CENTRO INTERNACIONAL PARA LA INVESTIGACIÓN DEL FENÓMENO DE EL NIÑO

“Perspectivas sobre un nuevo fenómeno de “El Niño”.

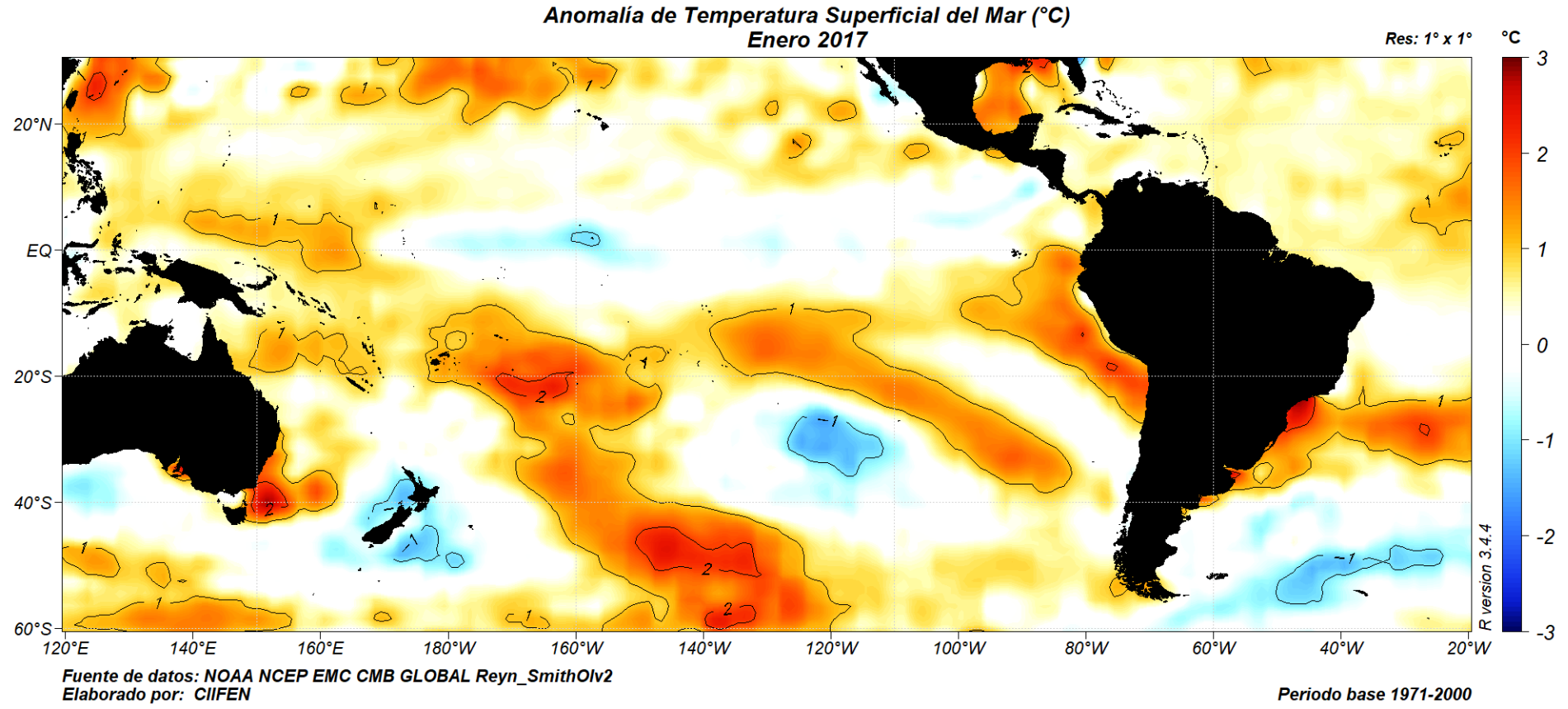
CIIFEN

www.ciifen.org

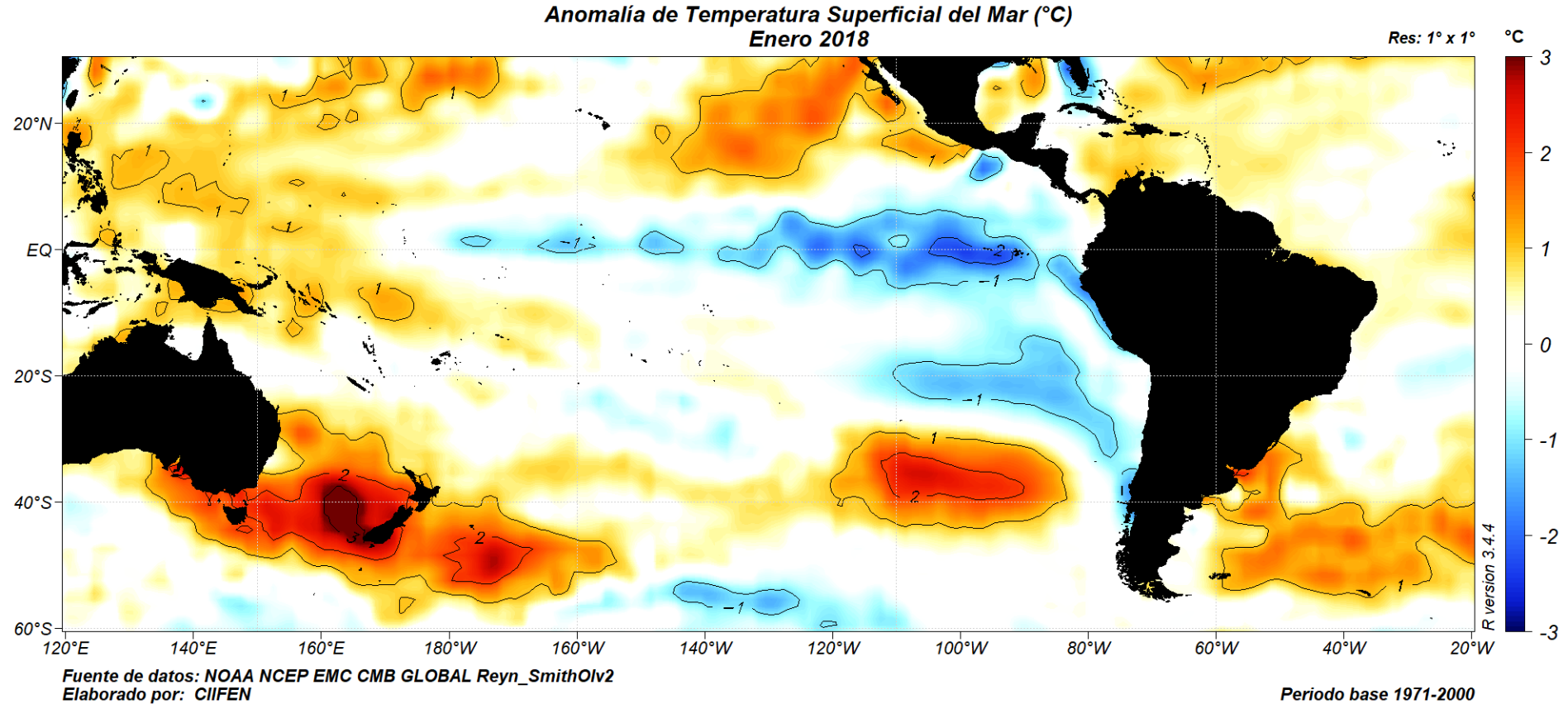
Eduardo Zambrano Q.
e.zambrano@ciifen.org

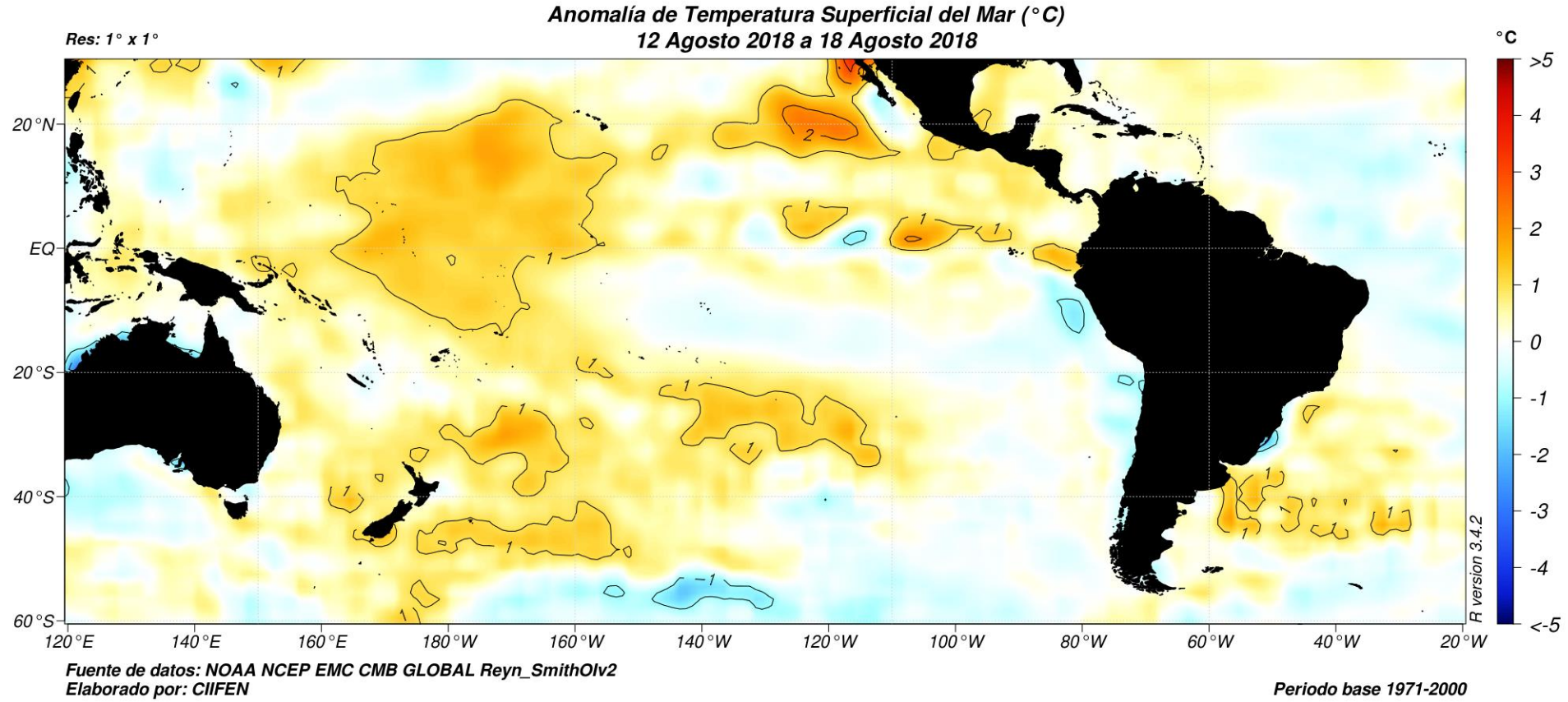
Condiciones Oceánicas y Atmosféricas

Anomalía de la TSM 2017 (ºC)

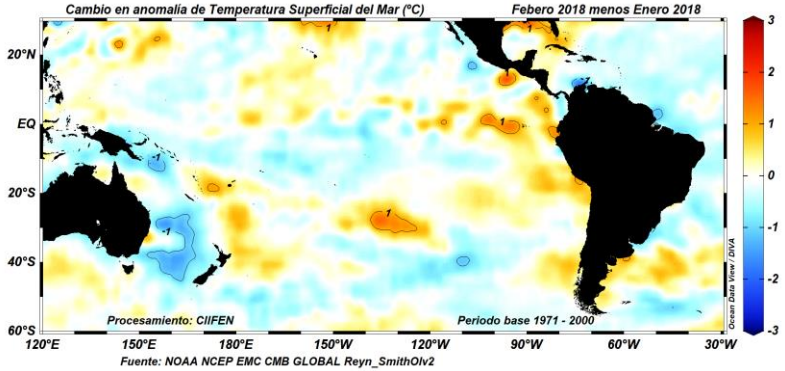


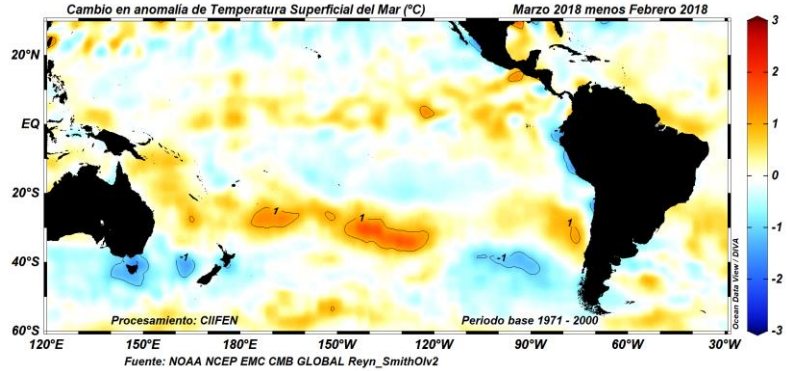
Anomalía de la TSM 2018 (ºC)

