

CLIMA: TENDÊNCIAS PARA 2020/2021

Março/2020

- ✓ Pacífico equatorial permanece **NEUTRO** até meados de abril;
- ✓ A partir de maio previsão do início de uma nova fase fria sobre o Pacífico equatorial leste e central;
- ✓ Indicativo de provável configuração de um fenômeno La Niña no decorrer do segundo semestre de 2020;
- ✓ Padrão climático de 2020 semelhante/análogo a 2007;
- ✓ Tendência que a fase fria continue e influencie o Verão de 2021, que por sua vez poderá ser comparado com o verão de 2008.

- ✓ **Março mantém padrão de chuvas abaixo da média. Cenário de estiagens continua;**
- ✓ **Para abril e maio há previsão de episódios de chuvas mais generalizadas e frequentes. As frentes frias voltam a ficar mais intensas e definidas sobre o Rio Grande do Sul, refletindo um padrão típico do outono;**
- ✓ **Outono com temperaturas mais amenas. Antecipa a chegada do frio. Abril e maio com ondas de frio. Risco de geada aumenta em junho;**
- ✓ **Indicação de fase fria no Pacífico equatorial deixa inverno frio e com chuvas abaixo da média. Para a primavera também mantém um padrão de chuvas abaixo da média, embora sempre com o risco de episódios de tempestades entre setembro e outubro;**
- ✓ **Tendência que a fase fria continue, com indicativo de La Niña para o Verão de 2021, que por sua vez poderá ser comparado com o cenário climático observado no verão de 2008.**

GOIÁS E MATO GROSSO

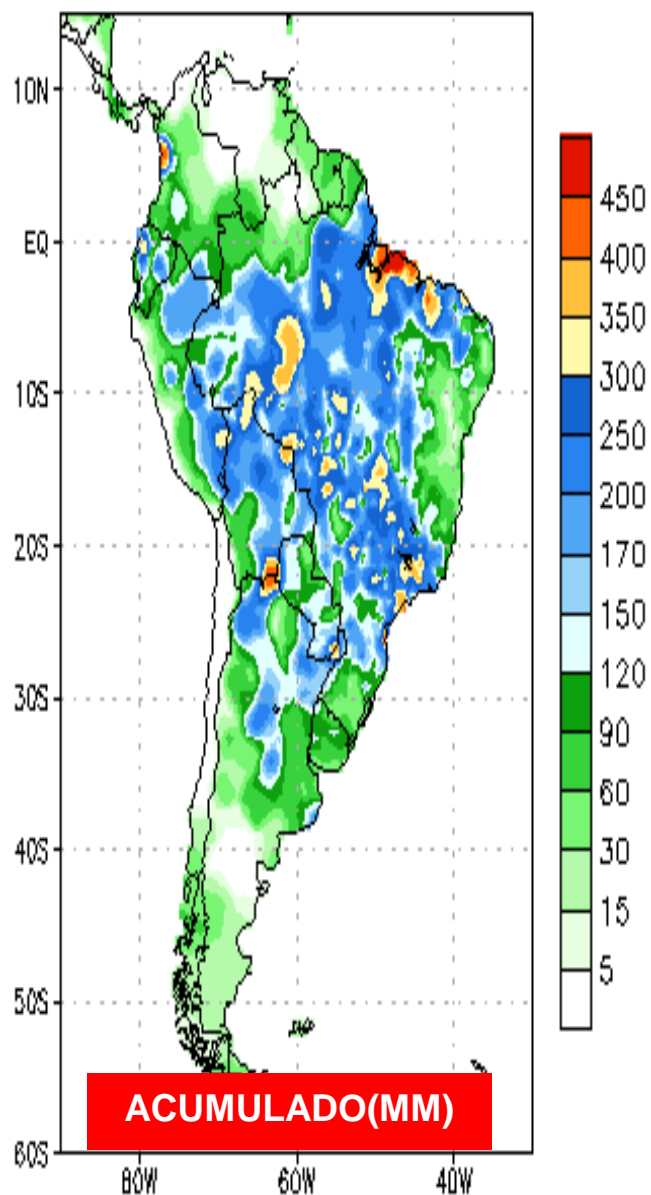
- ✓ **Março mantém padrão chuvoso.**
- ✓ **Chuvas diminuem em abril, mas ainda com boa oferta de umidade no solo.**
- ✓ **Indicativo de maio ser seco.**
- ✓ **RISCO aumenta para quem plantou fora da janela de plantio (tardio) e que ainda depende de chuvas em maio para fechamento do ciclo da planta (floração/enchimento de grão).**

MATO GROSSO DO SUL E PARANÁ

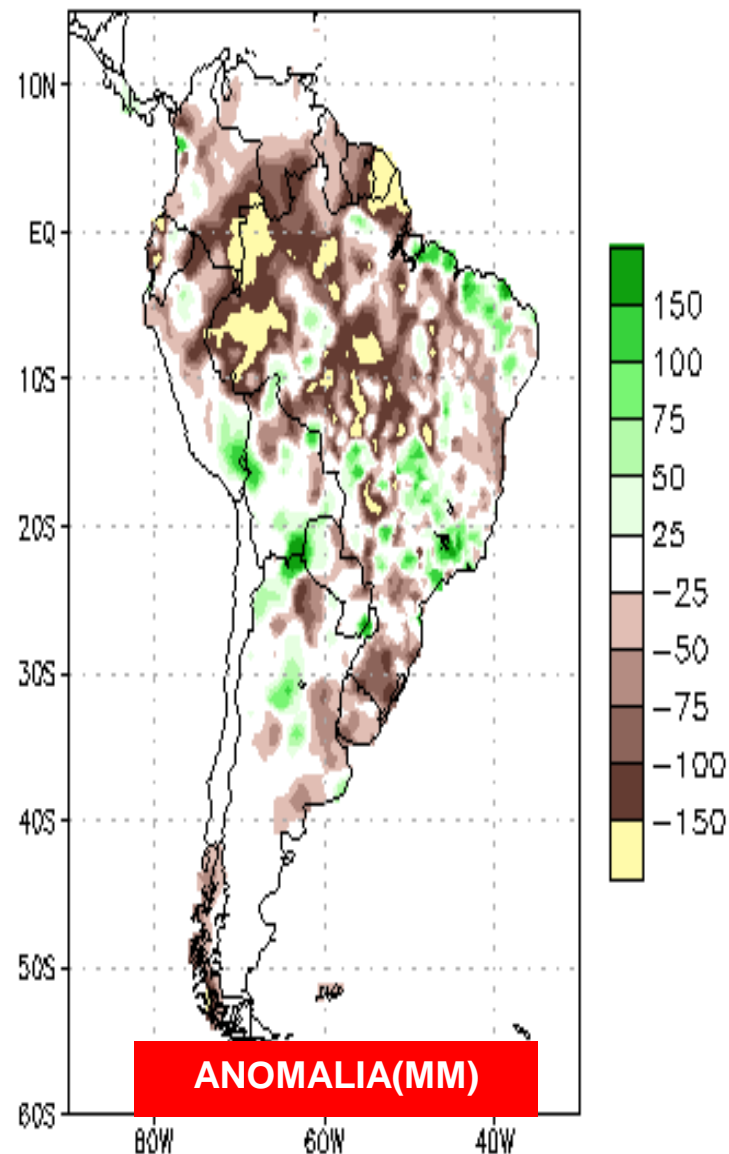
- ✓ As lavouras desses estados não devem enfrentar problema com a oferta de umidade no solo para a implantação e desenvolvimento das plantas.
- ✓ Risco para as lavouras de MILHO está associado a antecipação da chegada do frio. Há previsão de ondas de frio em maio, mas por enquanto sem formação de geada.
- ✓ No entanto, RISCO aumenta para quem plantou fora da janela de plantio (tardio) e que entra em junho ainda vulnerável a prováveis episódios de geadas (grão ainda em fase leitosa).

