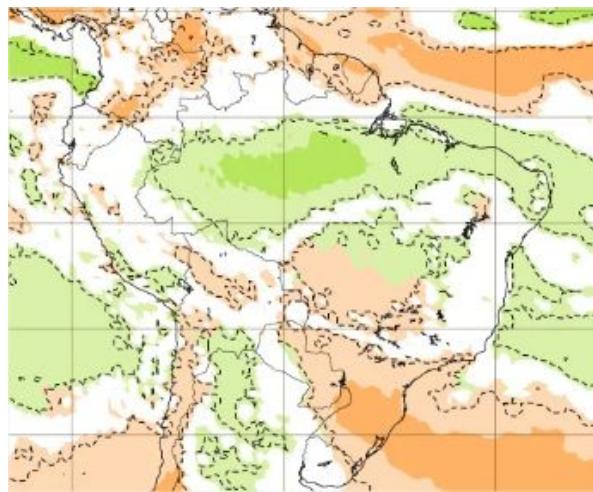
12-19 Ago



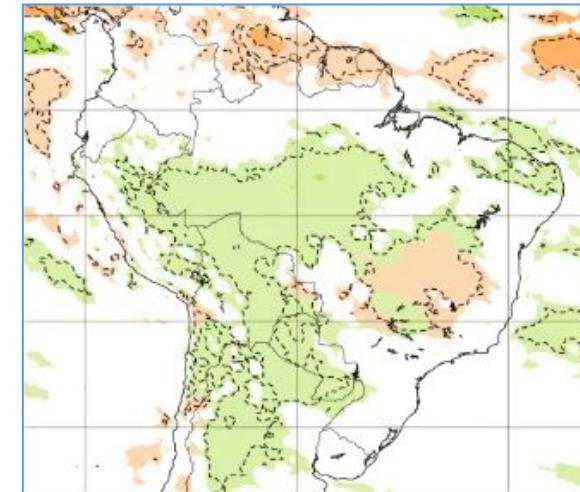
19-26 Ago



ECMWF



11-18 Ago

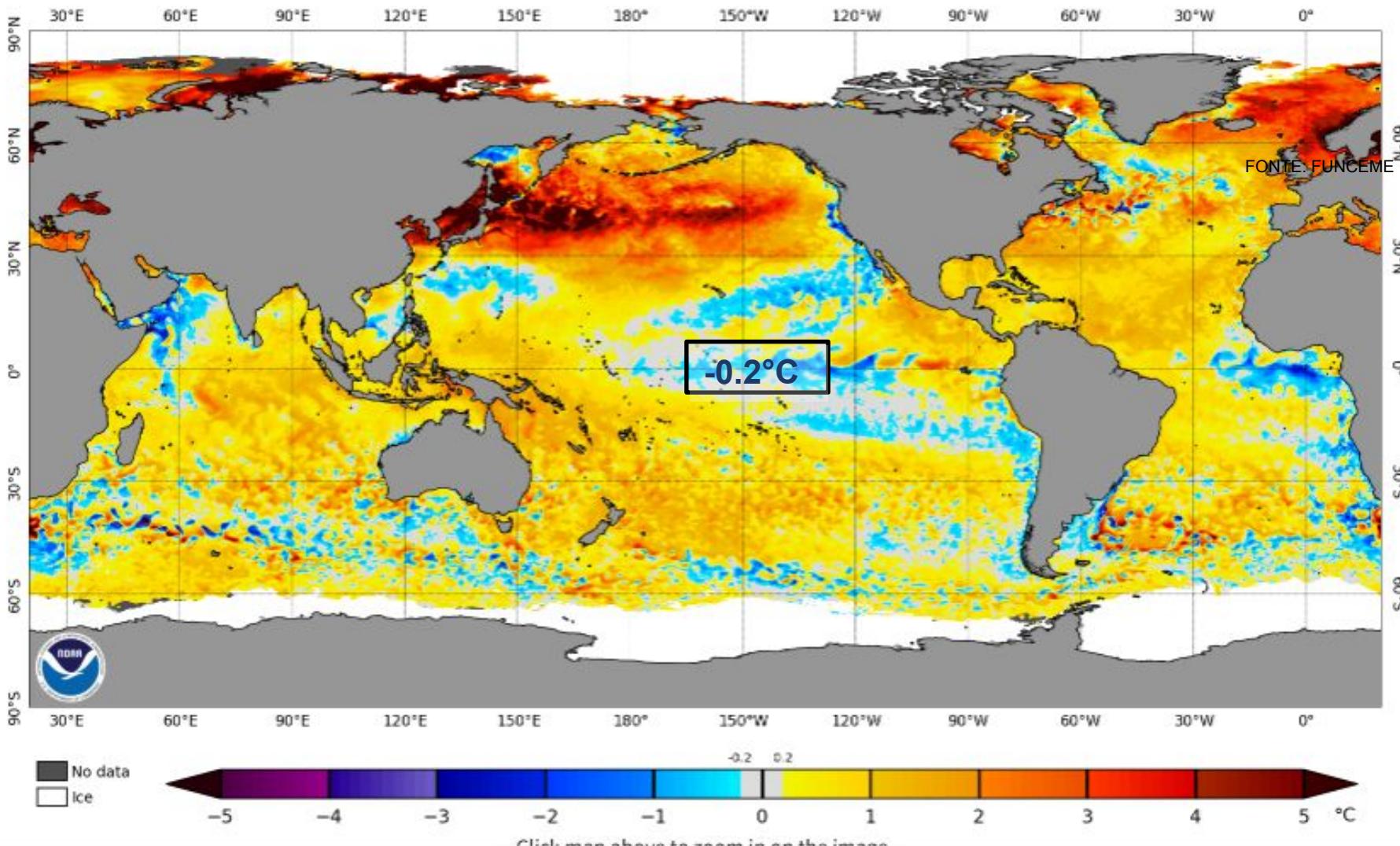


18-25 Ago



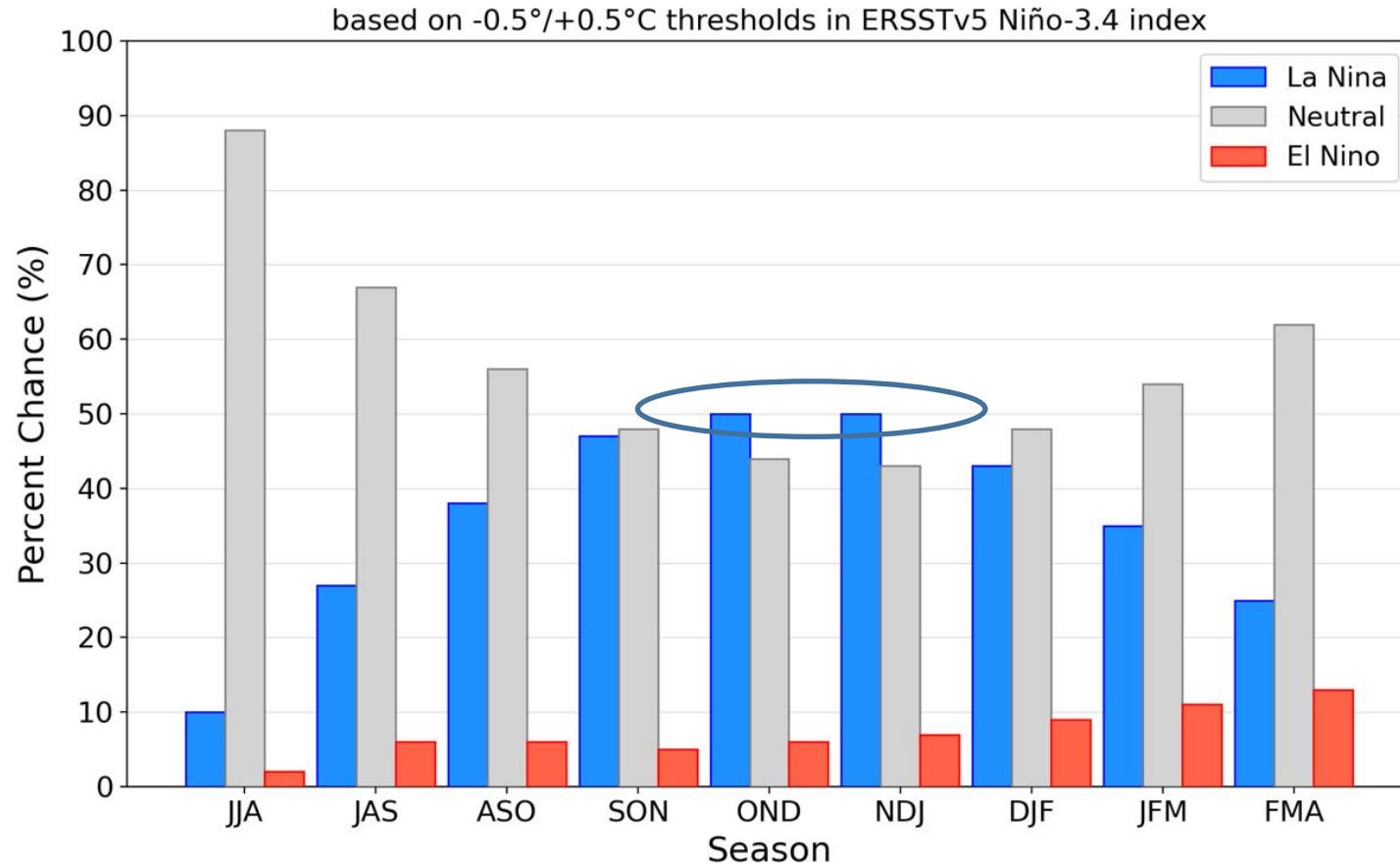
Status Atual: Neutralidade

NOAA Coral Reef Watch Daily 5km SST Anomalies (v3.1) 27 Jul 2025



Previsão do “ENSO”

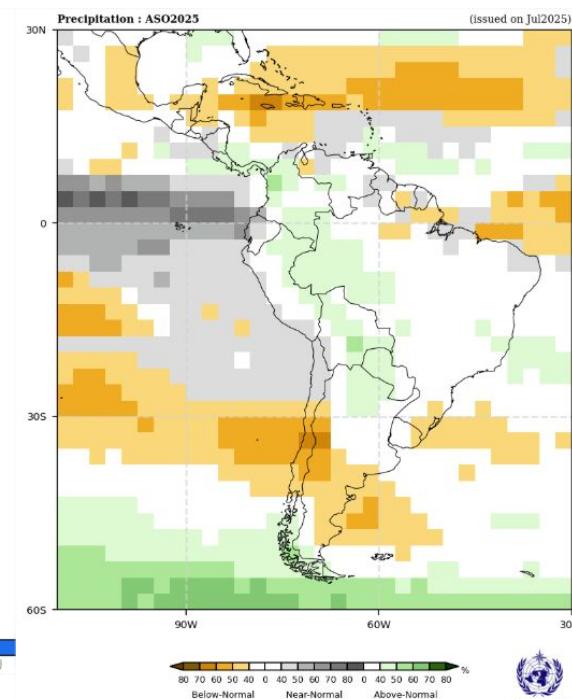
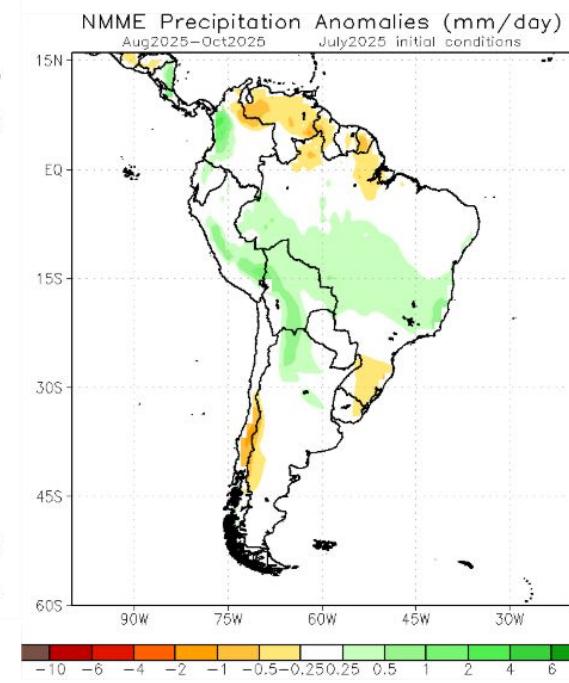
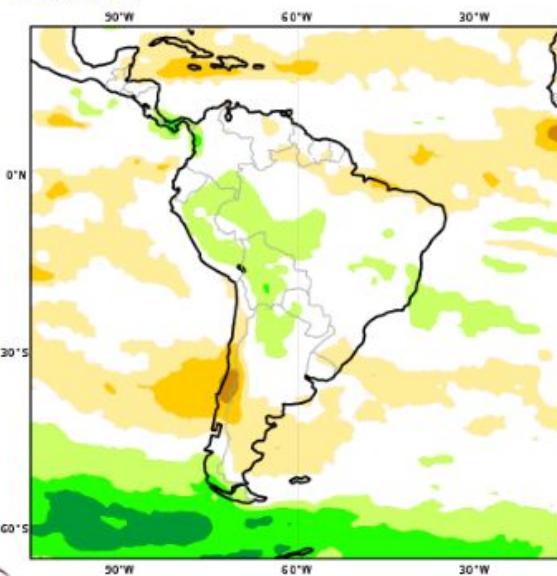
Official NOAA CPC ENSO Probabilities (issued July 2025)