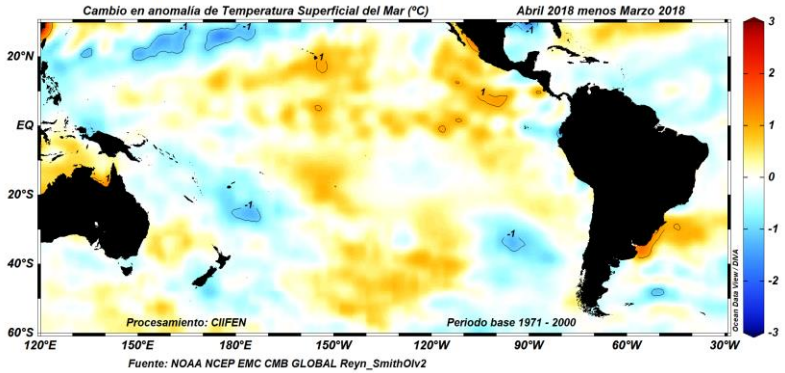


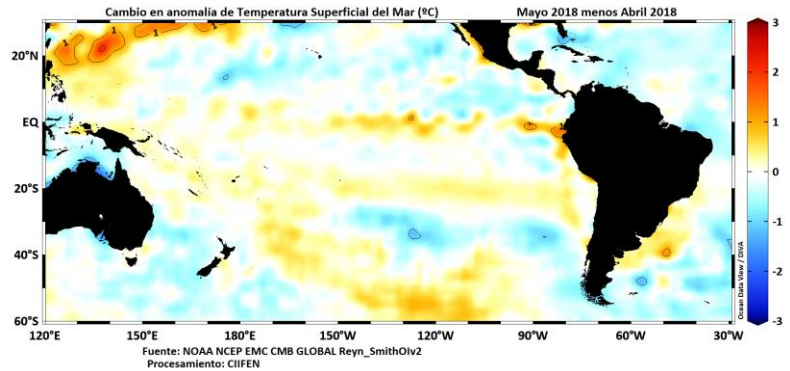

Anomalía de Temperatura Superficial del Mar (°C)
12 Agosto 2018 a 18 Agosto 2018
Res: 1° x 1°
°C
>5
4
3
2
1
0
-1
-2
-3
-4
<-5
20°N
EQ
20°S
40°S
60°S
120°E
140°E
160°E
180°W
160°W
140°W
120°W
100°W
80°W
60°W
40°W
20°W
R version 3.4.2
Fuente de datos: NOAA NCEP EMC CMB GLOBAL Reyn_SmithOIv2
Elaborado por: CIIFEN
Periodo base 1971-2000

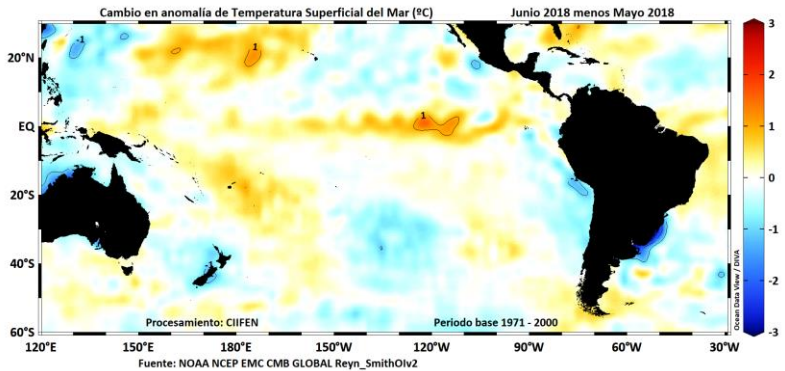
Cambio mensual de anomalía de TSM (ºC)

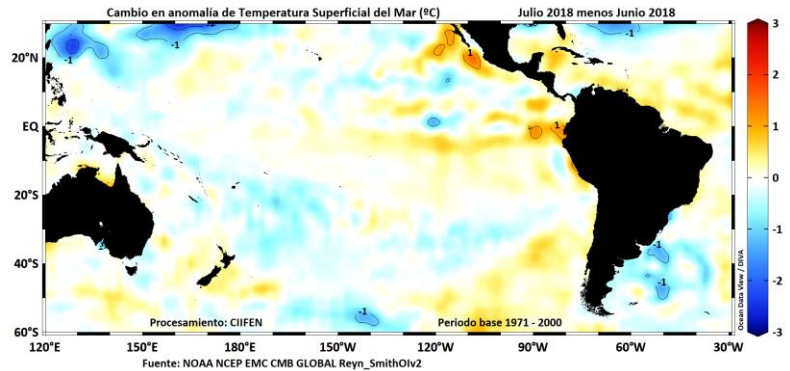




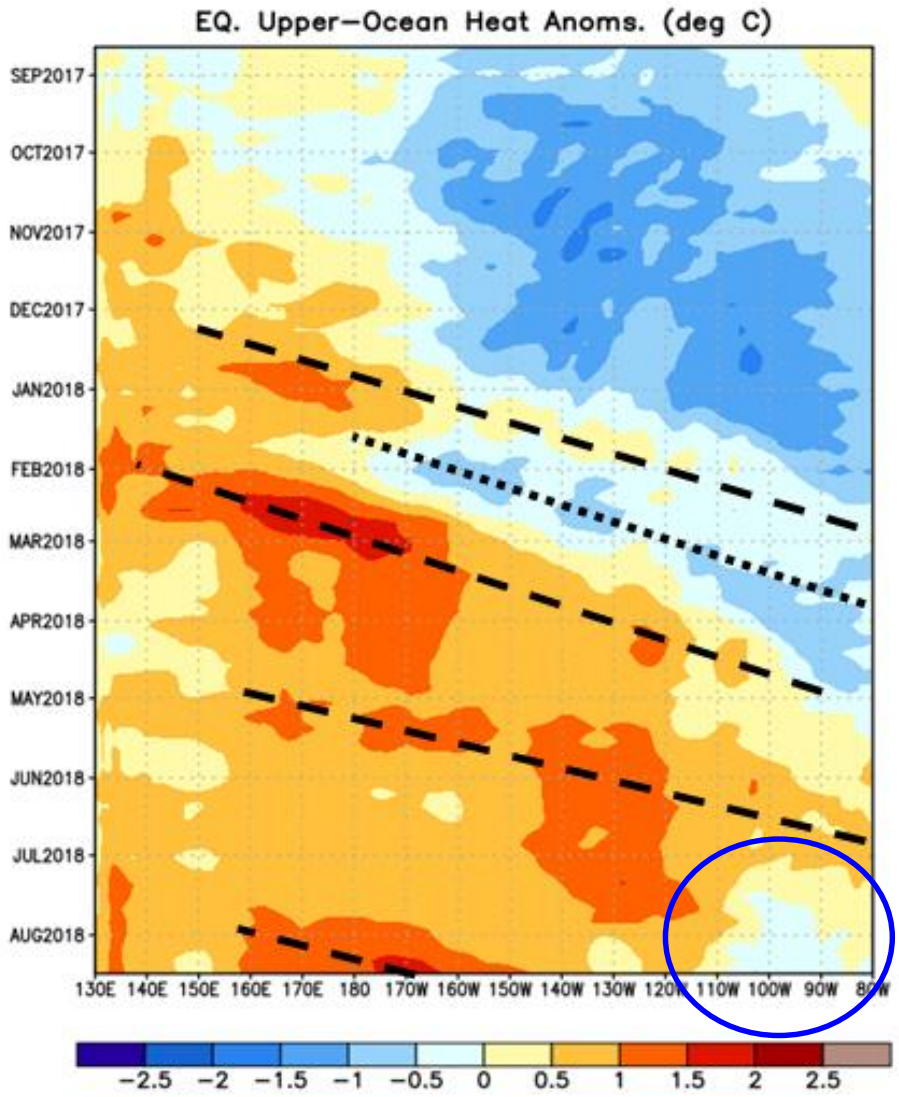






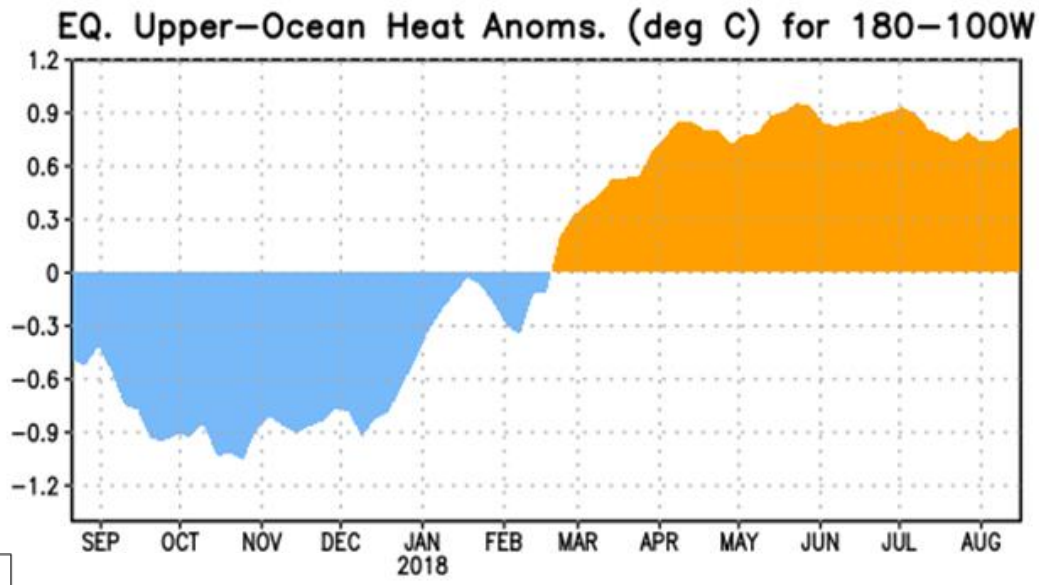


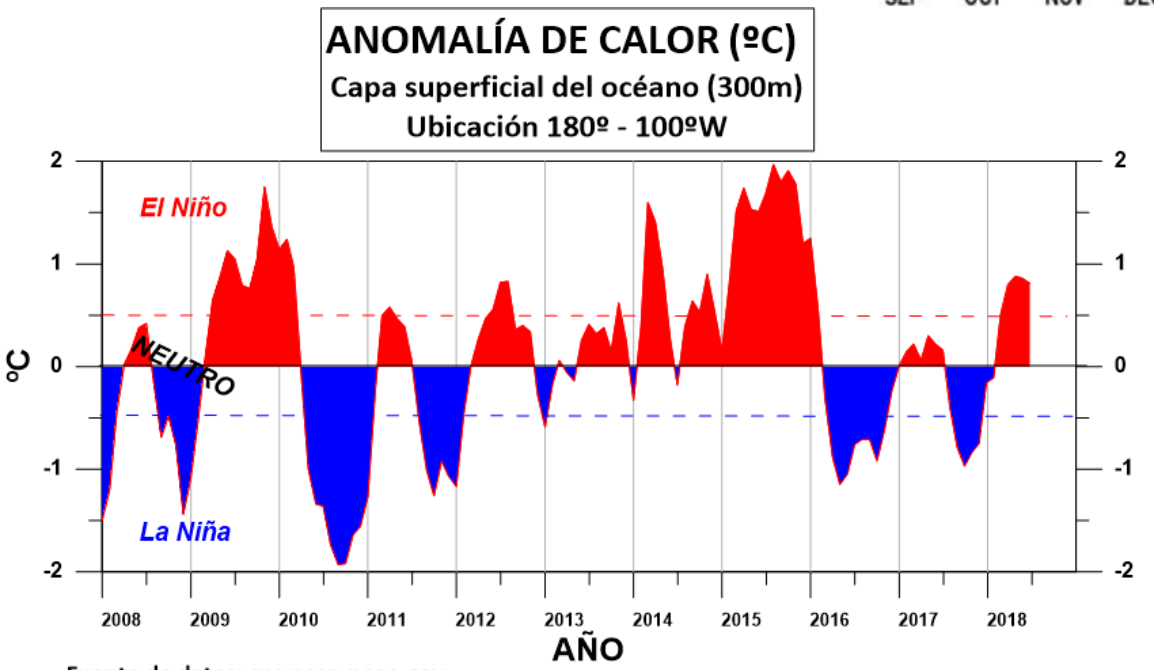
Anomalía de Calor (ºC)
Sección ecuatorial