CHUVA: Últimos 30 dias

Accumulated Prcp (mm) 28JAN2020-26FEB2020

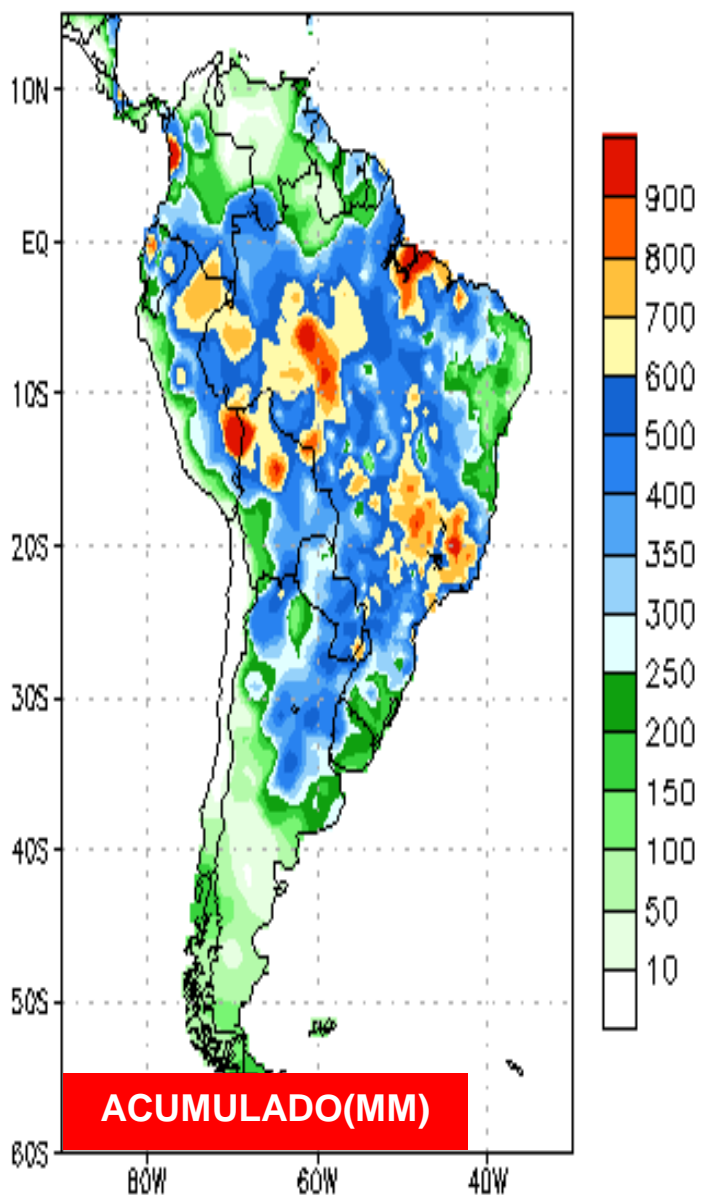


Prpc Anomalies (mm) 28JAN2020-26FEB2020

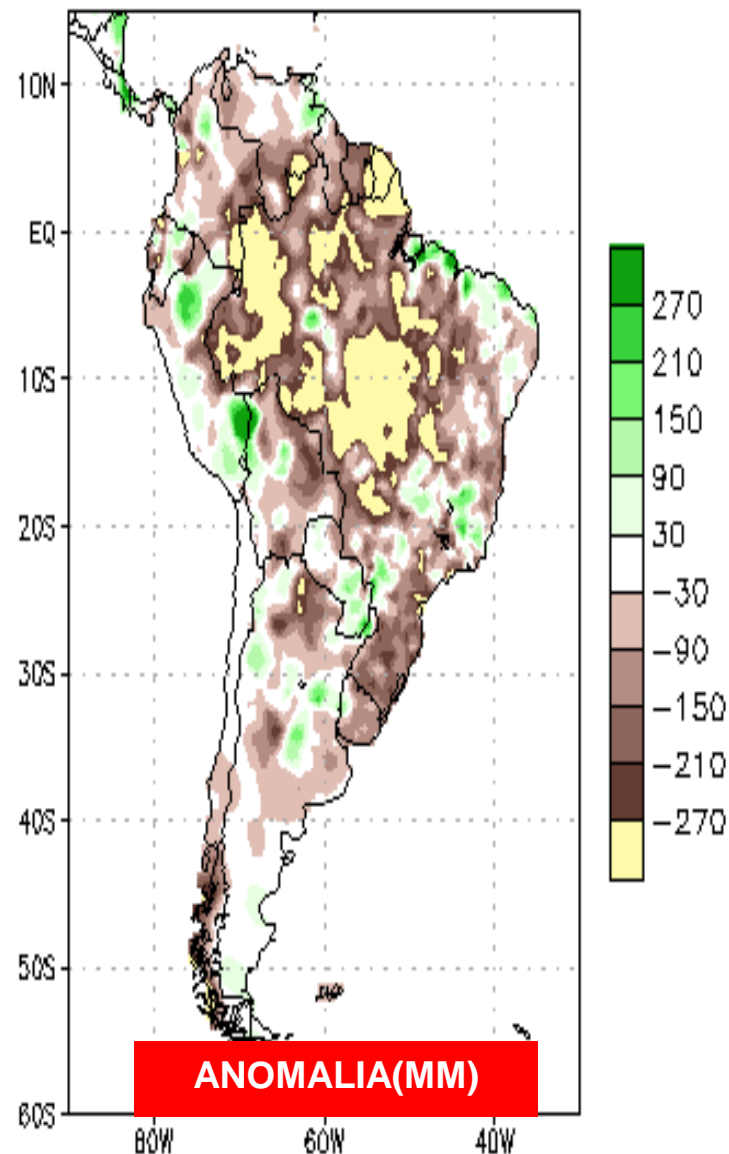


CHUVA: Últimos 90 dias

Accumulated Prcp (mm) 29NOV2019-26FEB2020

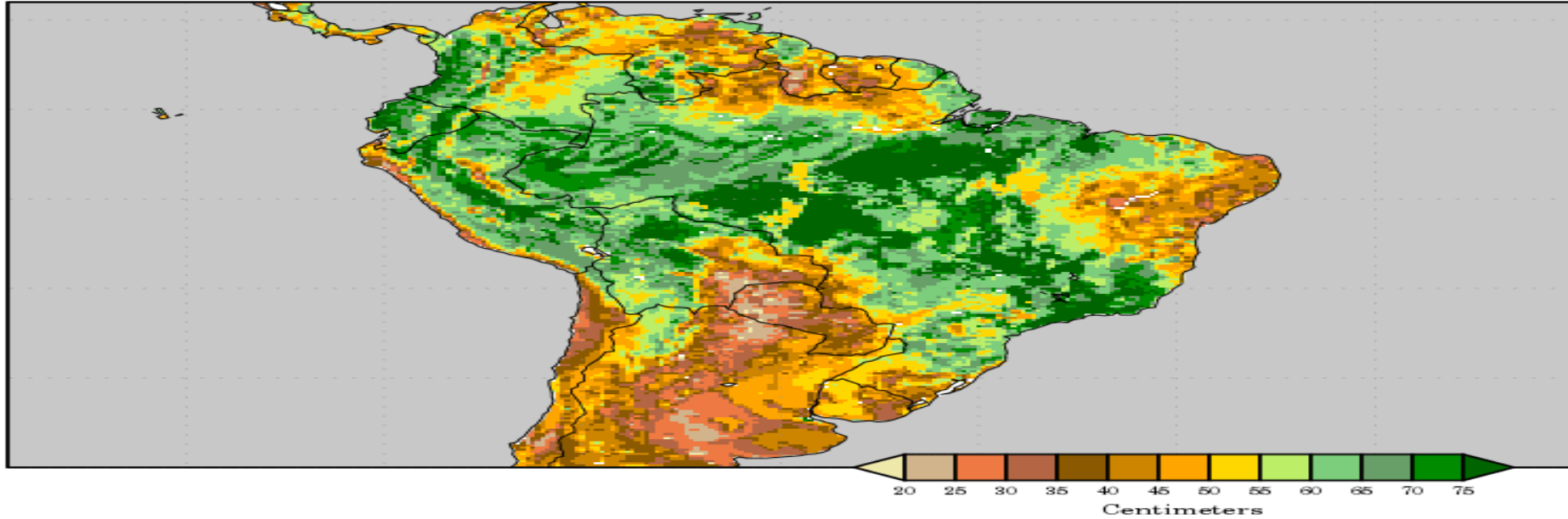


Prpc Anomalies (mm) 29NOV2019-26FEB2020



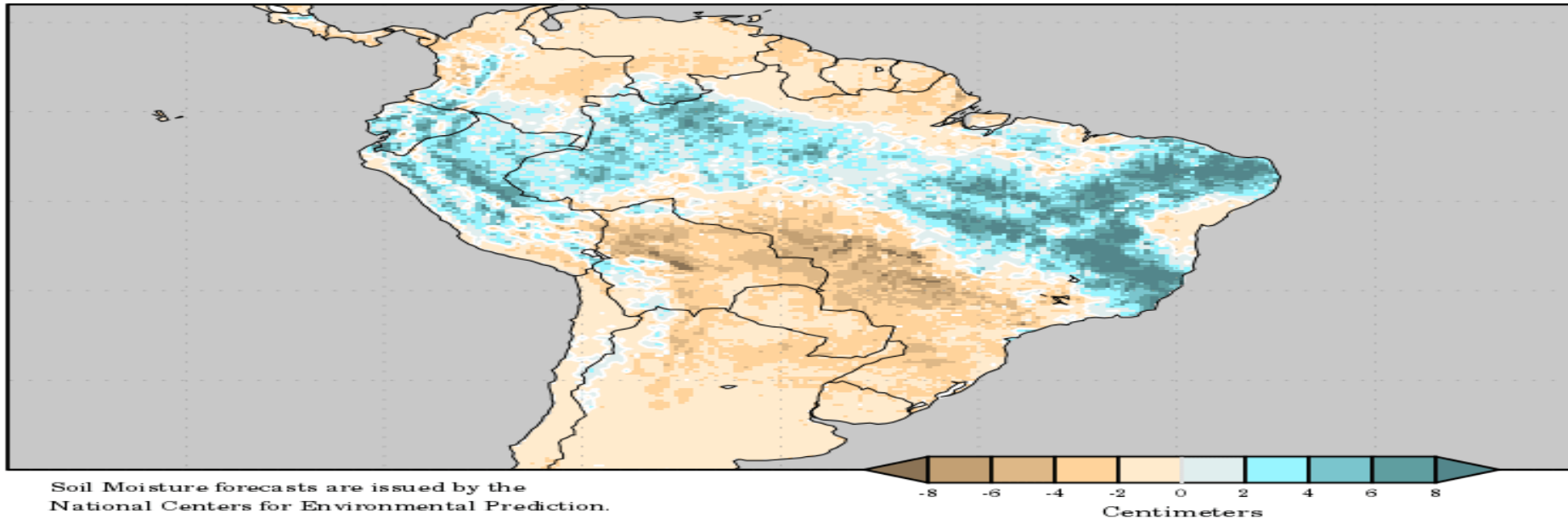
Initial Soil Moisture

Liquid Water in top 2 meters of soil
Valid time: Thu, 27 FEB 2020 at 12Z



Soil Moisture Change

12Z 27 FEB 2020 to 12Z 06 MAR 2020



