PERÚ Ministerio del Ambiente

Senamhi
SERVICIO NACIONAL DE METEOROLOGÍA E HIDROLOGÍA DEL PERÚ

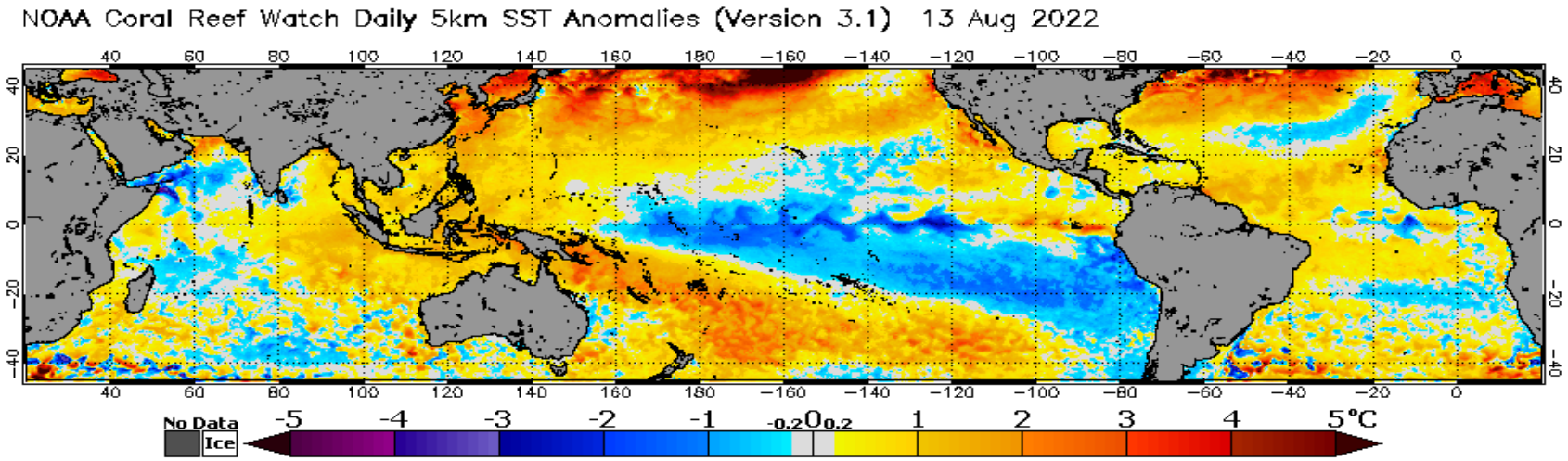
53 Aniversario 1969 - 2022

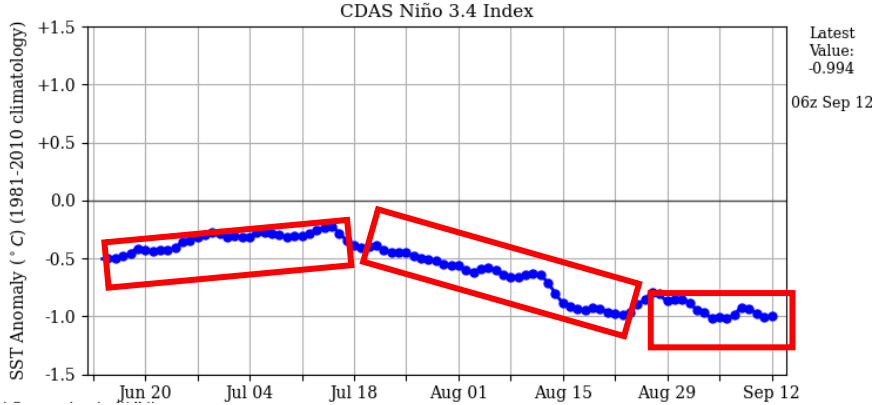
Siempre con el pueblo

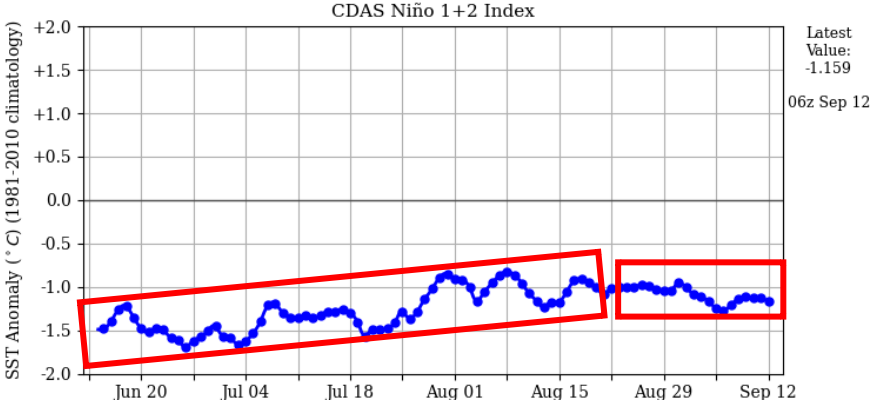
AGOSTO 2022

Boletín Informativo Monitoreo del Fenómeno El Niño / La Niña

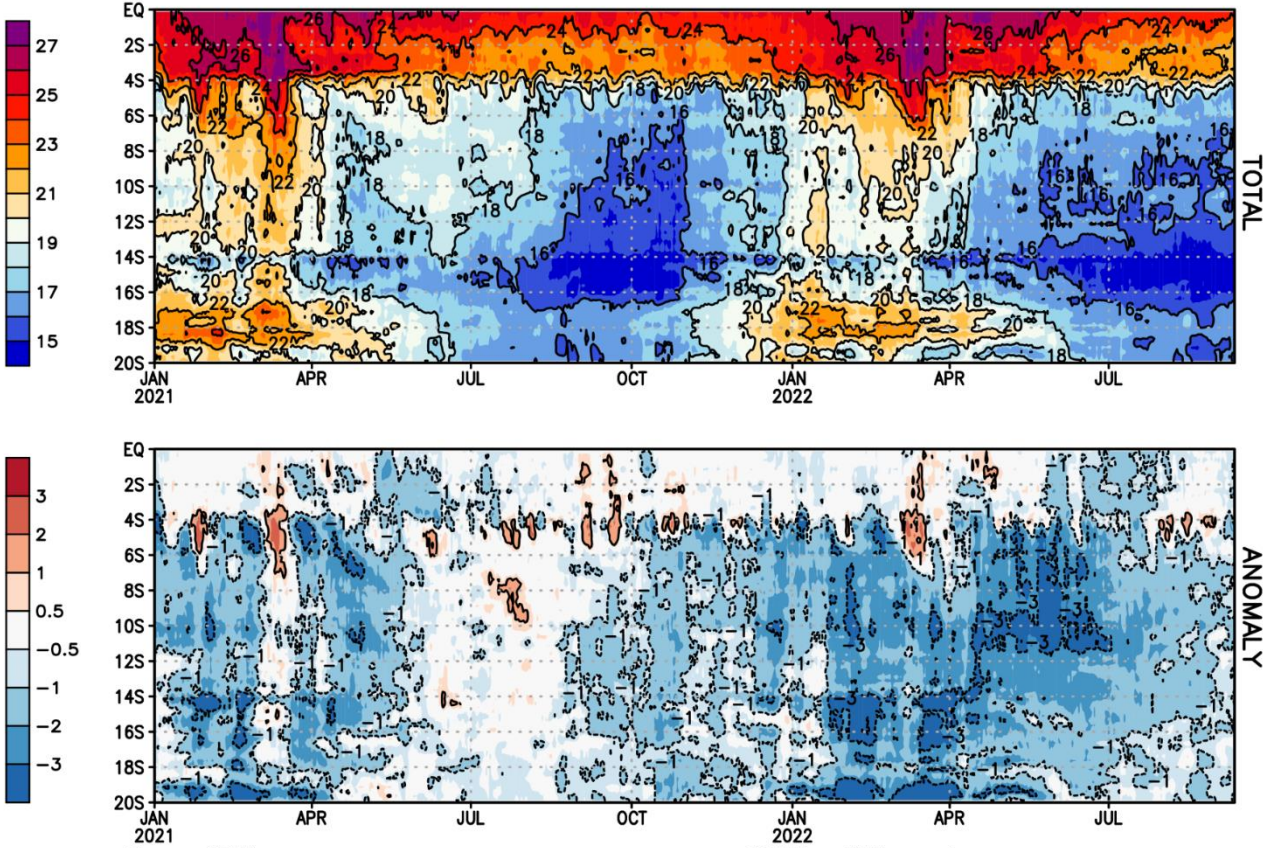
Este producto contempla la evolución de las condiciones atmosféricas a nivel global y regional durante agosto y los primeros días de setiembre de 2022. Este monitoreo se realiza a partir de diferentes fuentes, incluidos datos de modelos numéricos de tiempo y clima, datos de vientos satelitales, entre otros. Este producto es insumo para las reuniones del GTCT-ENFEN

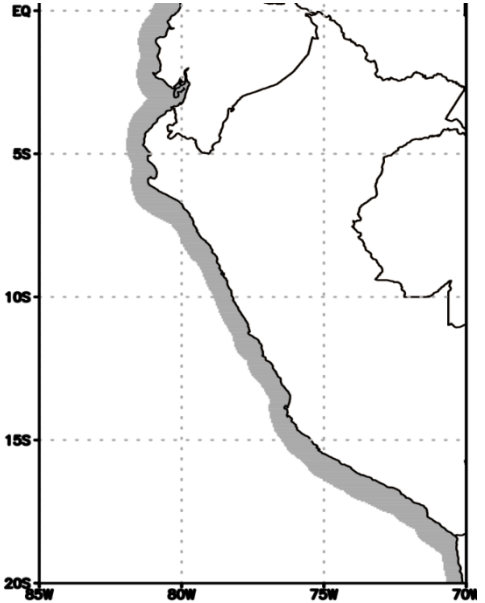

NOAA Coral Reef Watch Daily 5km SST Anomalies (Version 3.1) 13 Aug 2022
No Data
Ice
-5 -4 -3 -2 -1 -0.2 0 0.2 1 2 3 4 5°C


CDAS Niño 3.4 Index
SST Anomaly (°C) (1981-2010 climatology)
Latest Value: -0.994
06z Sep 12
Jun 20
Jul 04
Jul 18
Aug 01
Aug 15
Aug 29
Sep 12


CDAS Niño 1+2 Index
SST Anomaly (°C) (1981-2010 climatology)
Latest Value: -1.159
06z Sep 12
Jun 20
Jul 04
Jul 18
Aug 01
Aug 15
Aug 29
Sep 12

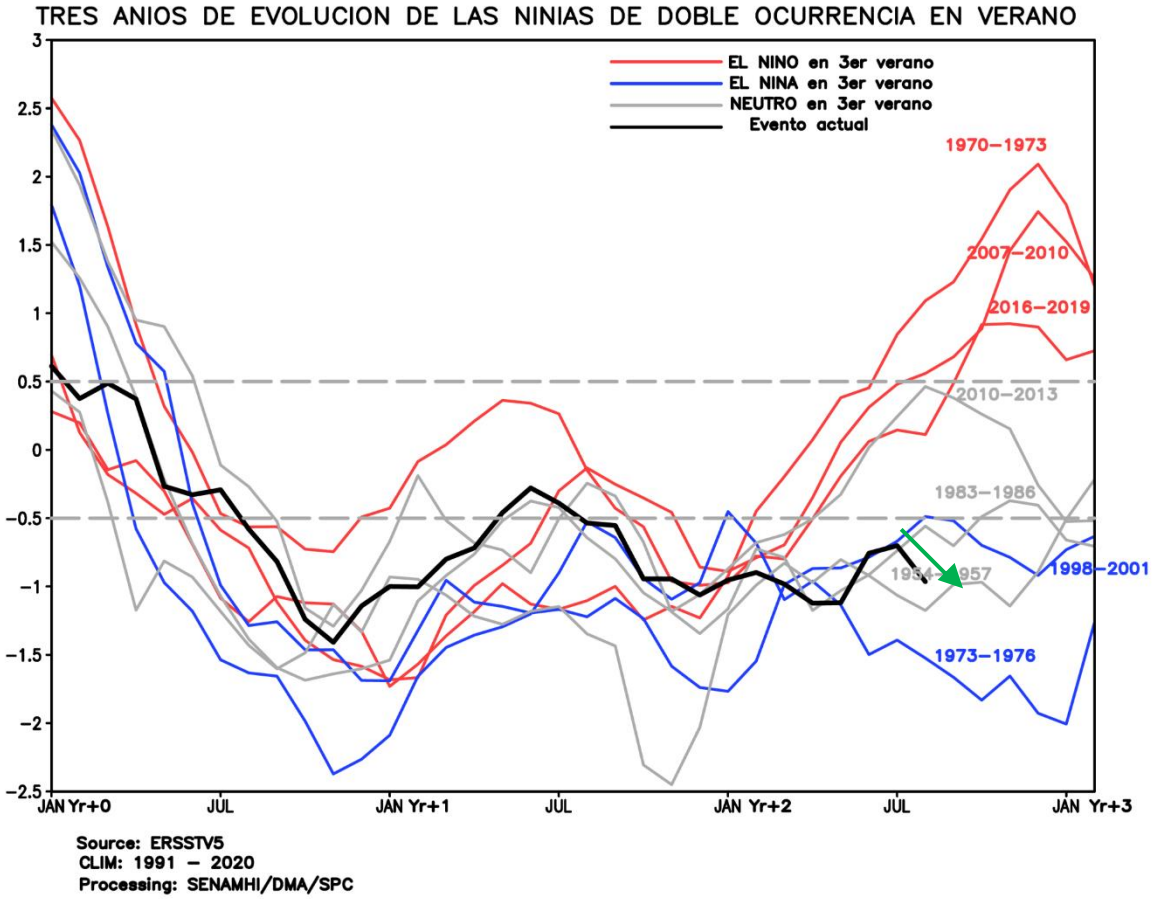
Temperatura Superficial del Mar frente a la costa peruana





