



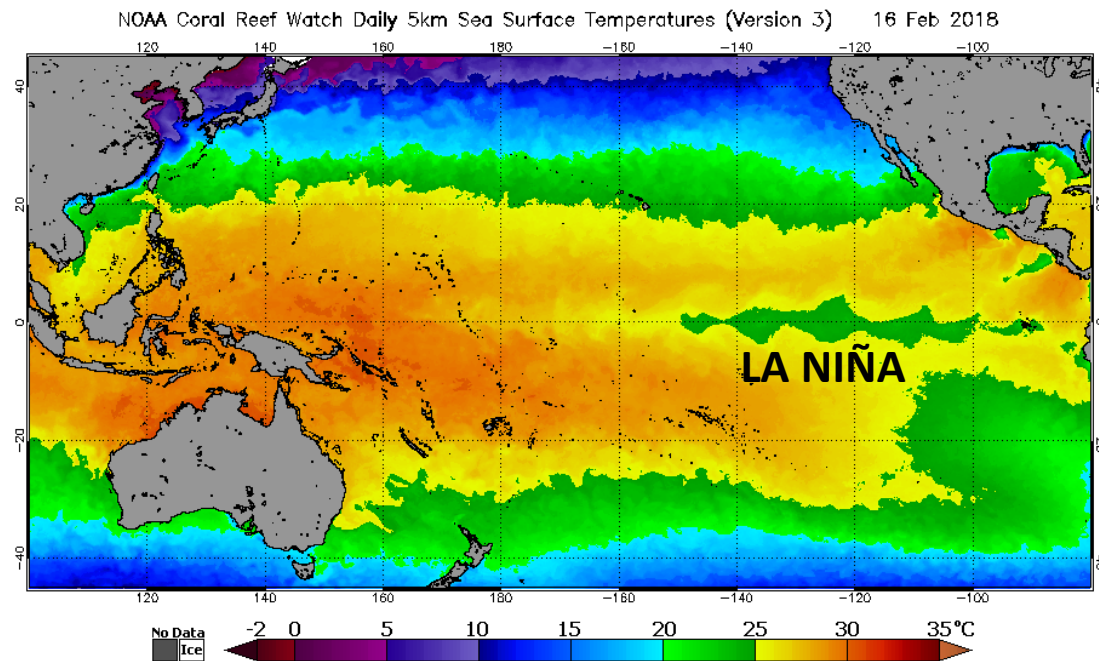
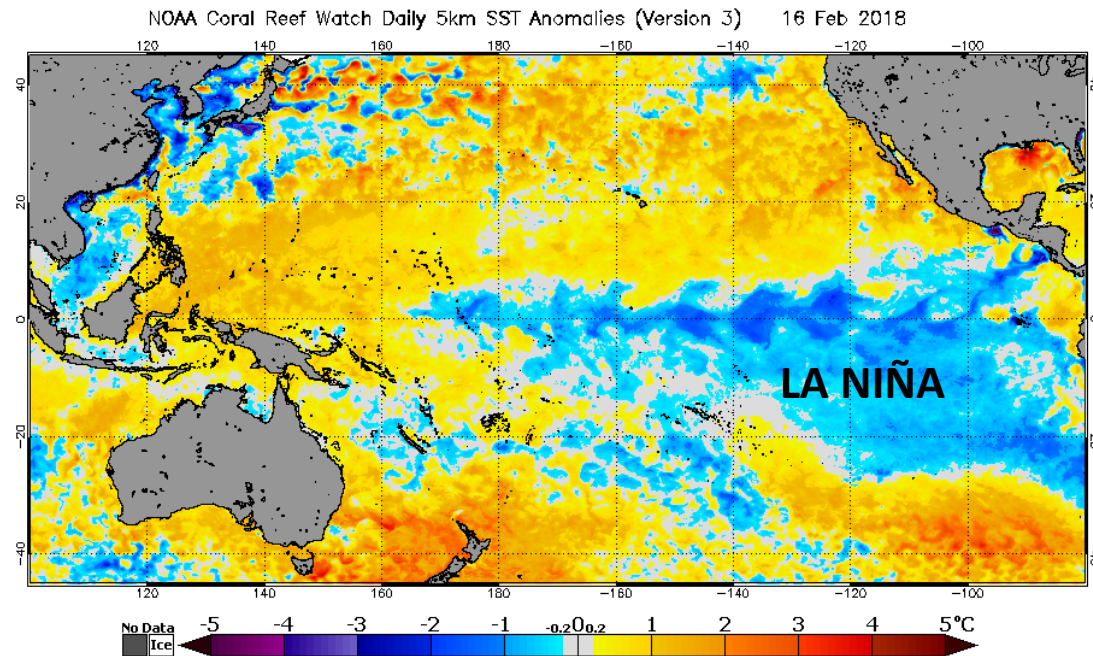
Perspectivas de las condiciones del tiempo y del clima para el Temporal de Lluvias 2018 en el Estado de Jalisco

VI Foro del Agua, UNIVA, Jalisco 20 de marzo 2018

Dr. Angel R. Meulenert Peña
Especialista en Meteorología y Climatología
Correo electrónico: armp010649@gmail.com