Soil Moisture forecasts are issued by the National Centers for Environmental Prediction.

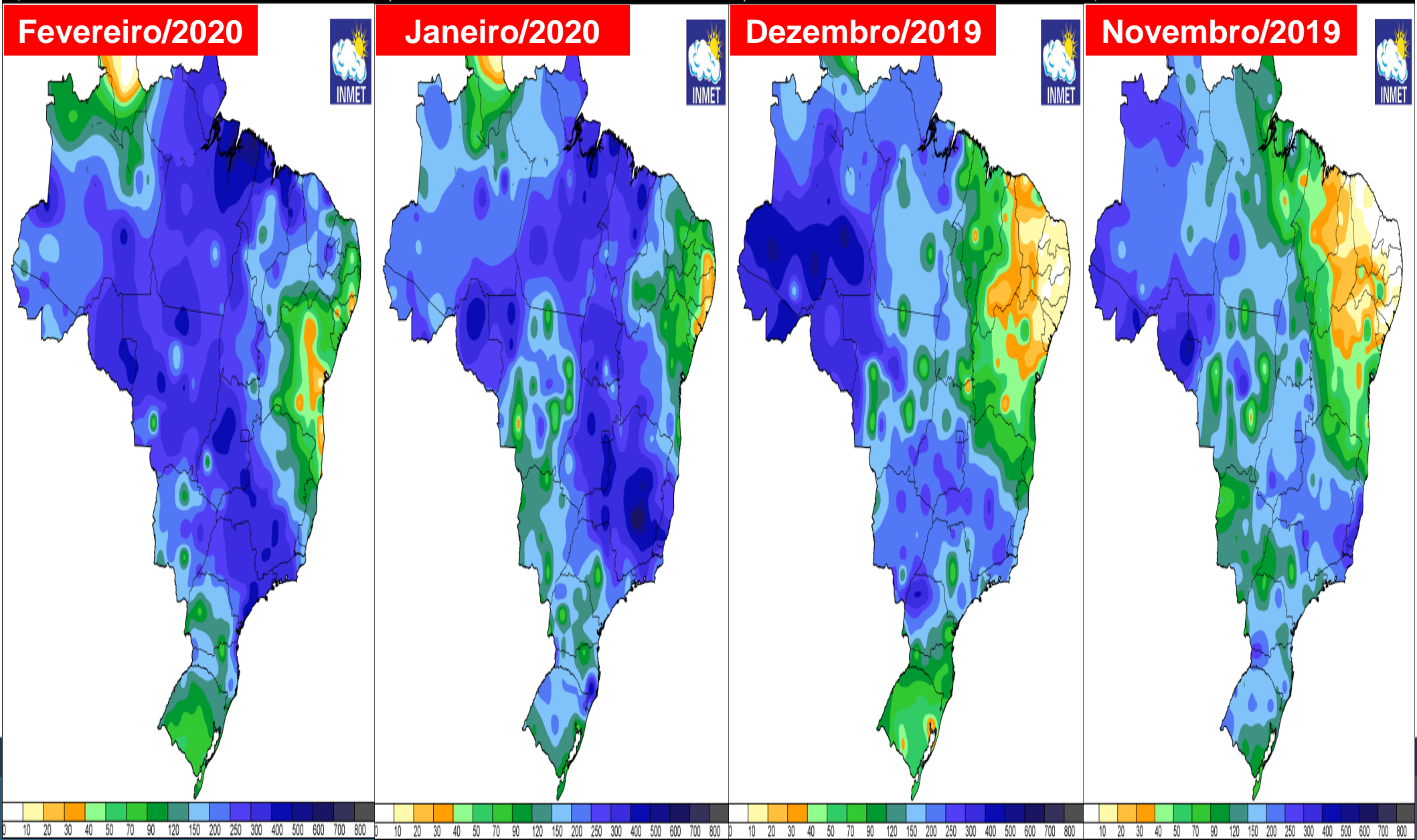
CHUVA ÚLTIMOS 4 MESES

Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 30 dias
Mapa do dia 26/02/2020

Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 30 dias
Mapa do dia 30/01/2020

Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 30 dias
Mapa do dia 31/12/2019

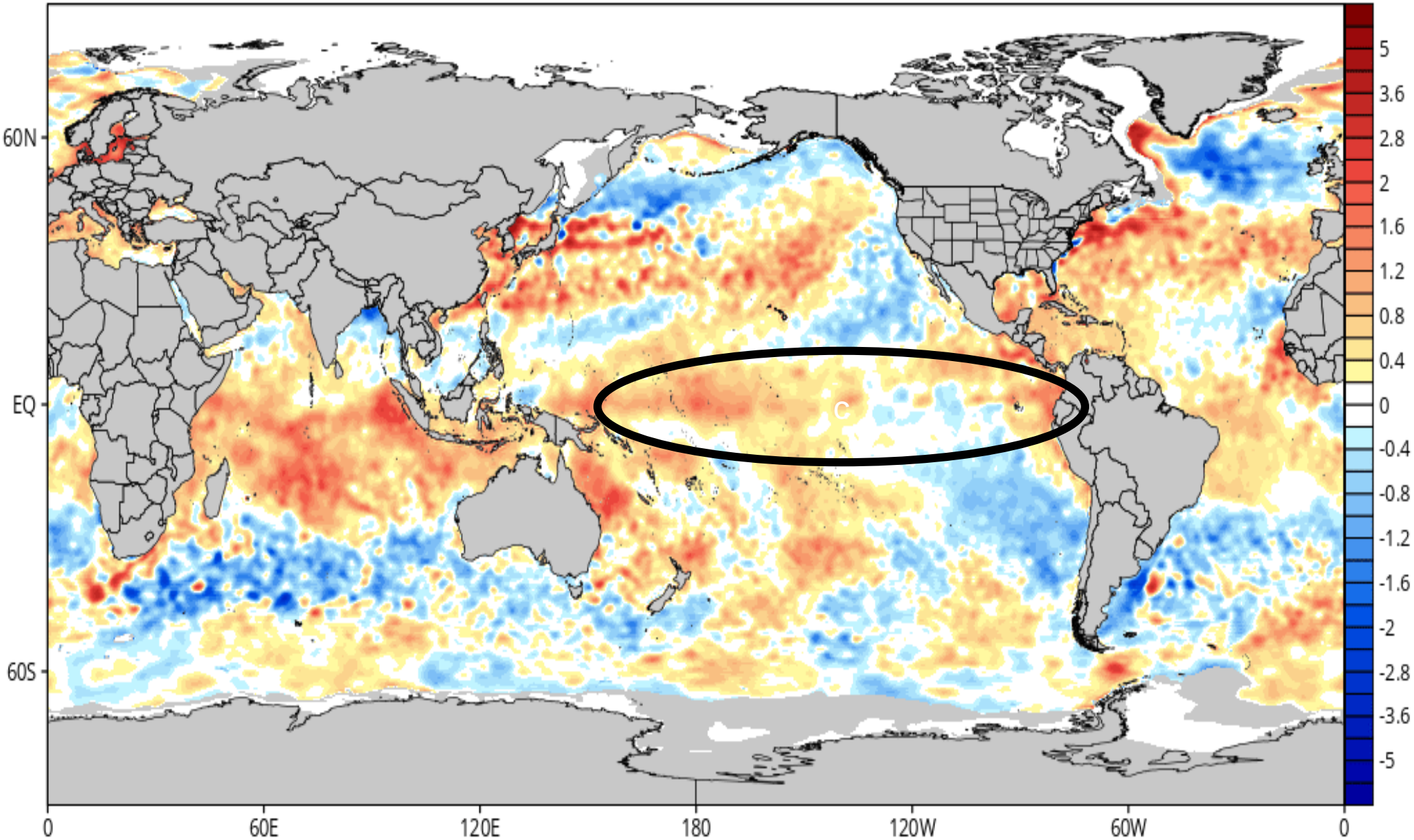
Instituto Nacional de Meteorologia - INMET
Precipitação Acumulada nos últimos 30 dias
Mapa do dia 30/11/2019