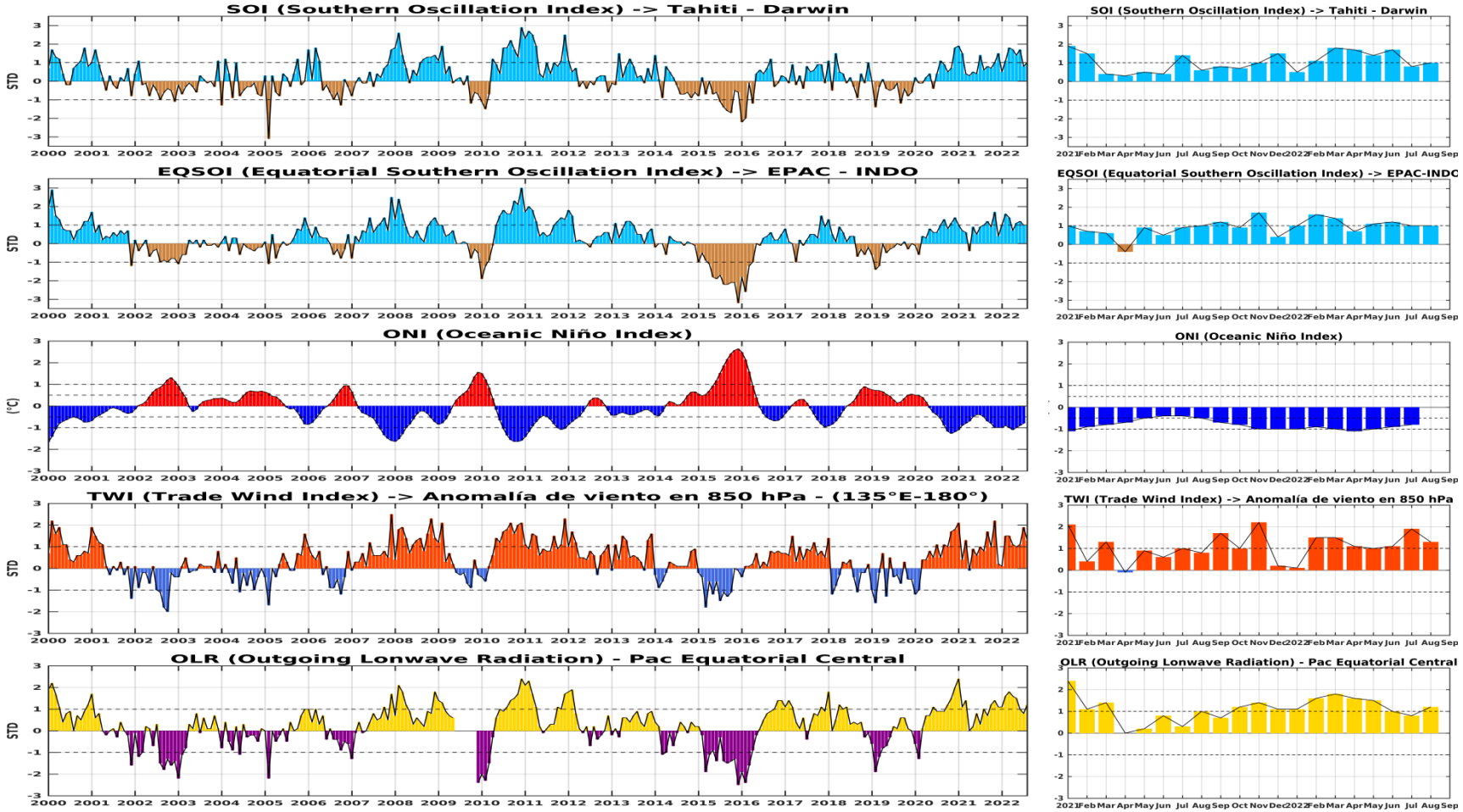
Source: OSTIA
CLIM: 2007 – 2019
Processing: SENAMHI/DMA/SPC

100 Km off the coast

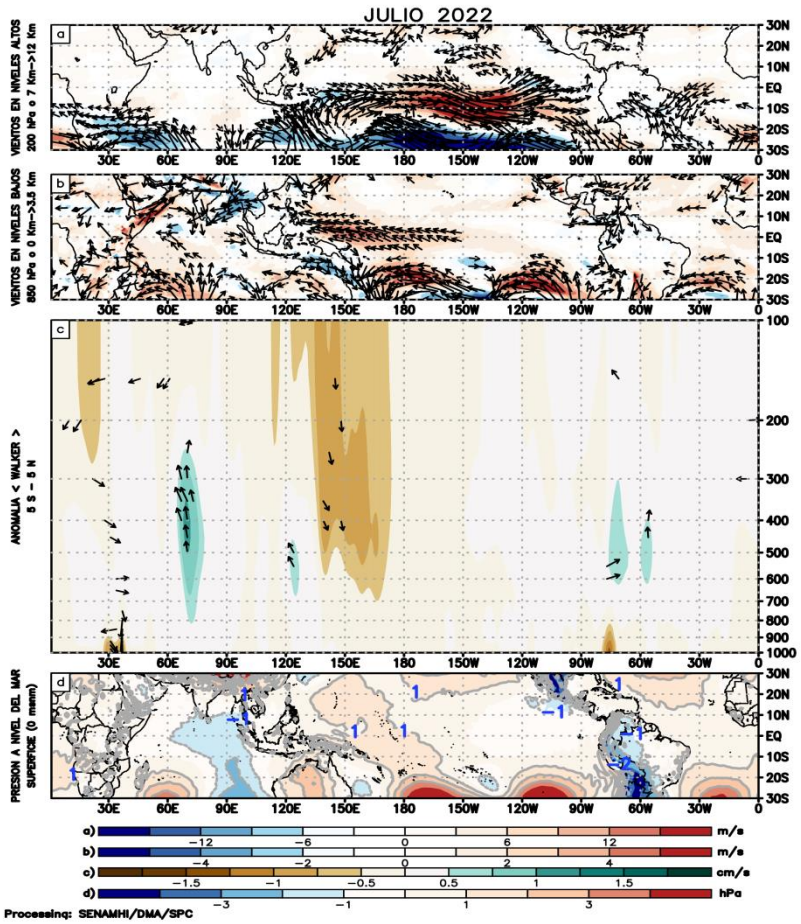


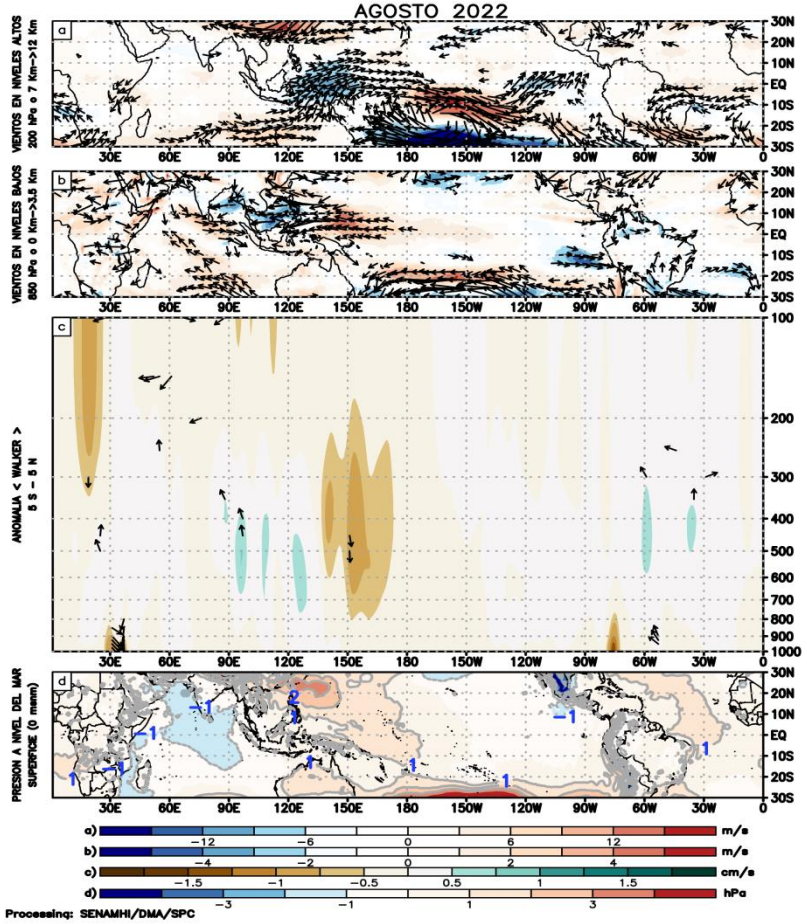
Historial de tres años de la TSM en la región 3.4 para 8 eventos anteriores de doble inmersión. El color de la línea indica el estado de ENSO para el tercer verano(rojo: El Niño, azul: La Niña, gris: Neutro). La línea negra muestra el evento actual. Anomalía mensual de la TSM en la región 3.4 usando ERSSTv5. Imagen creada por Michelle L'Heureux, modificada por SENAMHI/DMA/SPC