Previsão Sazonal de Chuva Multi-Modelo

Agosto-Setembro-Outubro

C3S multi-system seasonal forecast
Prob(most likely category of precipitation)
Nominal forecast start: 01/07/25
Unweighted mean



Modelos “Europeus”

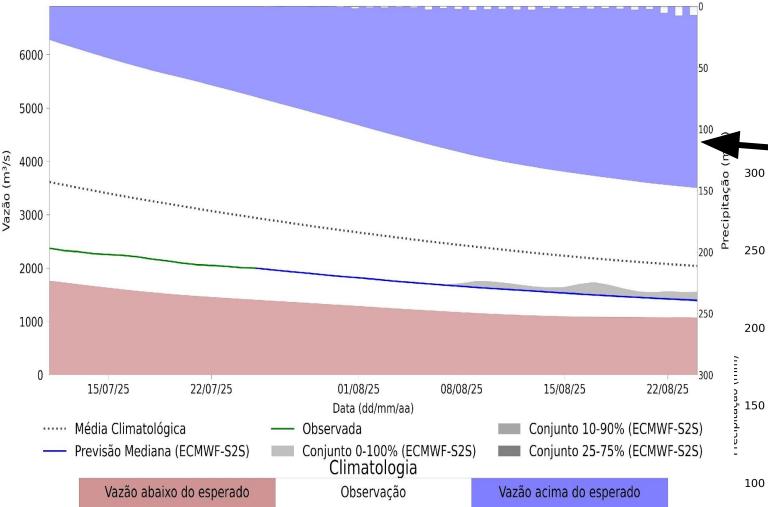
Modelos Norte Americanos

Modelos da WMO

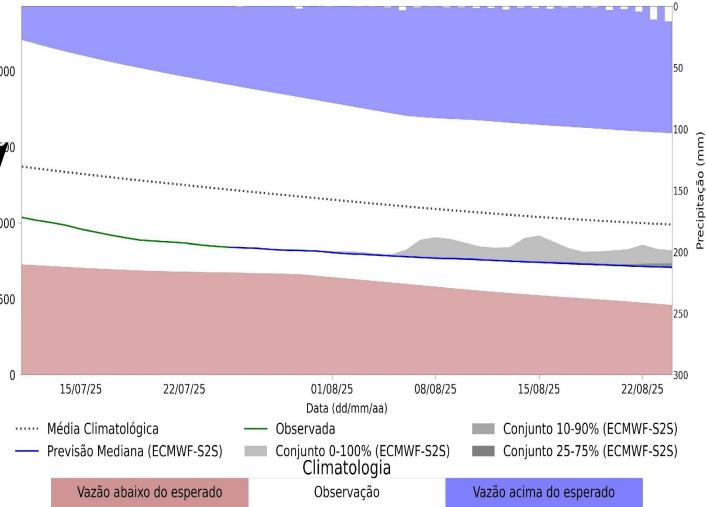
Previsão de vazão natural na Bacia Rio Tocantins-Araguaia 30 dias (Modelo hidrológico MHD)

Previsão: 25/07/2025 a 24/08/2025

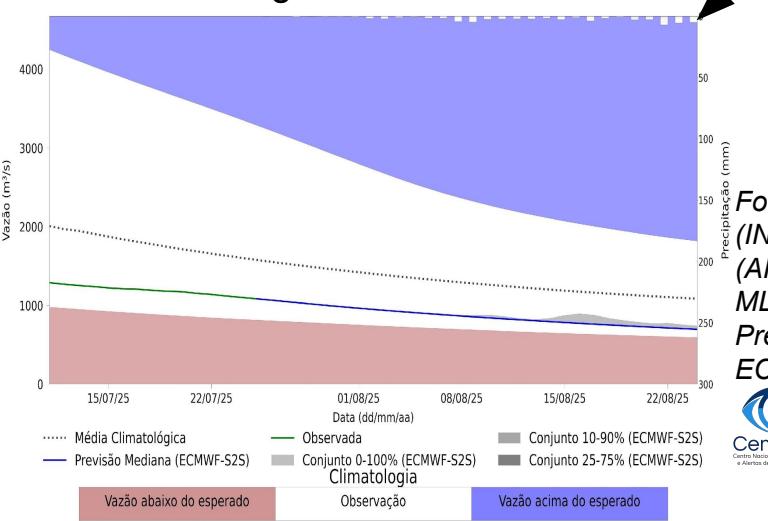
UHE Tucuruí



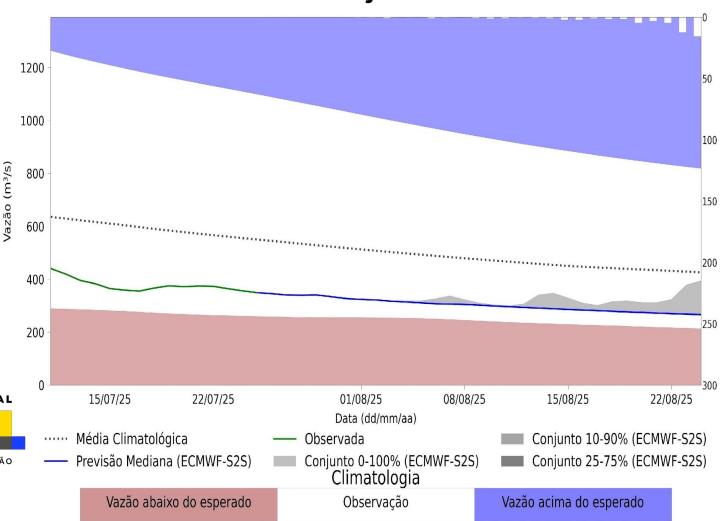
UHE Estreito



Araguatins - TO



UHE Lajeado



Fonte: Meteorologia
(INMET/MERGE); Vazão
(ANA/ONS)
MLT: 1993-2024
Previsão Meteorológica:
ECMWF-S2S



Cemaden
Centro de Monitoramento e Alertas de Desastres Naturais

MINISTÉRIO DA
CIÊNCIA, TECNOLOGIA
E INovação

GOVERNO FEDERAL
BRASIL
UNIÃO E RECONSTRUÇÃO

Vazão abaixo do esperado Observação Vazão acima do esperado

Vazão abaixo do esperado Observação Vazão acima do esperado

Previsões Hidrológicas para Bacias da Região Norte

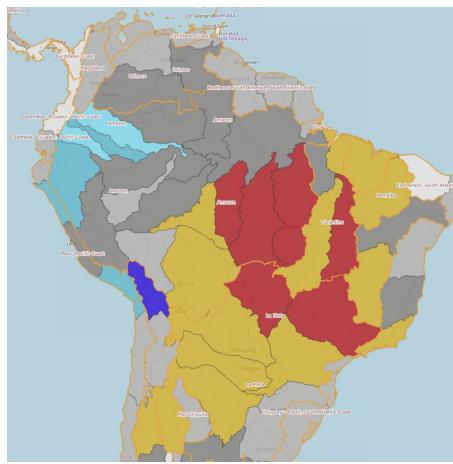
Márcio A. E. Moraes
Pesquisador Titular



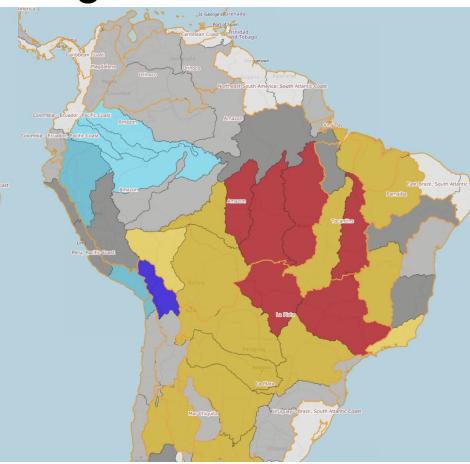
24 de junho de
2025

Previsão Sazonal

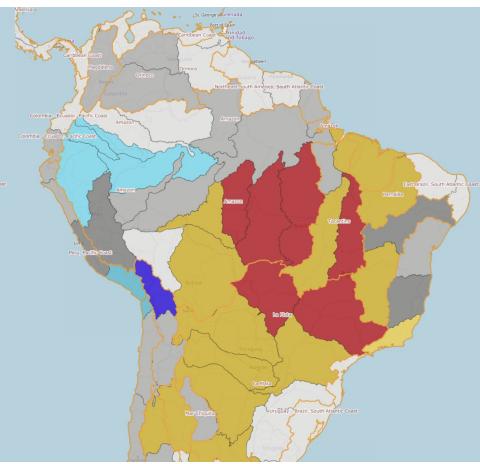
Julho



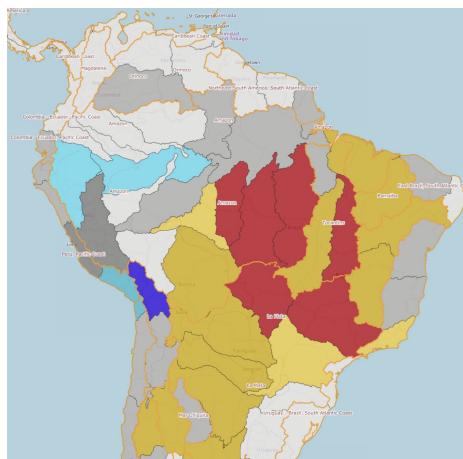
Agosto



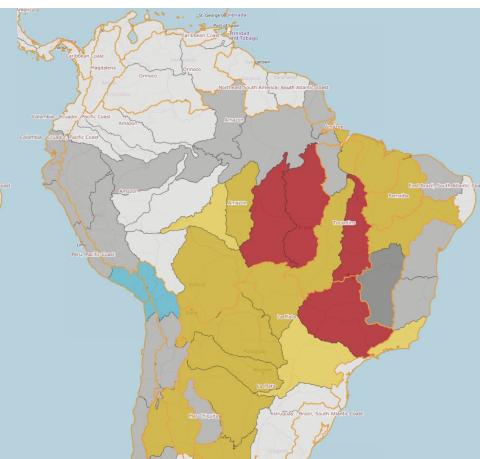
Setembro



Outubro



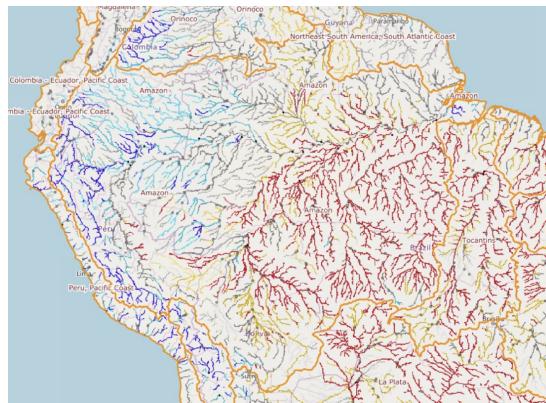
Novembro



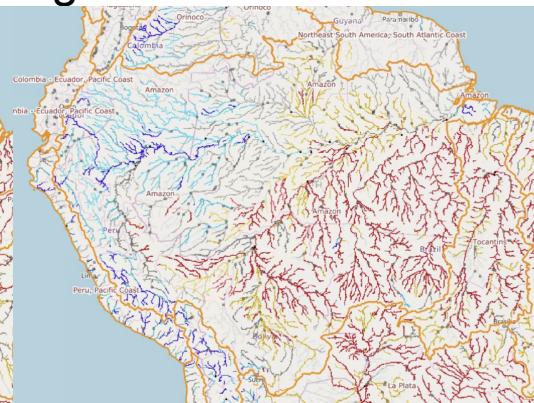
Anomaly category (rank-mean)	Uncertainty category (rank-std)		
Extreme Low (1-10)	Low (10-25)	Medium (10-20)	High (20+)
Extreme Low (1-10)	Low (0-10)	Medium (10-20)	High (20+)
Low (10-25)	Low (0-10)	Medium (10-20)	High (20+)
Near Normal (25-75)	Bit low (25-40)	Normal (40-60)	Bit high (60-75)
High (75-90)	Low (0-10)	Medium (10-20)	High (20+)
Extreme high (90-100)	Low (0-10)	Medium (10-20)	High (20+)