Fuente: CPC.NCEP.NOAA.GOV

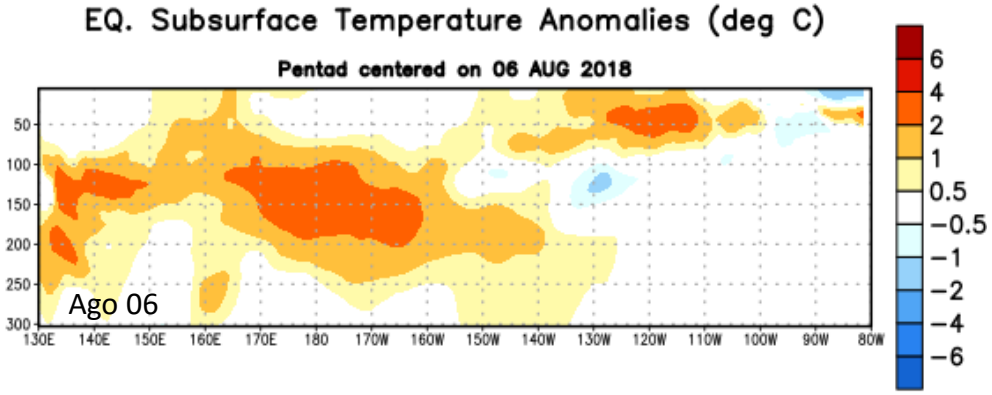
Anomalía de Calor (ºC) 180º-100ºW

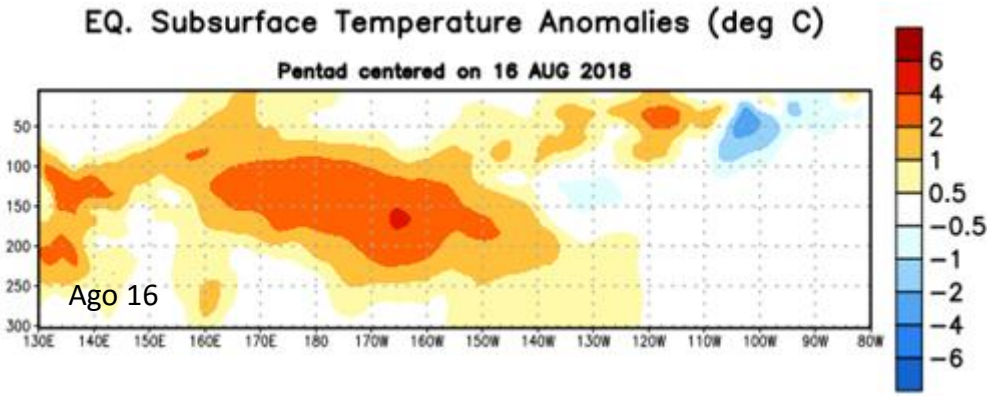


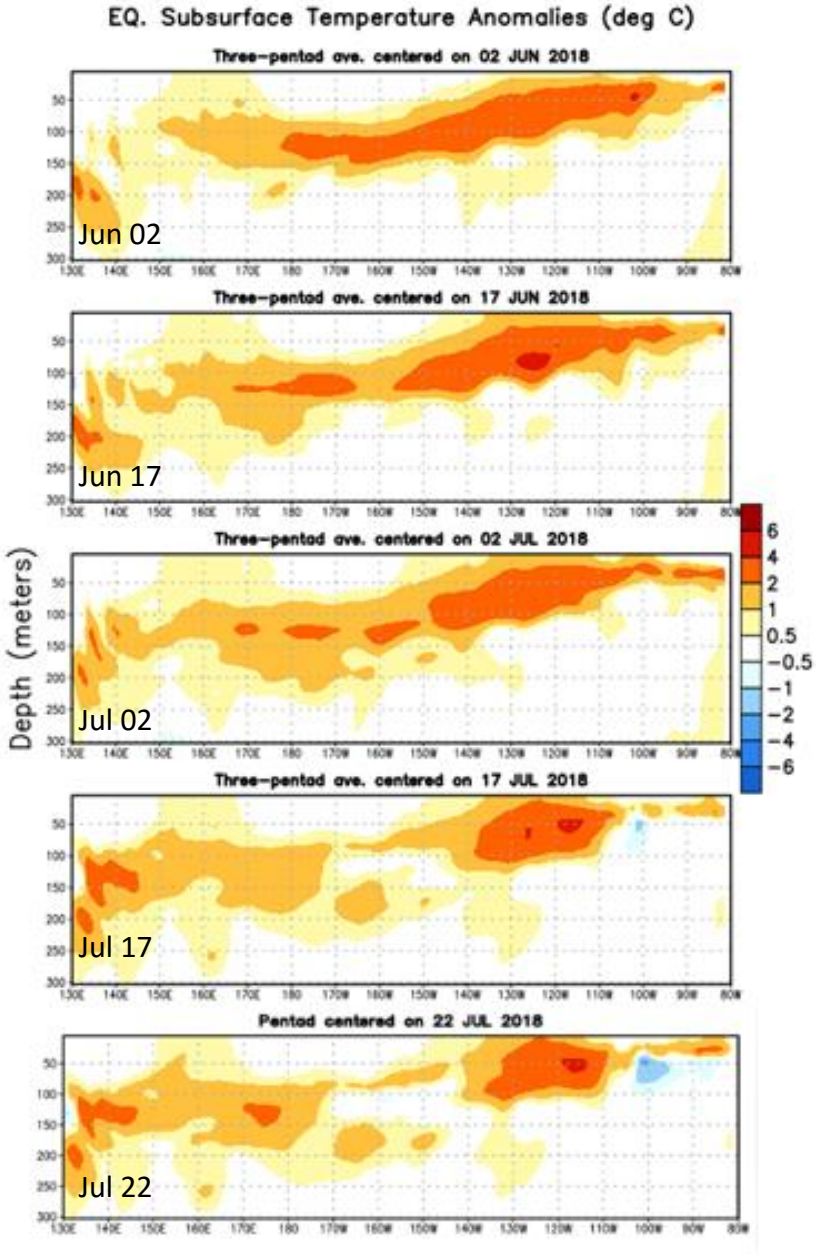


Fuente de datos: cpc.ncep.noaa.gov
Periodo base 1981-2010

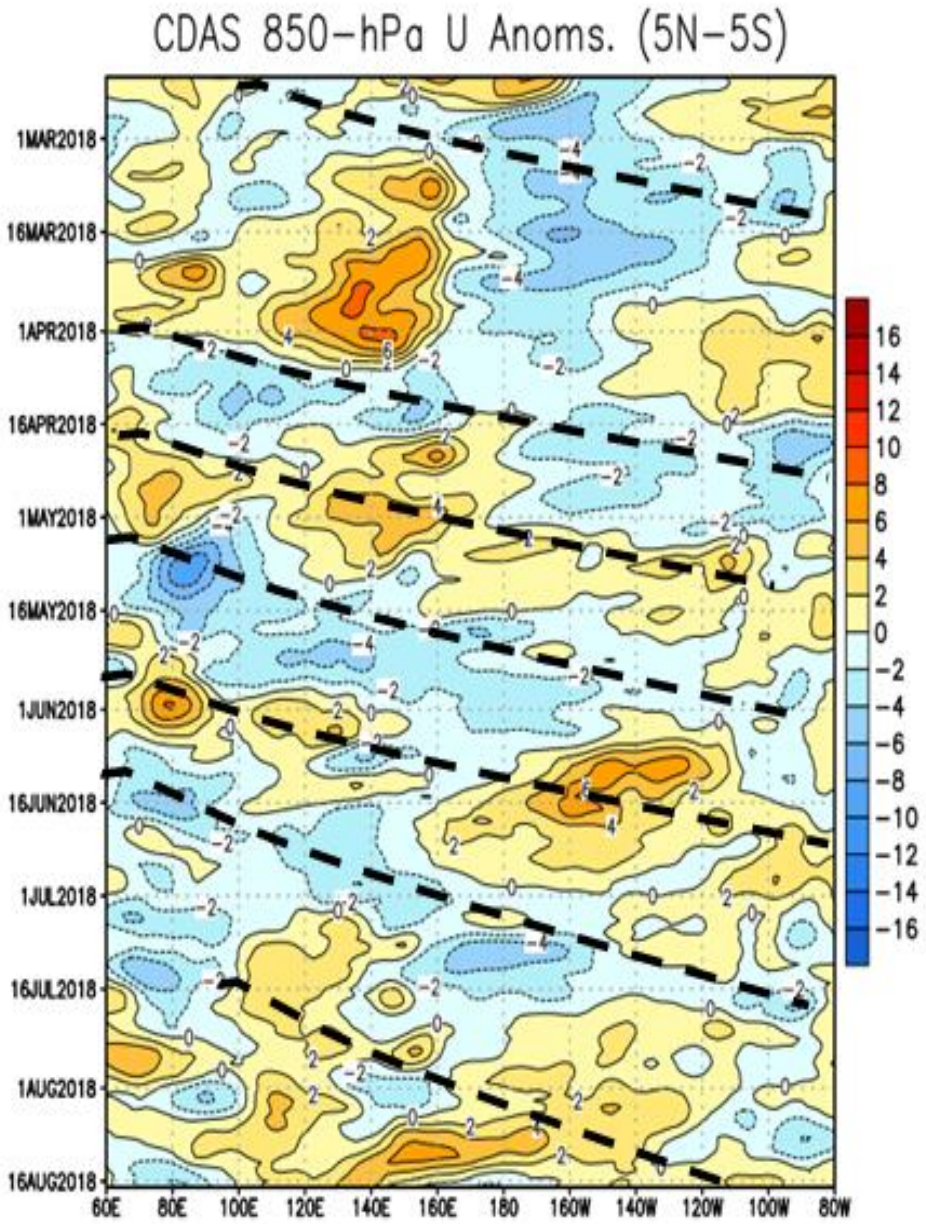
Anomalía de Temperatura Subsuperficial Sección Ecuatorial