Pacífico Ecuatorial

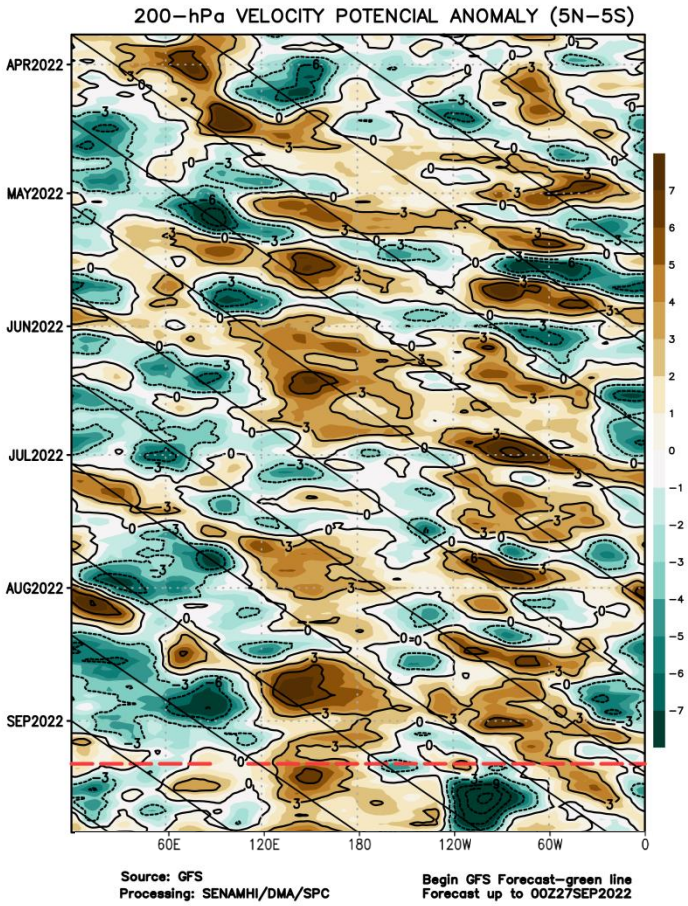


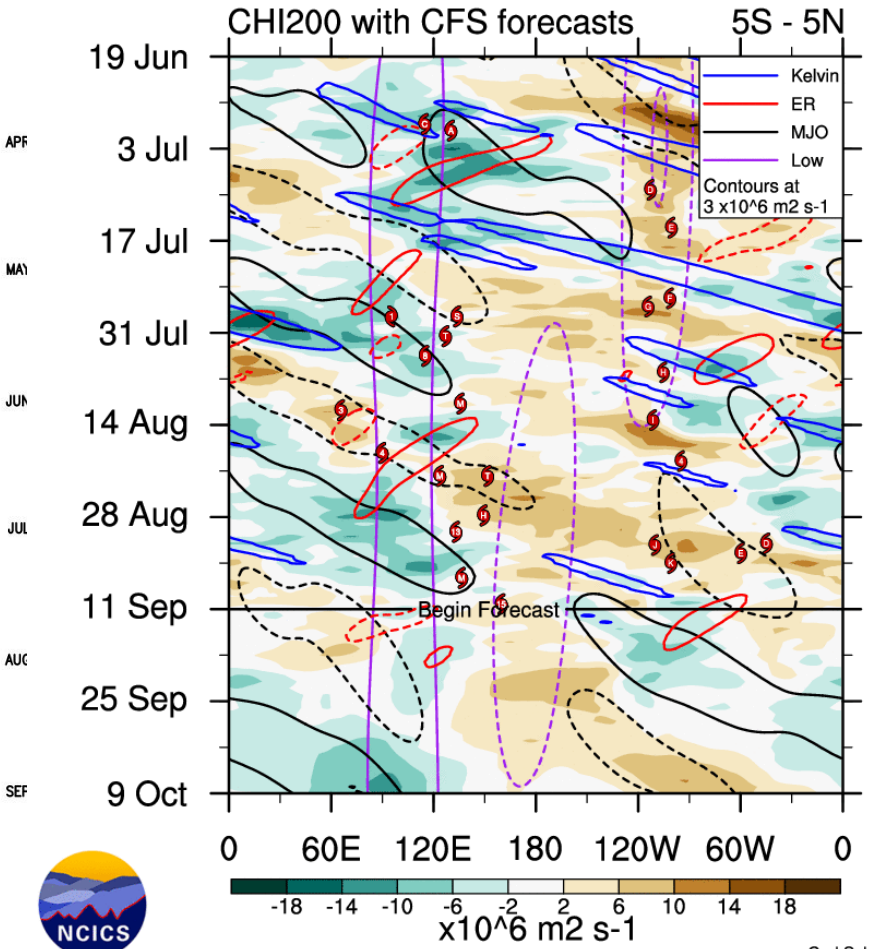
Pacífico Ecuatorial





Variabilidad intraestacional: *Forzantes externas de Variabilidad - OMJ*





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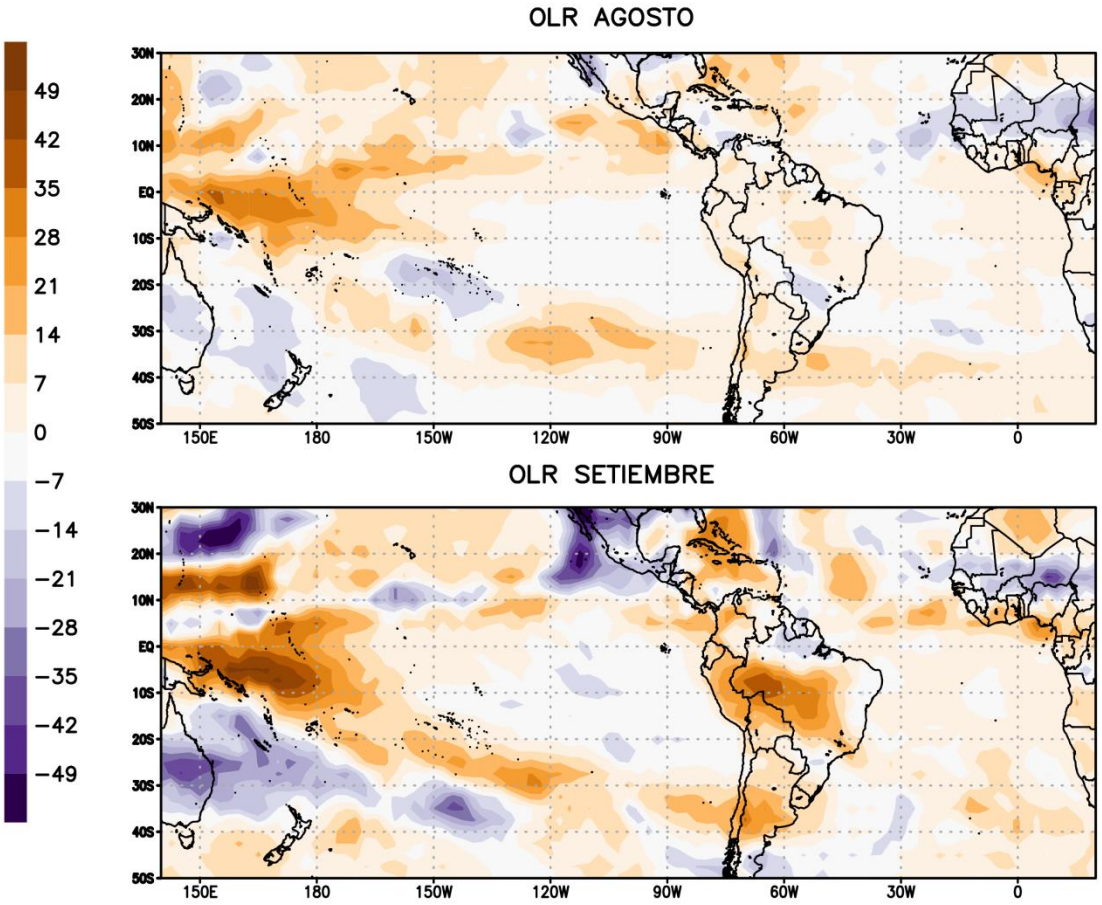
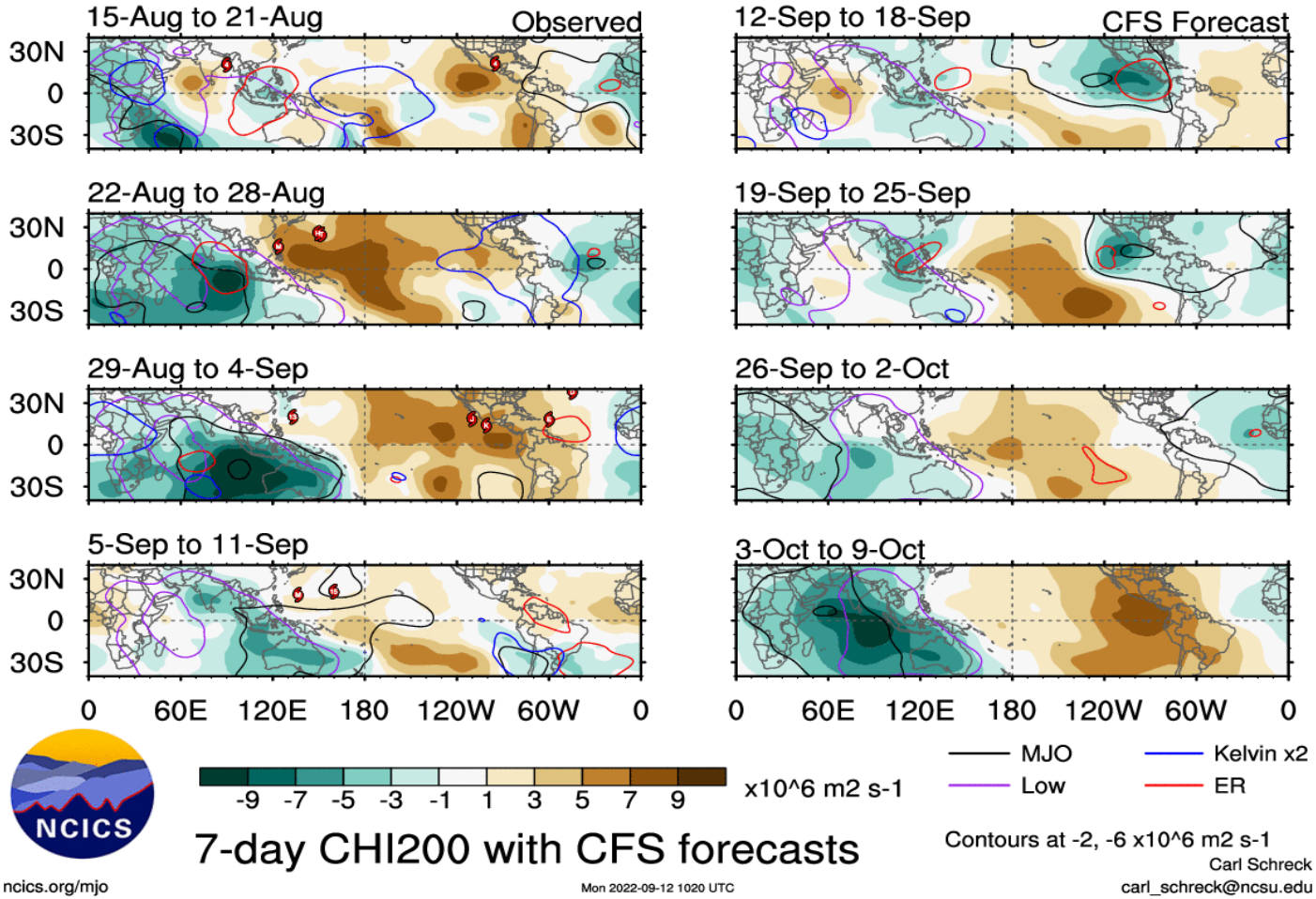
Mon 2022-09-12 1014 UTC

Carl Schreck
carl_schreck@ncsu.edu

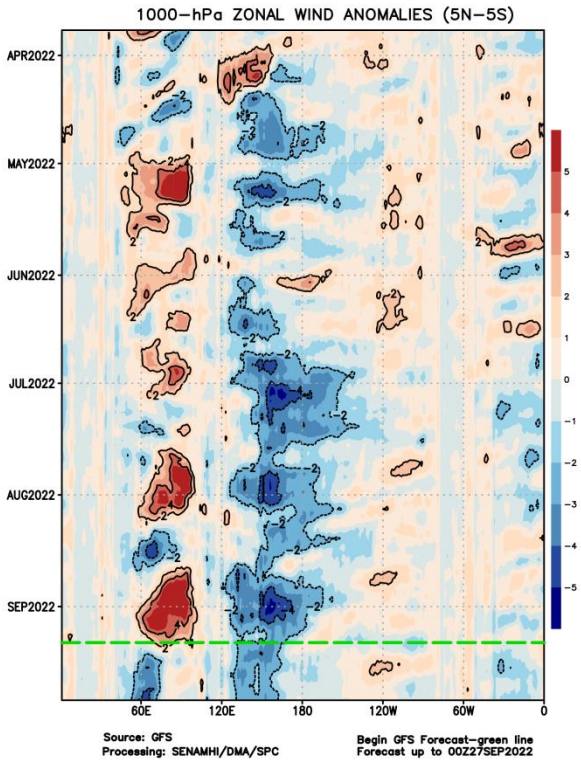
Anomalías de la ORL

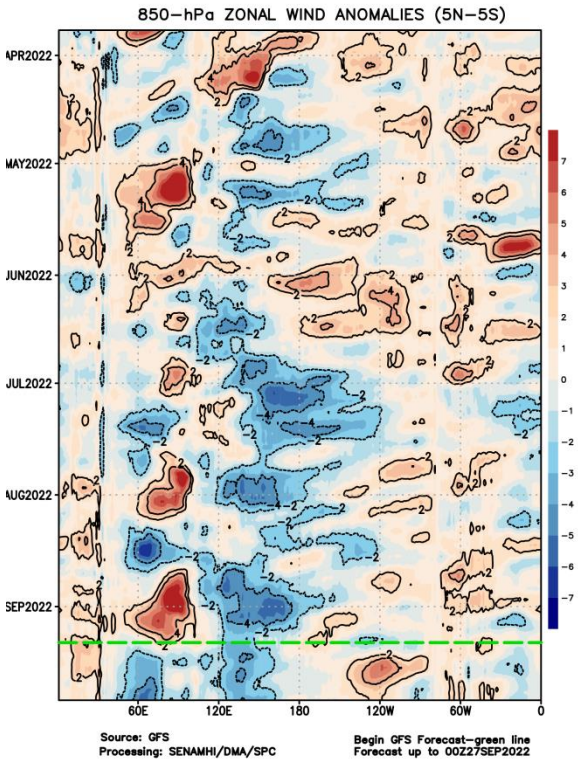


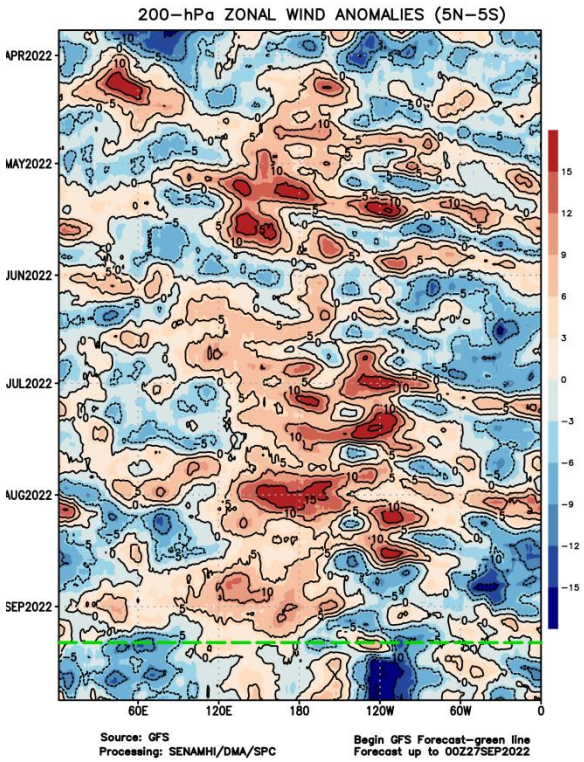
Anomalía de la velocidad potencial a 200 hPa



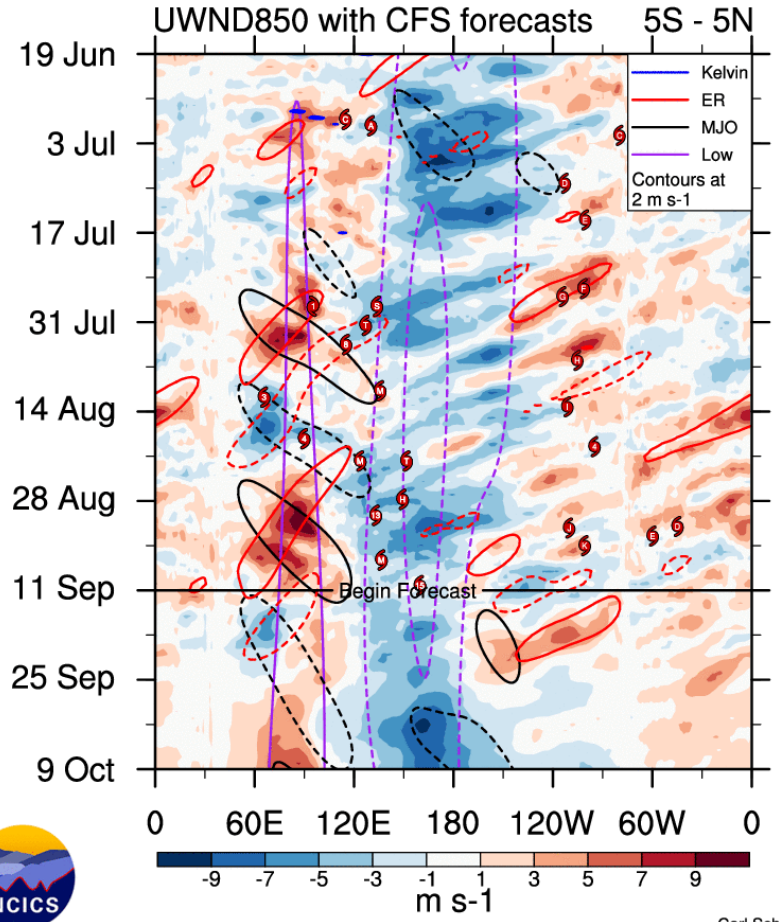
Condiciones en el Pacífico Ecuatorial: *Estes/Oestes*