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

Analysis Time: 00z Feb 27 2020

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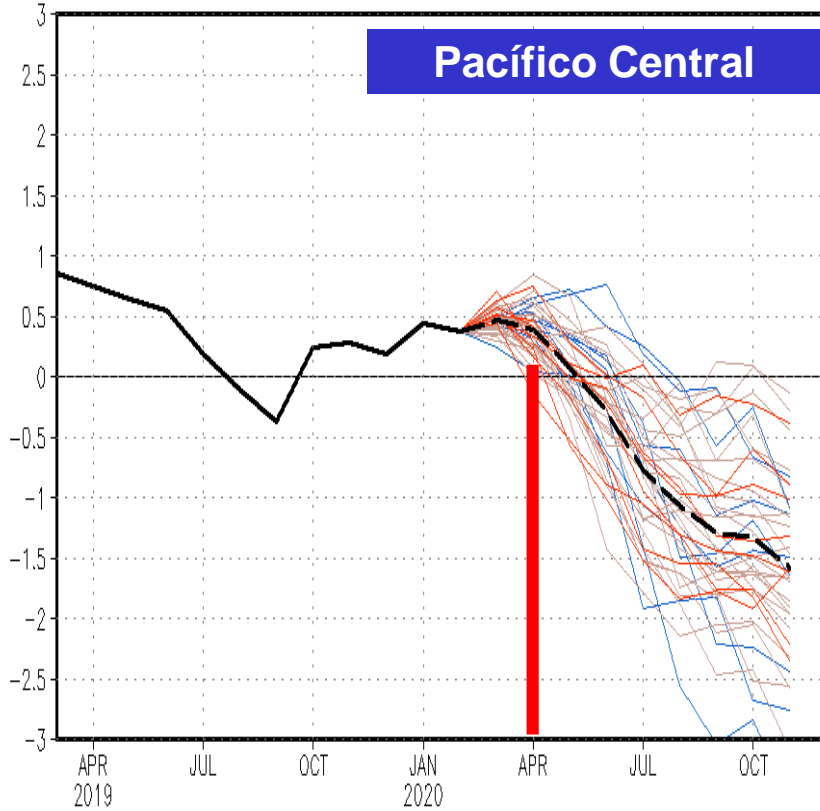




NWS/NCEP/CPC

Last update: Wed Feb 26 2020
Initial conditions: 16Feb2020–25Feb2020

CFSv2 forecast Nino3.4 SST anomalies (K)



— Latest 8 forecast members - - - Forecast ensemble mean
— Earliest 8 forecast members — NCEP NSST daily analysis
— Other forecast members

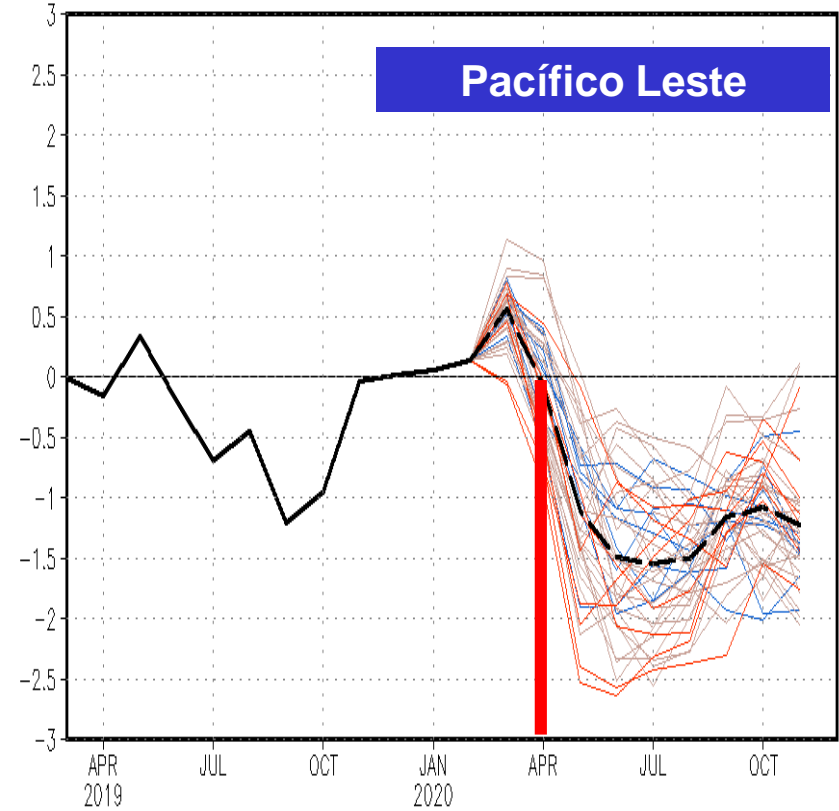
(Model bias correct base period: 1999–2010; Climatology base period: 1982–2010)



NWS/NCEP/CPC

Last update: Wed Feb 26 2020
Initial conditions: 16Feb2020–25Feb2020

CFSv2 forecast Nino1+2 SST anomalies (K)



— Latest 8 forecast members - - - Forecast ensemble mean
— Earliest 8 forecast members — NCEP NSST daily analysis
— Other forecast members

(Model bias correct base period: 1999–2010; Climatology base period: 1982–2010)

PACÍFICO EQUATORIAL: Indicativo de fase fria para o segundo semestre de 2020



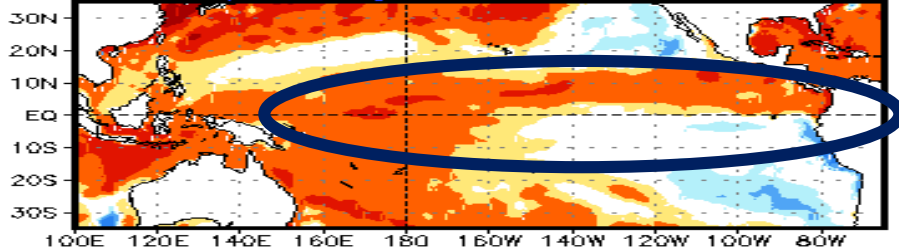
NWS/NCEP/CPC

Initial conditions: 16Feb2020–25Feb2020

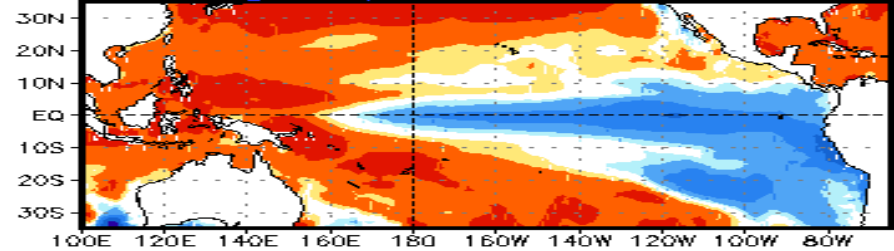
Last update: Wed Feb 26 2020

CFSv2 seasonal SST (K)