SITUACIÓN ACTUAL Y EVOLUCIÓN DE ENOS EN LOS PRÓXIMOS MESES

Evolución del Evento LA NIÑA desde el 16 de febrero hasta la fecha

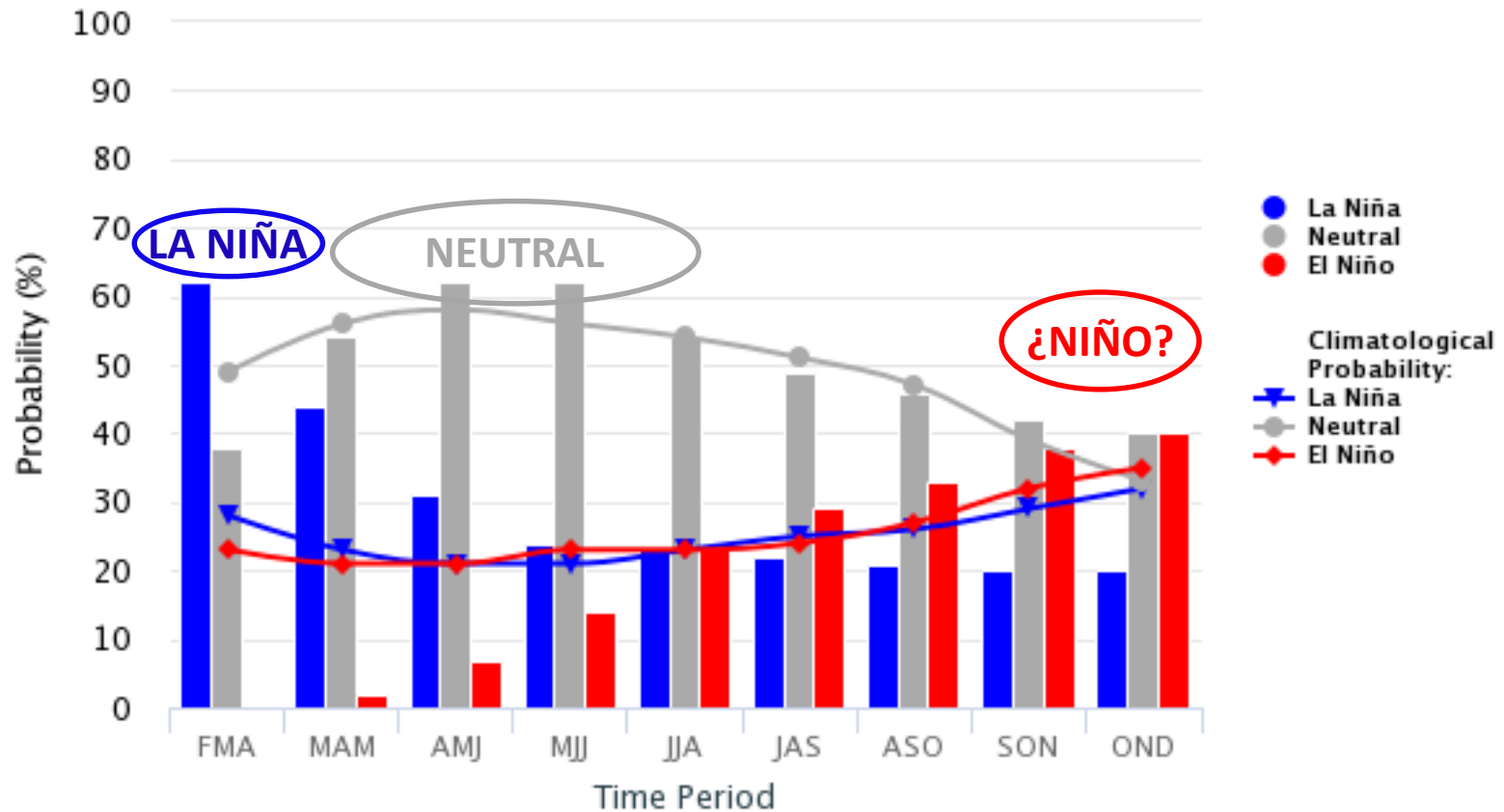


PRONÓSTICO DE ENOS DE FEB A DIC 2018

Early-Mar CPC/IRI Official Probabilistic ENSO Forecasts

ENSO state based on NINO3.4 SST Anomaly

Neutral ENSO: -0.5°C to 0.5°C



PRONÓSTICO DE PRECIPITACIONES EN LOS MESES DEL TEMPORAL DE LLUVIAS

PRONÓSTICO DE LLUVIAS PARA EL TEMPORAL 2018

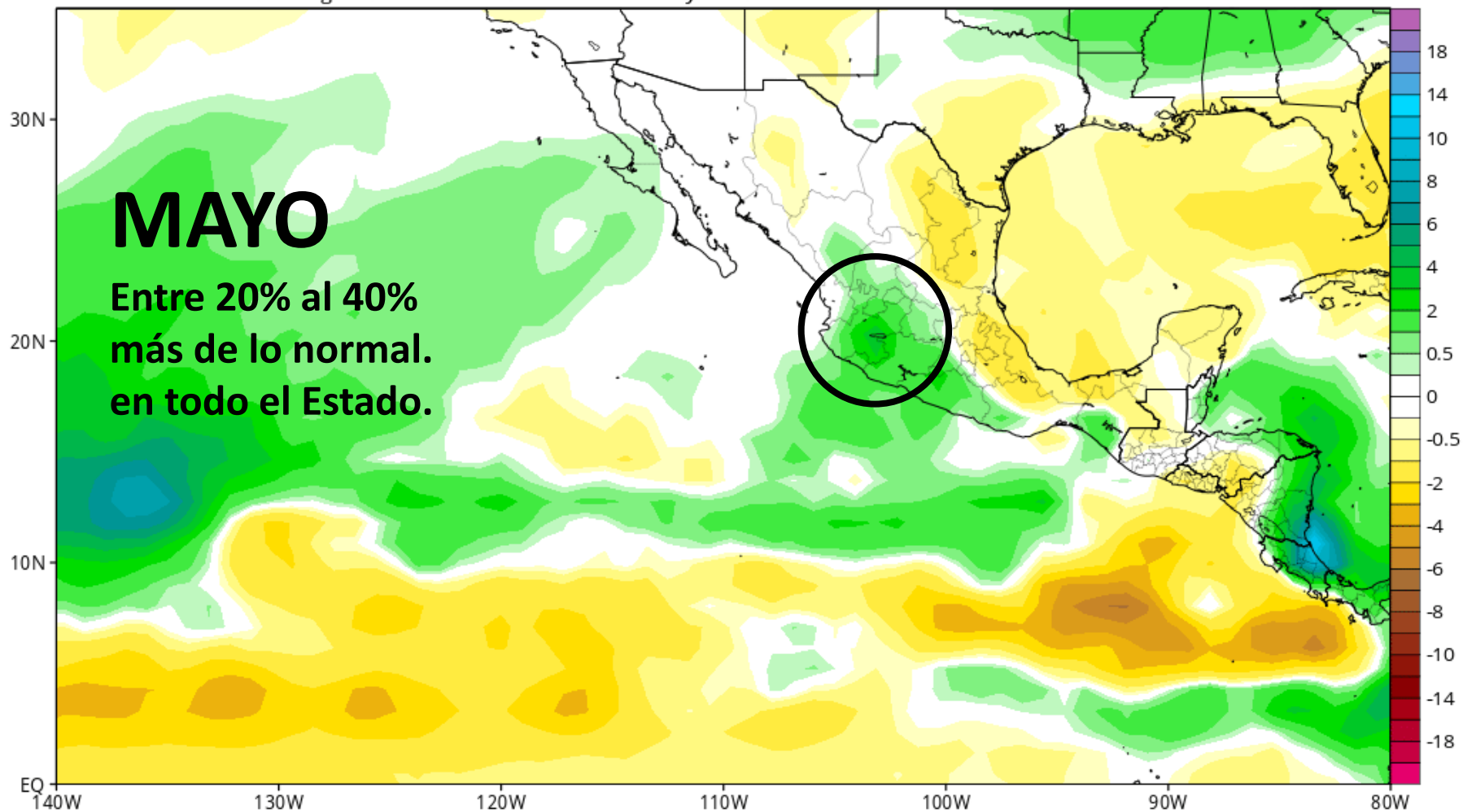
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Mar 11 2018 through 18z Mar 13 2018

Valid for: May 2018

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PRONÓSTICO DE LLUVIAS PARA EL TEMPORAL 2018

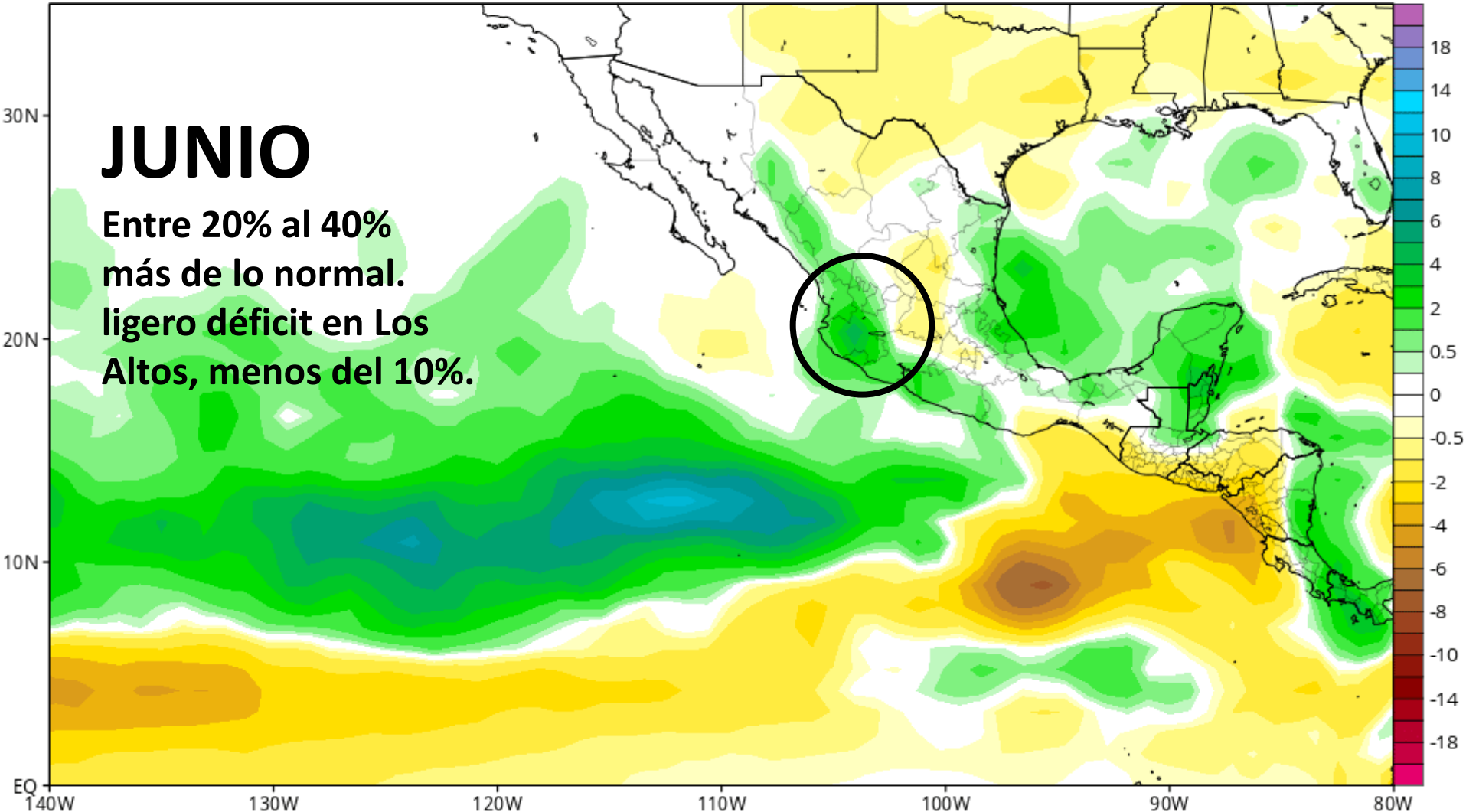
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018