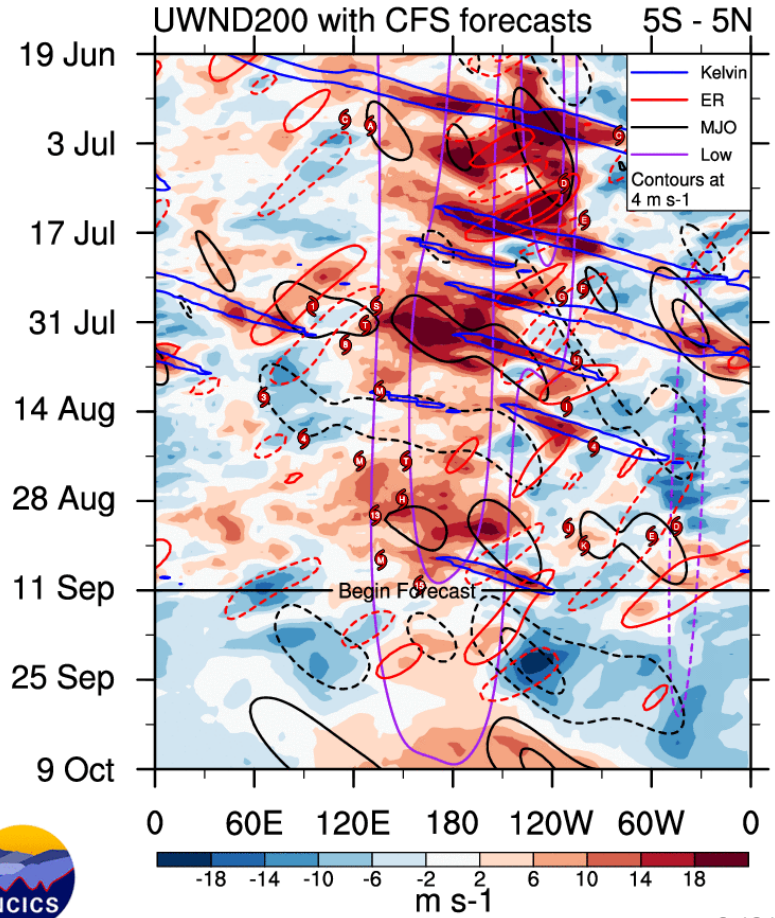






Condiciones en el Pacífico Ecuatorial: *Estes/Oestes*





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Mon 2022-09-12 1016 UTC

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Mon 2022-09-12 1014 UTC

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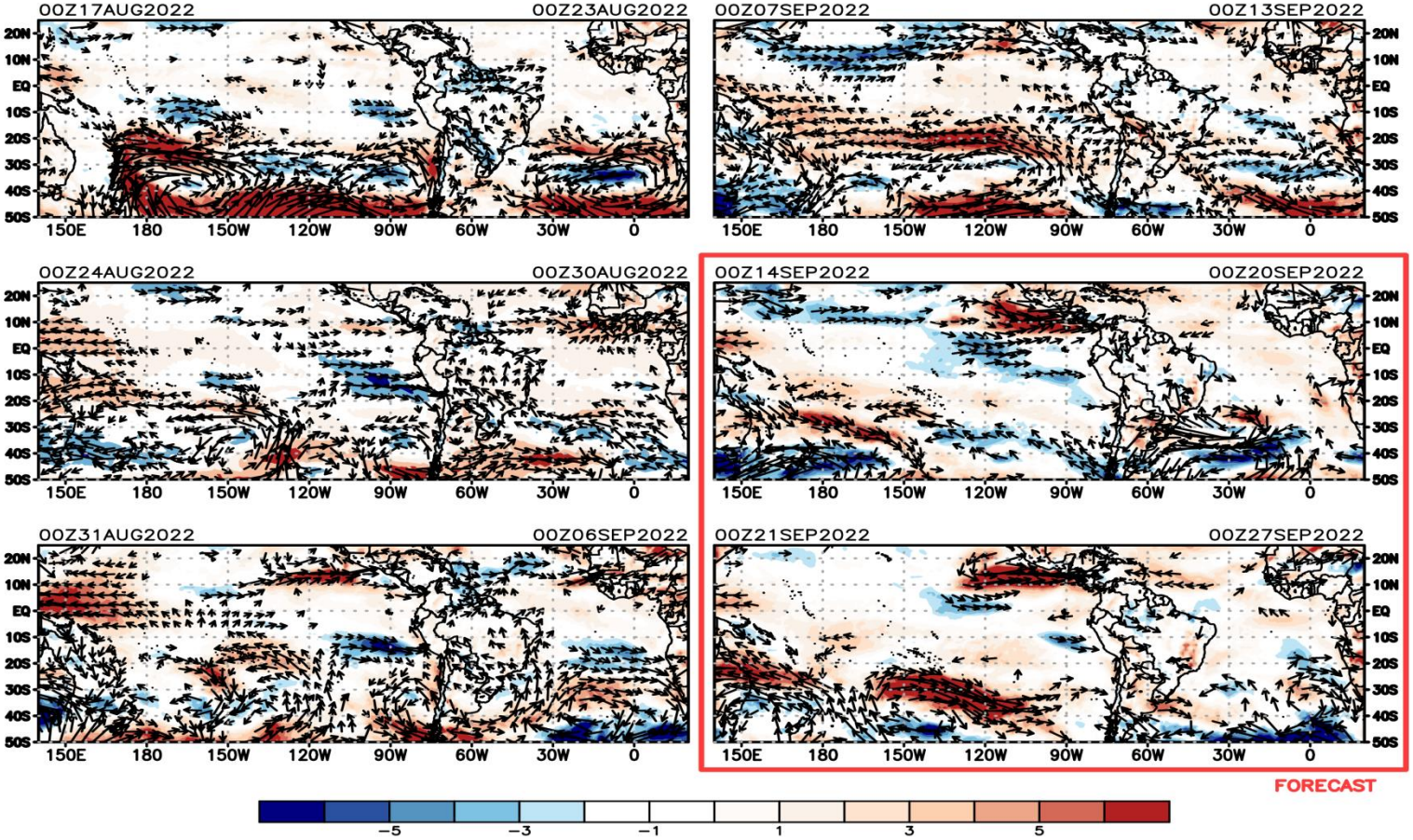
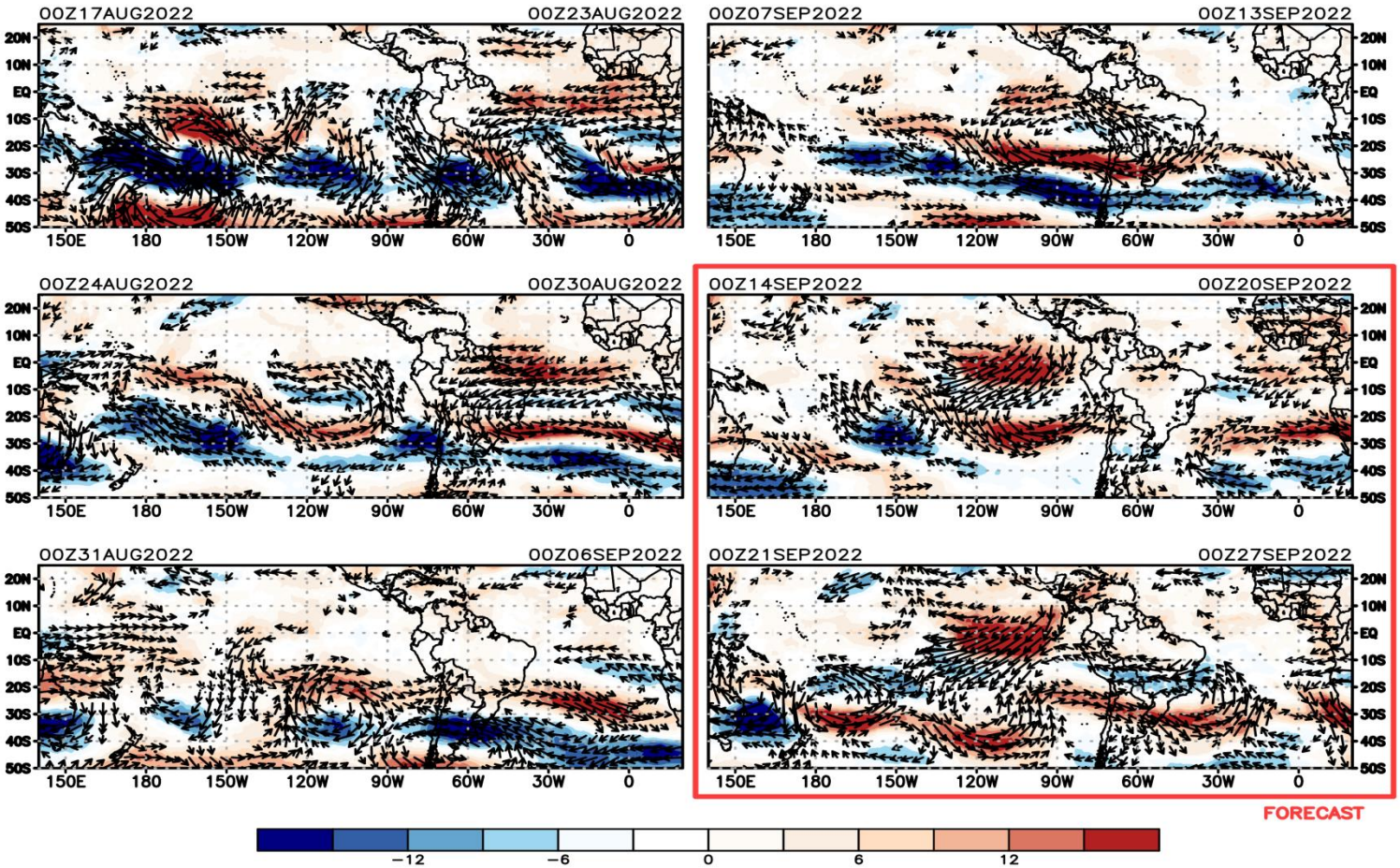
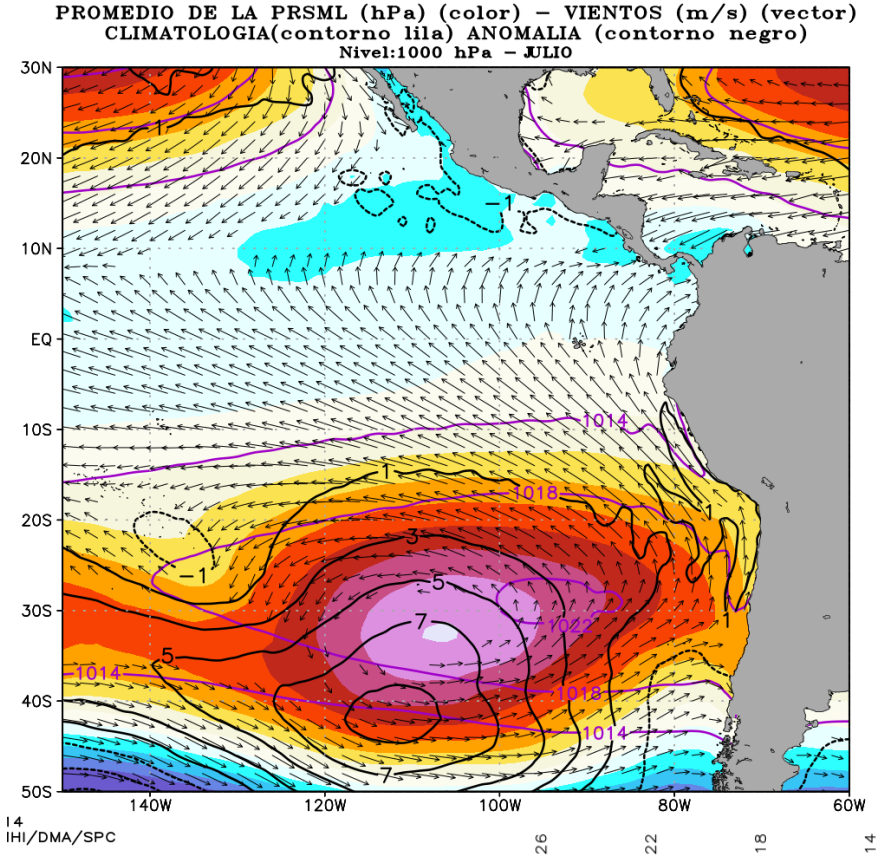
Anomalía de vientos en 850 hPa