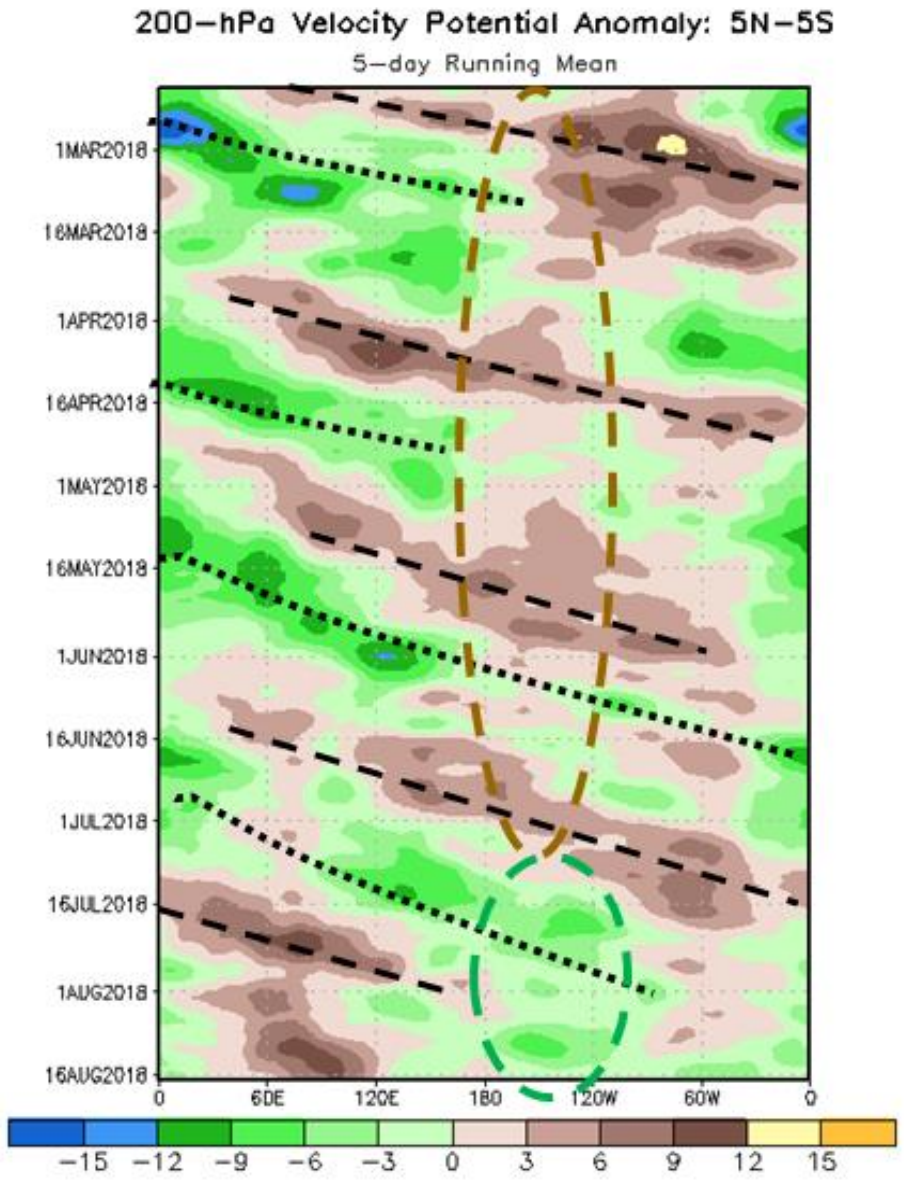






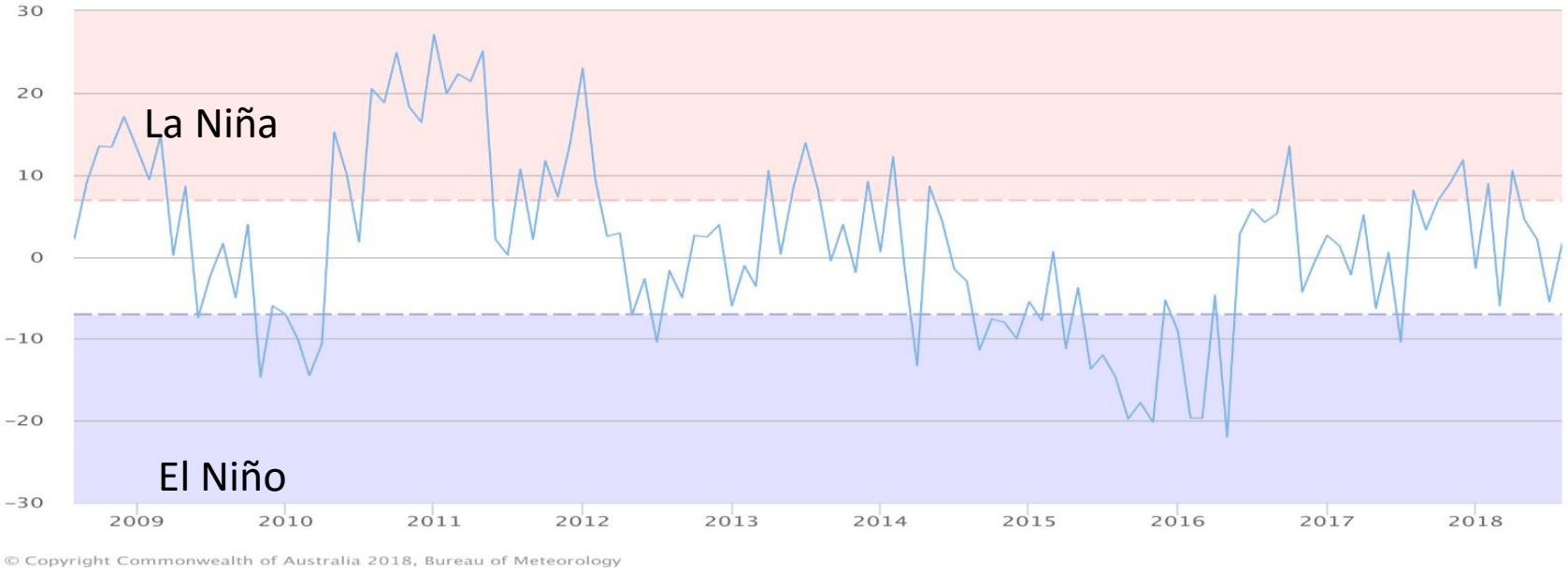
Fuente: CPC.NCEP.NOAA.GOV

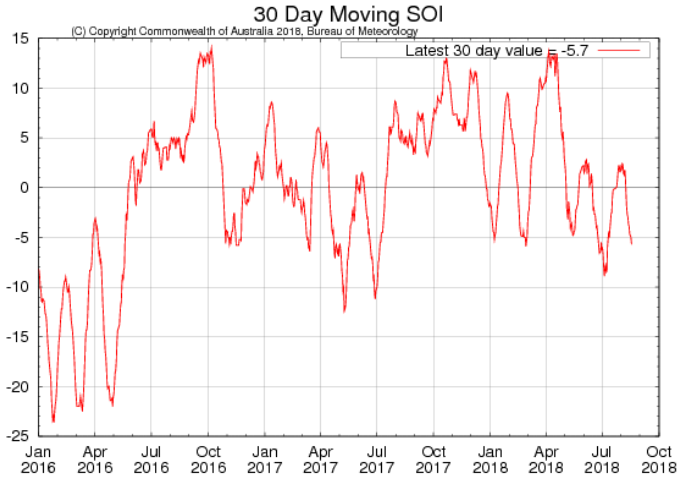




Fuente: CPC.NCEP.NOAA.GOV

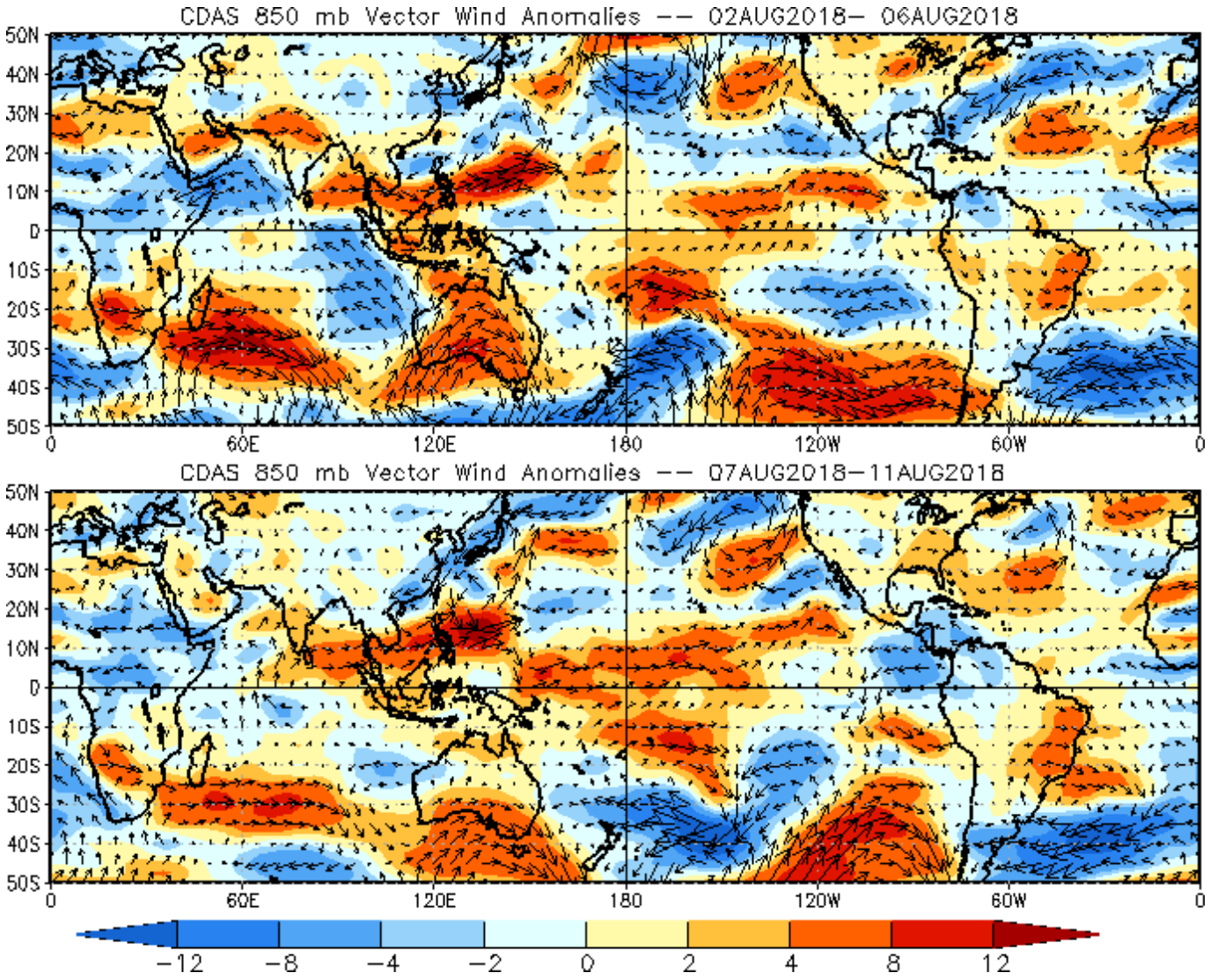
Índice de Oscilación del Sur



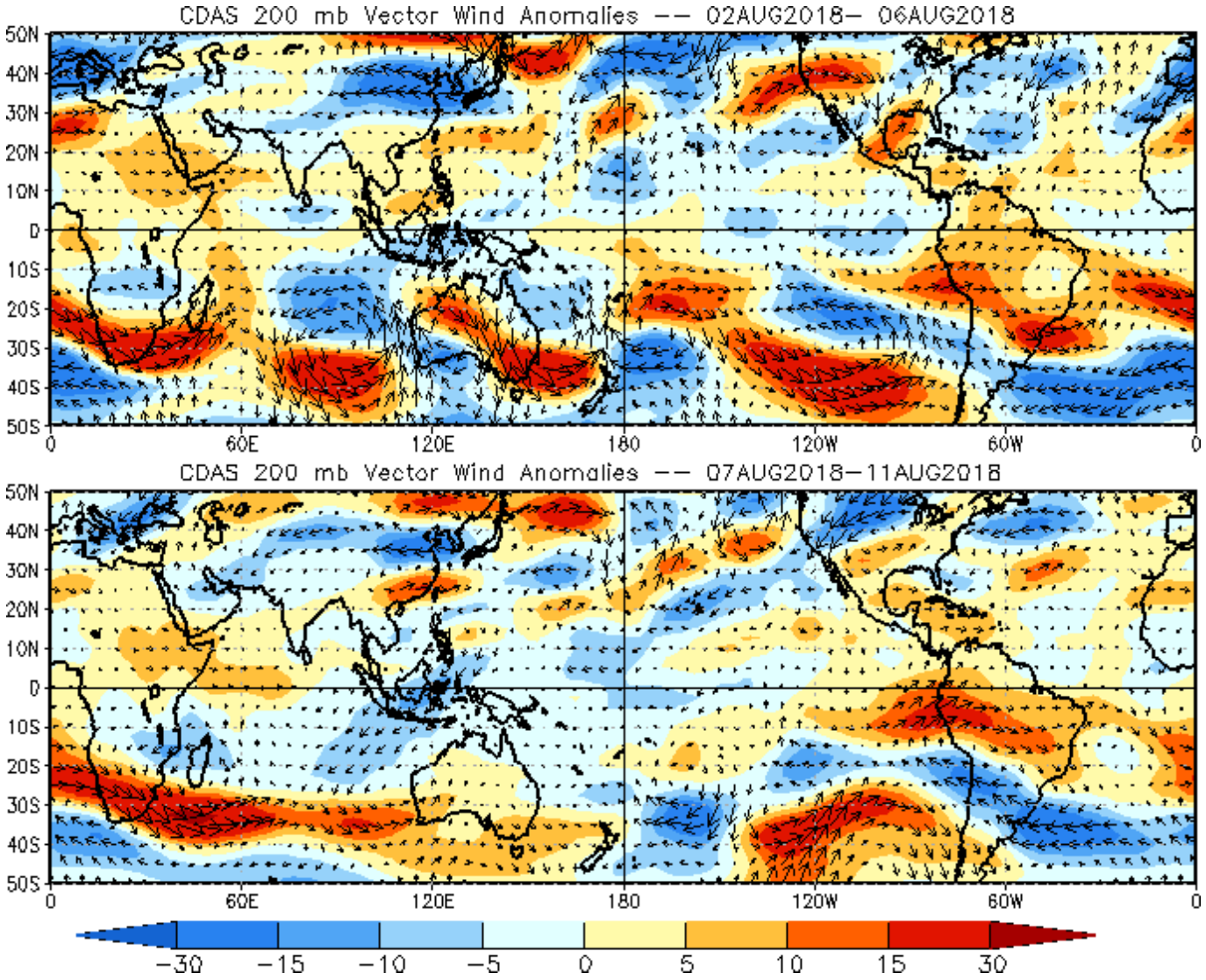


Fuente: BoM Australia

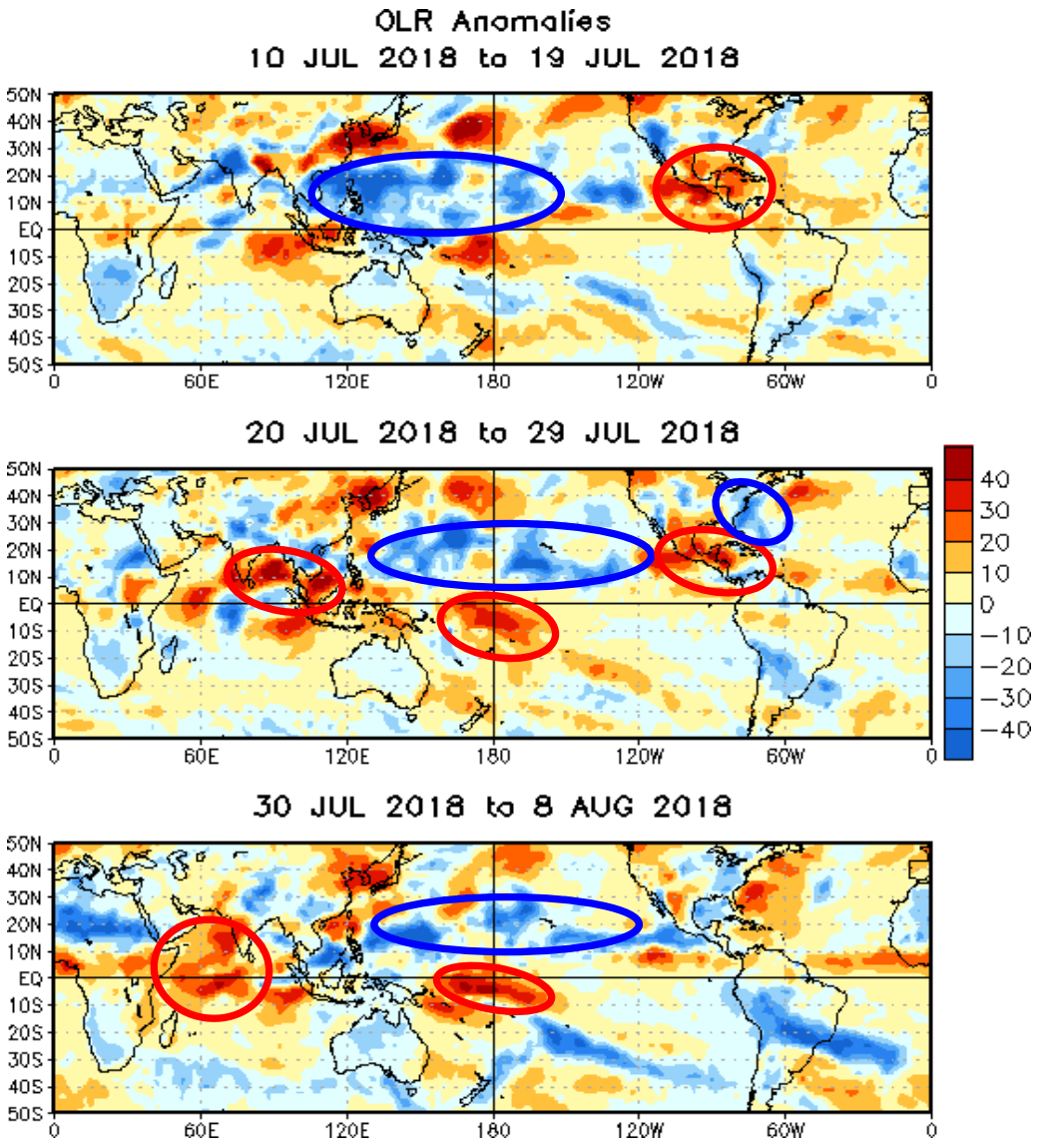
Anomalía de Viento 850 mb



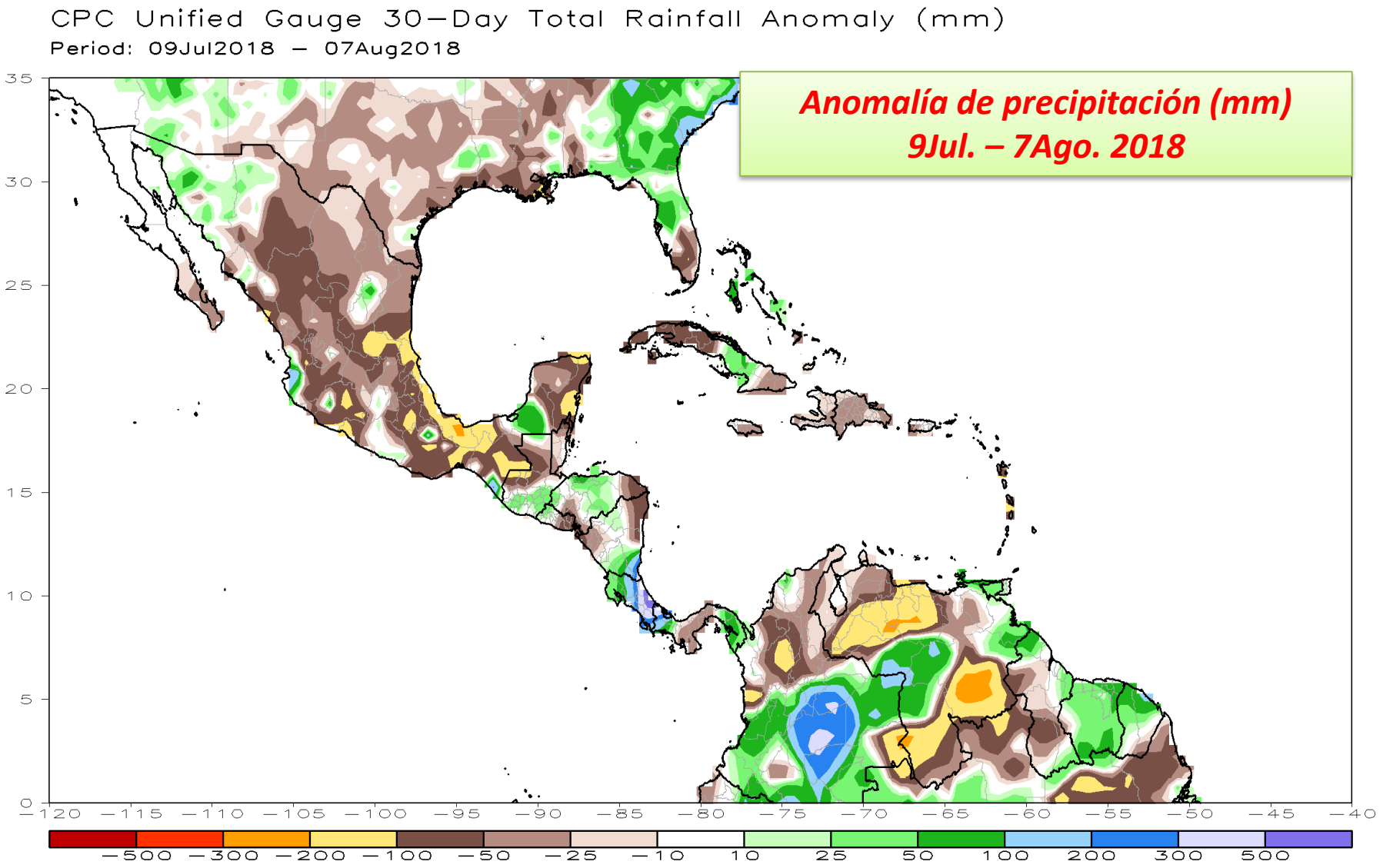
Anomalía de Viento 200 mb



Anomalía de Radiación saliente de onda larga (OLR)



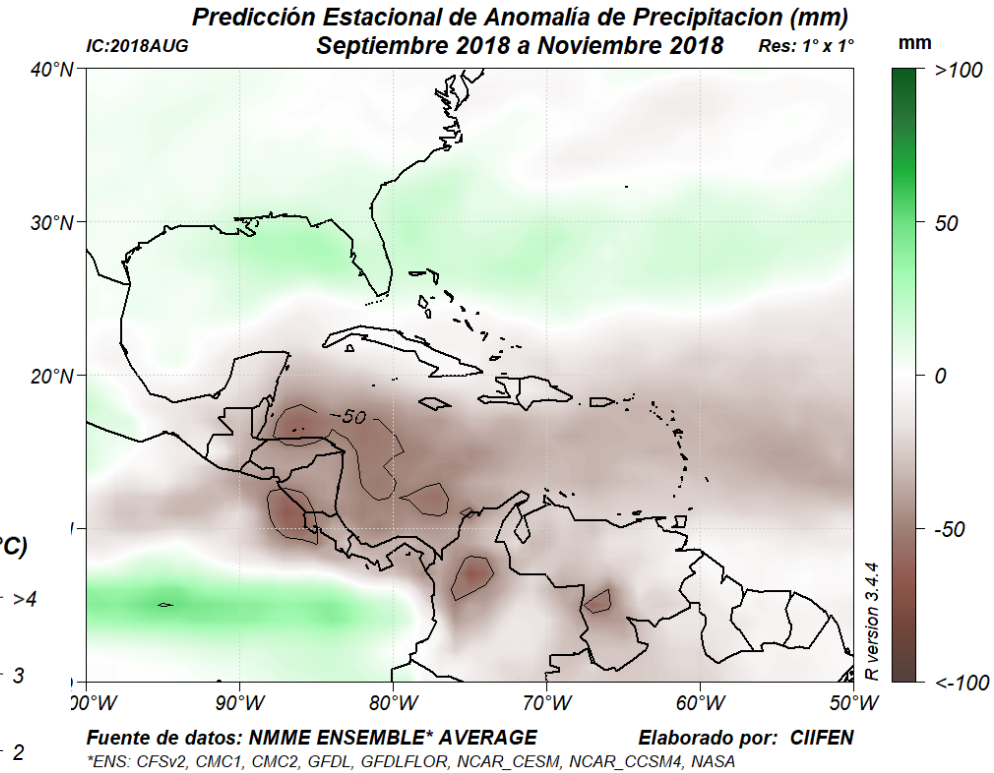
Fuente: CPC.NCEP.NOAA.GOV



Anomalía de precipitación (mm)
9Jul. – 7Ago. 2018