Previsão Sazonal

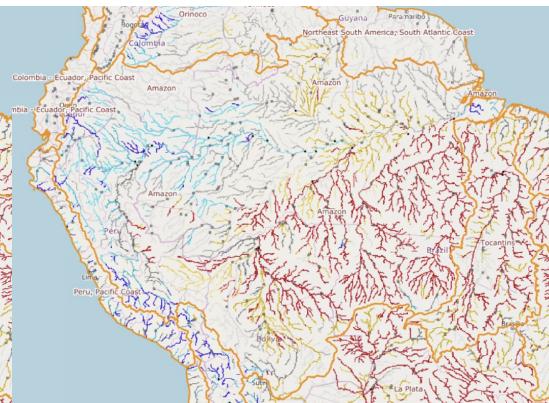
Julho



Agosto



Setembro



Outubro

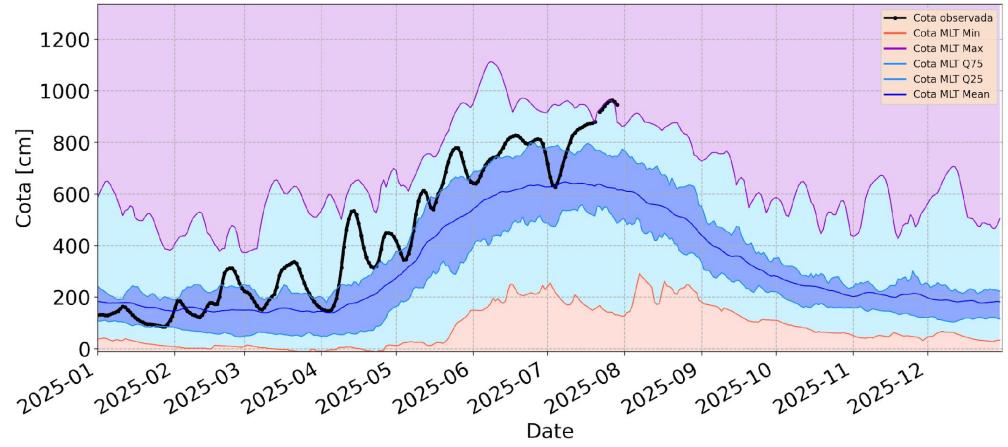


Novembro

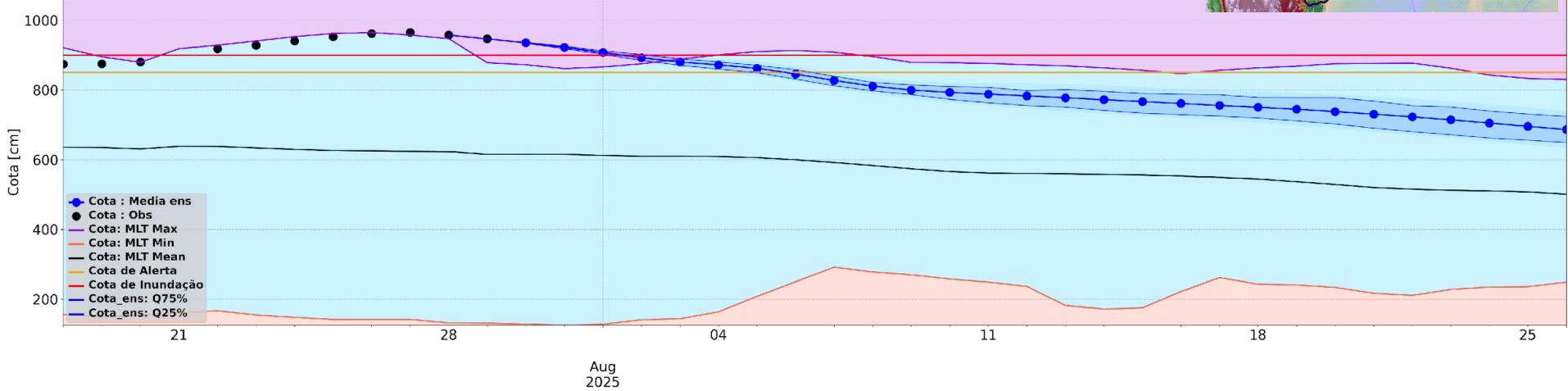


	Anomaly category (rank-mean)	Uncertainty category (rank-std)	
Extreme Low (1-10)	Dark Red	Medium Red	Light Red
Low (10-25)	Dark Gold	Medium Gold	Light Gold
Near Normal (25-75)	Dark Grey	Medium Grey	Light Grey
Bit high (60-75)	Dark Teal	Medium Teal	Light Teal
High (75-90)	Dark Blue	Medium Blue	Light Blue
Extreme high (90-100)	Dark Purple	Medium Purple	Light Purple

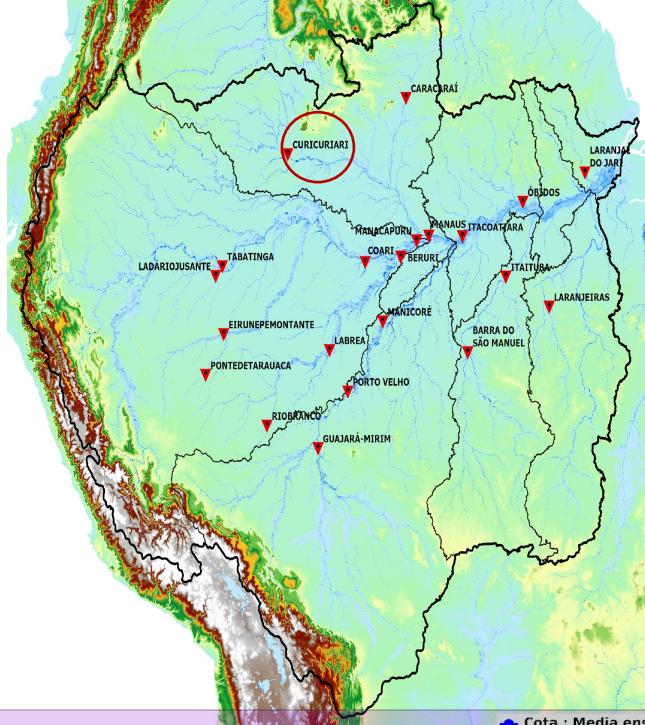
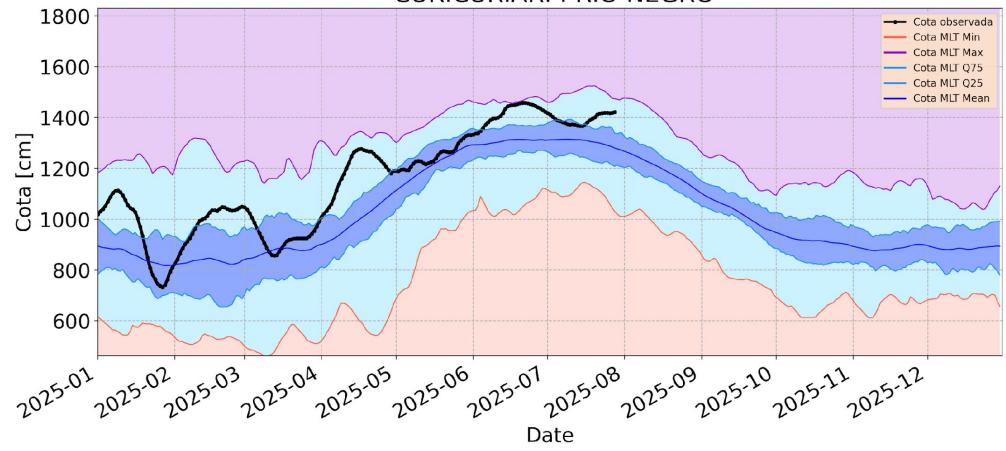
Cota - Climatologia CARACARAI : RIO BRANCO



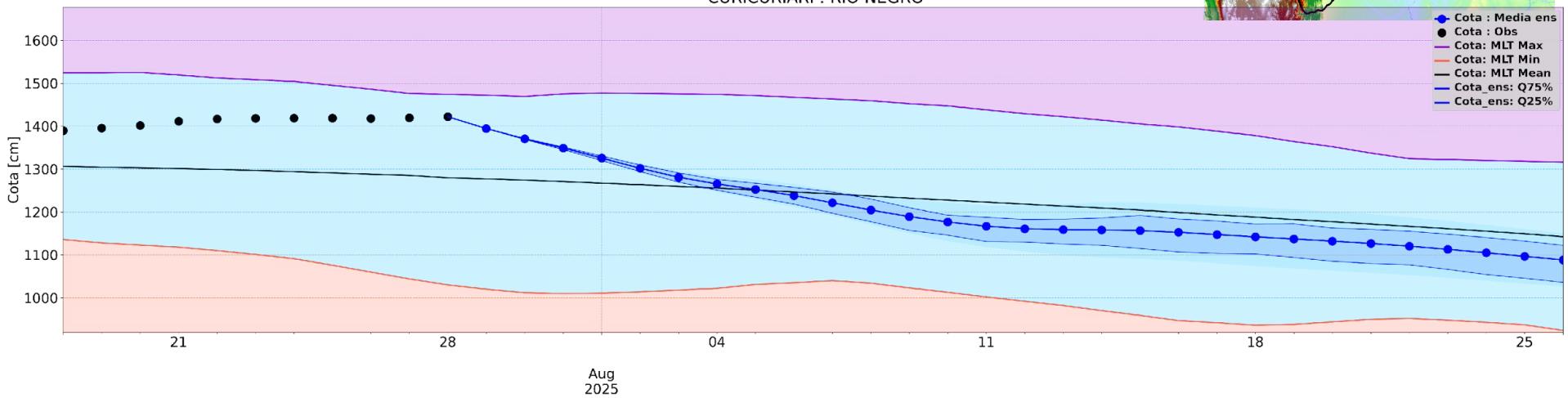
Model Run - 2025-07-28
CARACARAI : RIO BRANCO