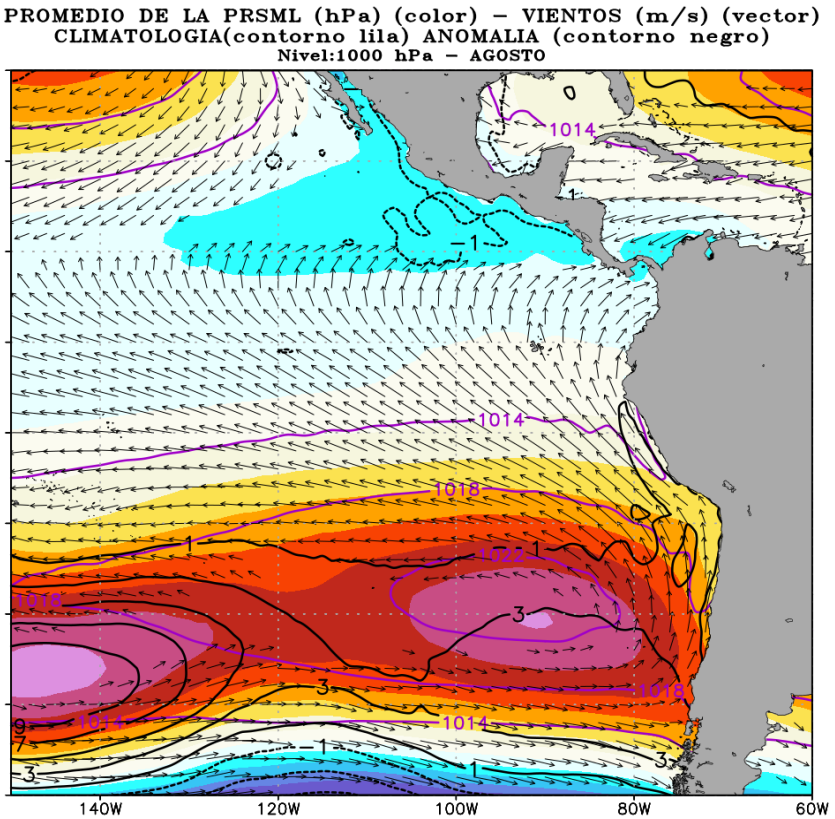


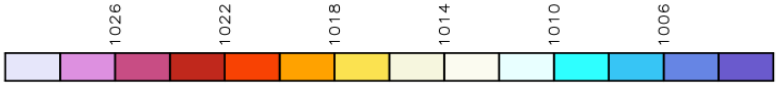
Anomalía de vientos en 200 hPa



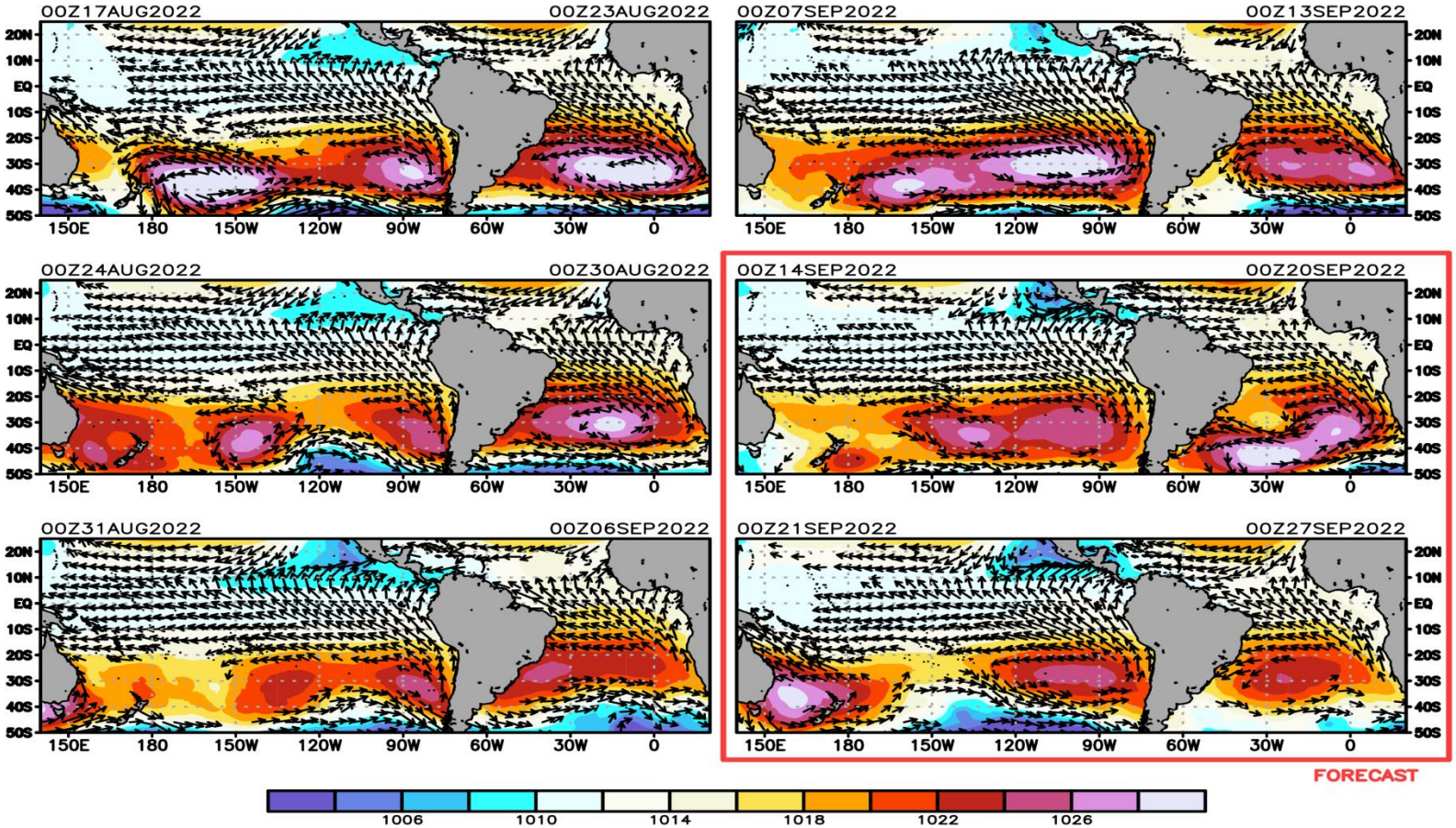
Anticiclón del Pacífico Sur



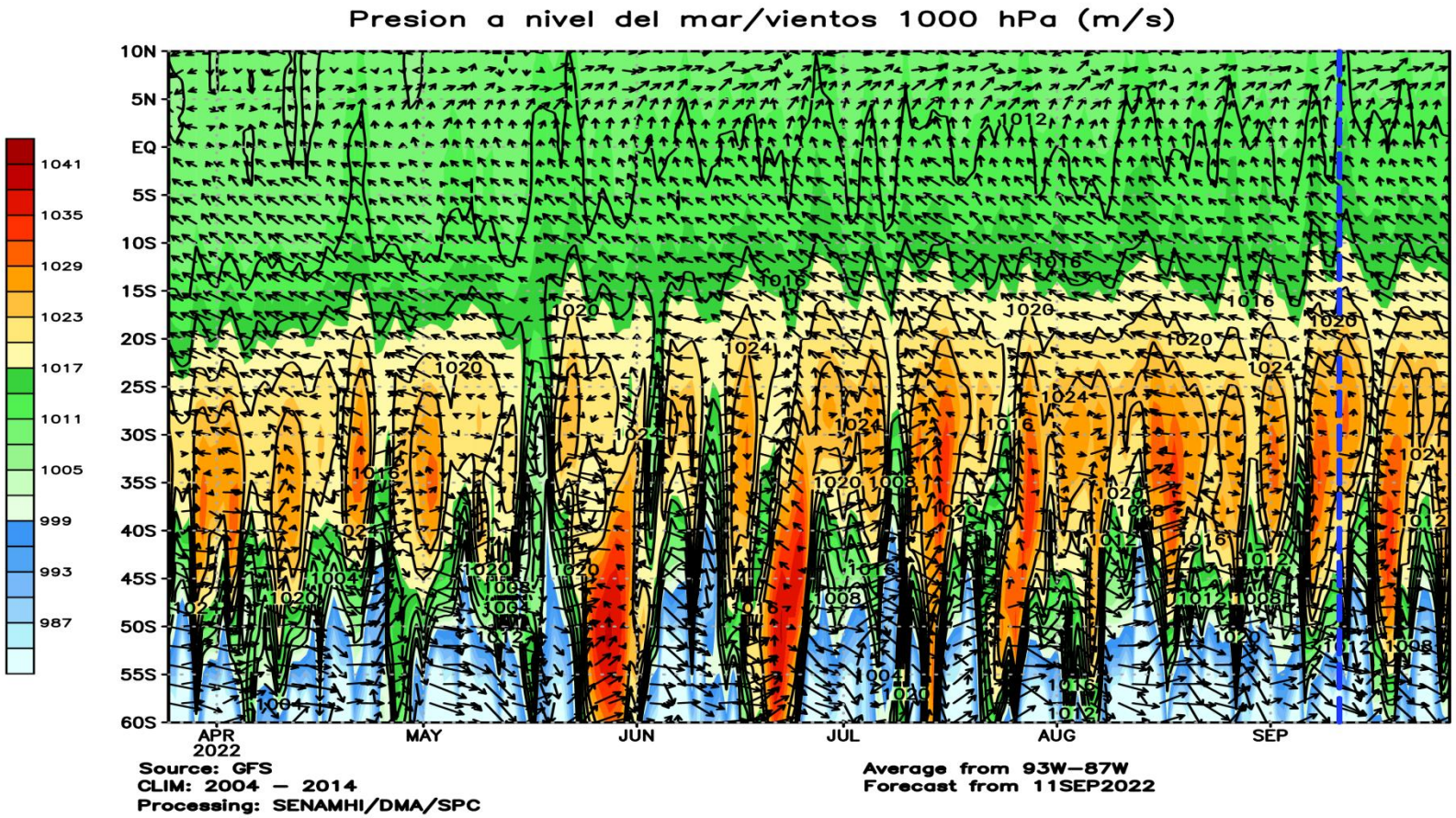




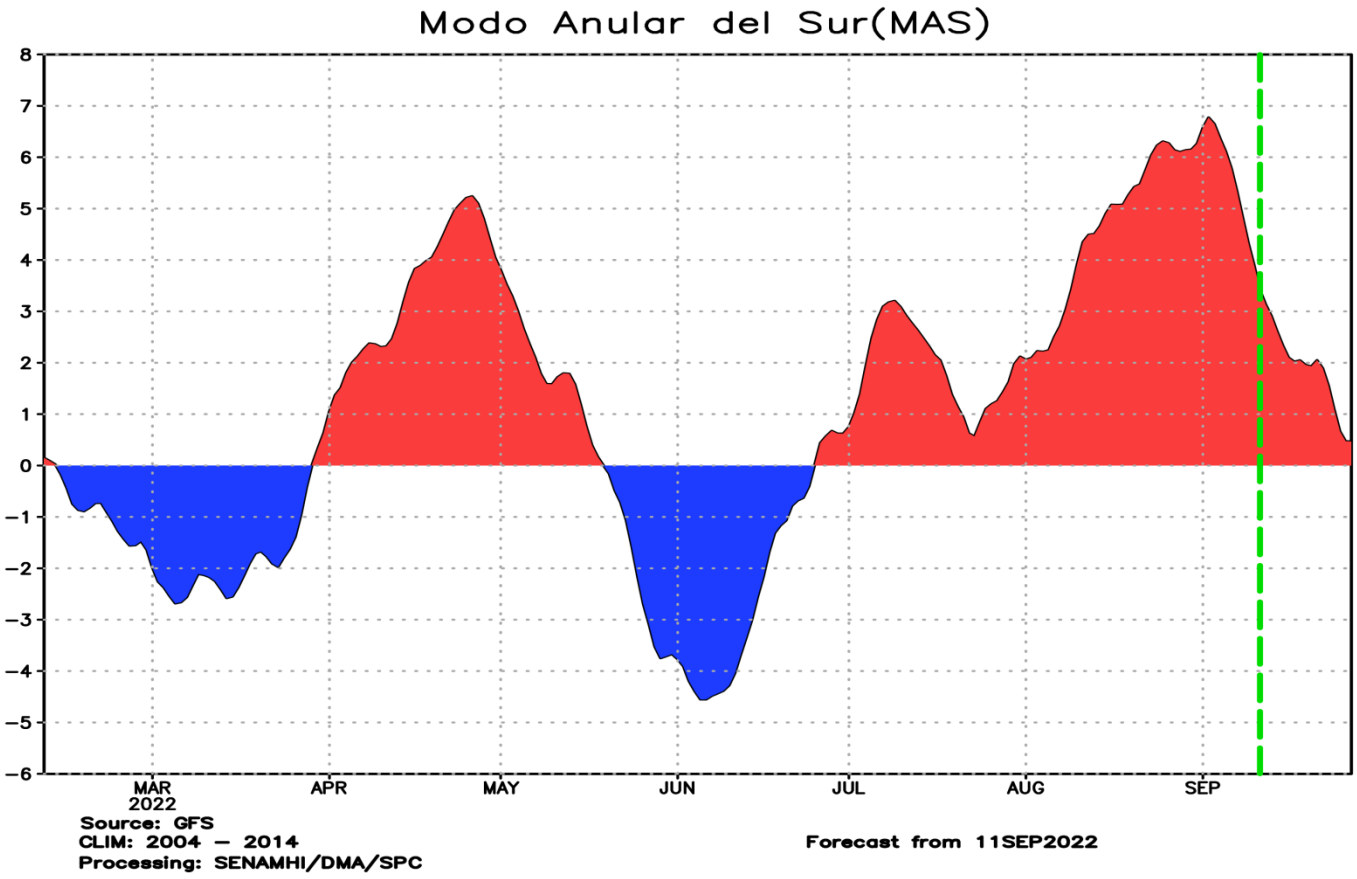
Anticiclón del Pacífico Sur