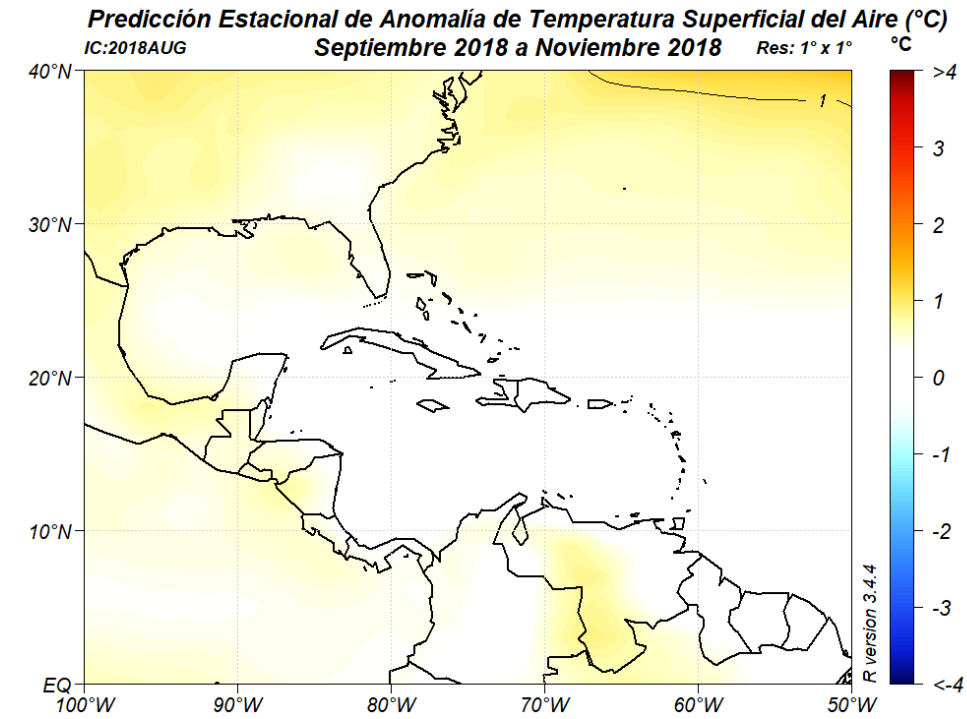
Predicción Estacional

Predicción Estacional Sep. – Nov. 2018
Precipitación (mm) y temperatura del aire (ºC)



Fuente de datos: NMME ENSEMBLE* AVERAGE Elaborado por: CIIFEN

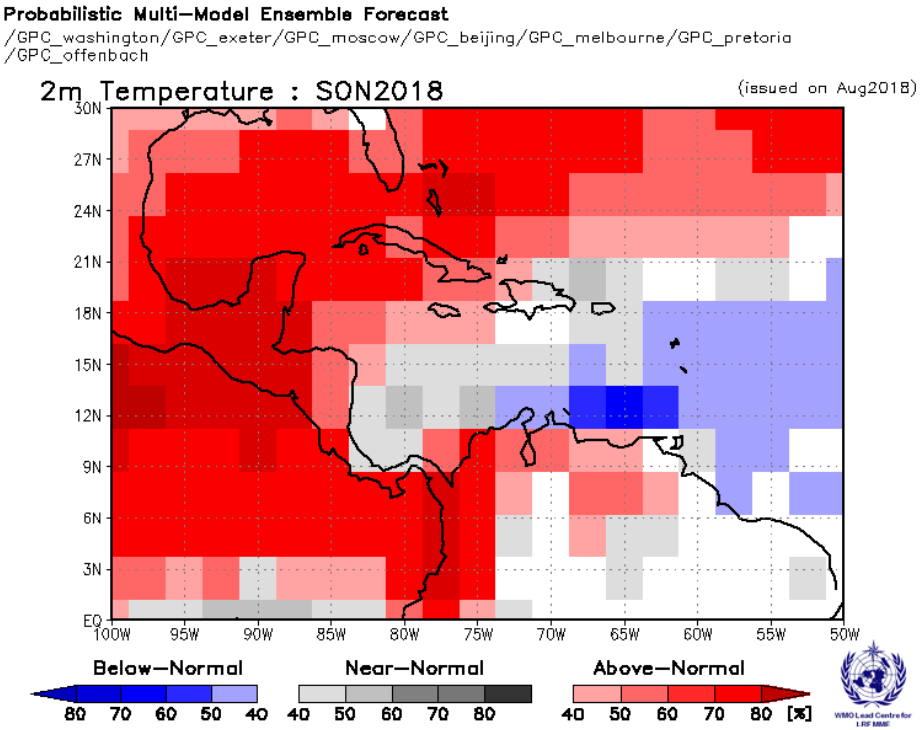
*ENS: CFSv2, CMC1, CMC2, GFDL, GFDLFLOR, NCAR_CESM, NCAR_CCSM4, NASA

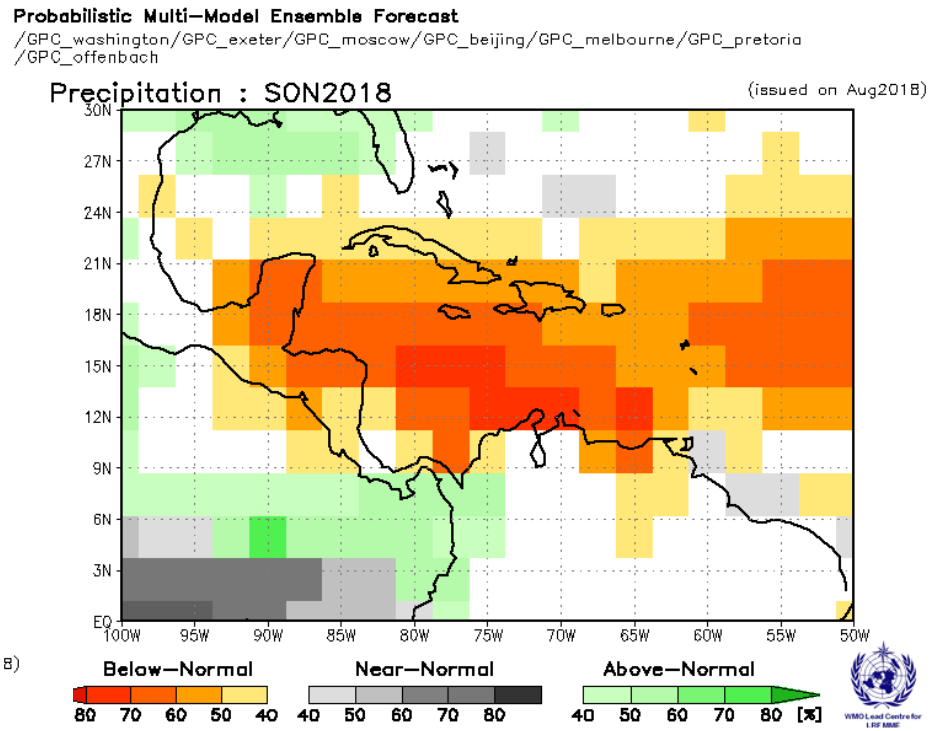


Fuente de datos: NMME ENSEMBLE* AVERAGE Elaborado por: CIIFEN

*ENS: CFSv2, CMC1, CMC2, GFDL, GFDLFLOR, NCAR_CESM, NCAR_CCSM4, NASA

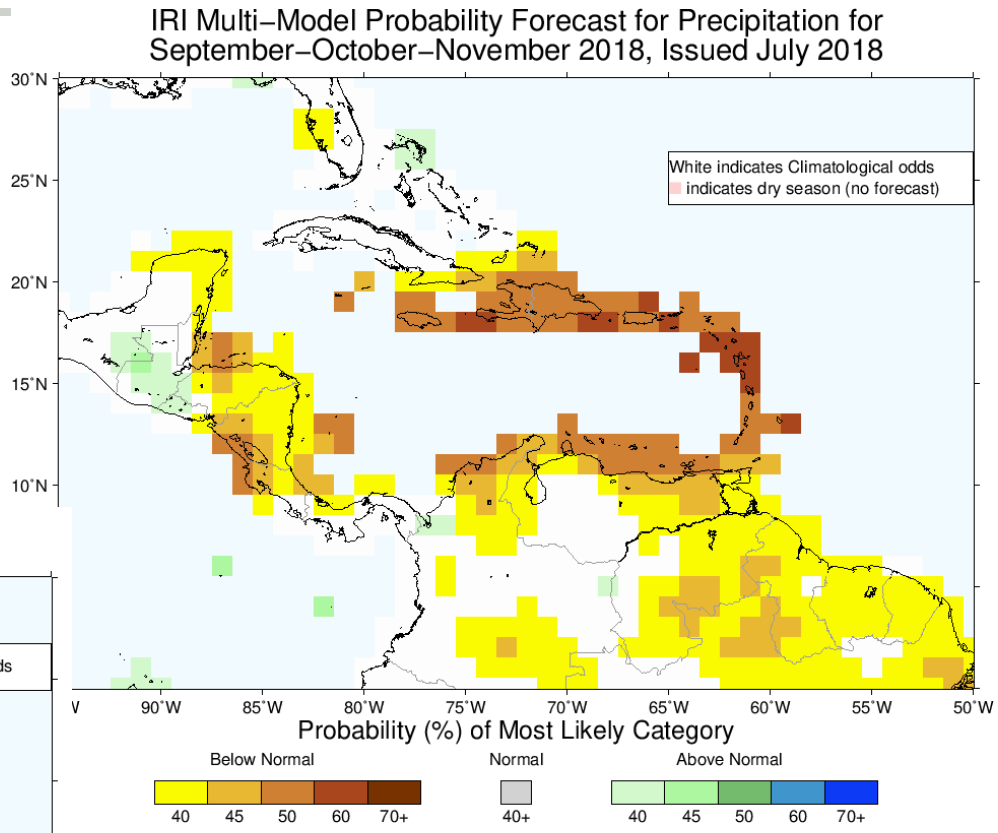
Predicción Estacional Sep. – Nov. 2018
Precipitación (mm) y temperatura del aire (ºC)