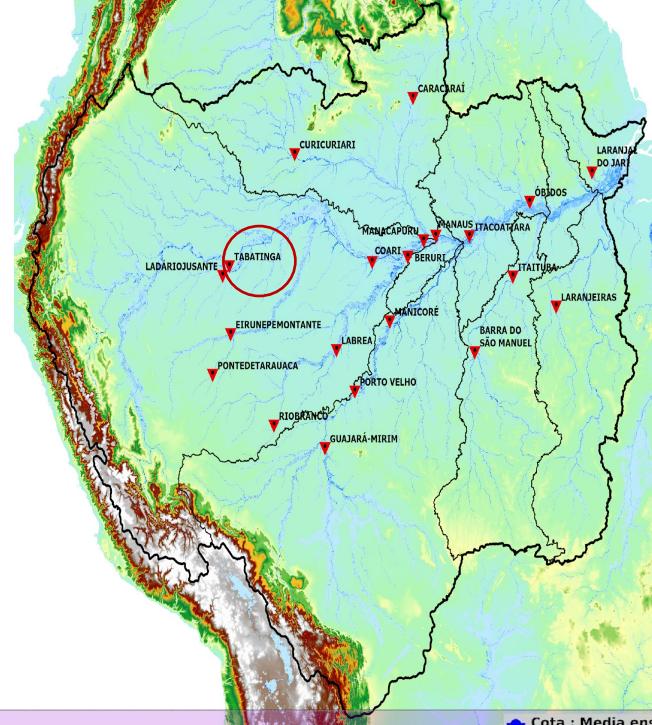
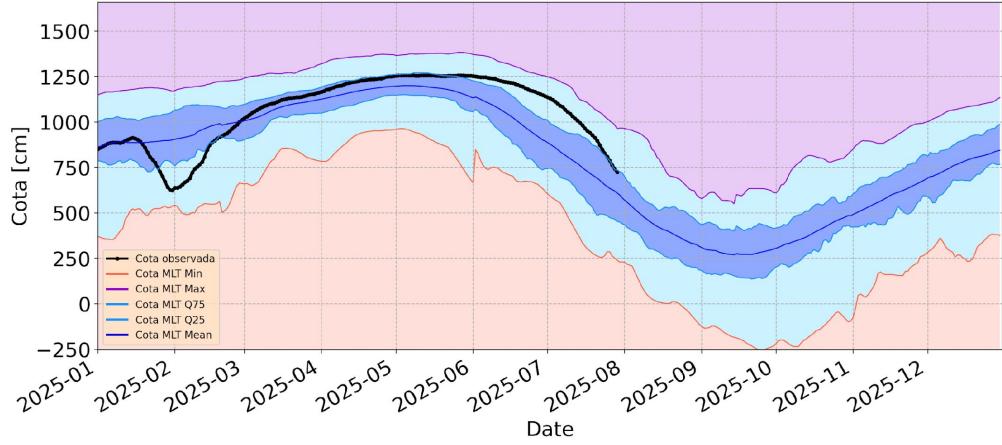
Cota - Climatologia
CURICURIARI : RIO NEGRO



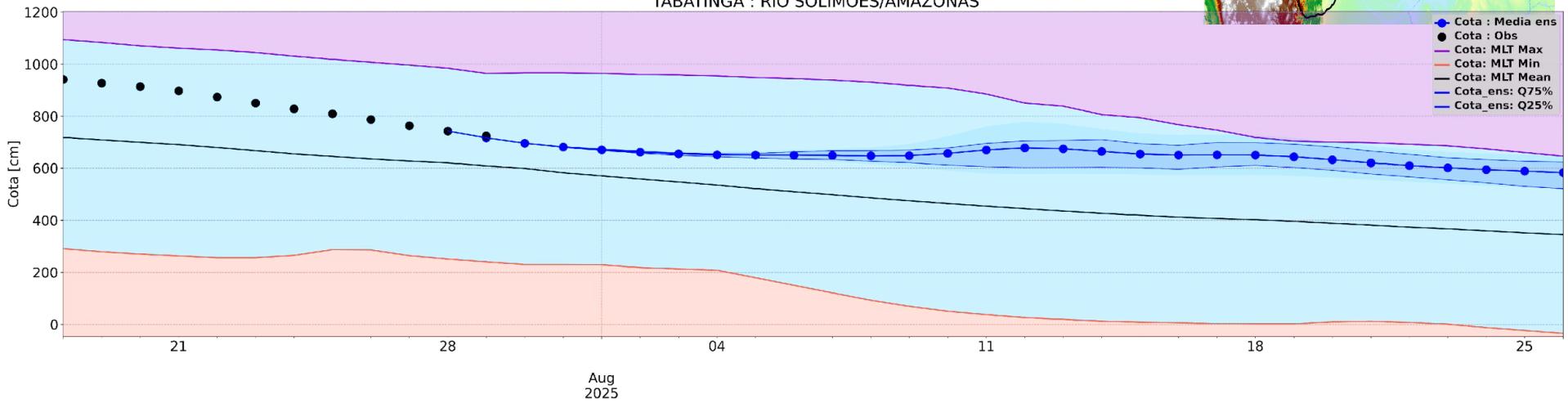
Model Run - 2025-07-28
CURICURIARI : RIO NEGRO



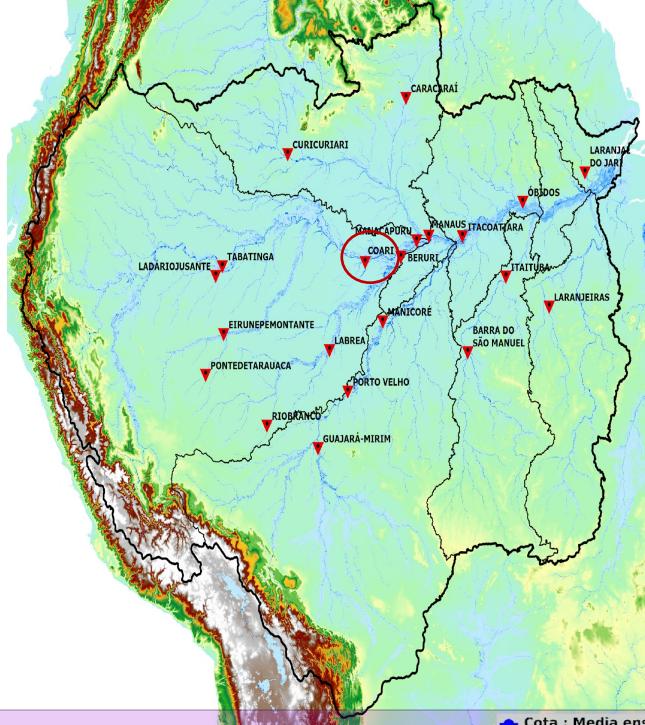
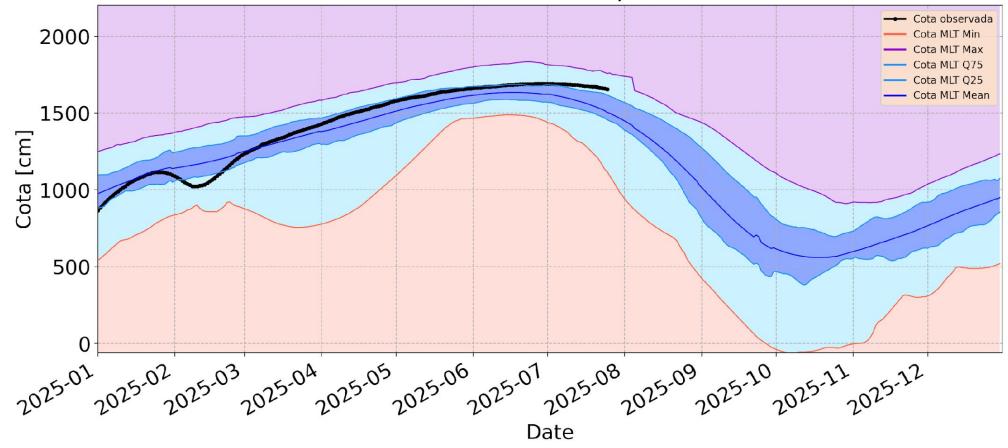
Cota - Climatologia
TABATINGA : RIO SOLIMÕES/AMAZONAS



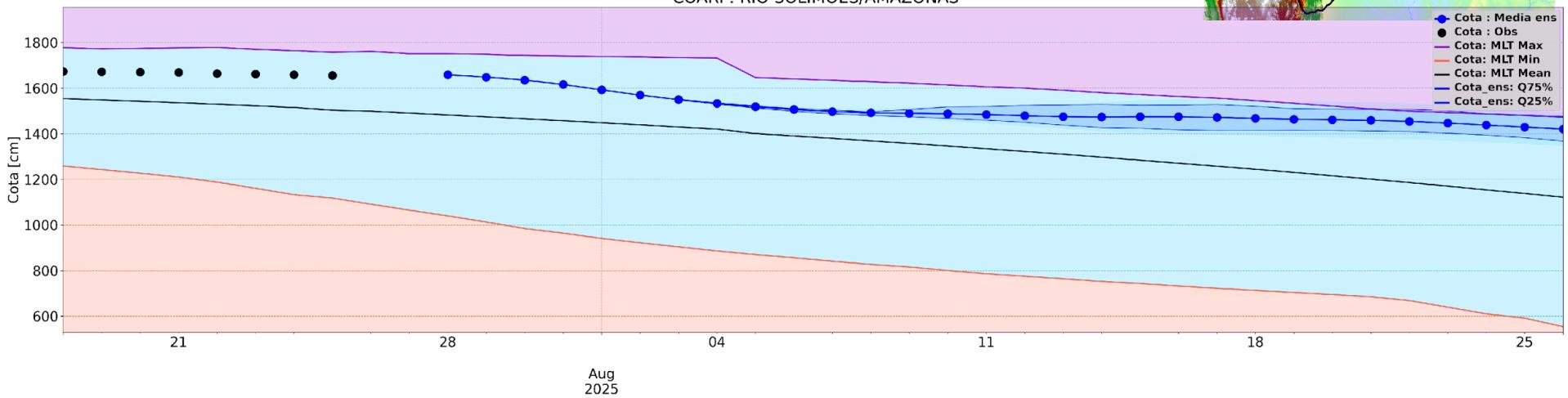
Model Run - 2025-07-28
TABATINGA : RIO SOLIMÕES/AMAZONAS



Cota - Climatologia
COARI : RIO SOLIMÓES/AMAZONAS

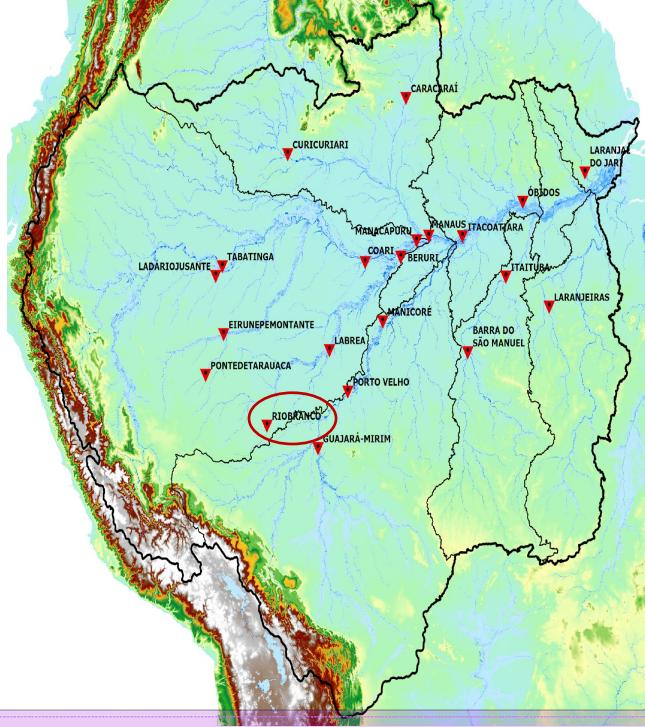
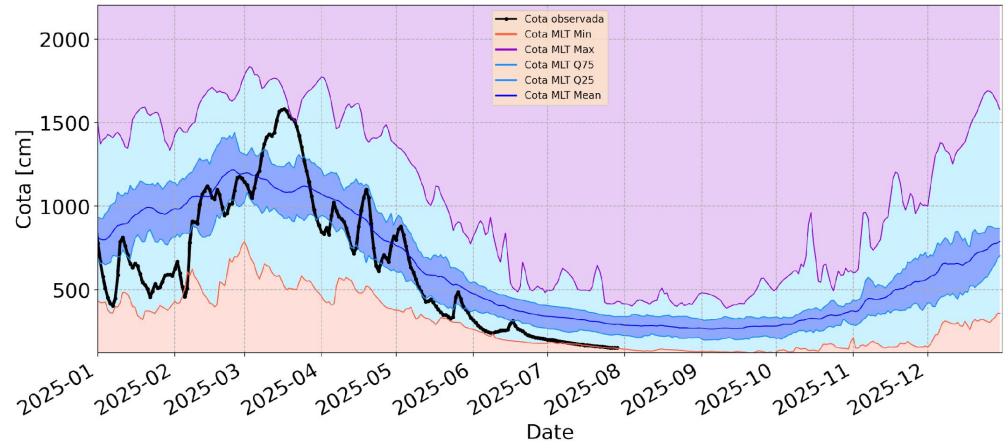