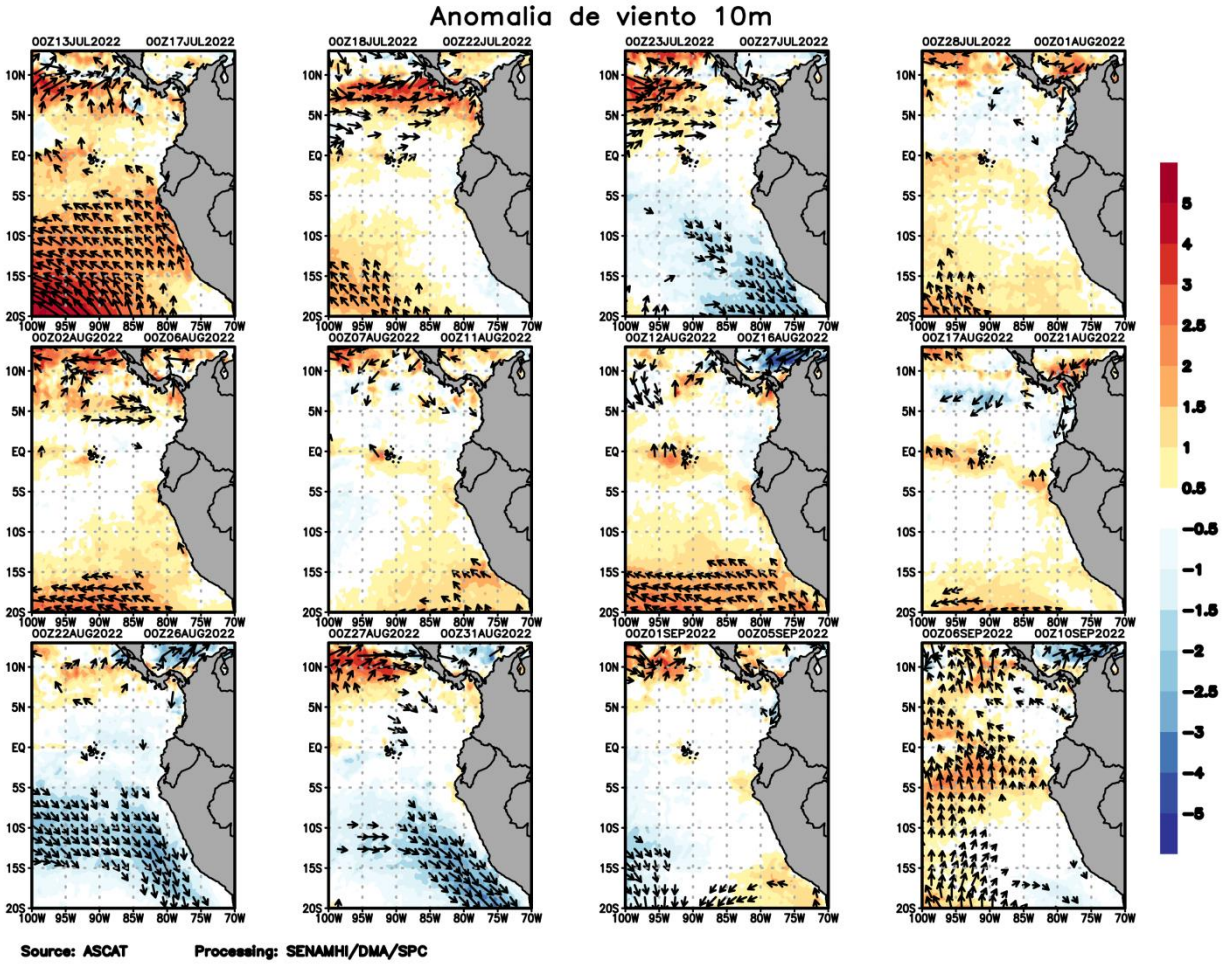
Presión a nivel del mar / vientos a 1000 hPa



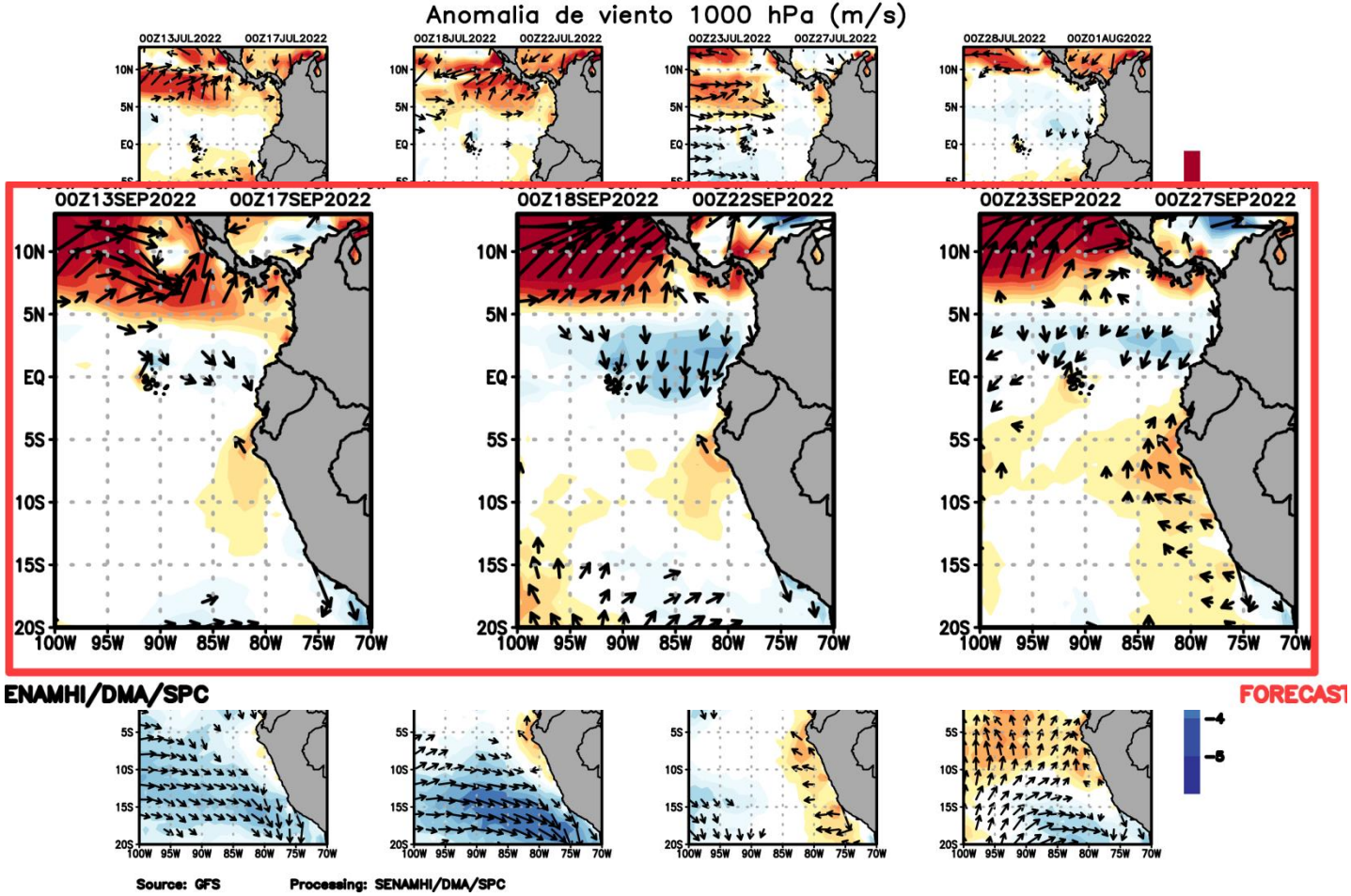
Modo Anular del Sur (MAS)



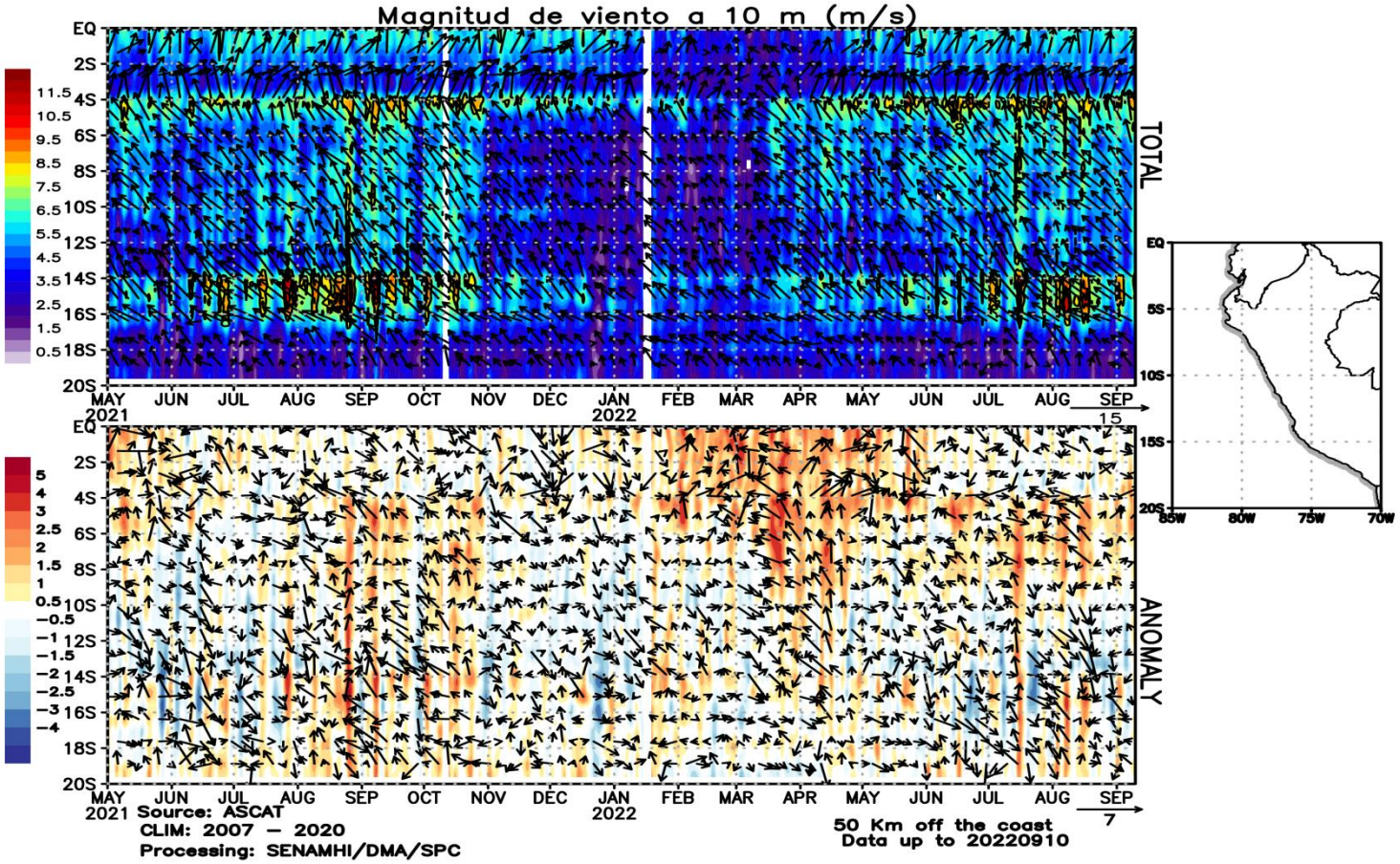
Condiciones regionales: *Vientos a 10 m - ASCAT*



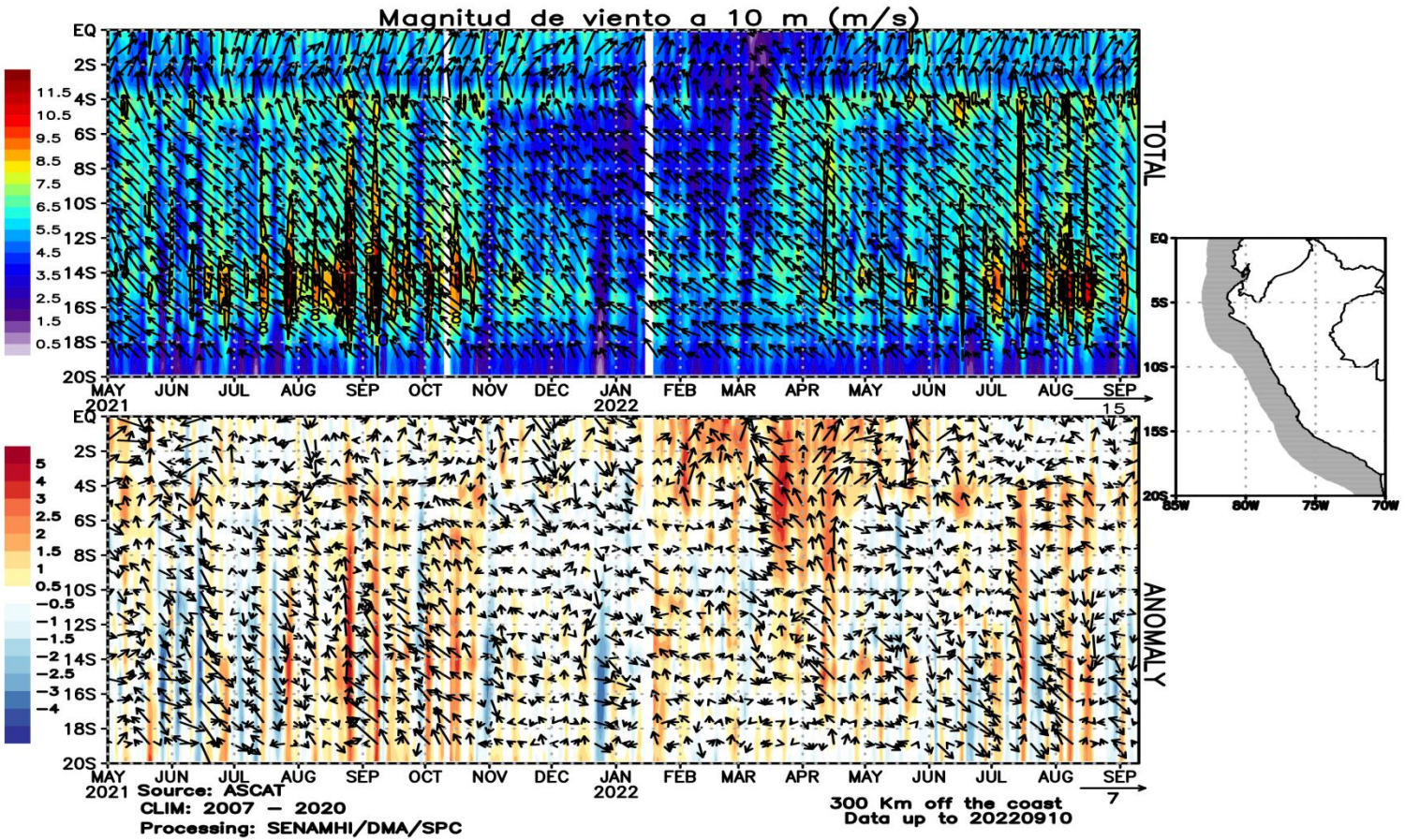
Condiciones regionales: *Vientos a 1000 hPa - GFS*