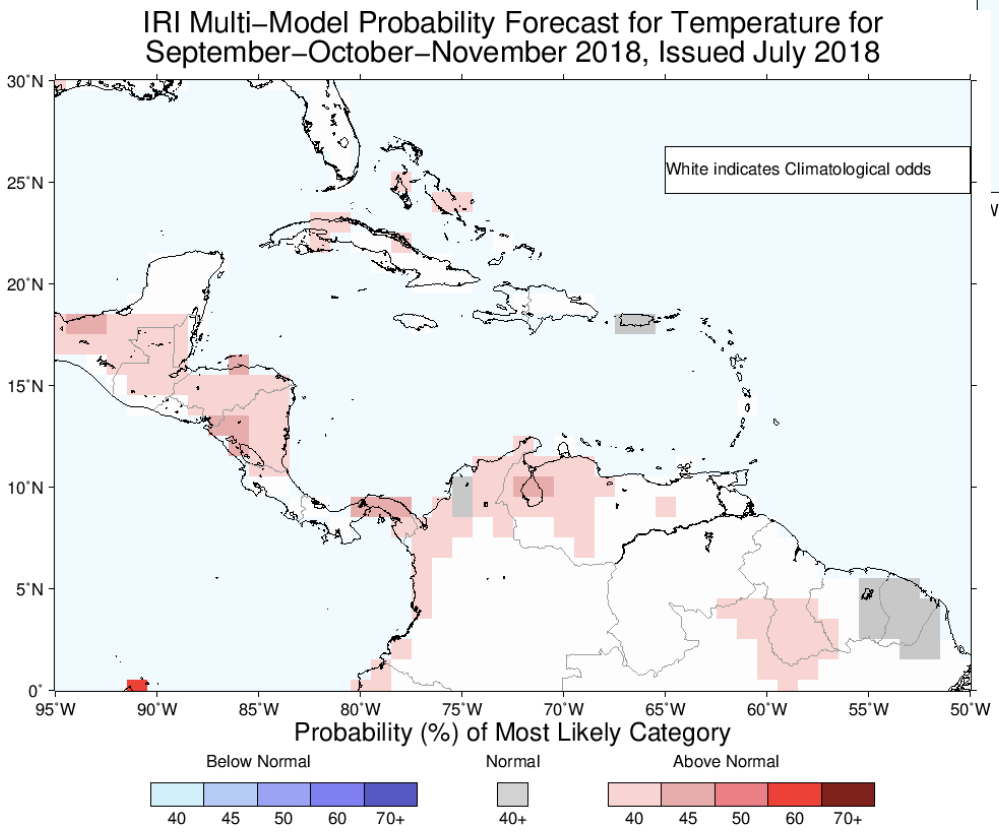




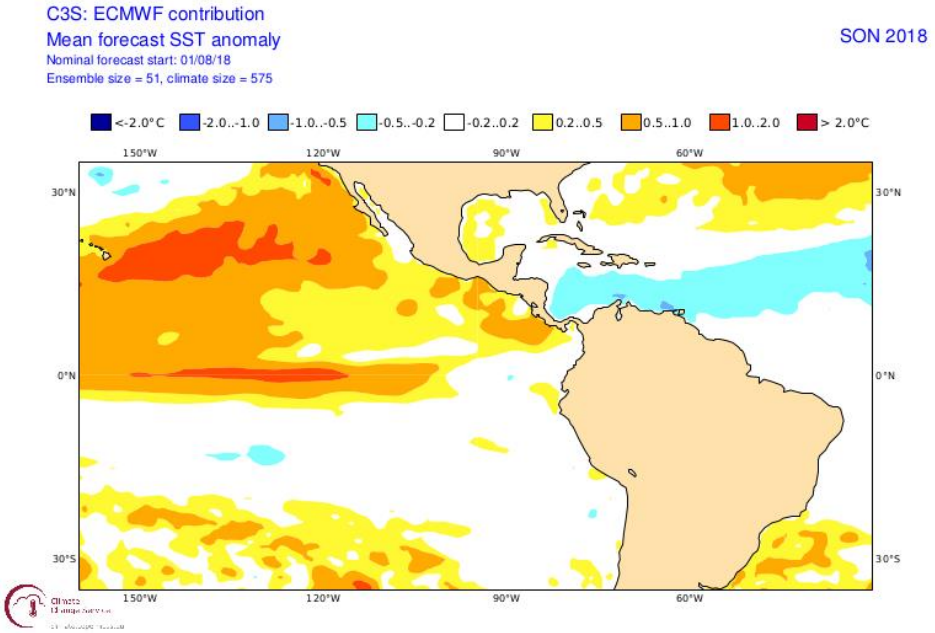
Fuente: Copernicus Climate Change Service,

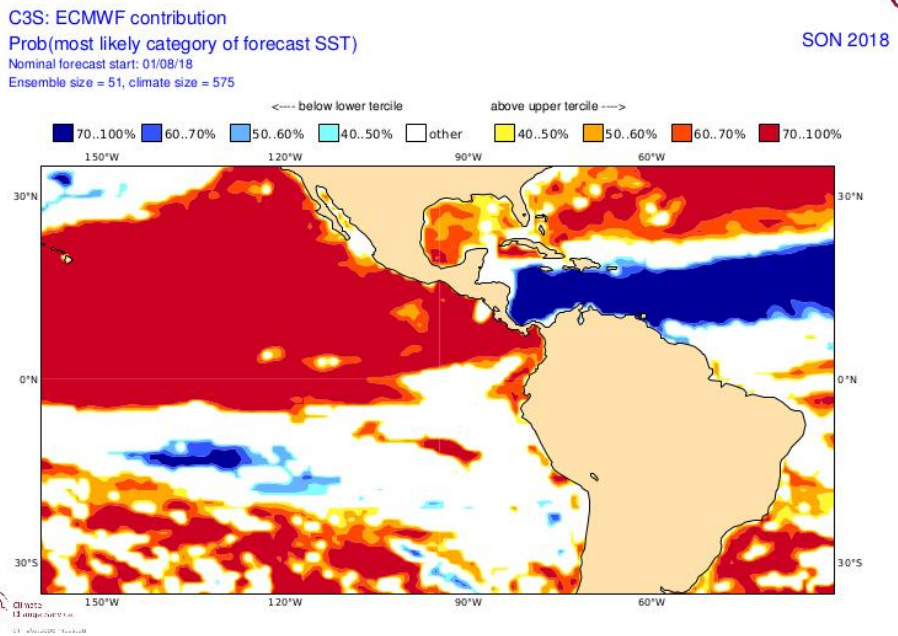
Predicción Estacional Sep. – Nov. 2018
Precipitación (mm) y temperatura del aire (ºC)





Predicción Estacional Sep. – Nov. 2018
Temperatura Superficial del Mar
Anomalía (ºC) y
Probabilidad de ocurrencia (%)