Model Run - 2025-07-28
COARI : RIO SOLIMÓES/AMAZONAS

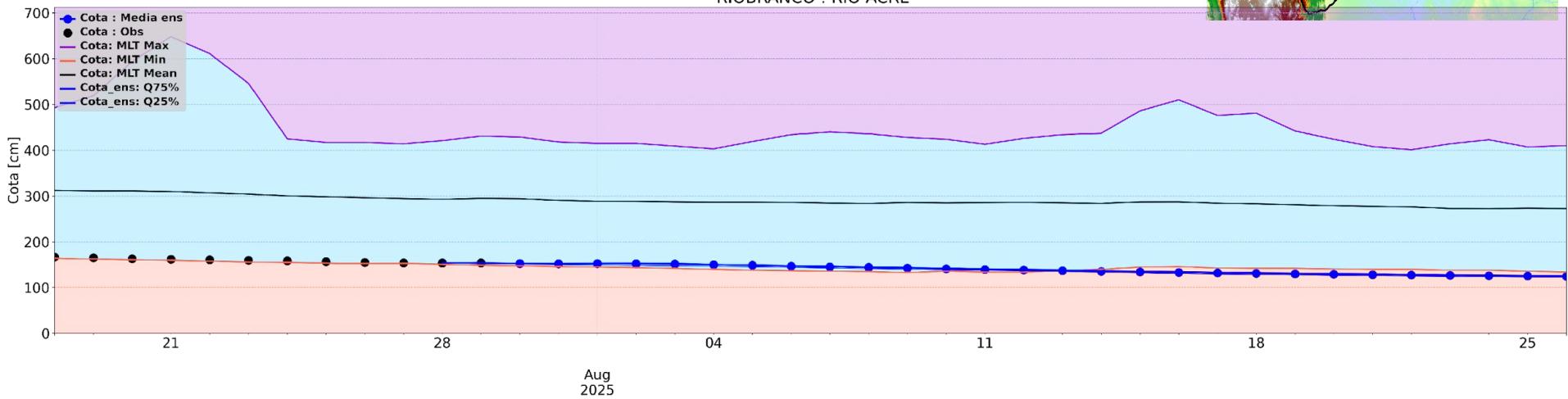


Dados

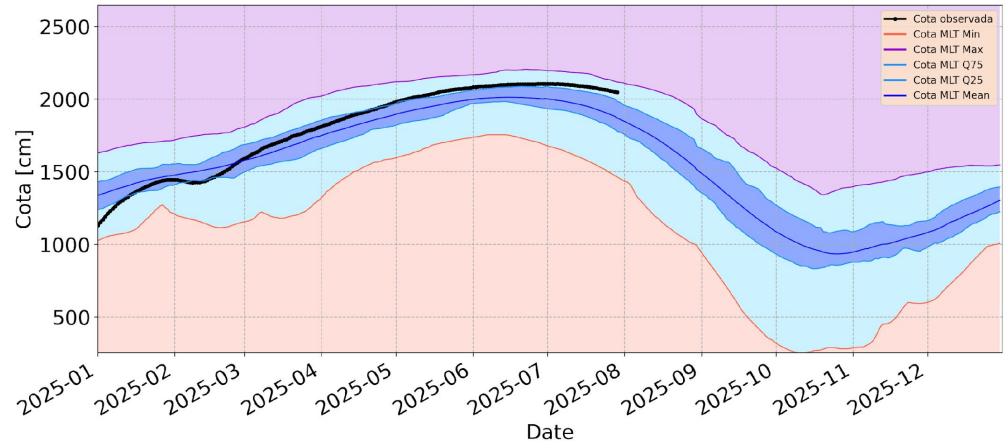
Cota - Climatologia
RIOBRANCO : RIO ACRE



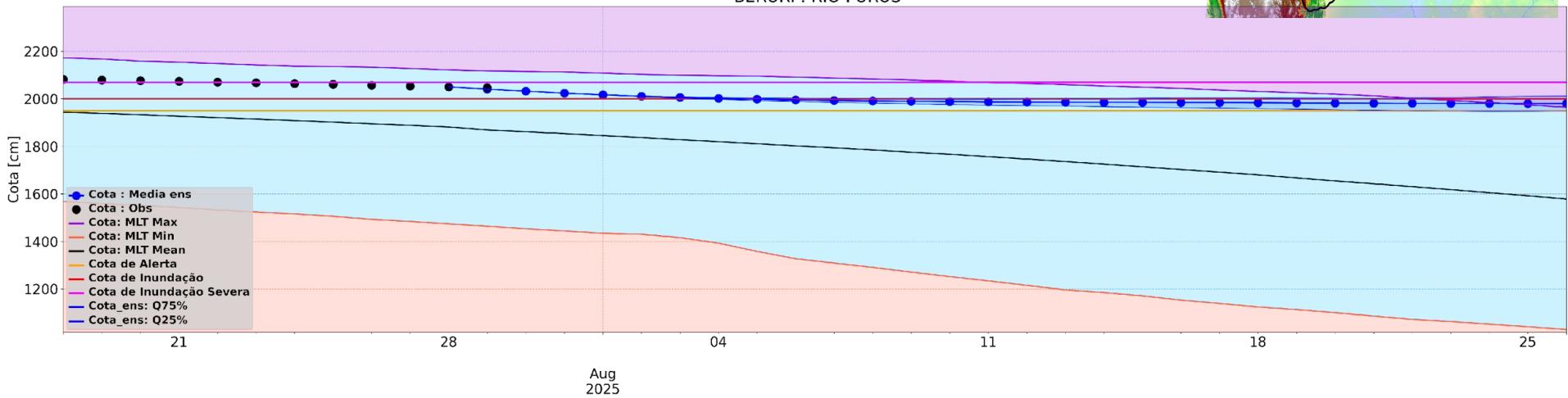
Model Run - 2025-07-28
RIOBRANCO : RIO ACRE



Cota - Climatologia BERURI : RIO PURUS

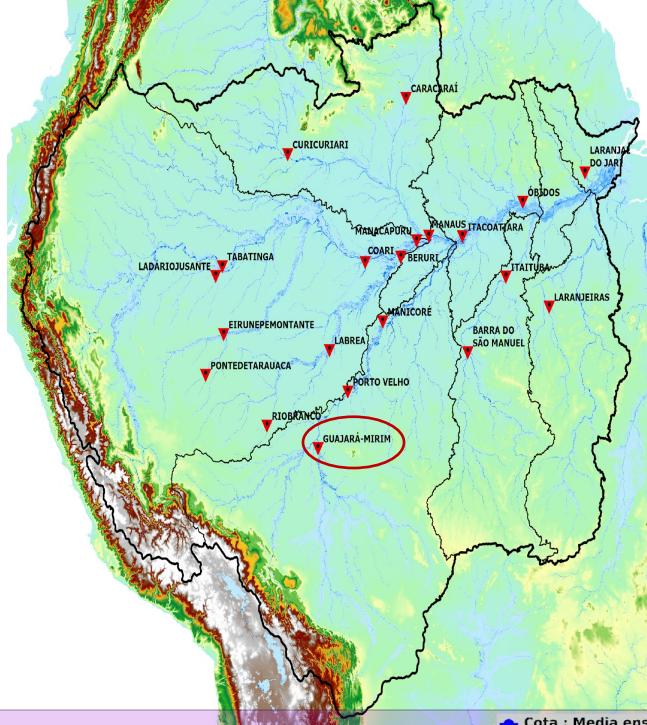
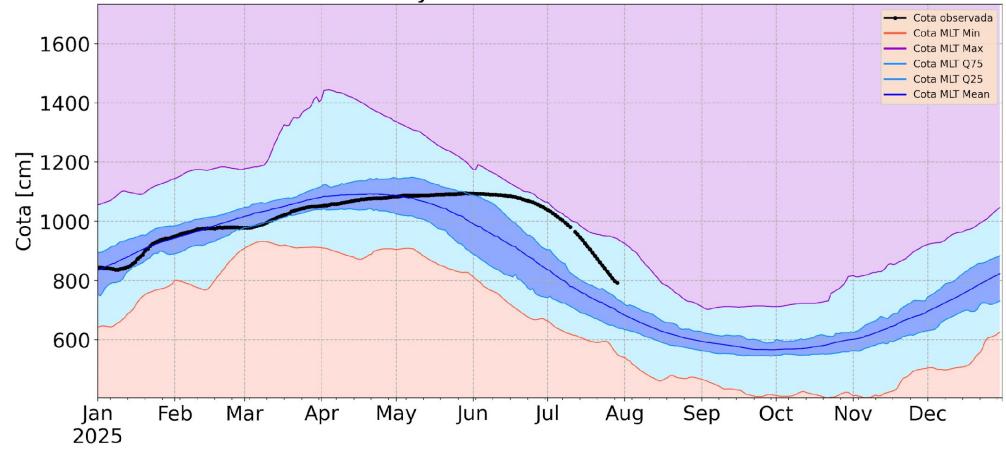


Model Run - 2025-07-28
BERURI : RIO PURUS

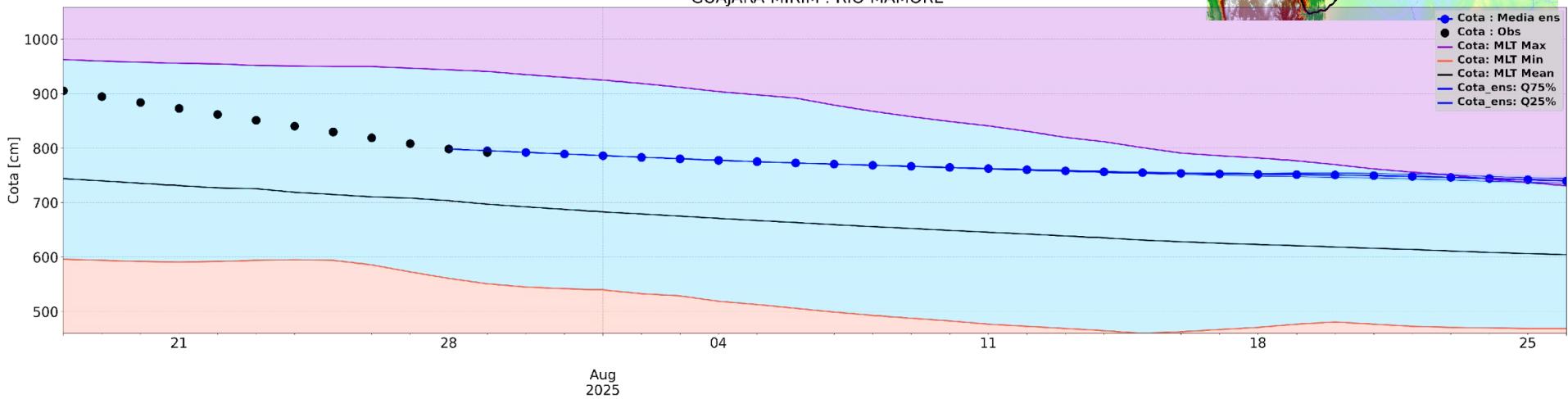


Dados

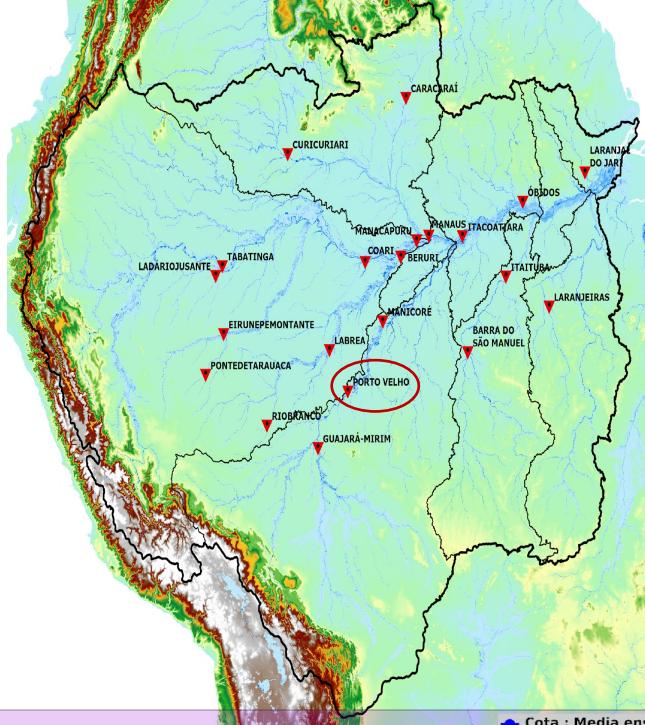
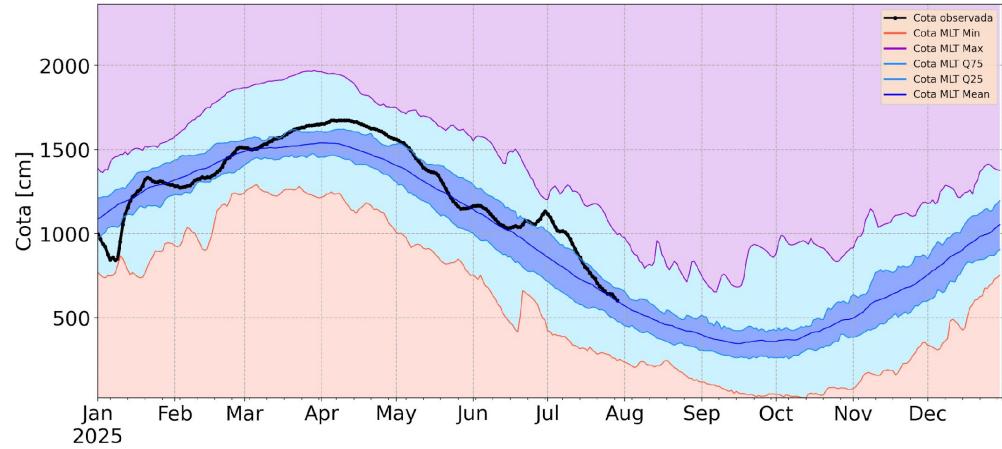
Cota - Climatologia GUAJARA-MIRIM : RIO MAMORE