Valid for: Jun 2018

TROPICALTIDBITS.COM



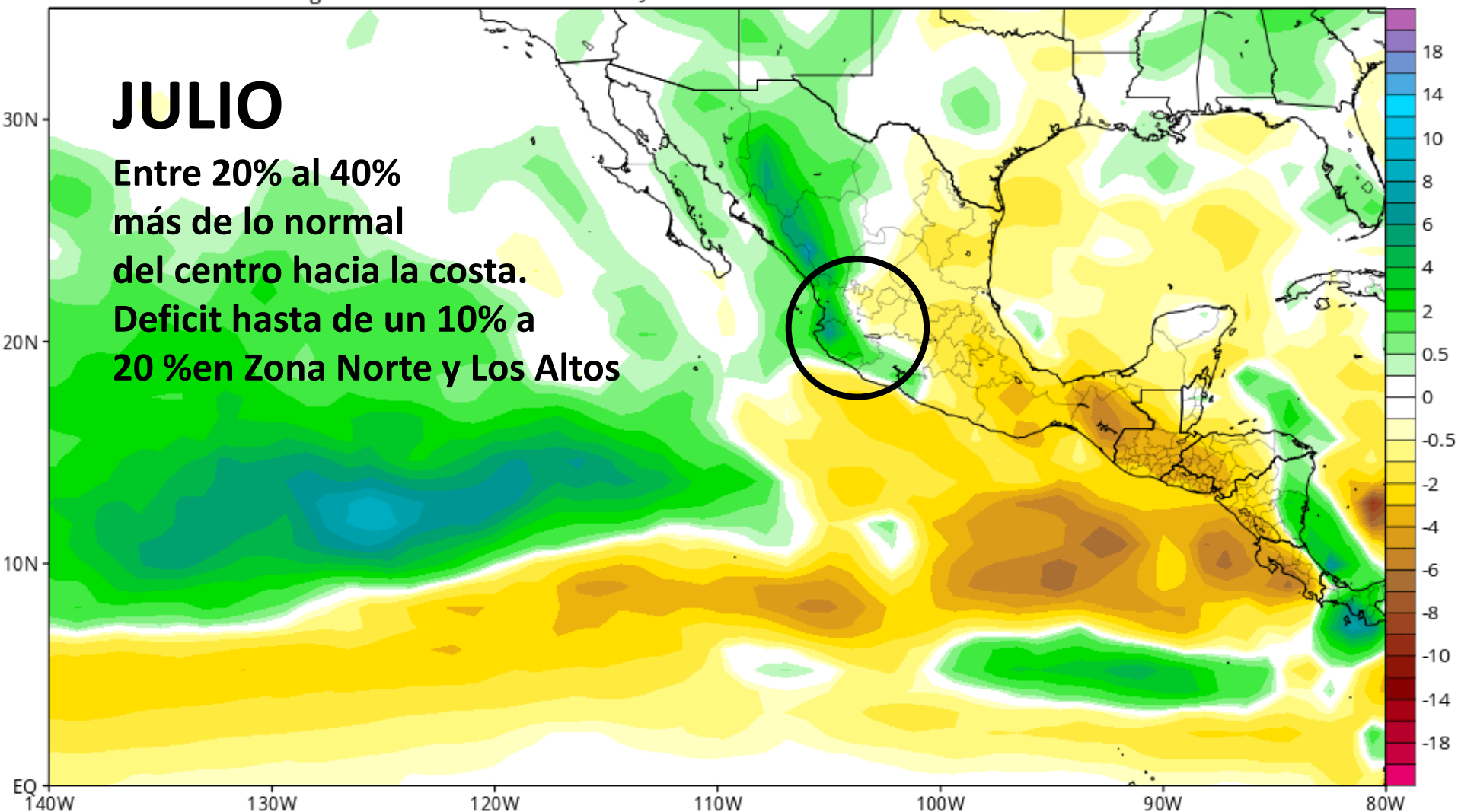
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018

Valid for: Jul 2018

TROPICALTIDBITS.COM



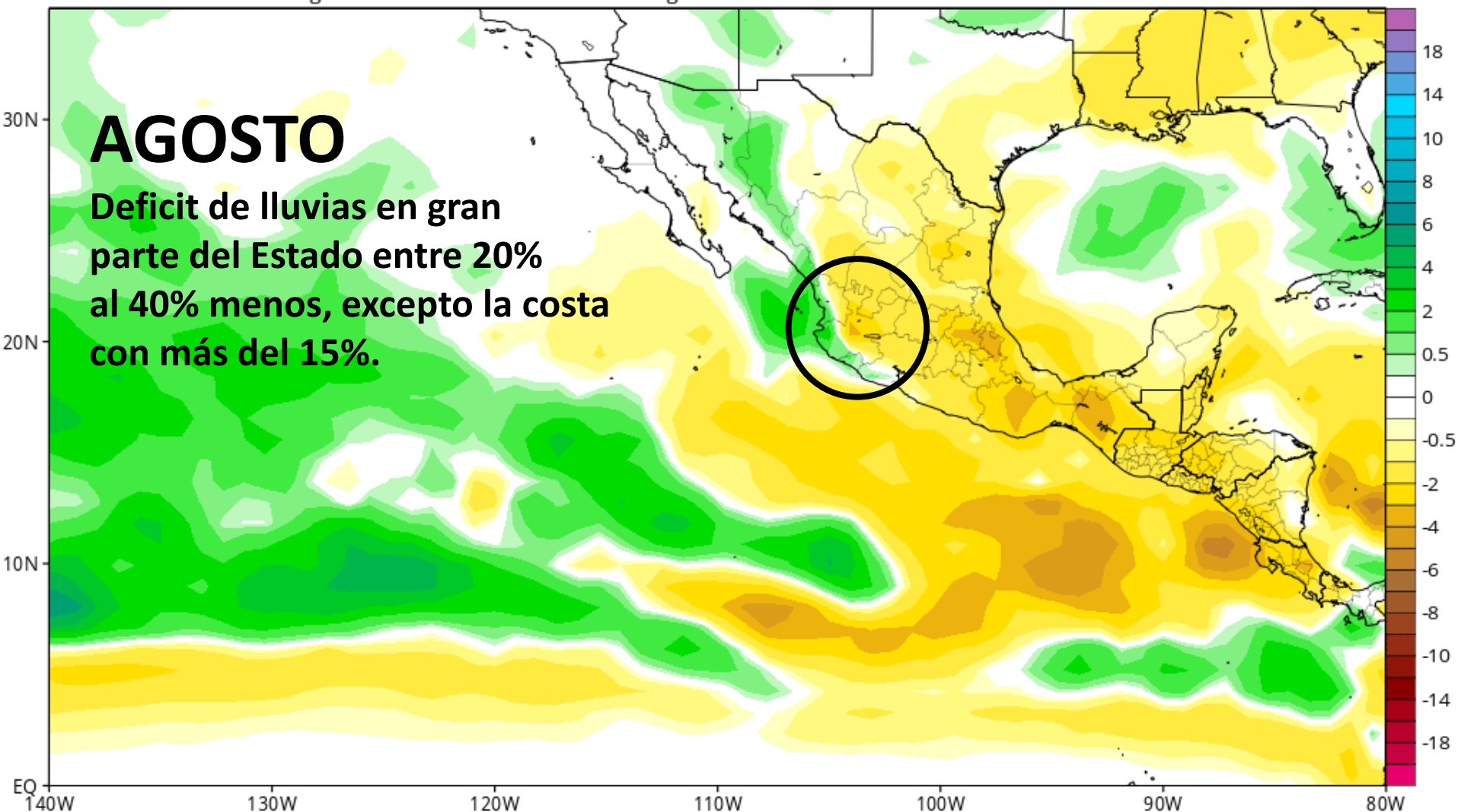
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018