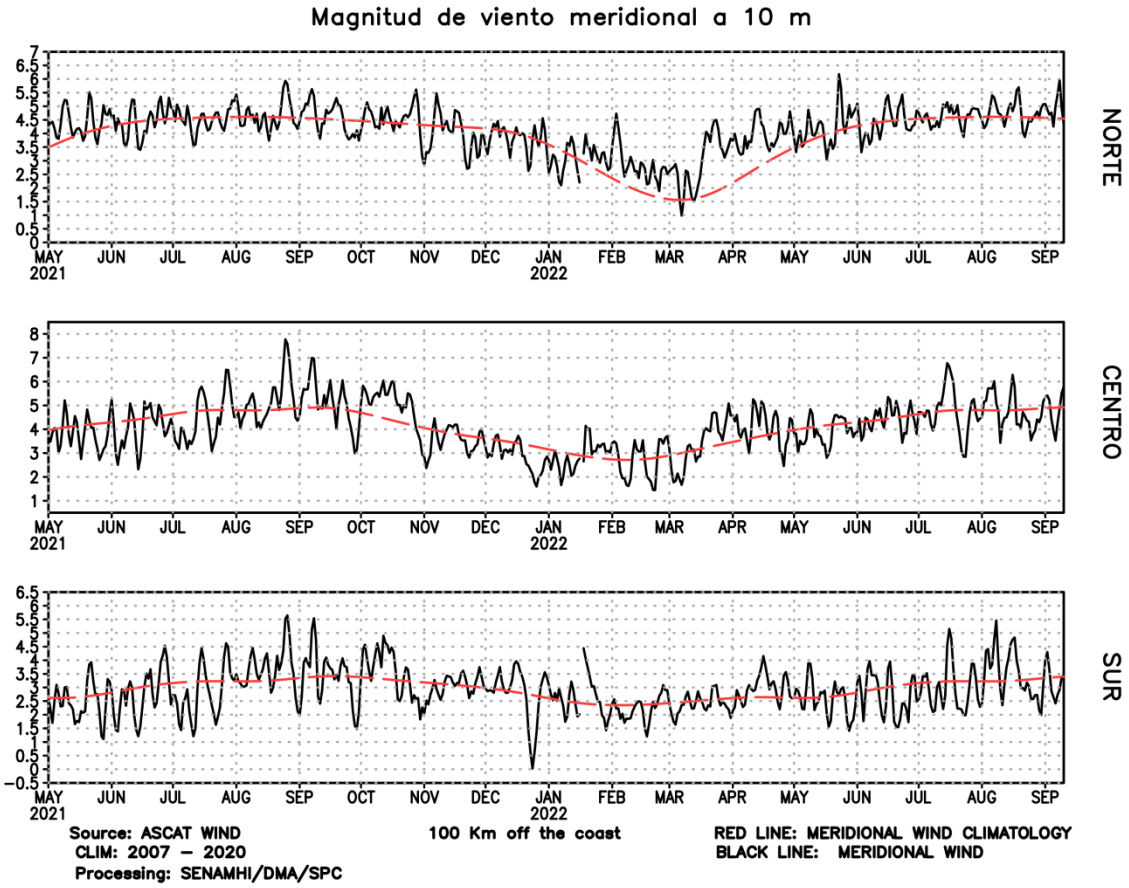
Condiciones regionales: *Flujo de viento a 10m*

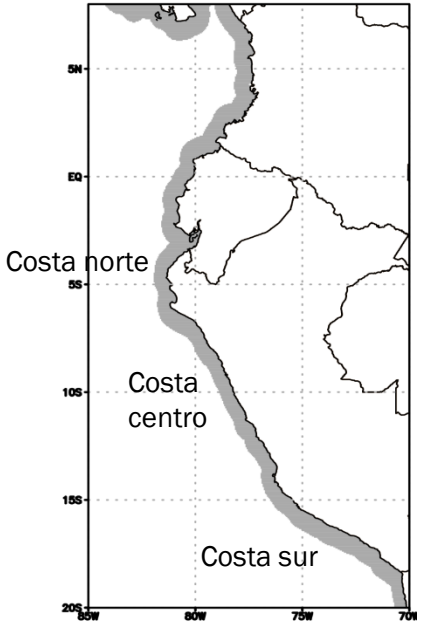


Condiciones regionales: *Flujo de viento a 10m*

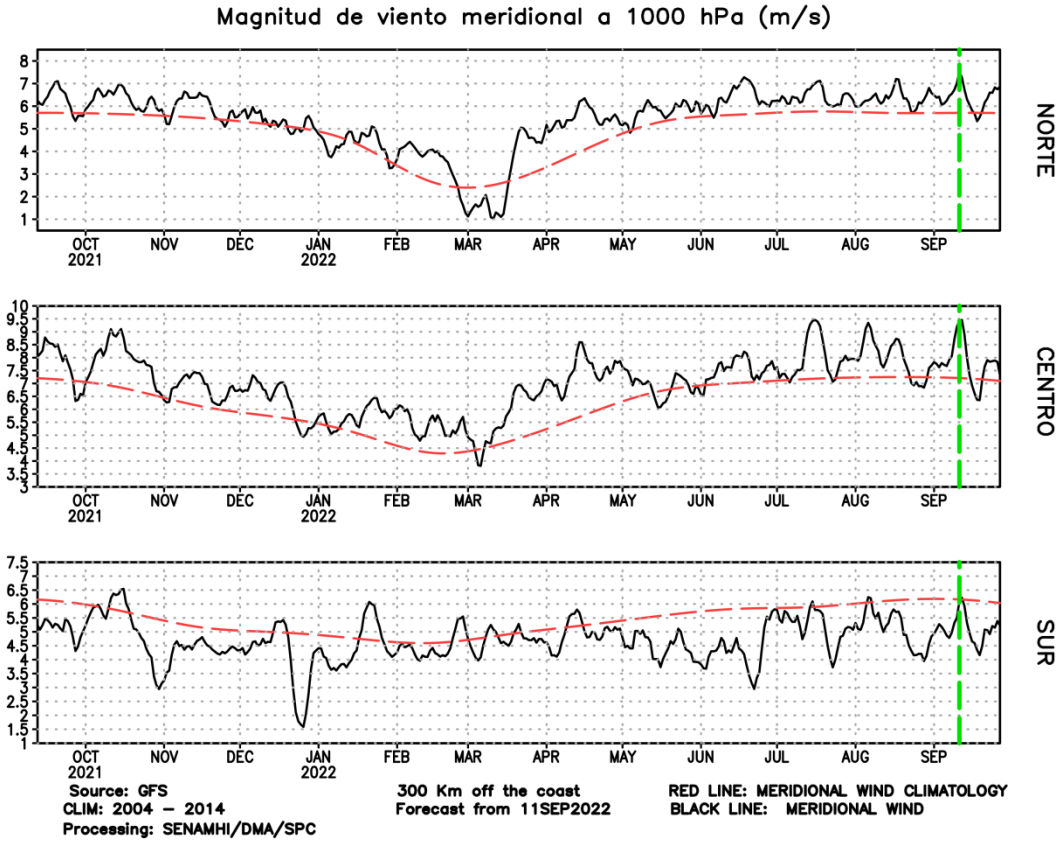


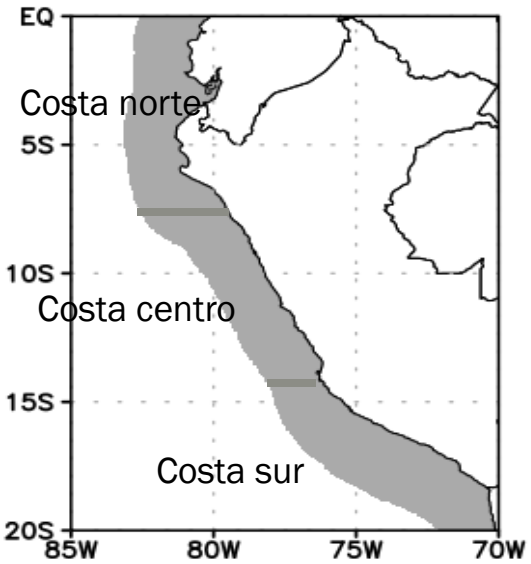
Condiciones regionales: *Flujo de viento a 10m*





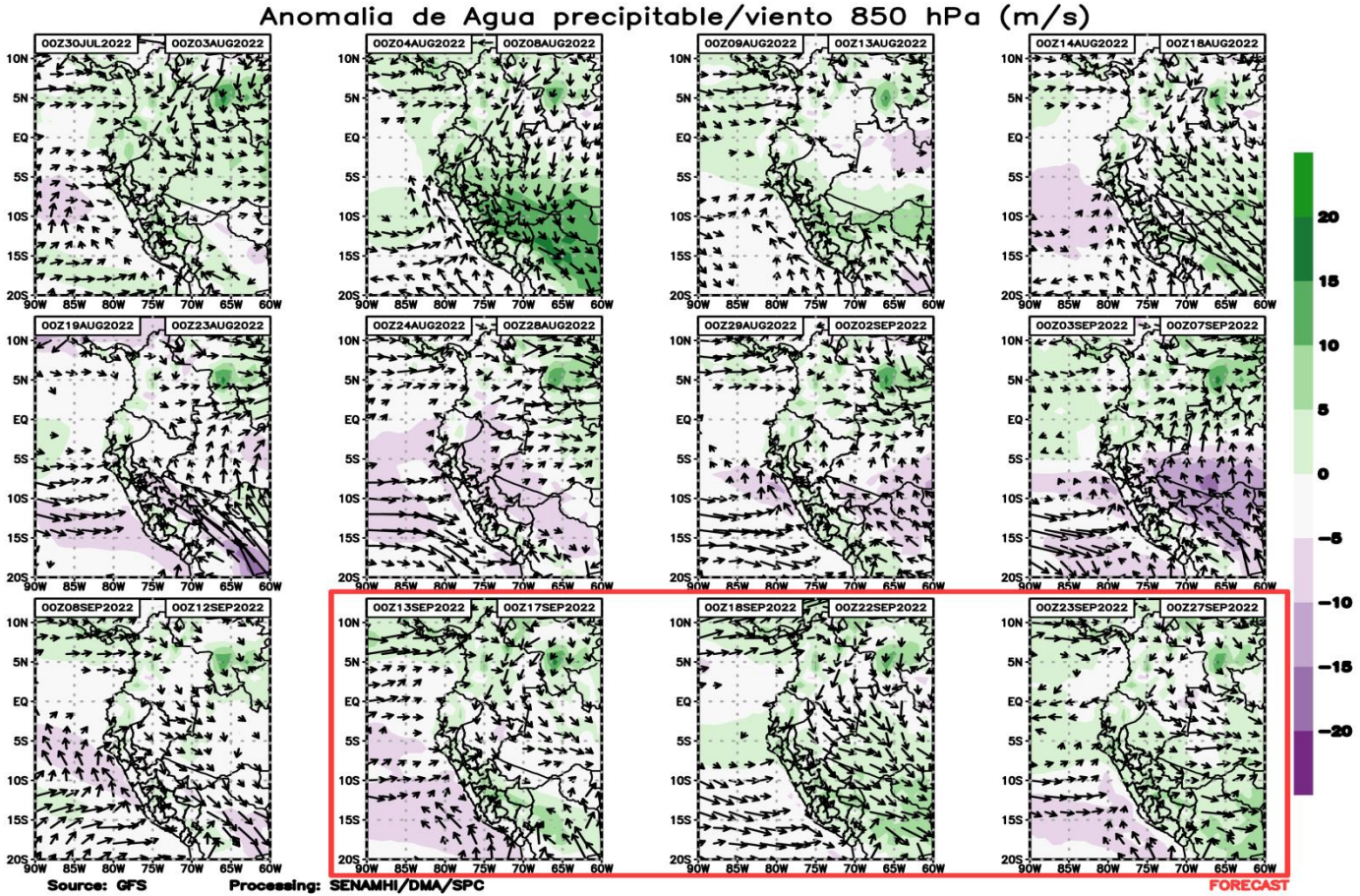
Condiciones regionales: *Flujo de viento en 1000 hPa*