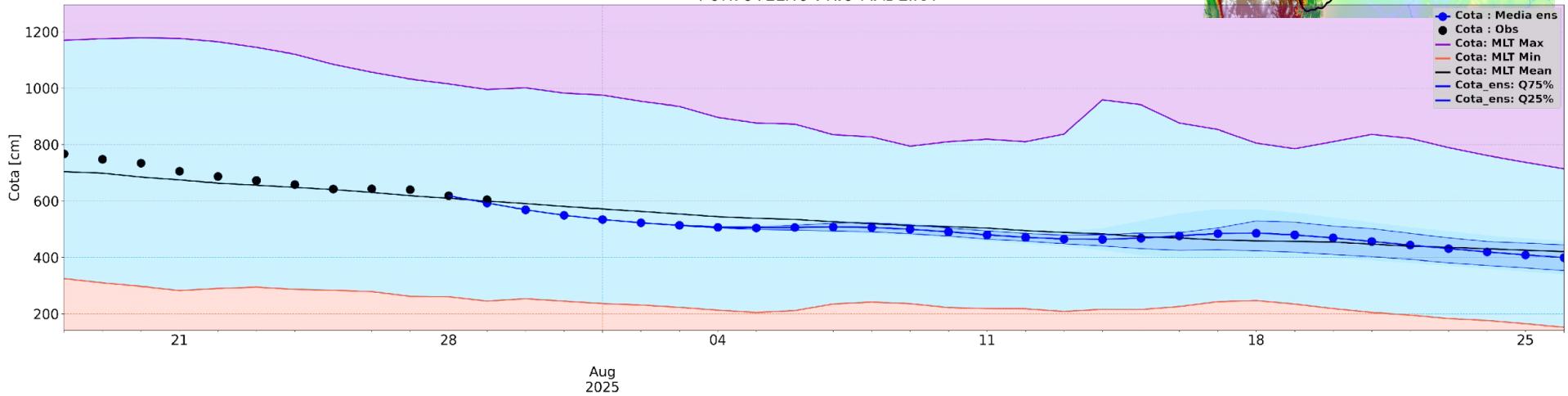
Model Run - 2025-07-28
GUAJARA-MIRIM : RIO MAMORE

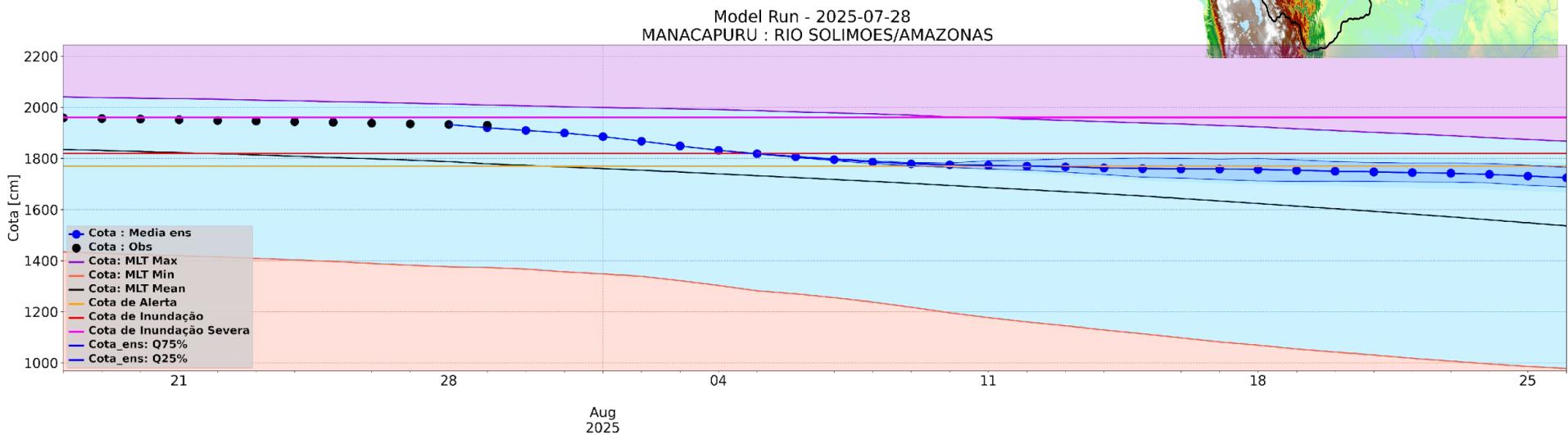
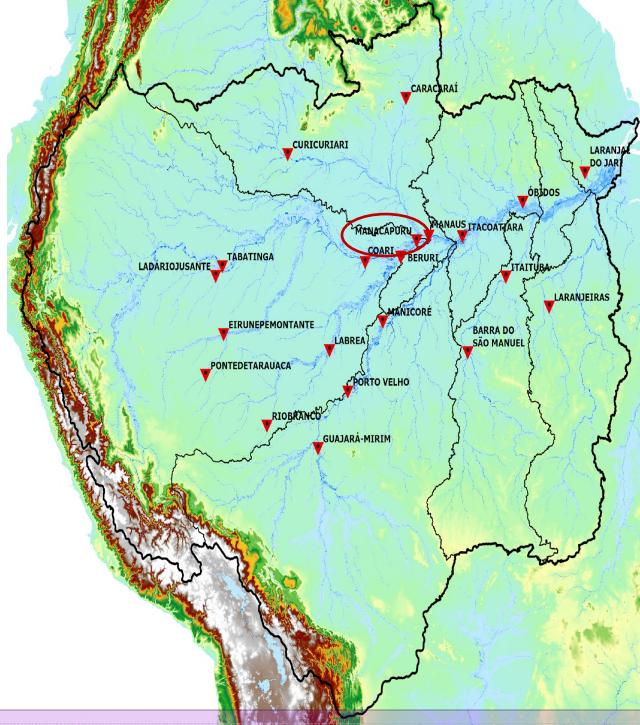
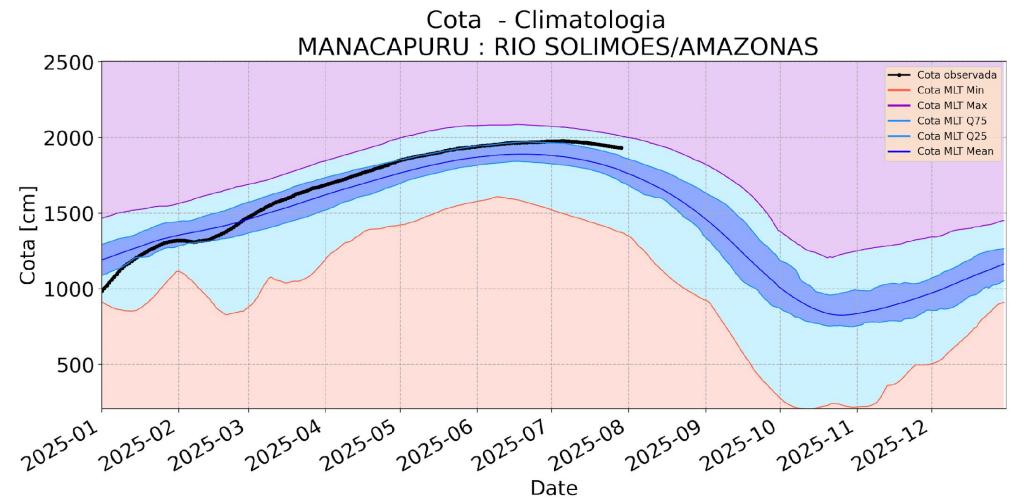