Valid for: Aug 2018

TROPICALTIDBITS.COM



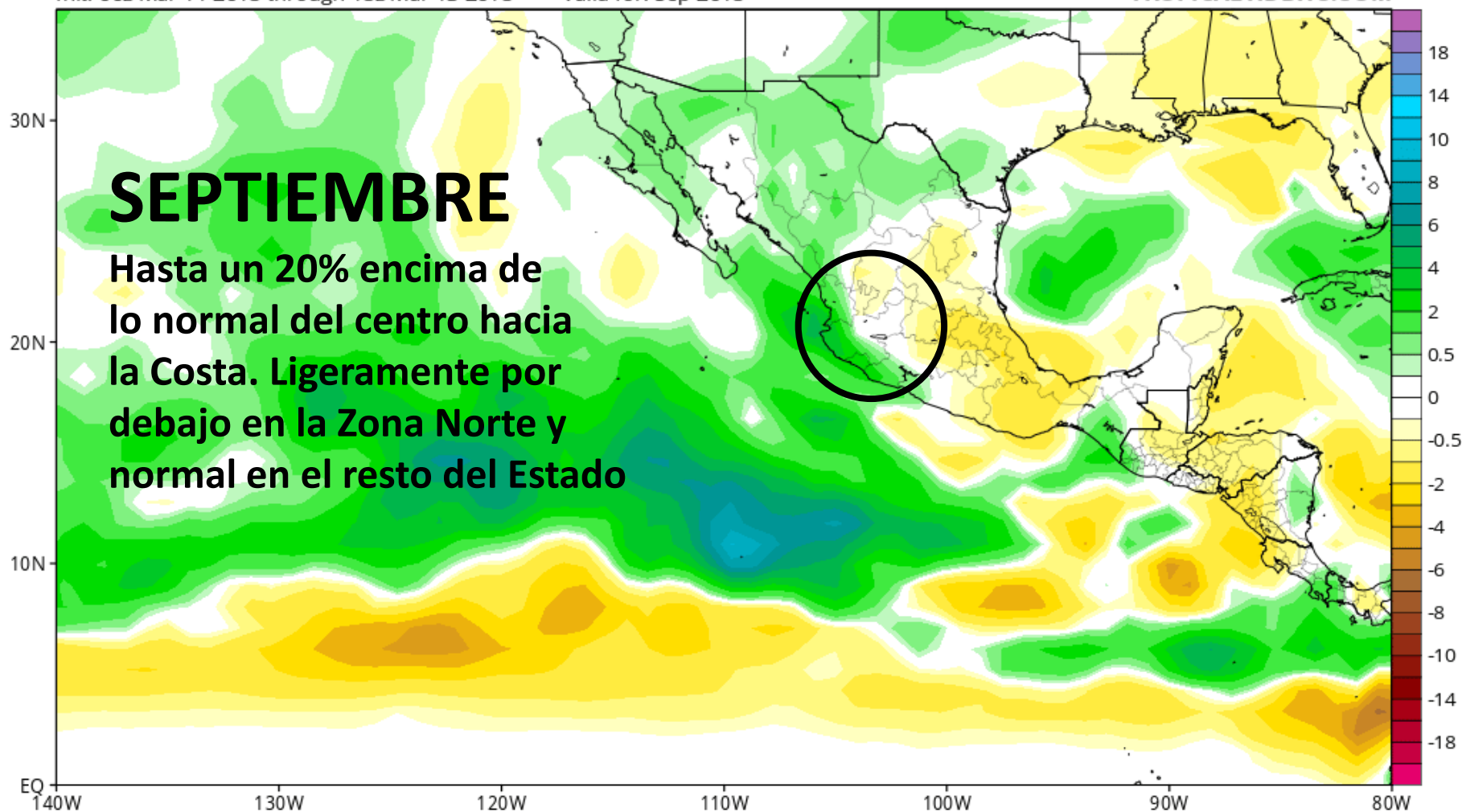
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Mar 11 2018 through 18z Mar 13 2018

Valid for: Sep 2018

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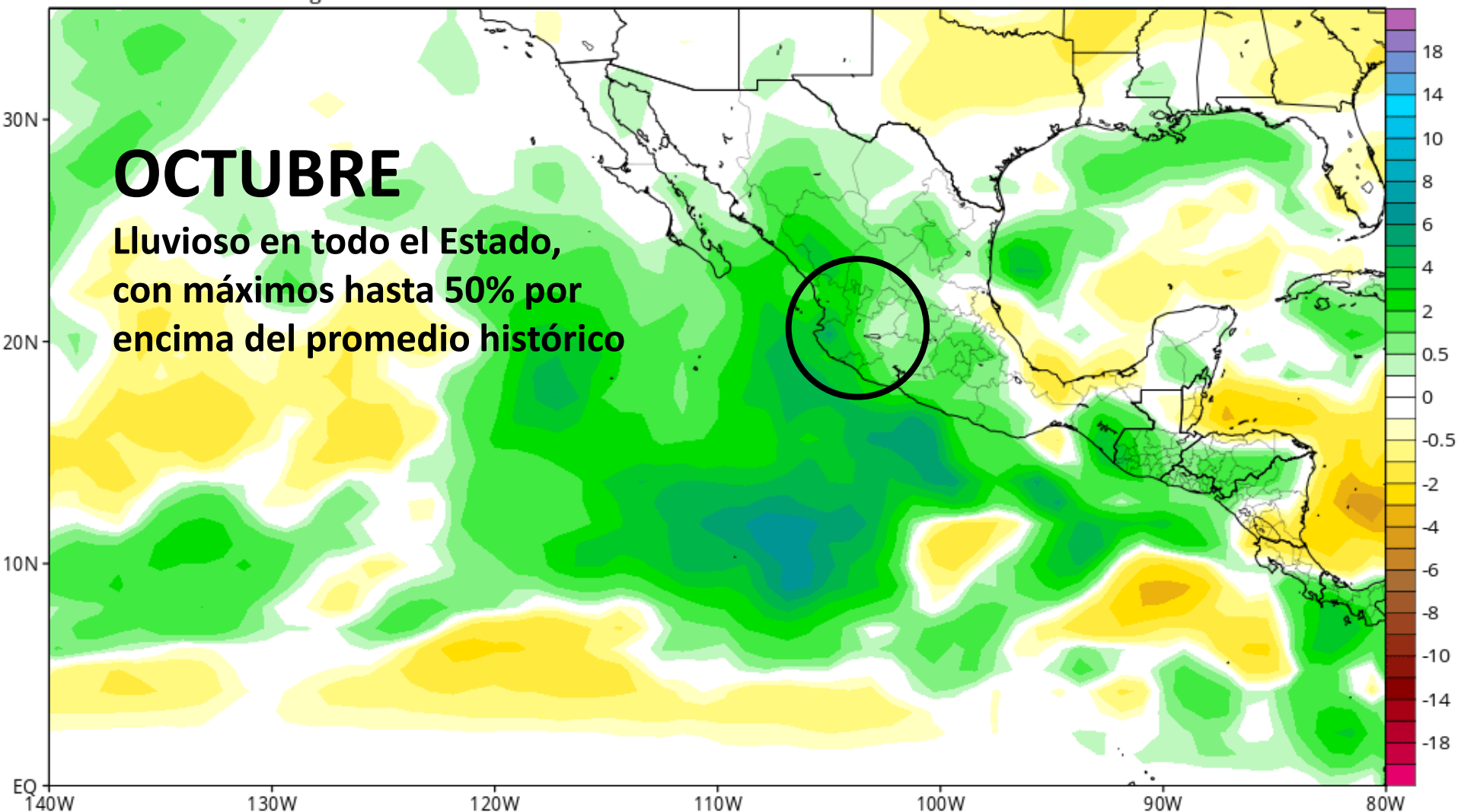
CFSv2 Total Accumulated Precipitation Anomaly (inches)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018

Valid for: Oct 2018

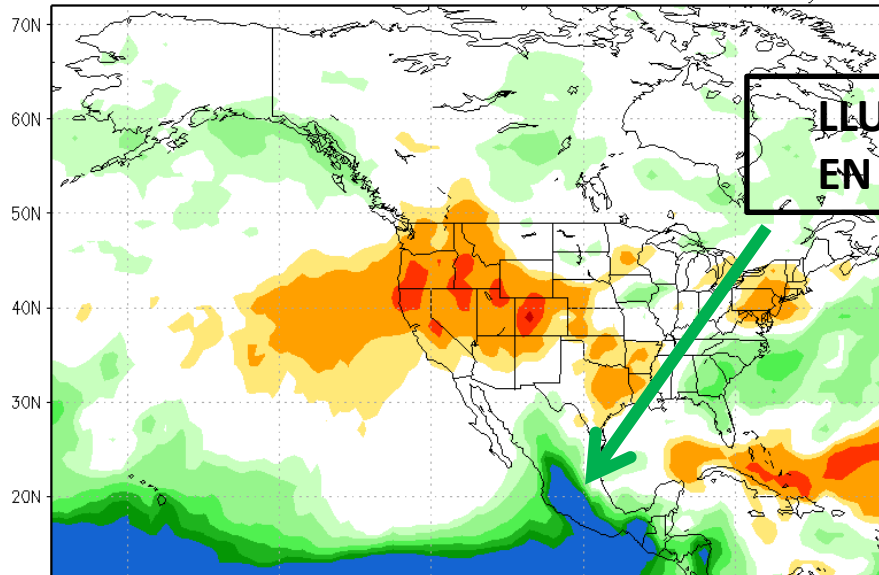
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COMPARATIVA DE RESULTADOS