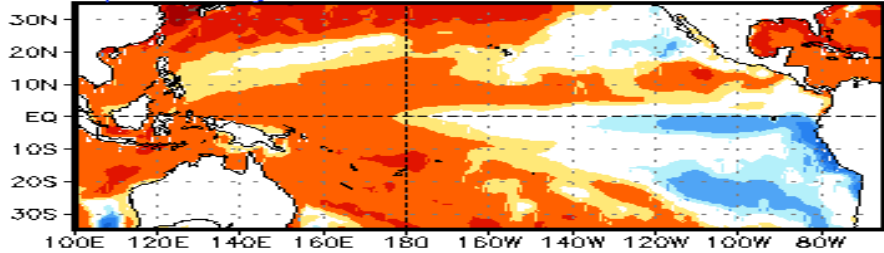
Mar–Apr–May 2020



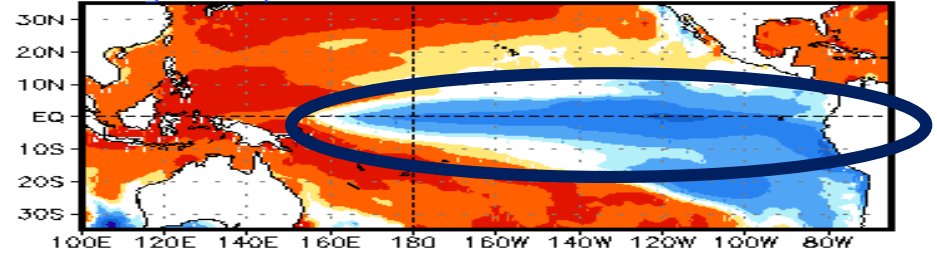
Jul–Aug–Sep 2020



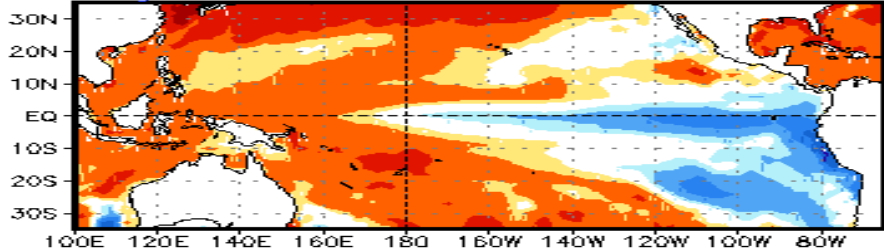
Apr–May–Jun 2020



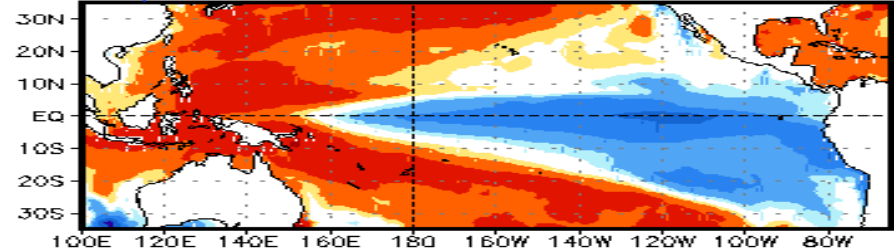
Aug–Sep–Oct 2020



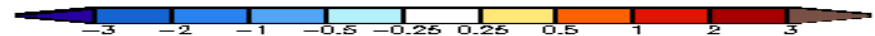
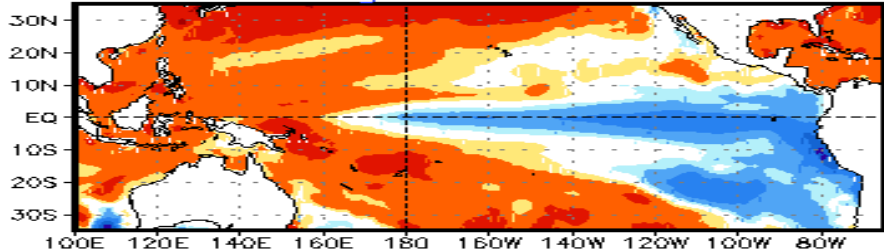
May–Jun–Jul 2020



Sep–Oct–Nov 2020



Jun–Jul–Aug 2020

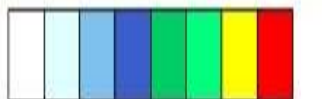
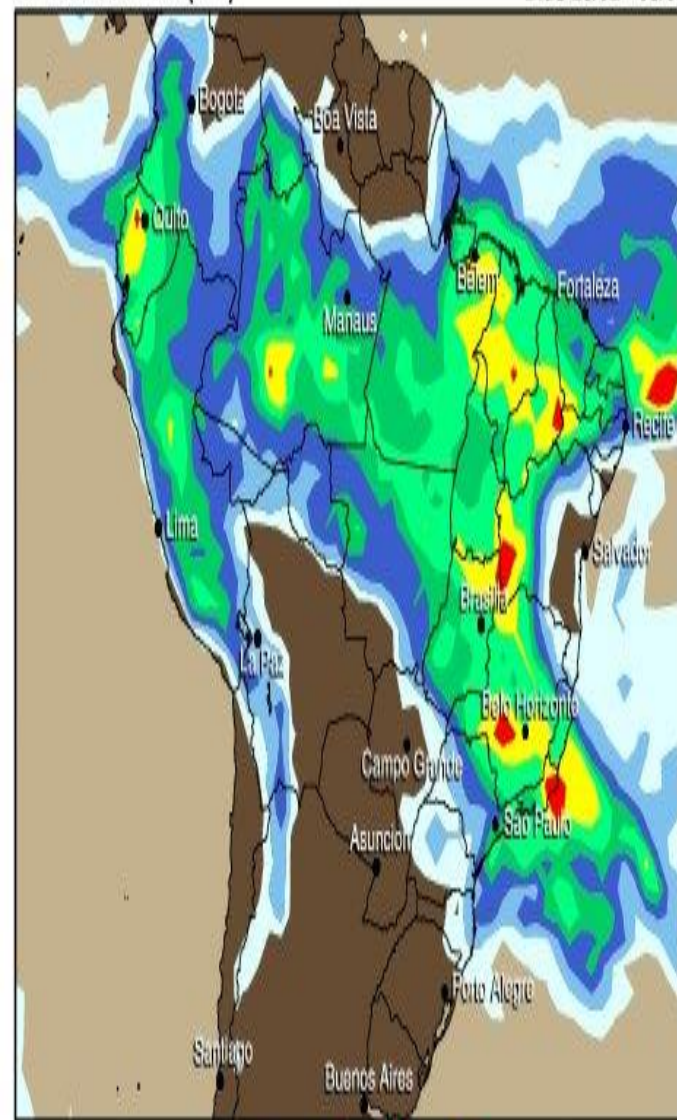


(Model bias correction base period: 1999–2010; Climatology base period: 1982–2010)

CHUVA: Previsão 15 dias

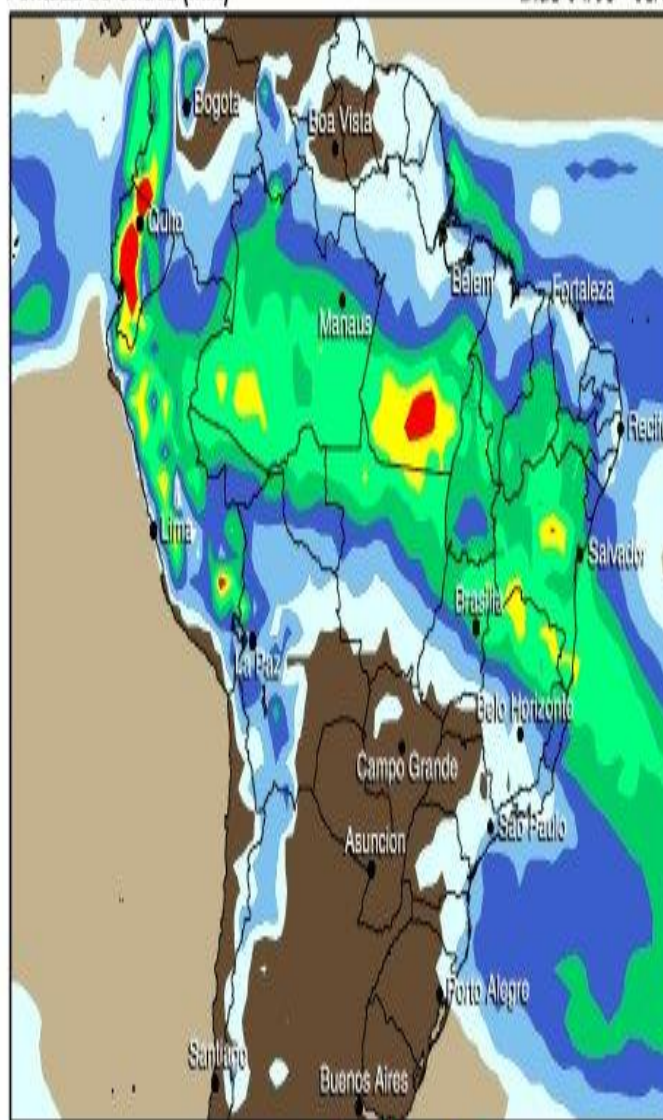
Pêntada de Chuva (mm)