Cota - Climatologia
PORTO VELHO : RIO MADEIRA

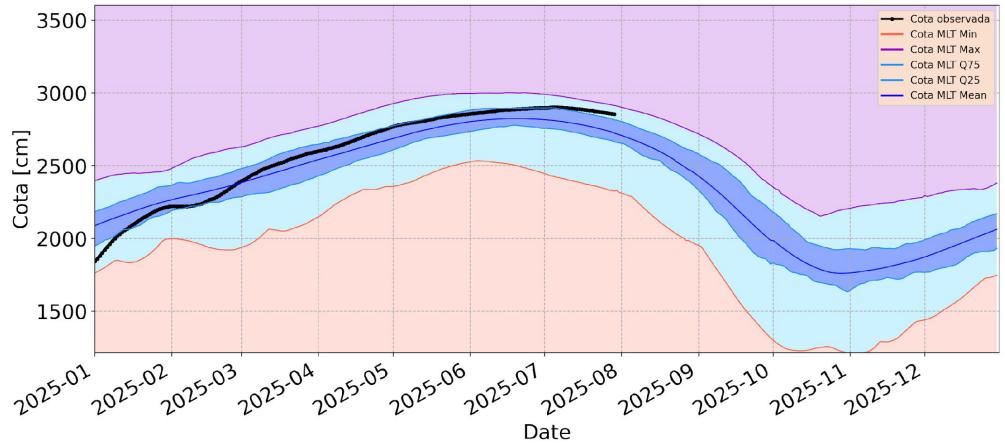


Model Run - 2025-07-28
PORTO VELHO : RIO MADEIRA

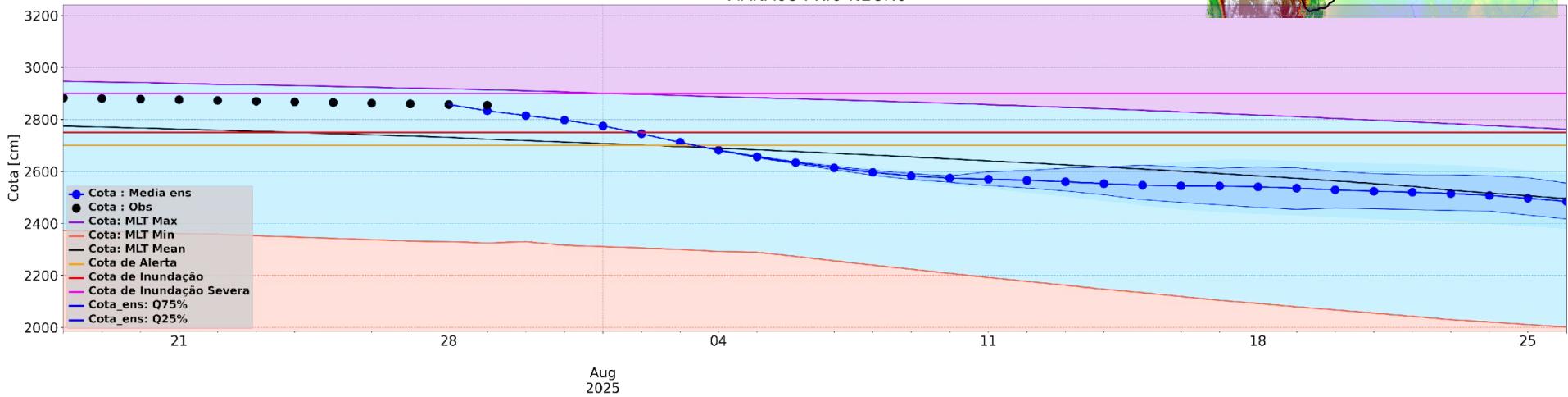




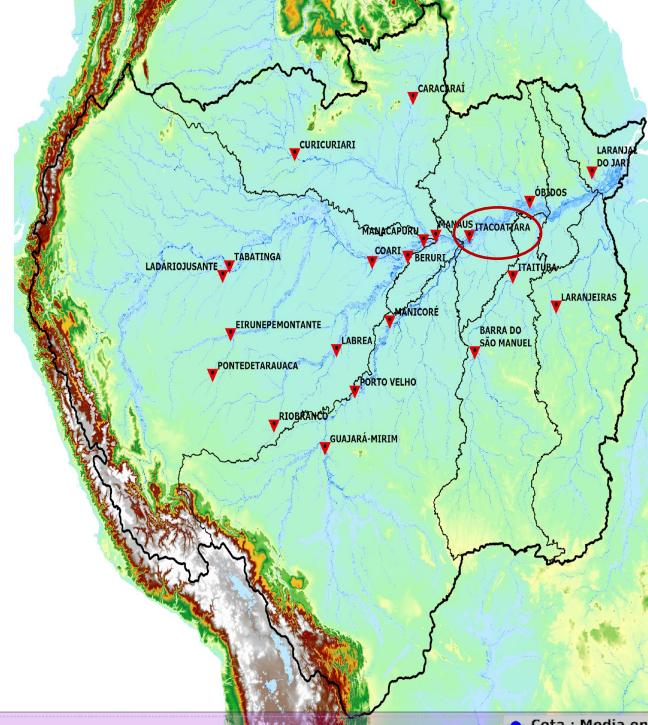
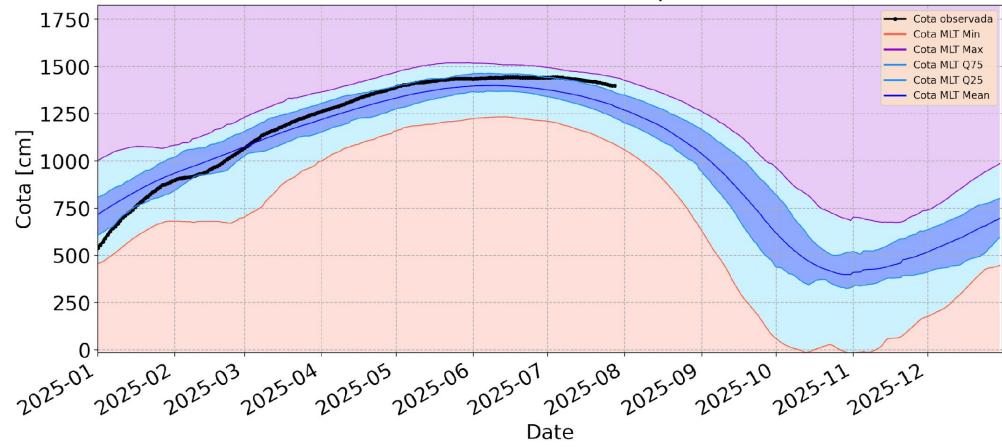
Cota - Climatologia
MANAUS : RIO NEGRO



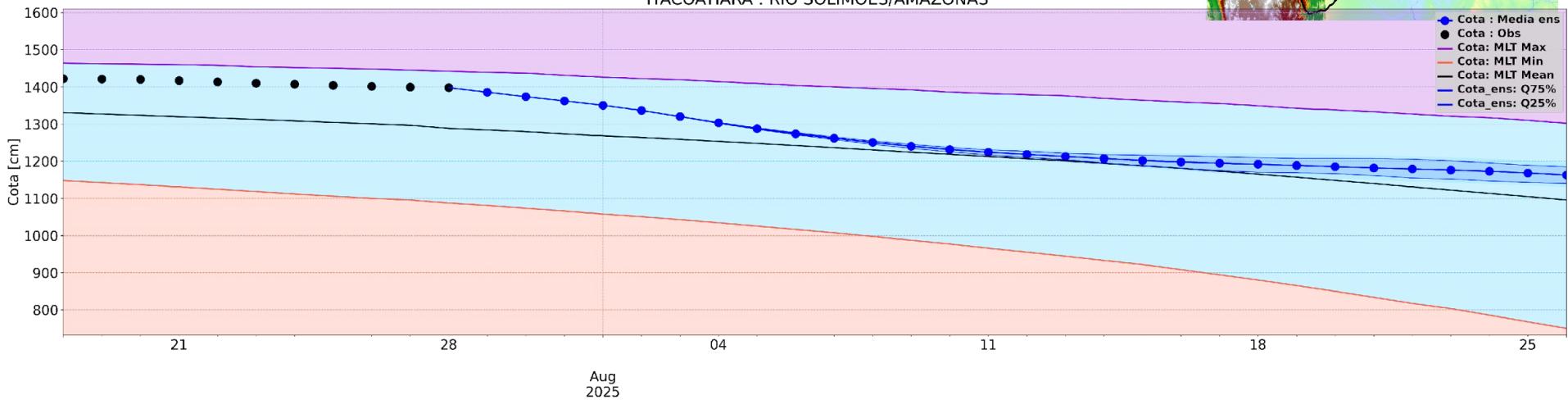
Model Run - 2025-07-28
MANAUS : RIO NEGRO



Cota - Climatologia
ITACOATIARA : RIO SOLIMÓES/AMAZONAS

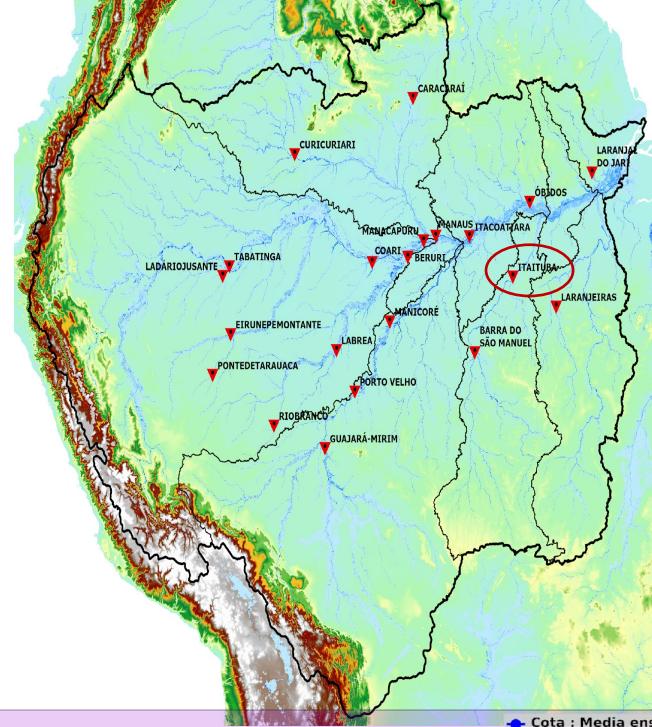
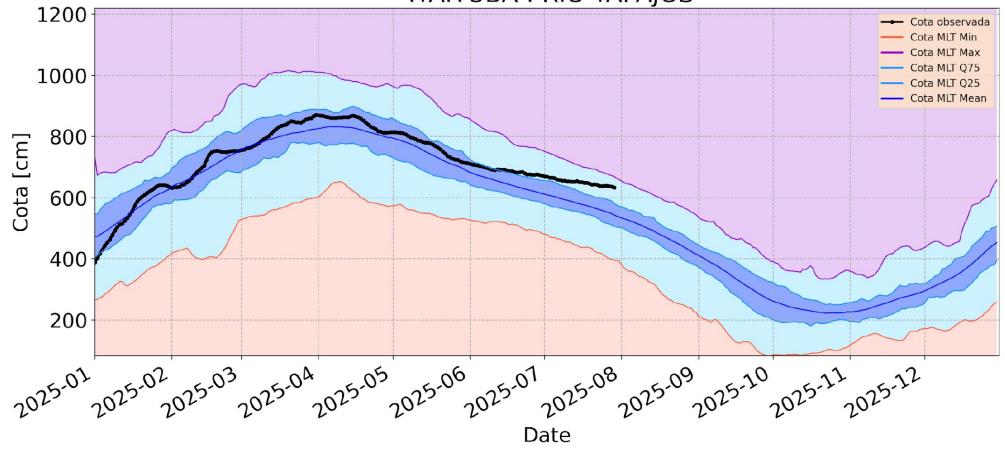