Comparativa con otro modelo de pronóstico

NMME Forecast of Prec. rate Anom IC=201803 for Lead 2 2018May

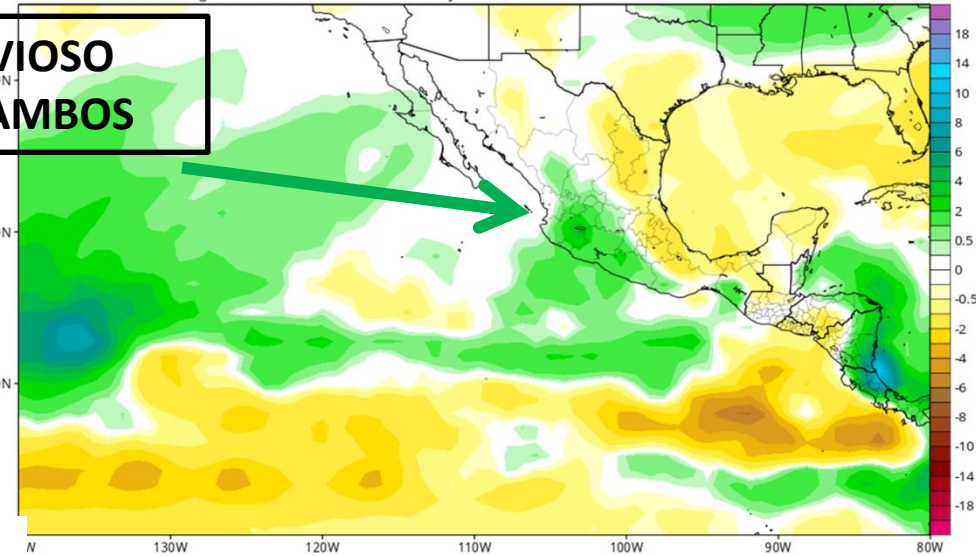


CFSv2 Total Accumulated Precipitation Anomaly (inches)

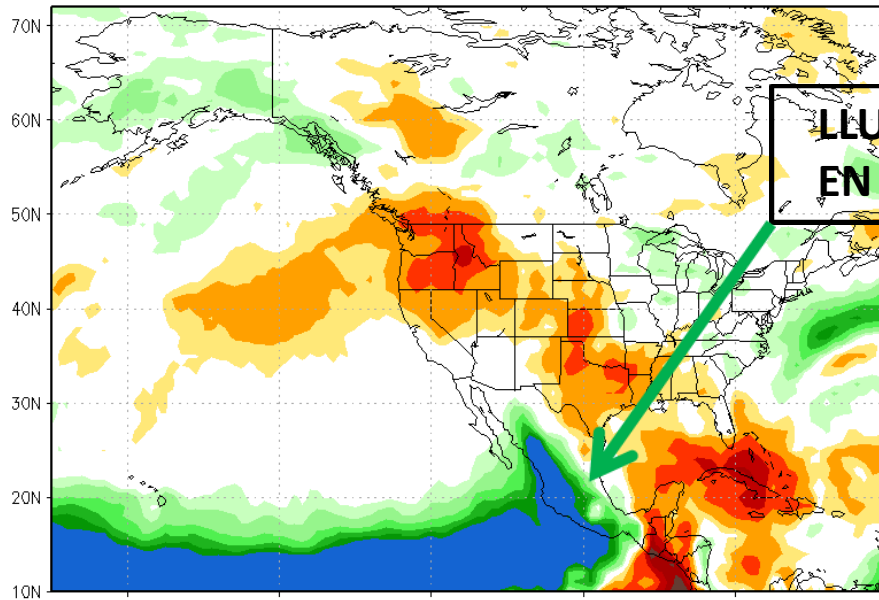
Average of last 12 forecasts (12 runs x 1 members)

Init: 00z Mar 11 2018 through 18z Mar 13 2018 Valid for: May 2018

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NMME Forecast of Prec. rate Anom IC=201803 for Lead 3 2018Jun

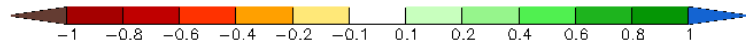
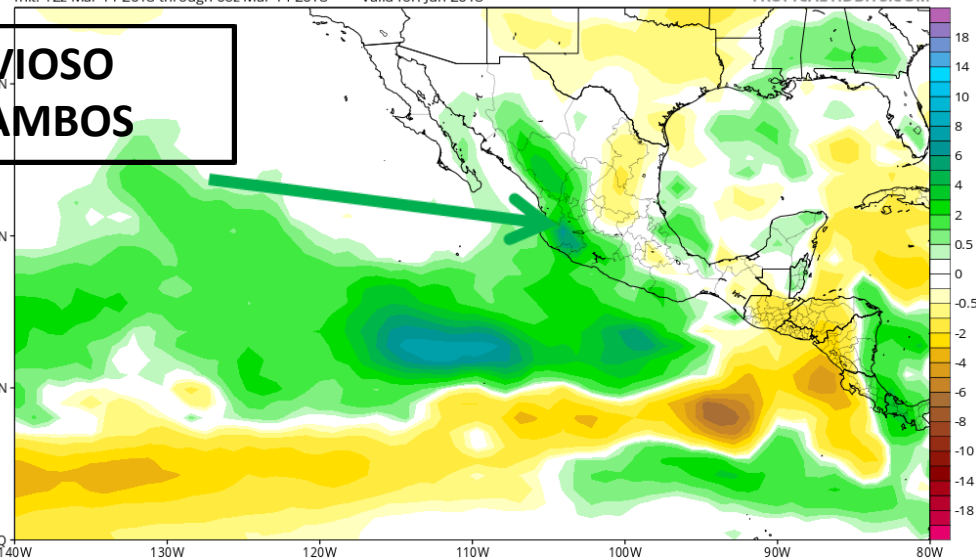


CFSv2 Total Accumulated Precipitation Anomaly (inches)

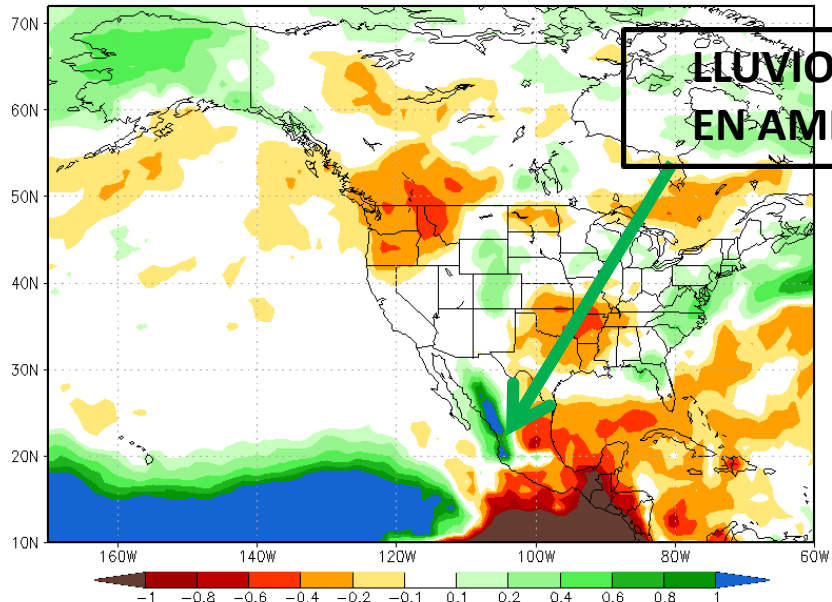
Average of last 12 forecasts (12 runs x 1 members)