Dias 28/02 - 03/03



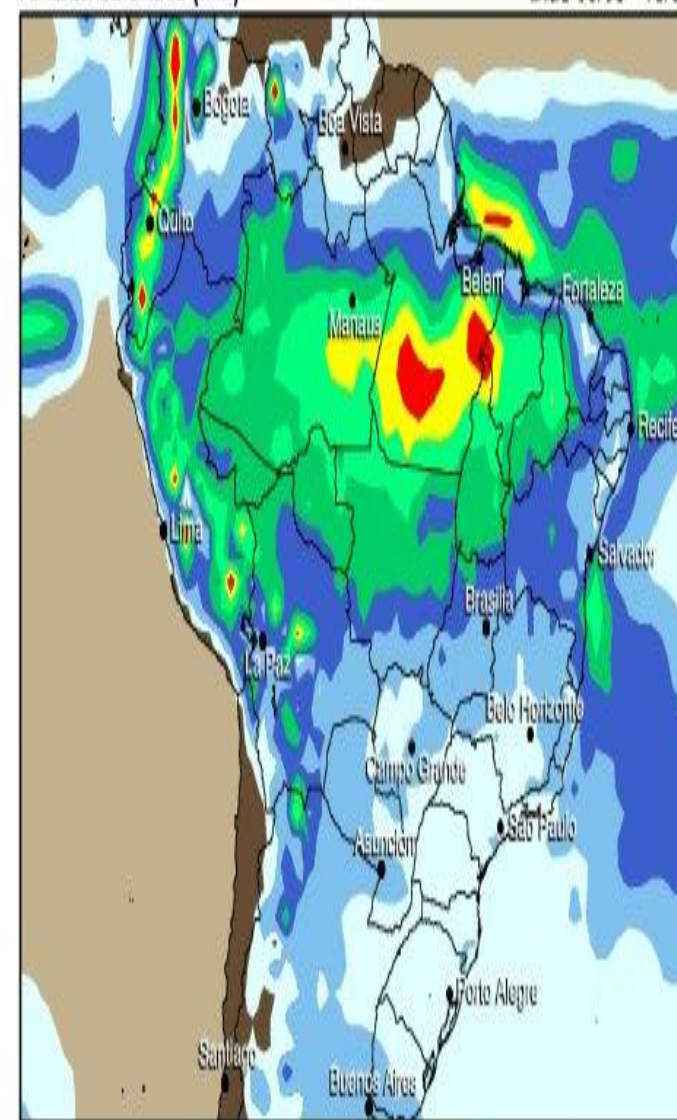
Pêntada de Chuva (mm)

Dias 04/03 - 08/03



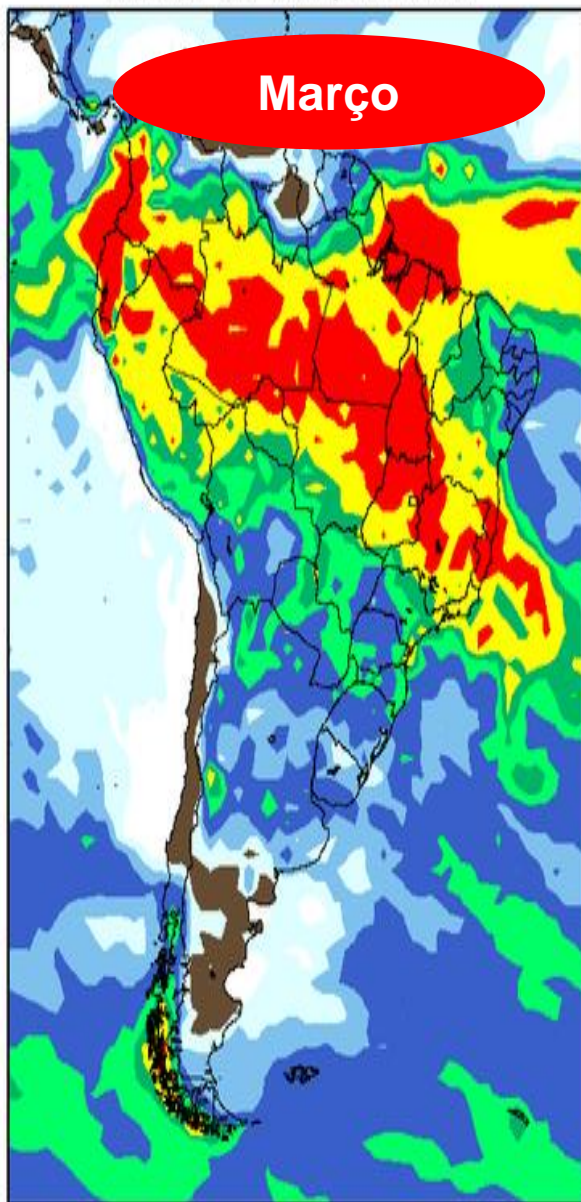
Pêntada de Chuva (mm)

Dias 09/03 - 13/03

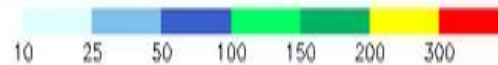
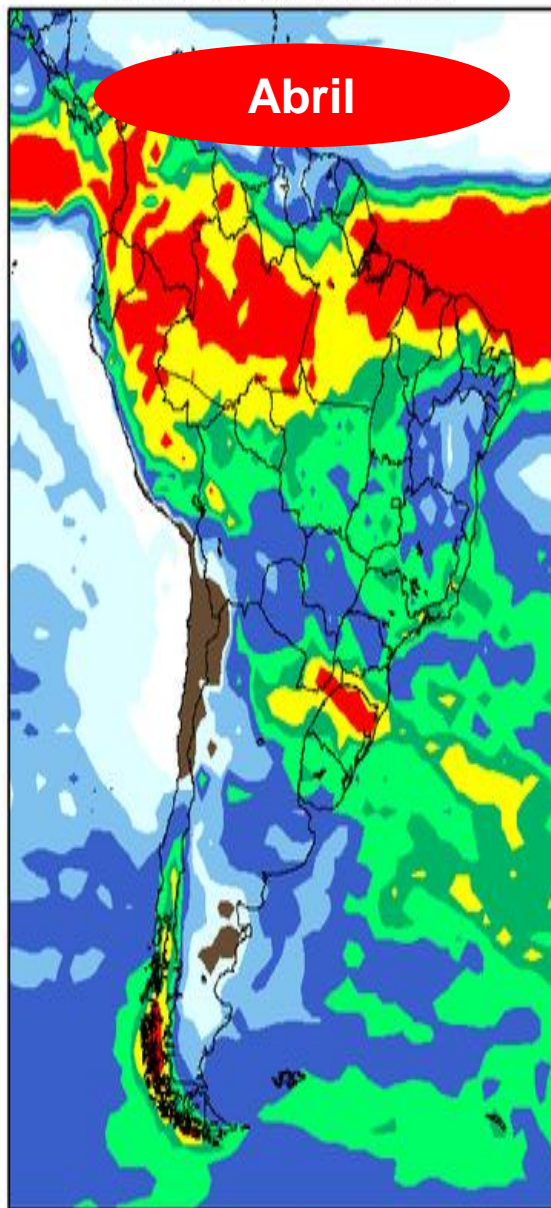


Previsão Chuva Mensal (Centro Europeu)