Model Run - 2025-07-28
ITACOATIARA : RIO SOLIMÓES/AMAZONAS

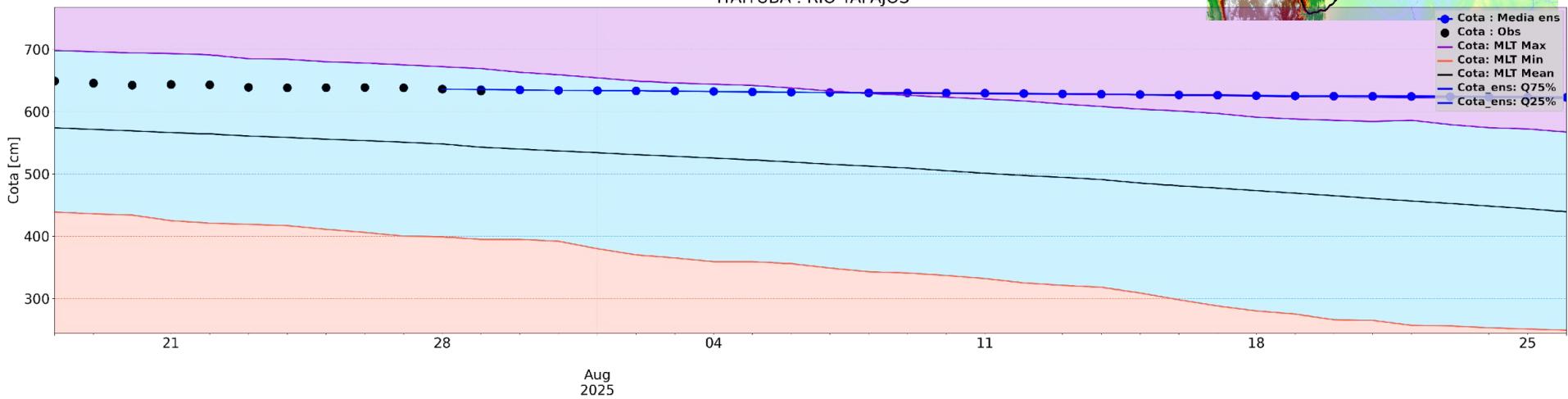


Dados

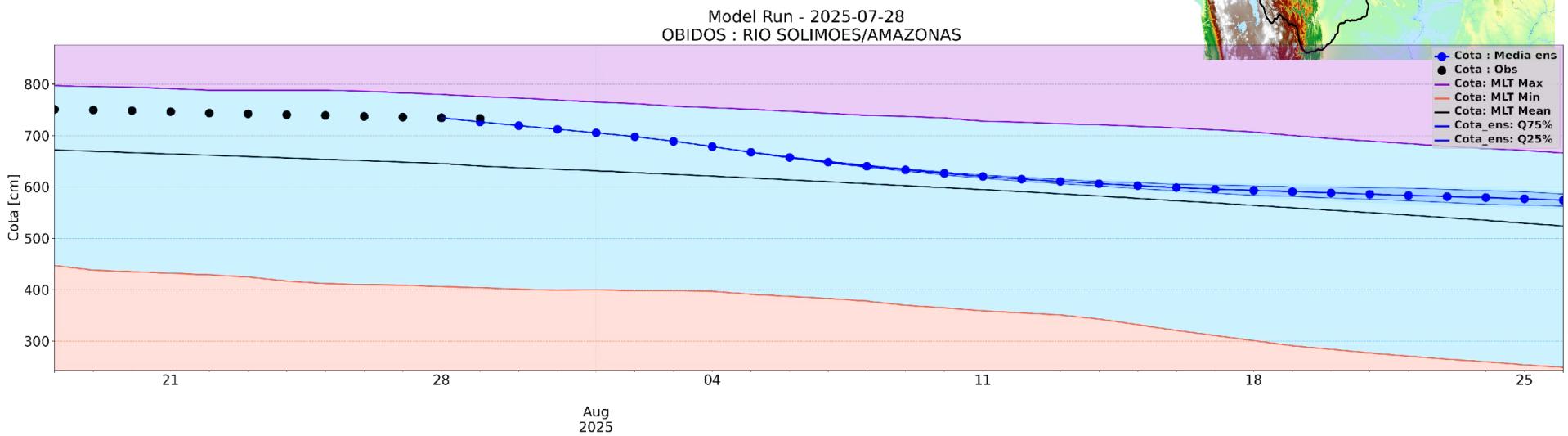
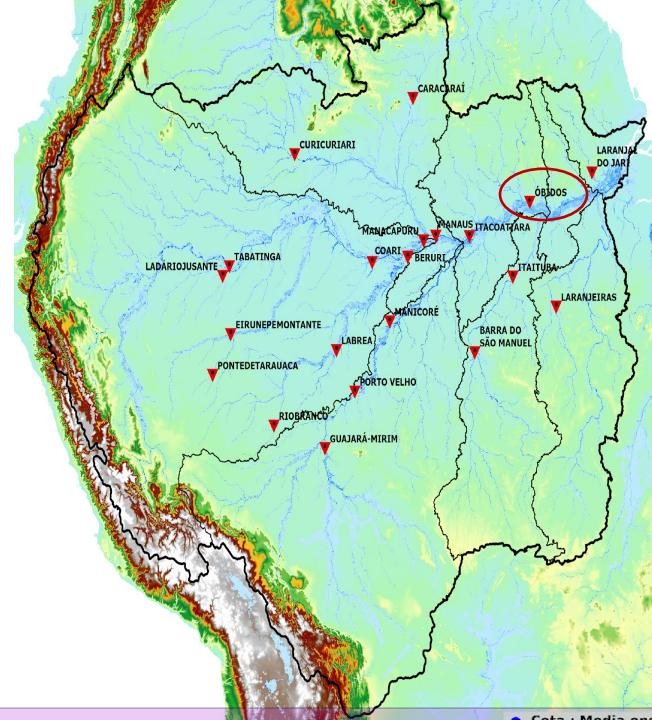
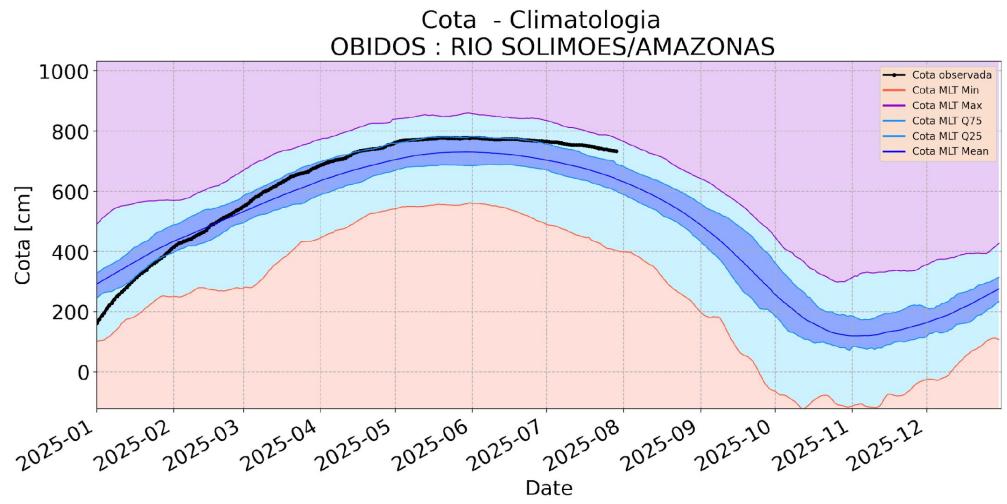
Cota - Climatologia ITAITUBA : RIO TAPAJOS



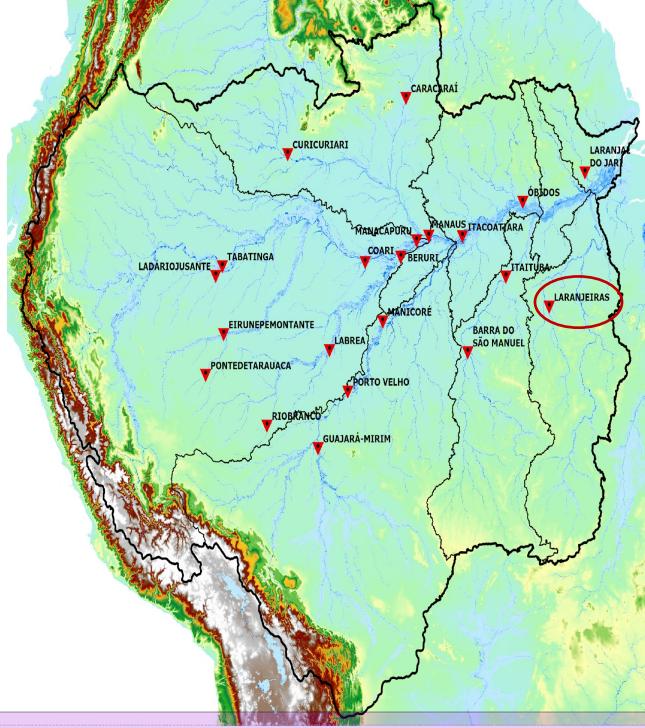
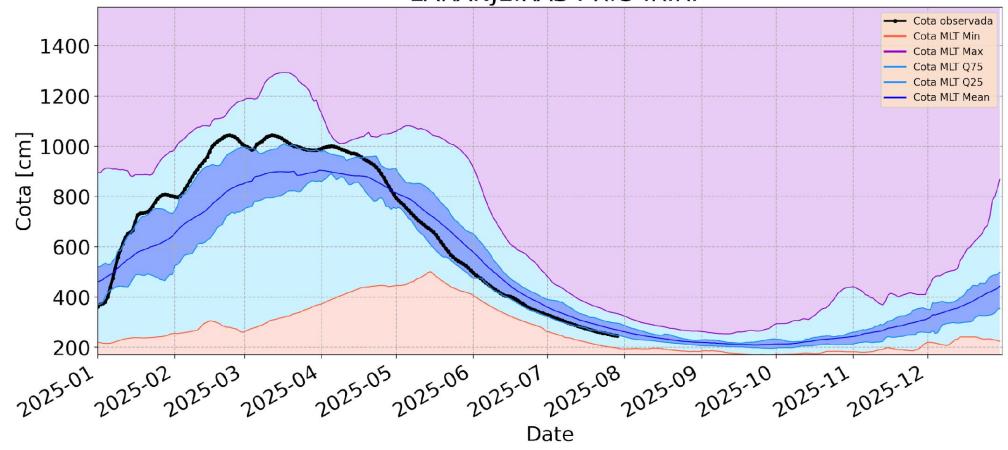
Model Run - 2025-07-28
ITAITUBA : RIO TAPAJOS



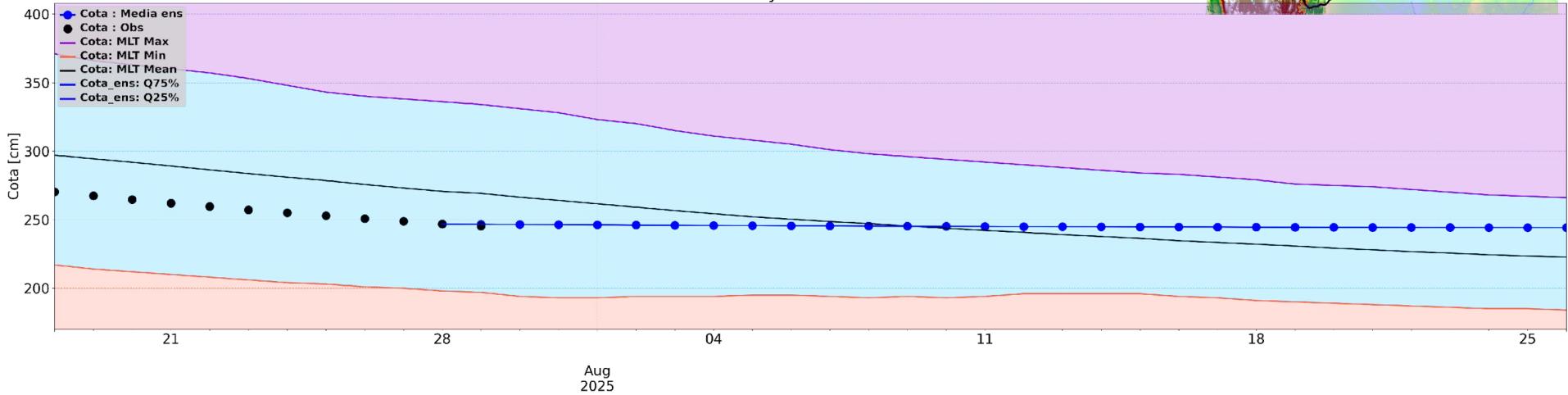
Dados



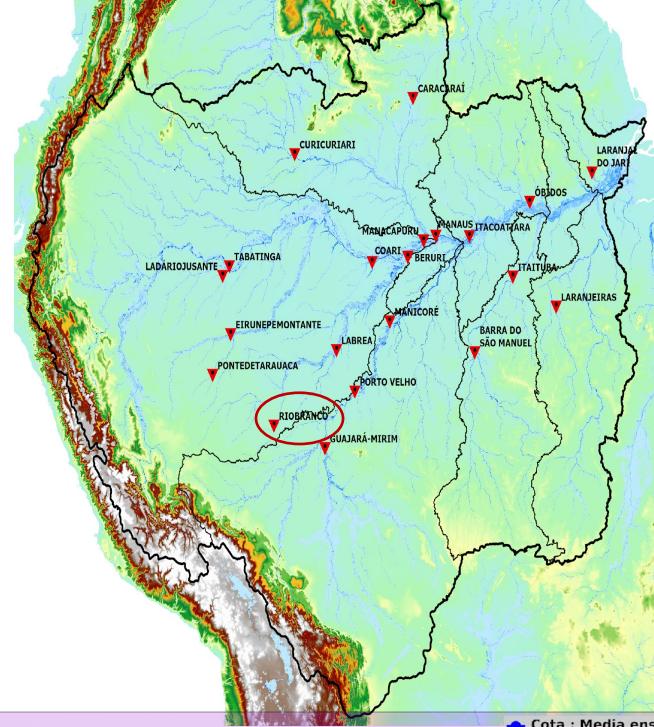
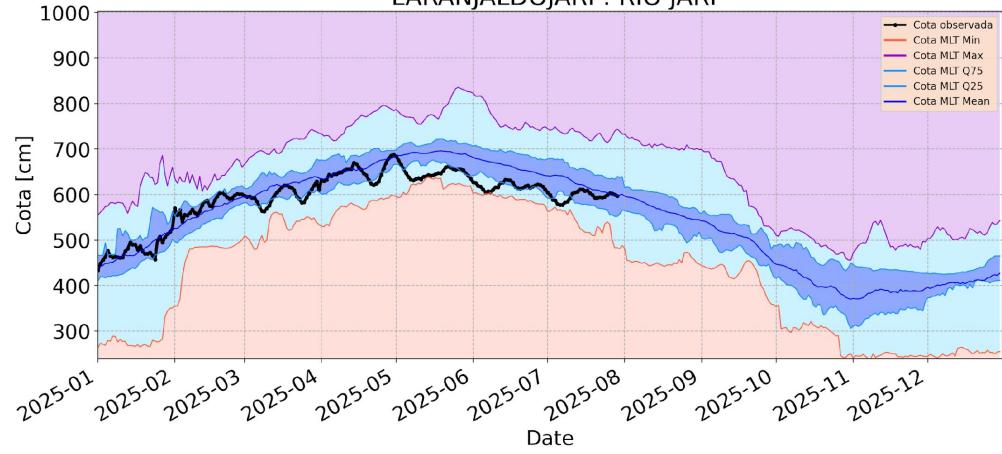
Cota - Climatologia
LARANJEIRAS : RIO IRIRI



Model Run - 2025-07-28
LARANJEIRAS : RIO IRIRI



Cota - Climatologia LARANJALDOJARI : RIO JARI



Model Run - 2025-07-28
LARANJALDOJARI : RIO JARI