Init: 12z Mar 11 2018 through 06z Mar 14 2018 Valid for: Jun 2018

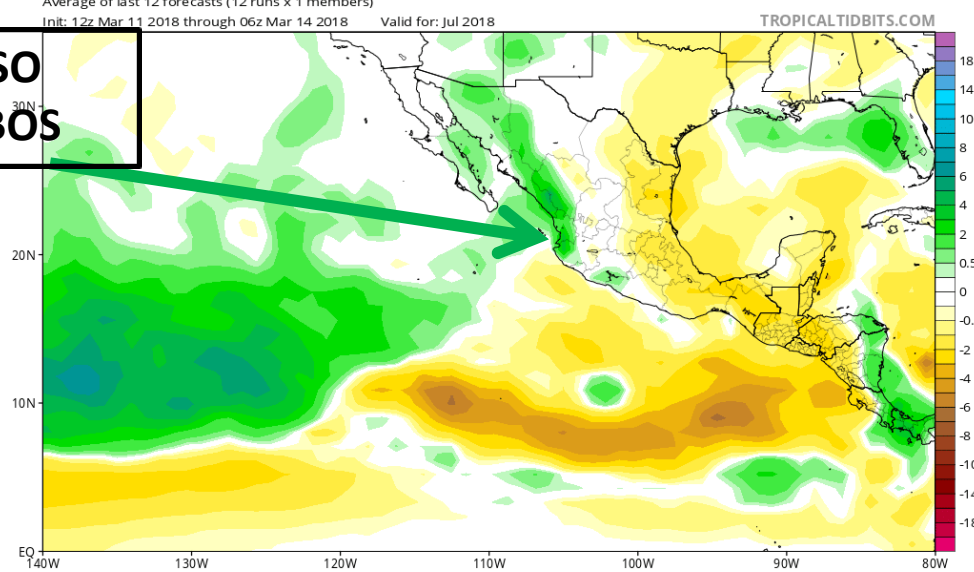
TROPICALTIDBITS.COM



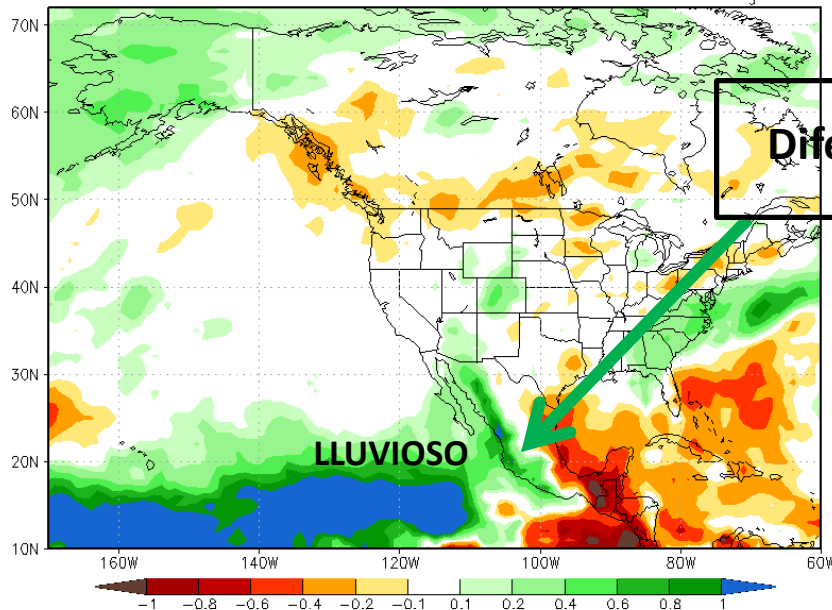
NMME Forecast of Prec. rate Anom IC=201803 for Lead 4 2018Jul



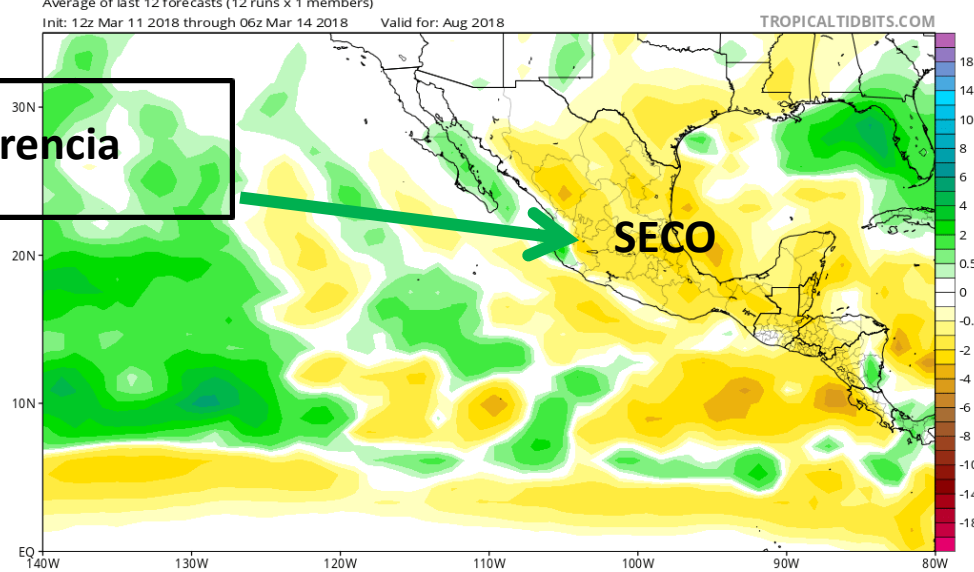
CFSv2 Total Accumulated Precipitation Anomaly (inches)
Average of last 12 forecasts (12 runs x 1 members)
Init: 12z Mar 11 2018 through 06z Mar 14 2018 Valid for: Jul 2018



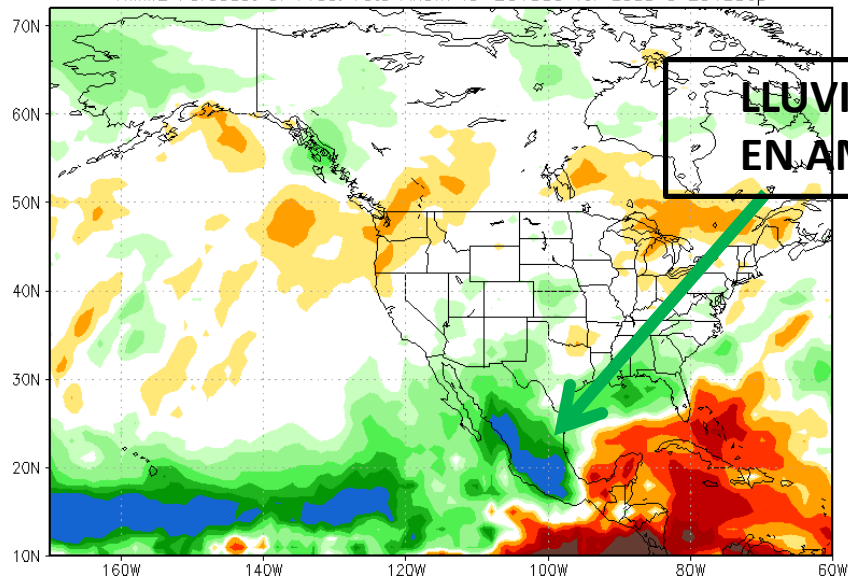
NMME Forecast of Prec. rate Anom IC=201803 for Lead 5 2018Aug



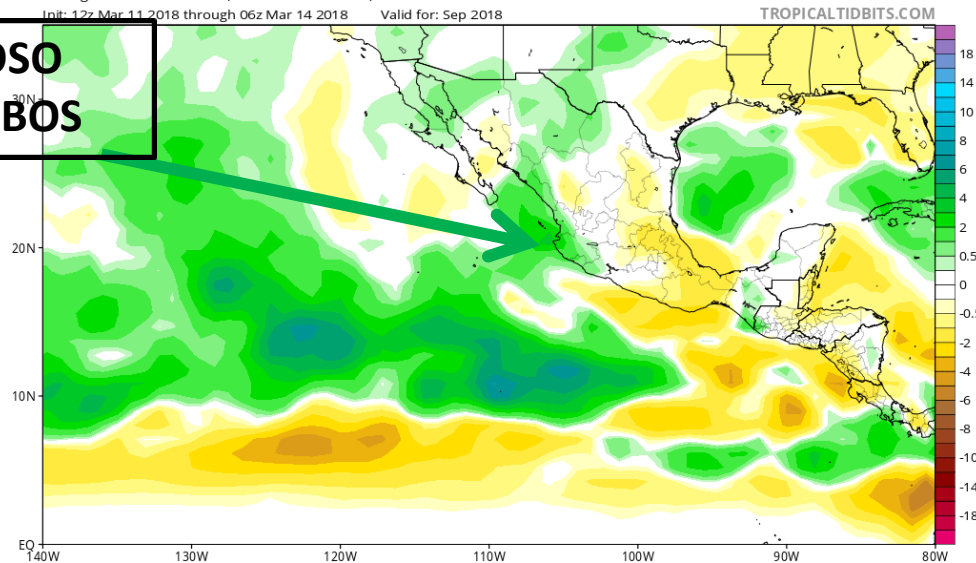
CFSv2 Total Accumulated Precipitation Anomaly (inches)
Average of last 12 forecasts (12 runs x 1 members)
Init: 12z Mar 11 2018 through 06z Mar 14 2018 Valid for: Aug 2018



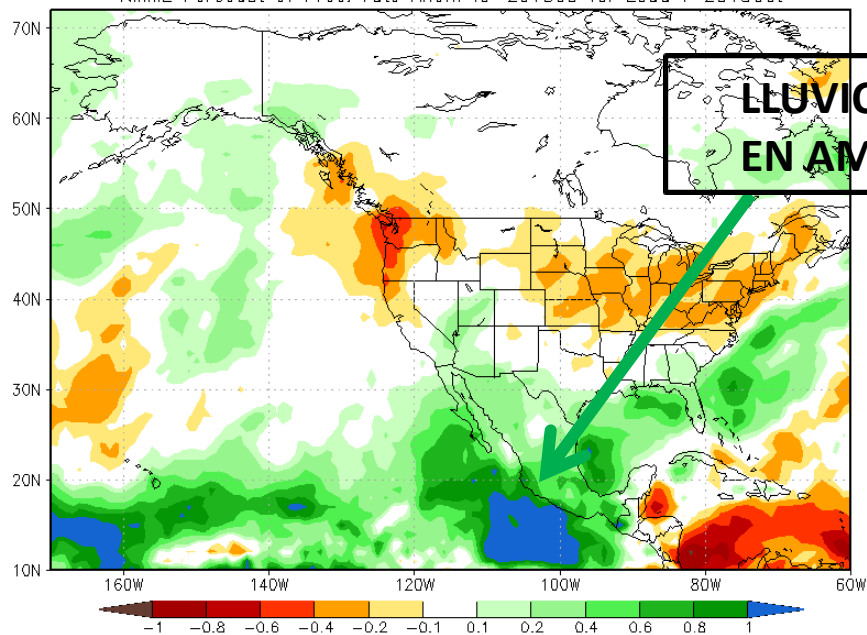
NMME Forecast of Prec. rate Anom IC=201803 for Lead 6 2018Sep