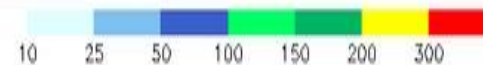
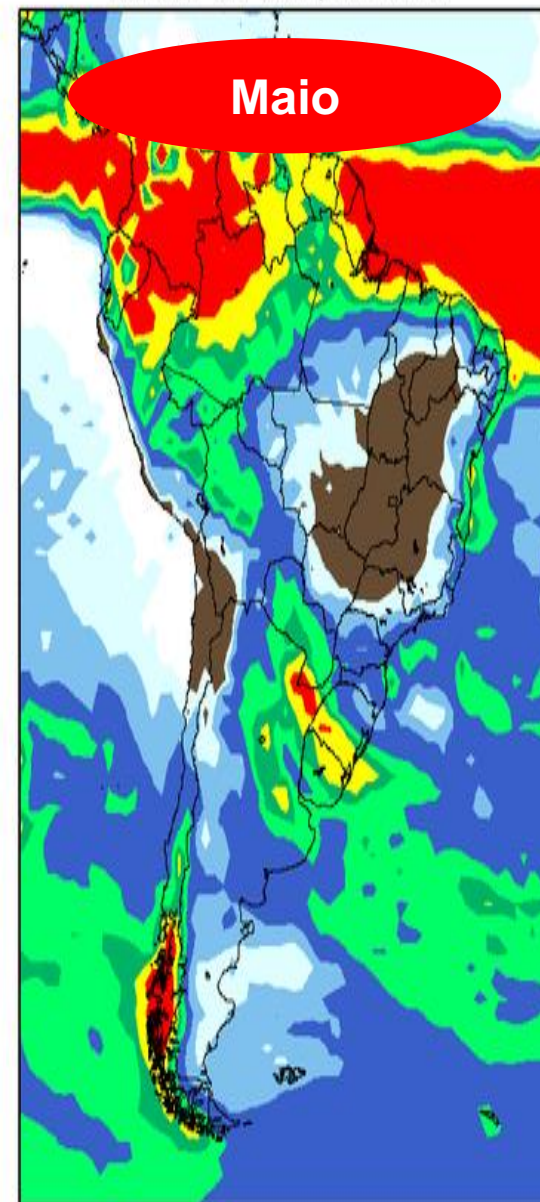
Precipitacao Mensal 03/2020 (C)
Rodada de: 2020/02 ECMWF



Precipitacao Mensal 04/2020 (C)
Rodada de: 2020/02 ECMWF



Precipitacao Mensal 05/2020 (C)
Rodada de: 2020/02 ECMWF



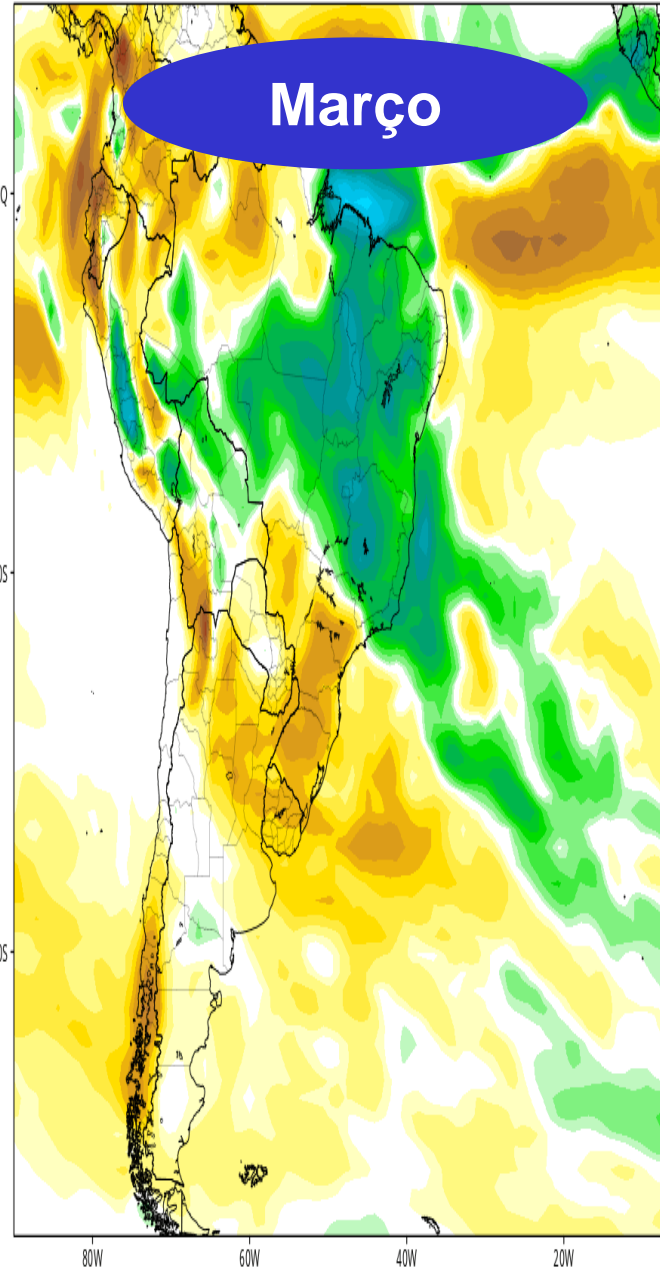
CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: Mar 2020

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Março



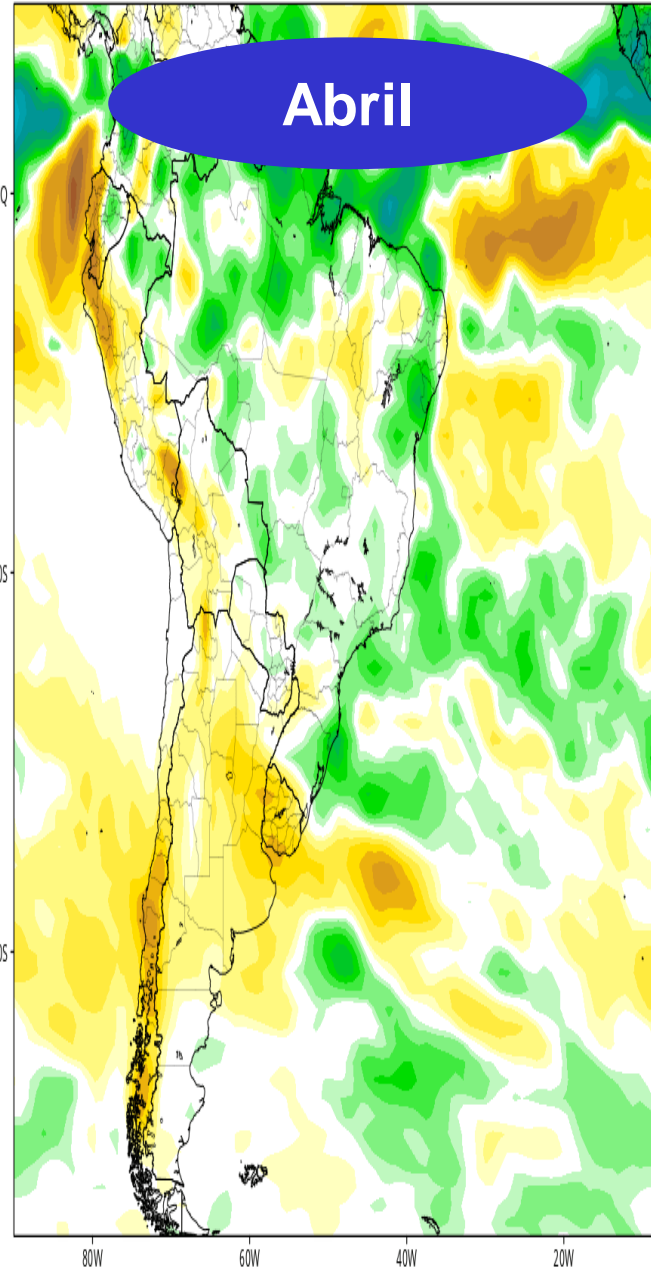
CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: Apr 2020