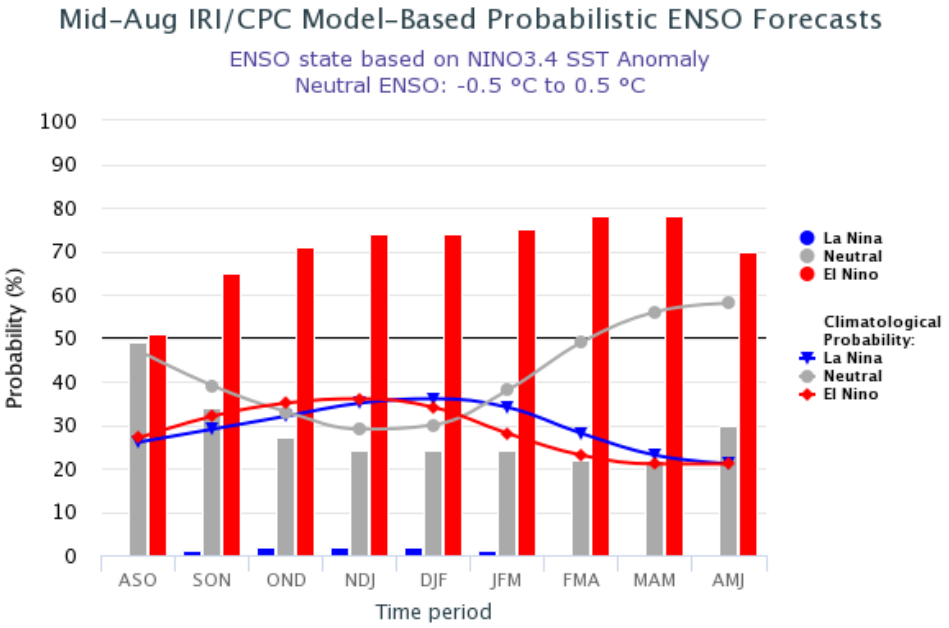


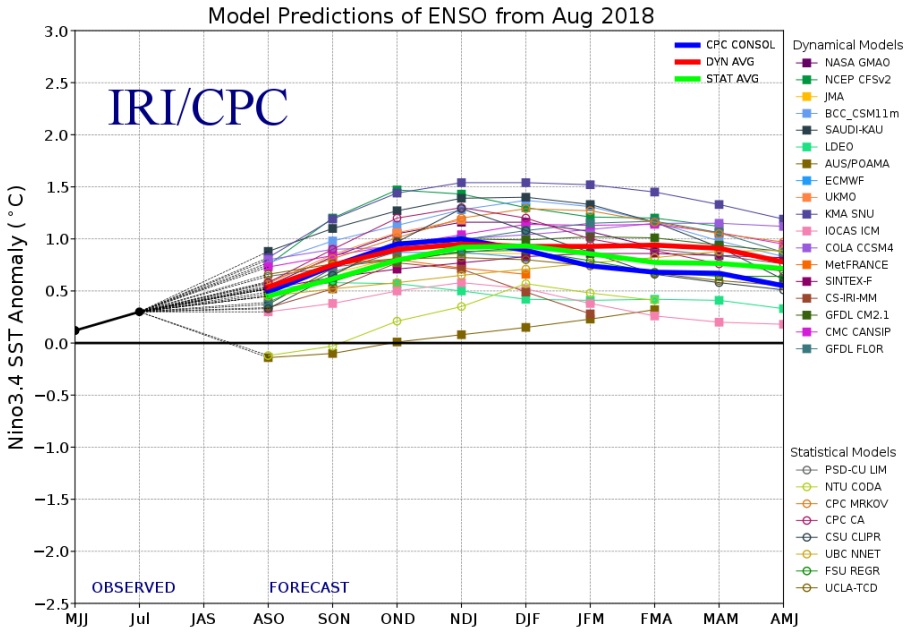


Fuente: Copernicus Climate Change Service,

Pronósticos probabilísticos del ENSO

Modelo probabilístico ENOS

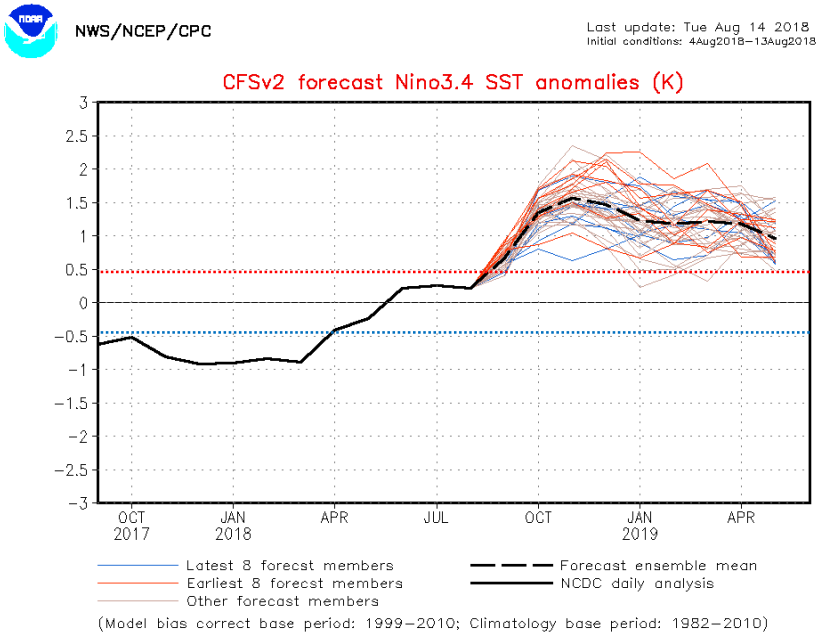


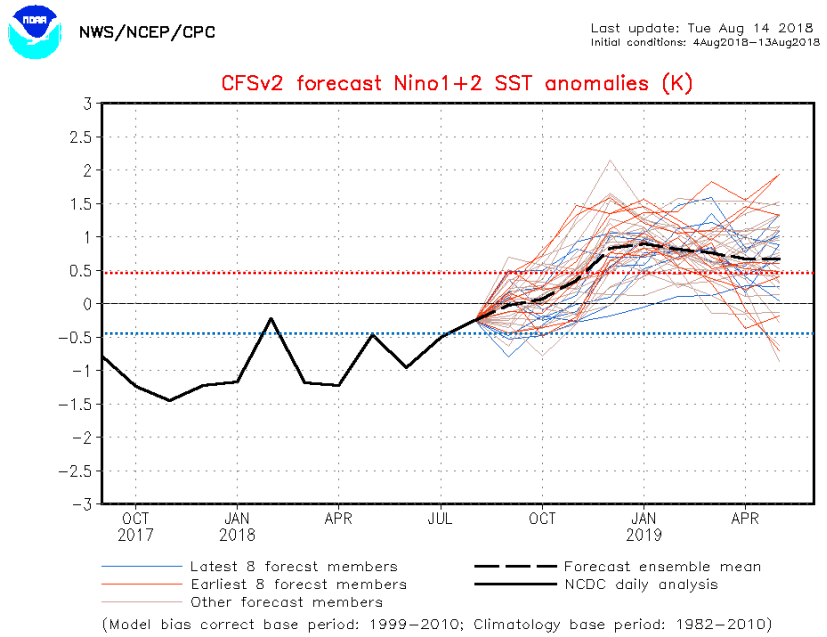


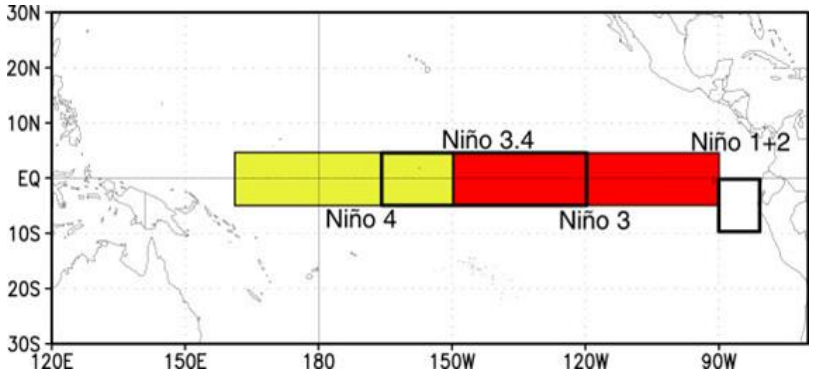
IRI/CPC Mid-Month Model-Based ENSO Forecast Probabilities

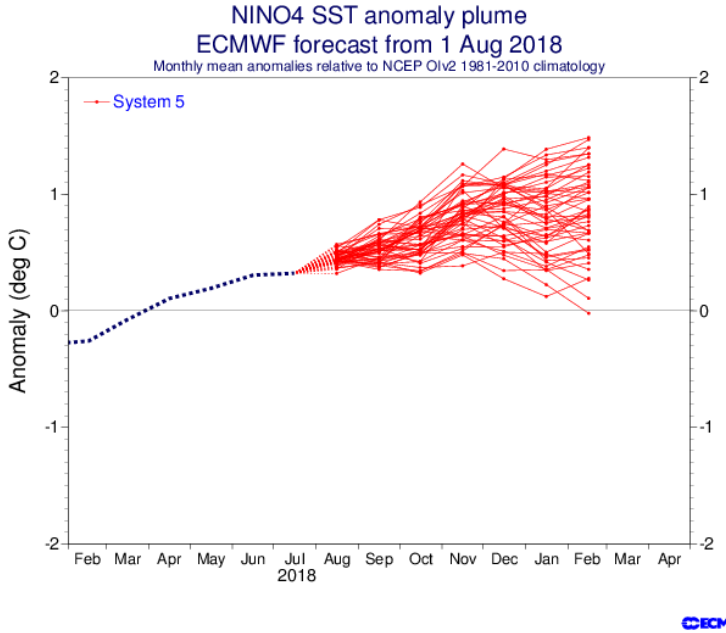
Season	La Niña	Neutral	El Niño
ASO 2018	0%	49%	51%
SON 2018	1%	34%	65%
OND 2018	2%	27%	71%
NDJ 2018	2%	24%	74%
DJF 2019	2%	24%	74%
JFM 2019	1%	24%	75%
FMA 2019	0%	22%	78%
MAM 2019	0%	22%	78%
AMJ 2019	0%	30%	70%

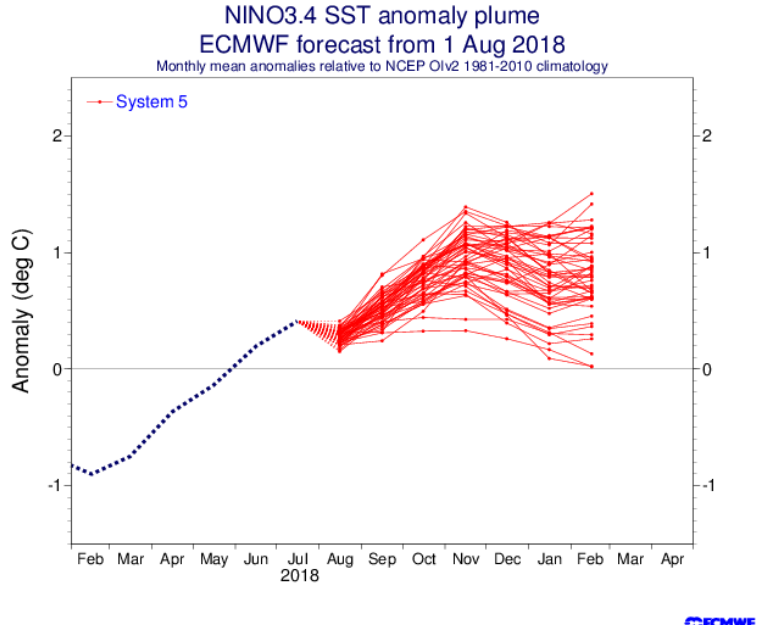
Pronósticos de Anomalías de Temperatura Superficial del Mar Región Niño 1+2 y Niño 3.4 CFSv2