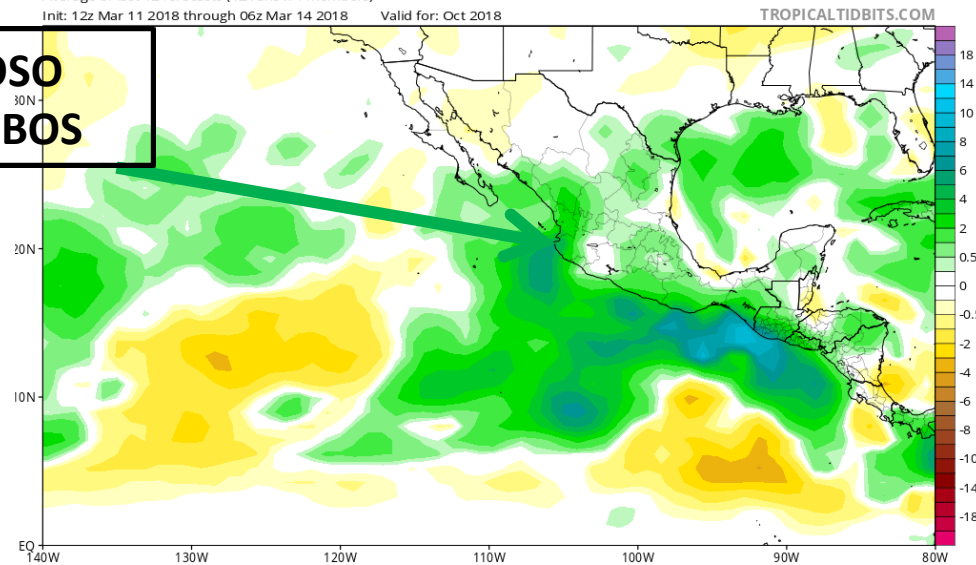
CFSv2 Total Accumulated Precipitation Anomaly (inches)
Average of last 12 forecasts (12 runs x 1 members)
Init: 12z Mar 11 2018 through 06z Mar 14 2018 Valid for: Sep 2018



NMME Forecast of Prec. rate Anom IC=201803 for Lead 7 2018Oct



CFSv2 Total Accumulated Precipitation Anomaly (inches)
Average of last 12 forecasts (12 runs x 1 members)
Init: 12z Mar 11 2018 through 06z Mar 14 2018 Valid for: Oct 2018



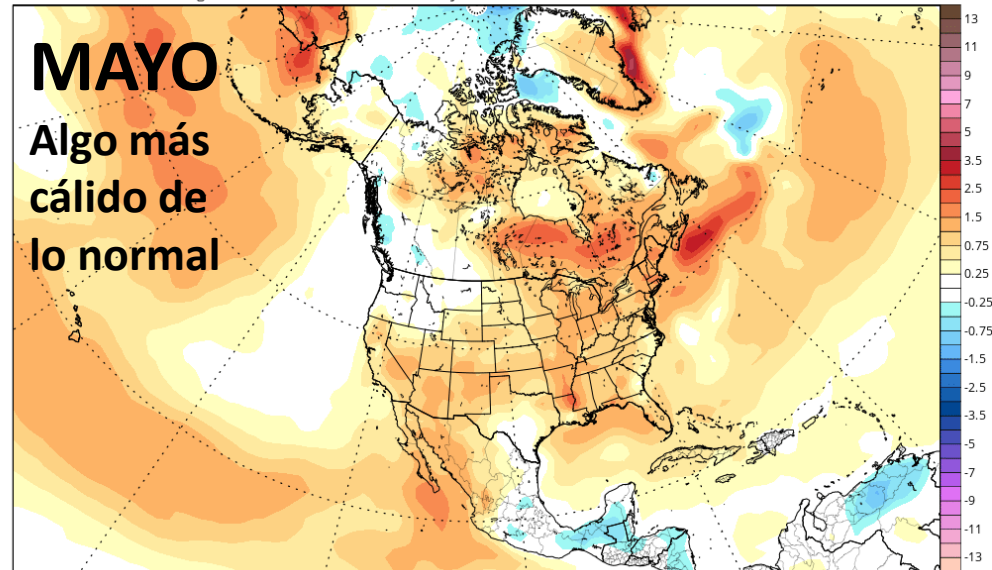
PRONÓSTICO DE TEMPERATURAS EN LOS MESES DEL TEMPORAL DE LLUVIAS

CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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

Init: 00z Mar 15 2018 through 18z Mar 17 2018 Valid for: May 2018

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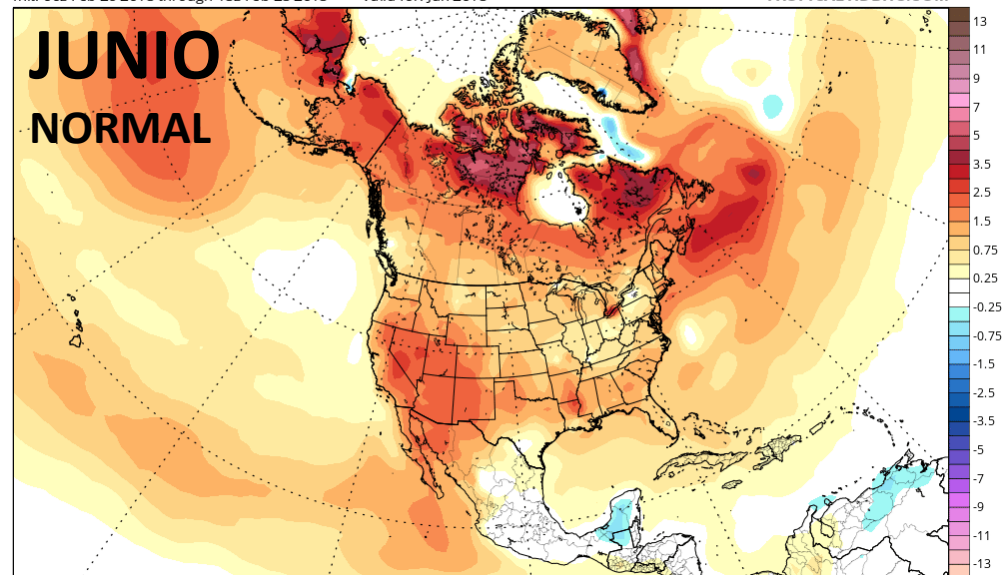


CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018 Valid for: Jun 2018

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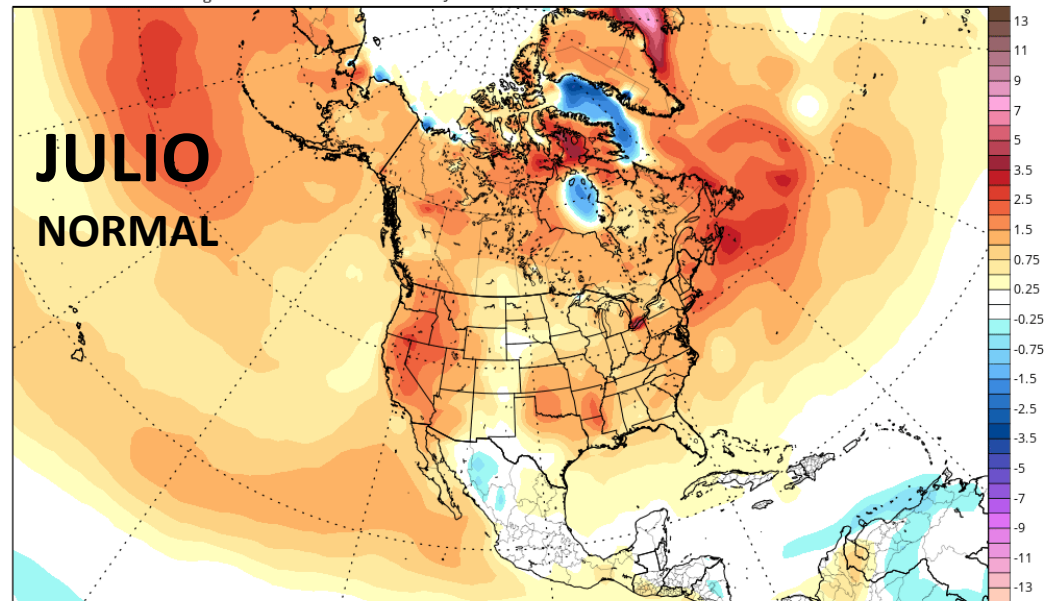
CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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