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Abril



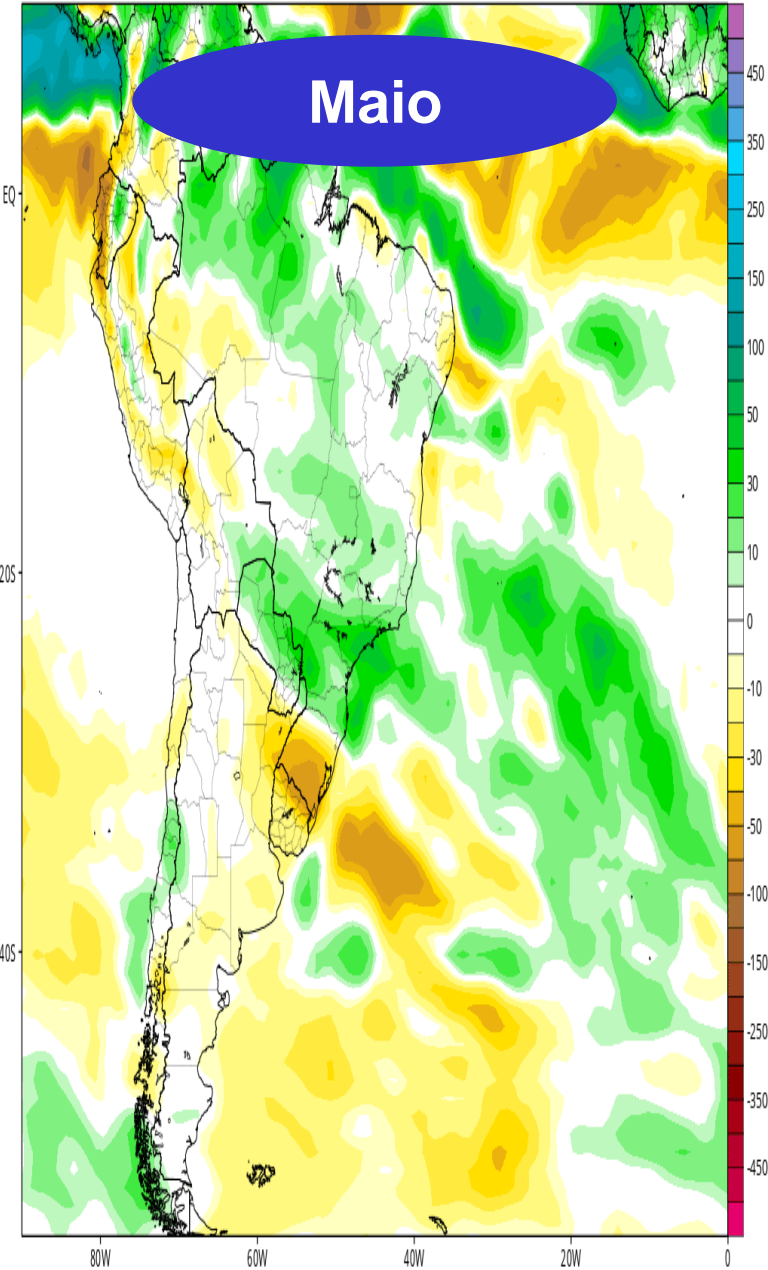
CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: May 2020

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Mai



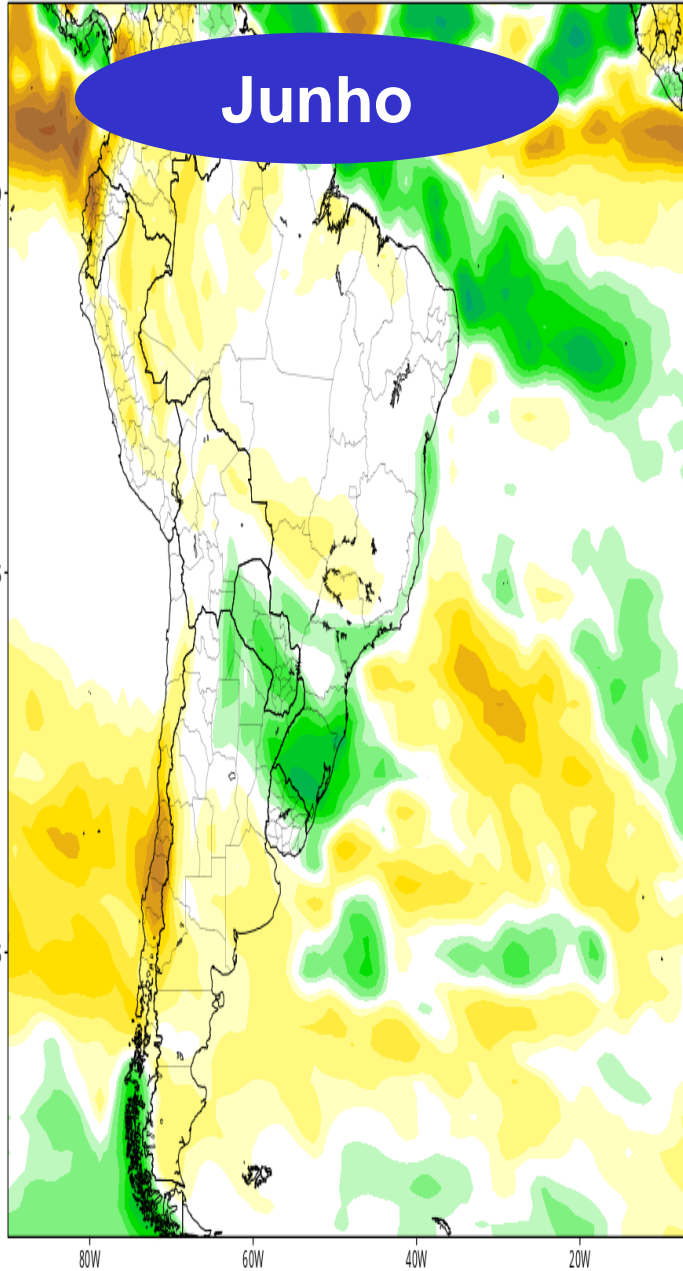
CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: Jun 2020

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Junho



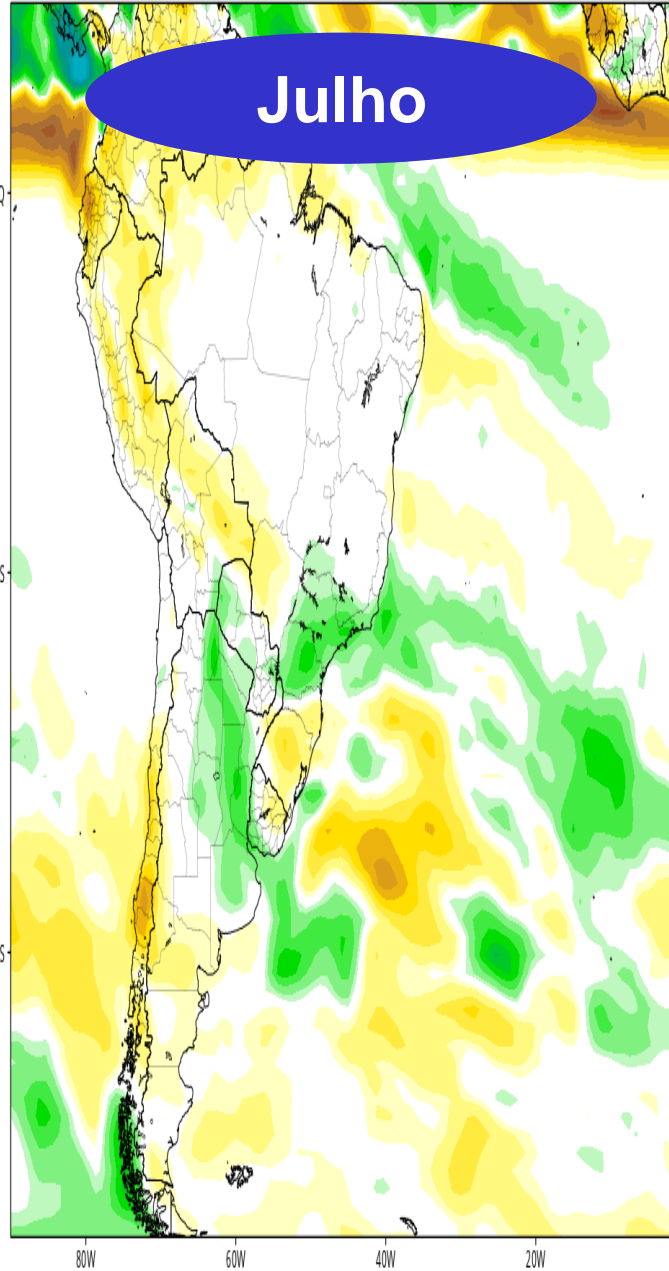
CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: Jul 2020

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Julho



CFSv2 Total Accumulated Precipitation Anomaly (mm)

Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Feb 24 2020 through 18z Feb 26 2020 Valid for: Aug 2020

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Agosto