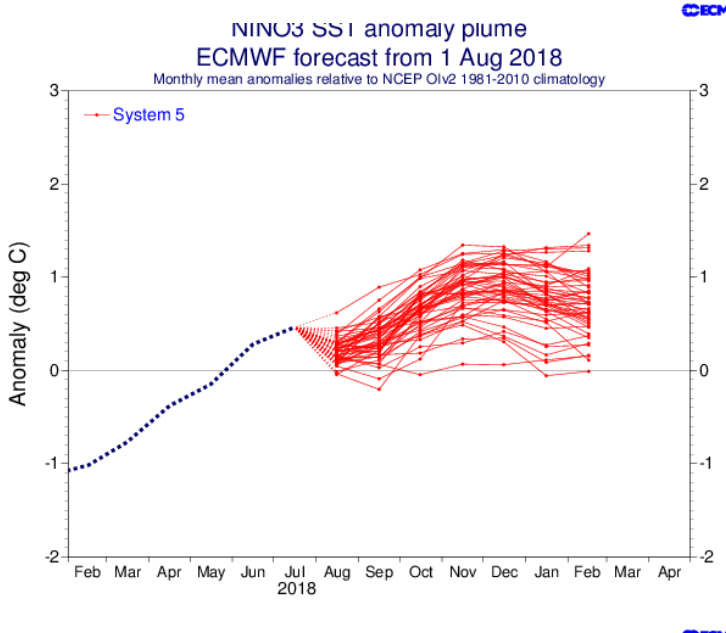


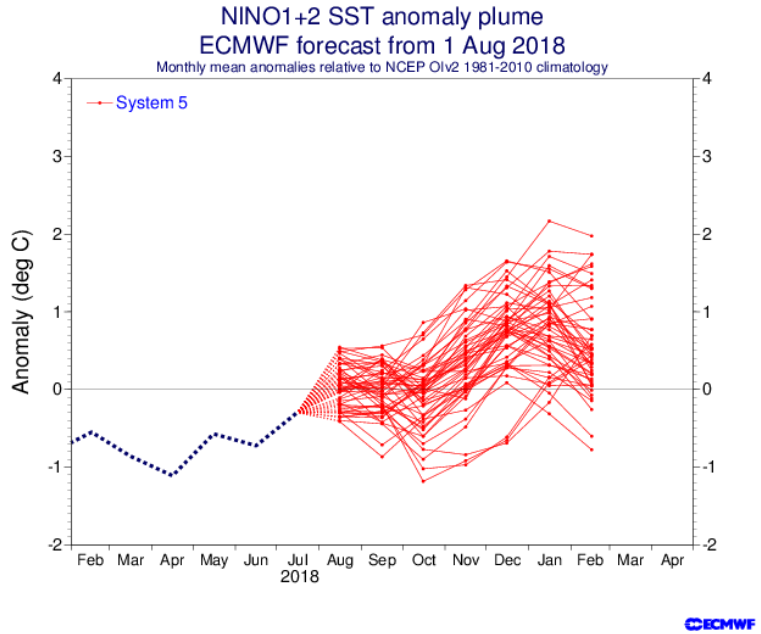






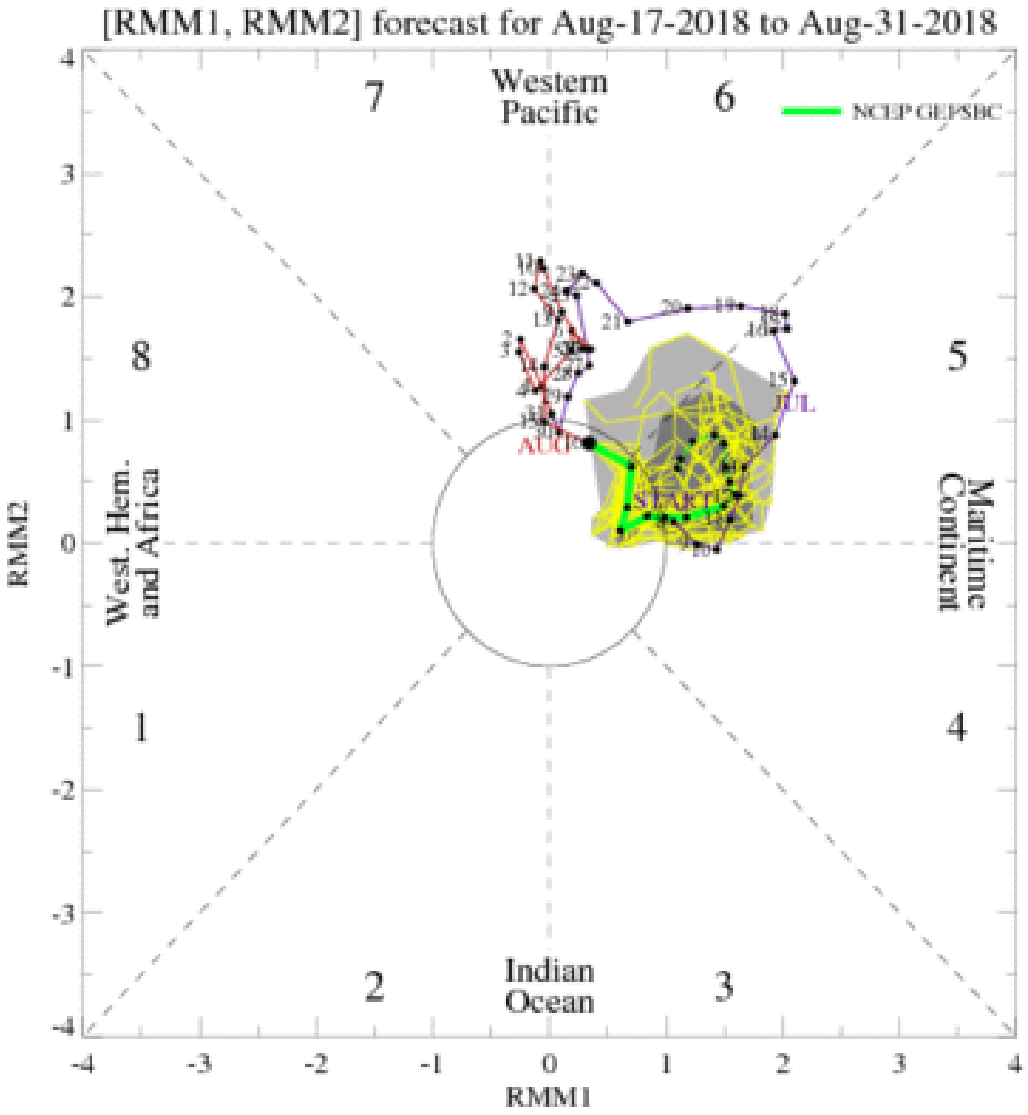




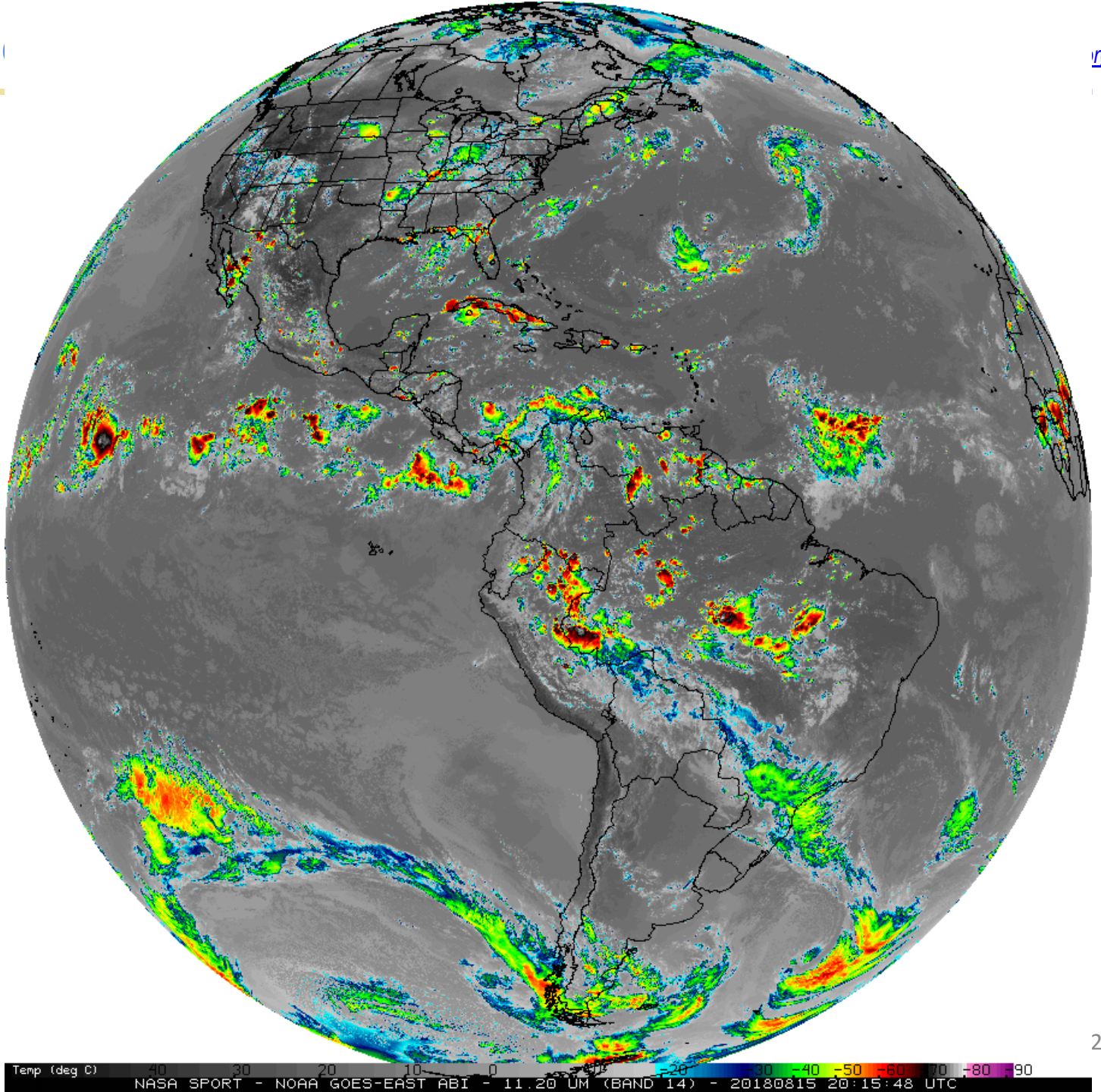


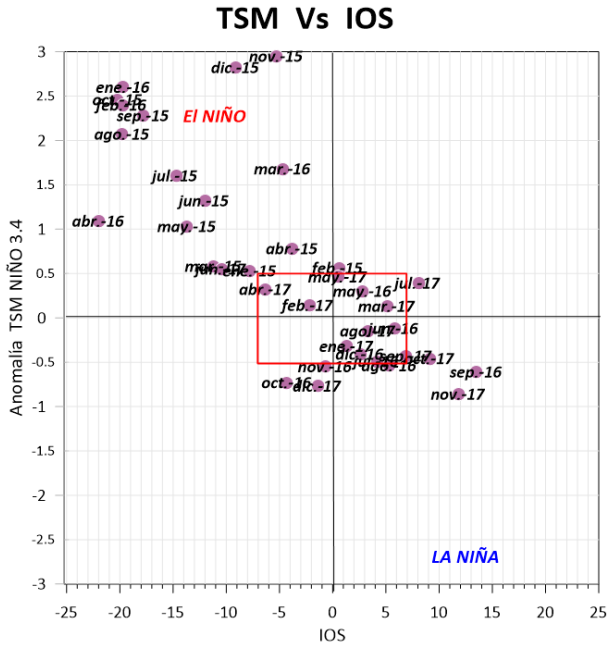
Fuente: Copernicus Climate Change Service,

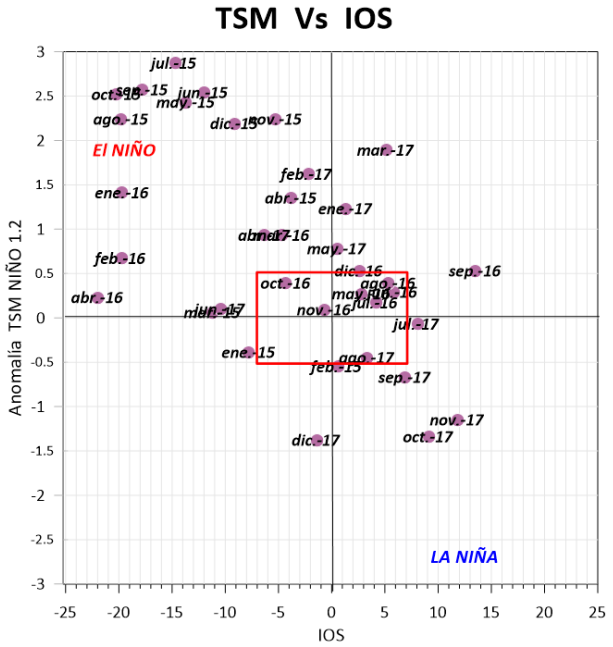
Comentarios finales

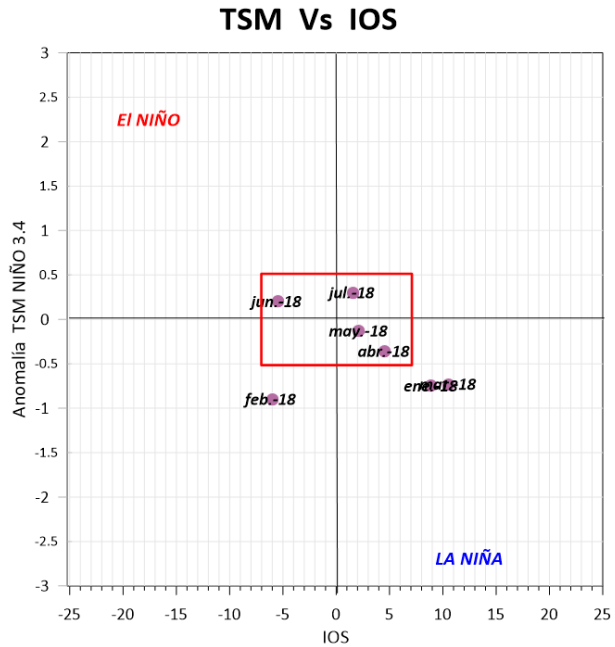

[RMM1, RMM2] forecast for Aug-17-2018 to Aug-31-2018
Western Pacific
NCEP GEPSBC
West. Hem. and Africa
Maritime Continent
Indian Ocean
AUG
JUL
RMM1
RMM2

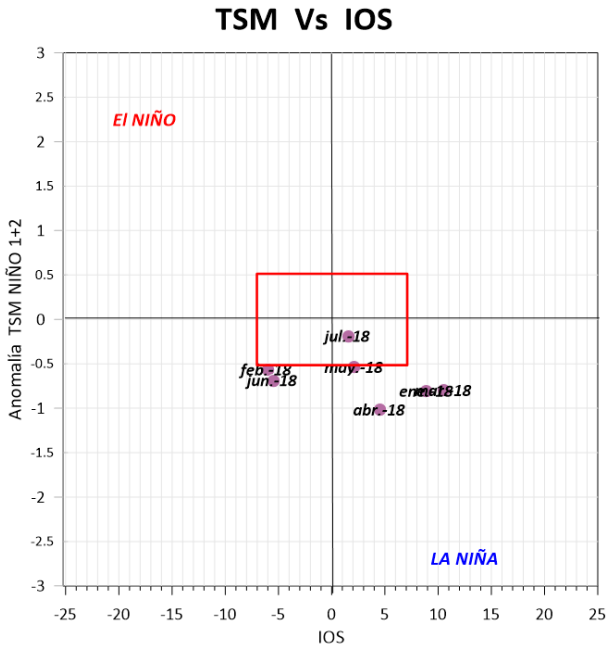
CIIFEN

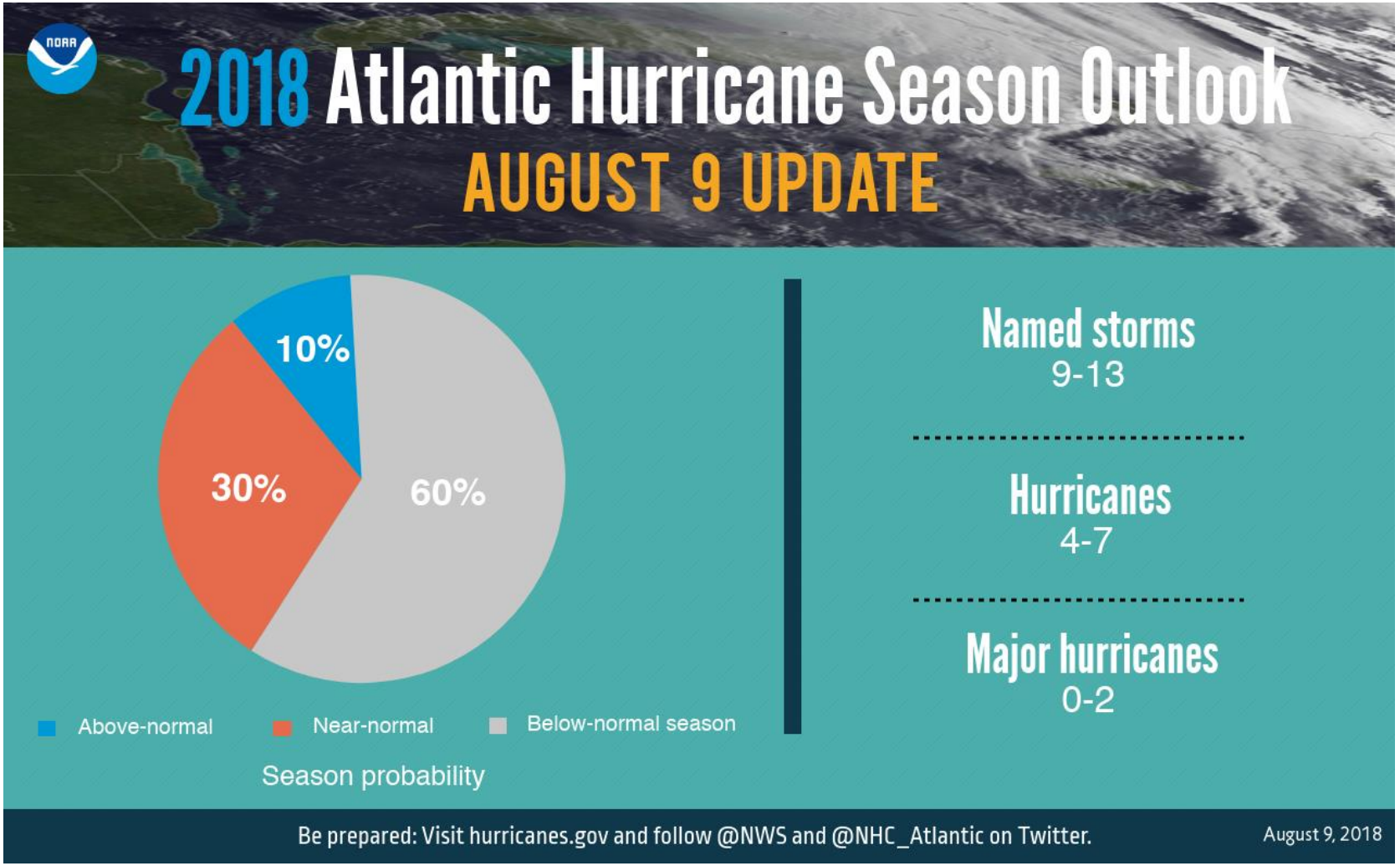

Temp (deg C) 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80 -90
NASA SPORT - NOAA GOES-EAST ABI - 11.20 UM (BAND 14) - 20180815 20:15:48 UTC


TSM Vs IOS
Anomalía TSM NIÑO 3.4
IOS
EL NIÑO
LA NIÑA


TSM Vs IOS
Anomalía TSM NIÑO 1.2
IOS
EL NIÑO
LA NIÑA


TSM Vs IOS
Anomalía TSM NIÑO 3.4
IOS
EL NIÑO
LA NIÑA


TSM Vs IOS
Anomalía TSM NIÑO 1+2
IOS
EL NIÑO
LA NIÑA


2018 Atlantic Hurricane Season Outlook
AUGUST 9 UPDATE
10%
30%
60%
Above-normal
Near-normal
Below-normal season
Season probability
Named storms
9-13
Hurricanes
4-7
Major hurricanes
0-2
Be prepared: Visit hurricanes.gov and follow @NWS and @NHC_Atlantic on Twitter.
August 9, 2018

Teléfono: (5934) 2514770 Fax: (5934) 2514771, Escobedo 1204 y 9 de Octubre, Guayaquil, Ecuador