Init: 00z Feb 26 2018 through 18z Feb 28 2018

Valid for: Jul 2018

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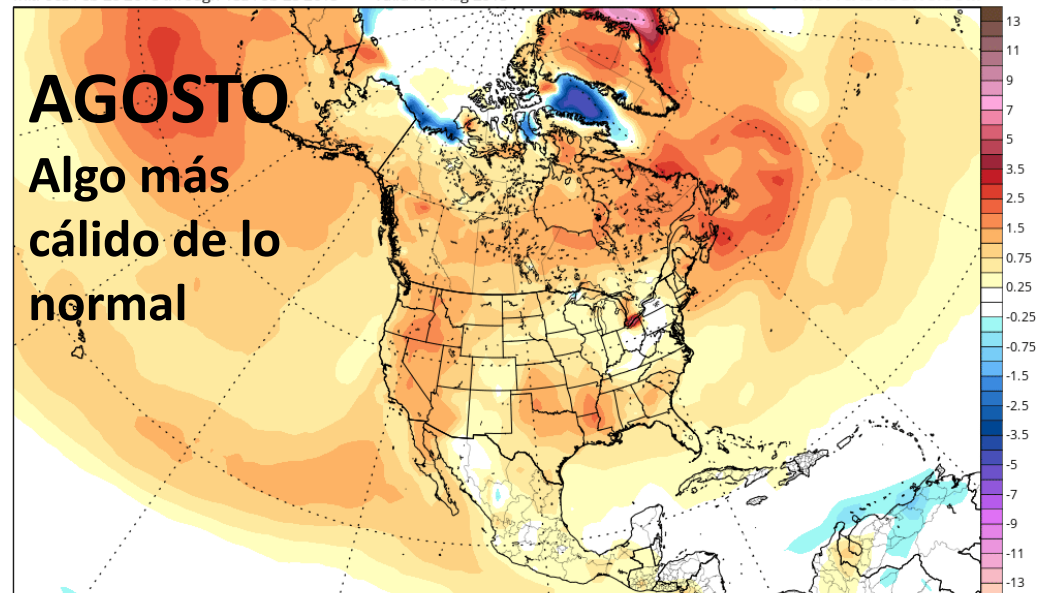
CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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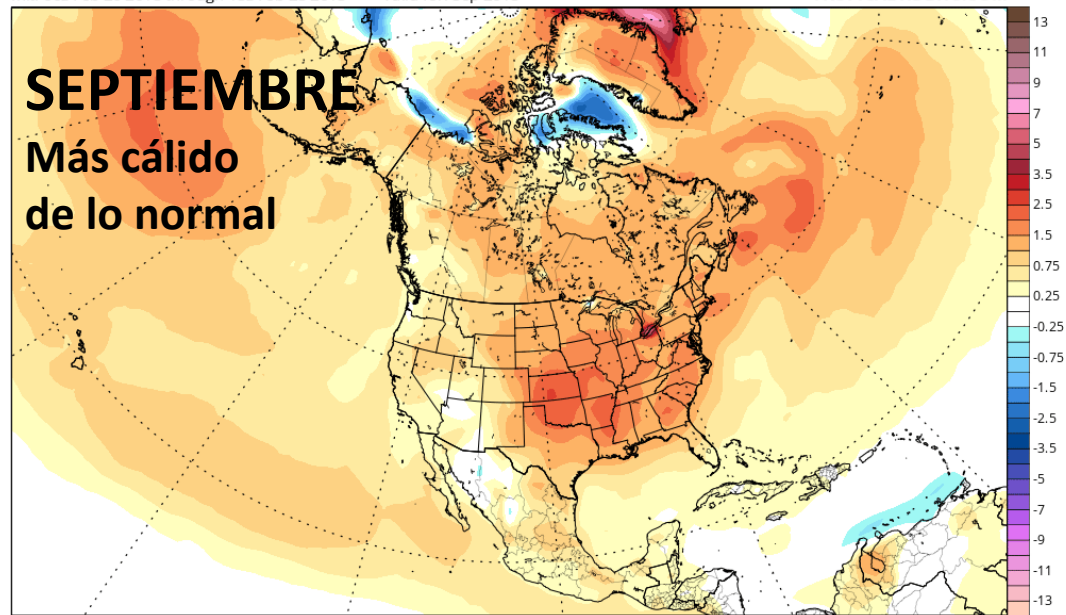


CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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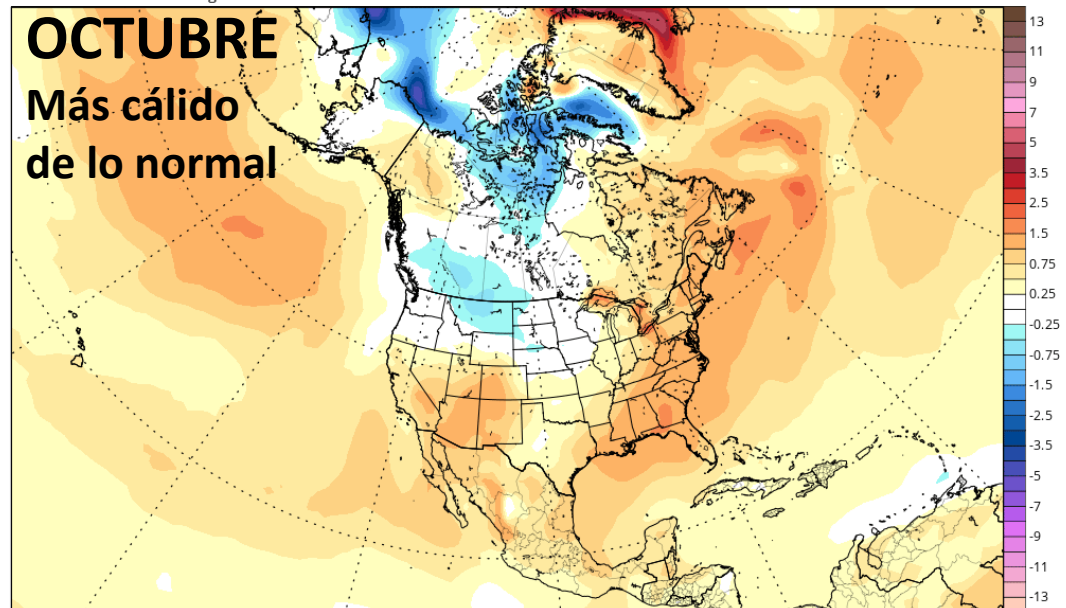


CFSv2 2-meter Temperature Anomaly (°C) (based on 1984-2009 Model Climatology)

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Init: 00z Mar 15 2018 through 18z Mar 17 2018 Valid for: Oct 2018

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Conclusiones

- 1. La NIÑA comienza a debilitarse en el océano Pacífico tropical, por lo que gradualmente se entrará en fase neutral e irán normalizandose las condiciones atmosféricas en la región.**
- 2. Algunos modelos de pronóstico indican que aumentan las probabilidades de que en el último trimestre del año comience un evento NIÑO, o sea, calentamiento de las aguas del Pacífico tropical, aunque hay mucha incertidumbre con este resultado.**
- 3. Los pronóstico para el temporal muestran que las lluvias tendrían un comportamiento ligeramente irregular en algunas regiones del Estado, como Los Altos y Norte aunque los déficit de lluvias no serían tan drásticos como los del año anterior. El mes más critico sería Agosto, con déficit de lluvias, pero en septiembre y octubre habrían mas lluvias de lo normal.**
- 4. El temporal de lluvias en las diferentes regiones del Estado comenzaría algo más adelantado de las fechas históricas de cada zona, o sea, región Sur y Cienega entre el 7 al 9 de junio; Centro y Valles alrededor del 9 al 10 de junio; Los Altos y Norte entre el 11 al 13 de junio y La Costa a partir del 14 de junio.**

Contacto:

Dr. Angel R. Meulenert Peña

Especialista en Meteorología y Climatología

Teléfonos:

Oficina: 0133-36164937 ext. 105

Celular: 3336625591

Correo: armp010649@gmail.com

Correo alternativo: ameulene@agromet.com.mx



@ameulene



Angel Meulenert



Angel Meulenert

Página web: www.agromet.com.mx

**Televisa Canal 4. GDL Contigo de 01:15 p.m., 02:15 p.m.,
03:15 p.m.**

Canal 44 UDG