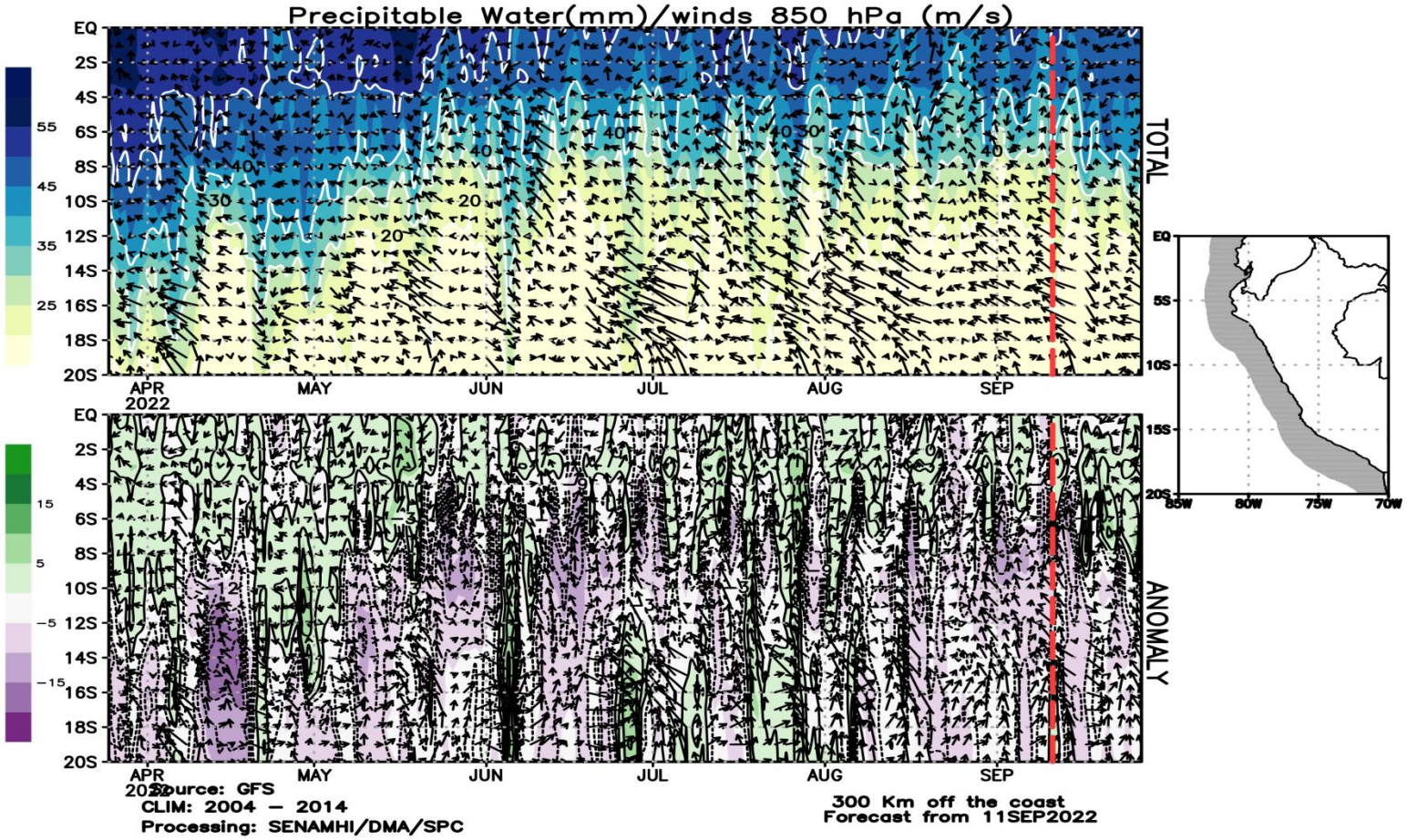
Condiciones regionales:

Agua Precipitable y Flujo de viento en 850 hPa fuera del litoral



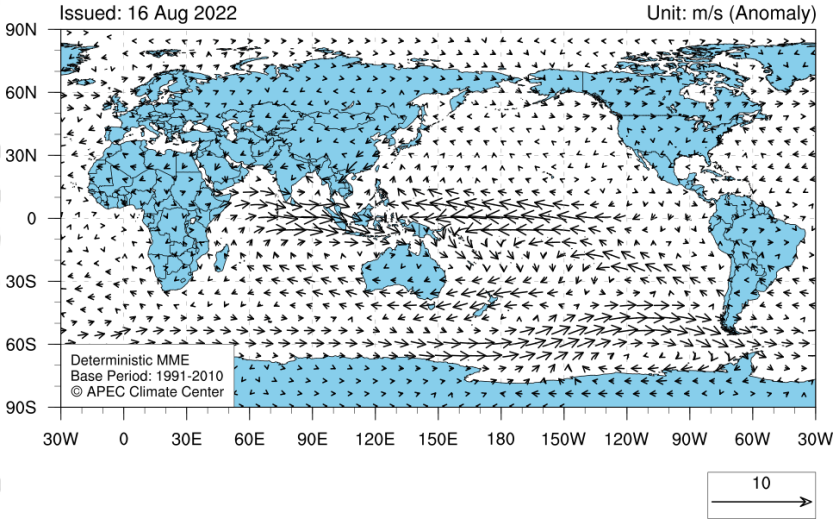
Condiciones regionales:

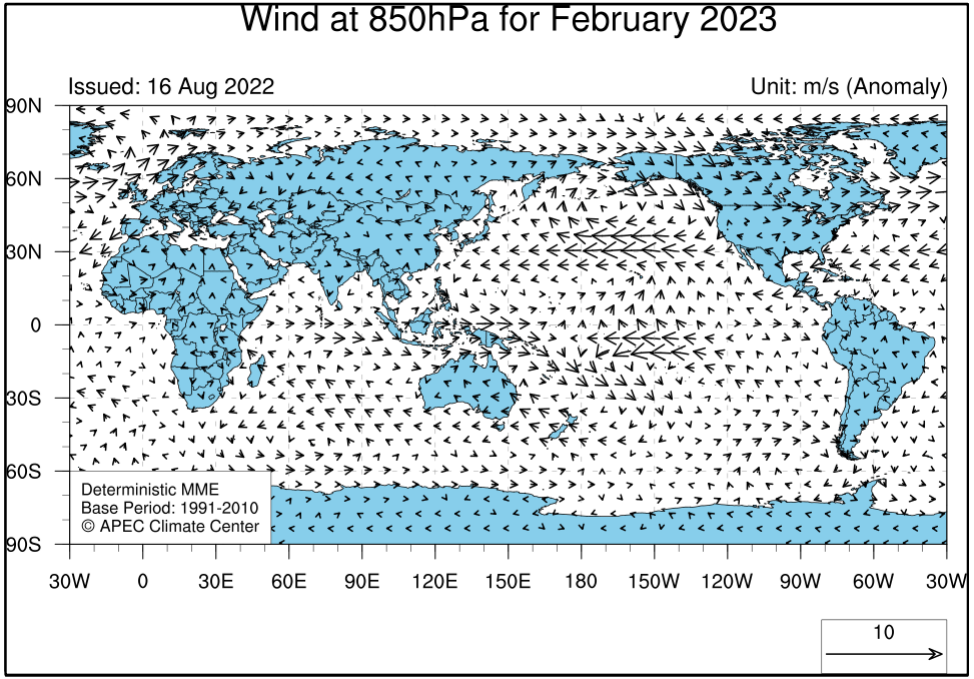
Agua Precipitable y Flujo de viento en 850 hPa fuera del litoral



Pronóstico determinístico MME

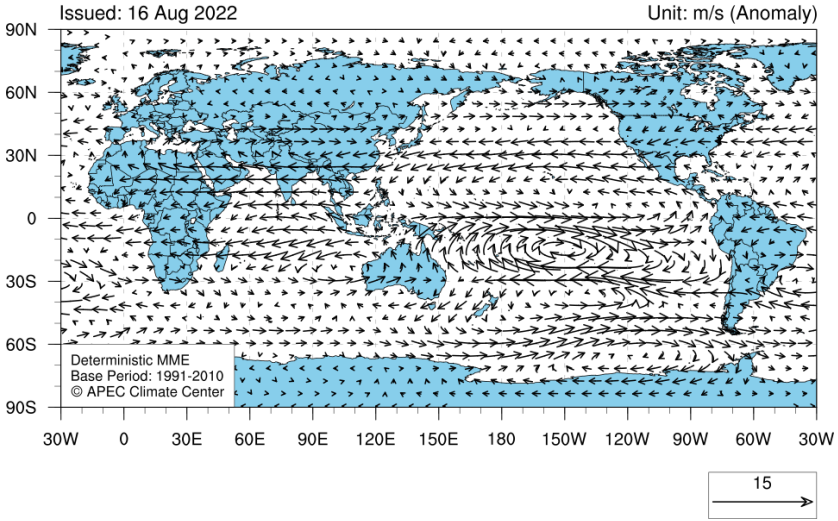
Wind at 850hPa for September-November 2022

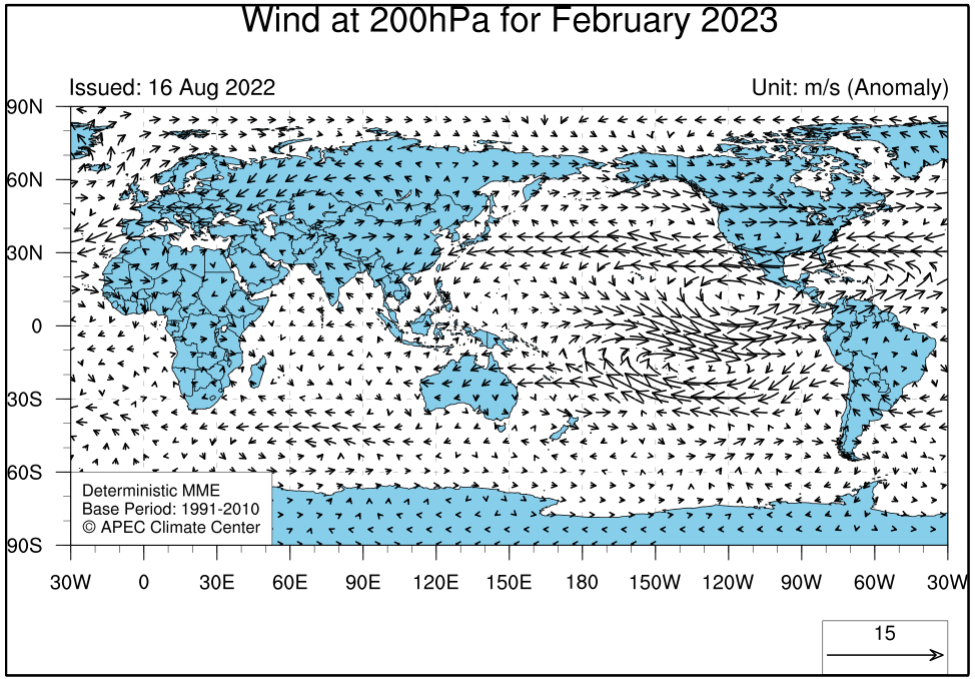




Pronóstico determinístico MME

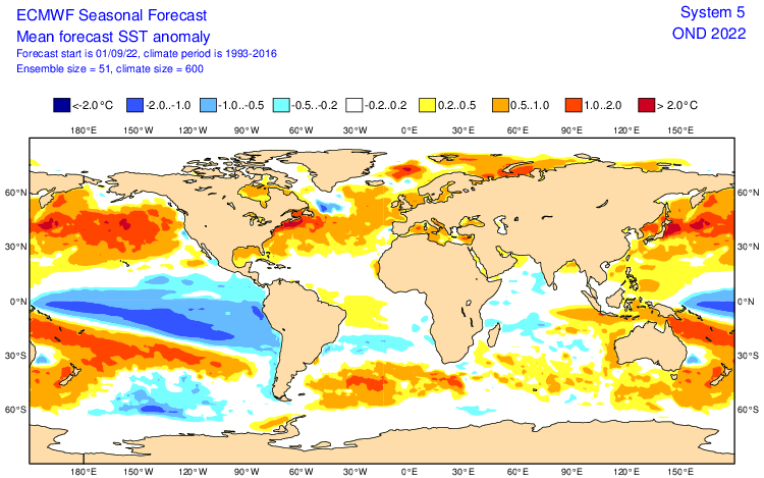
Wind at 200hPa for September-November 2022

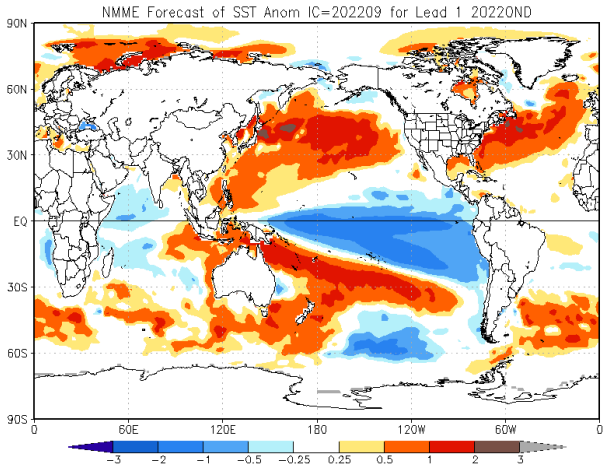


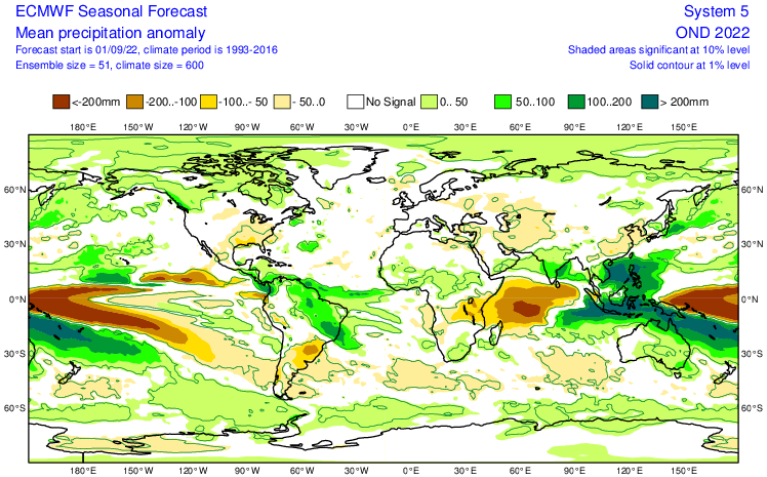


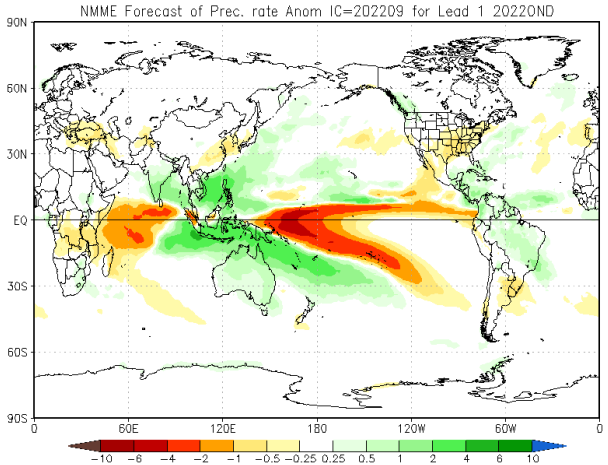
MODELO EUROPEO

MODELO AMERICANO (NMME NOAA)



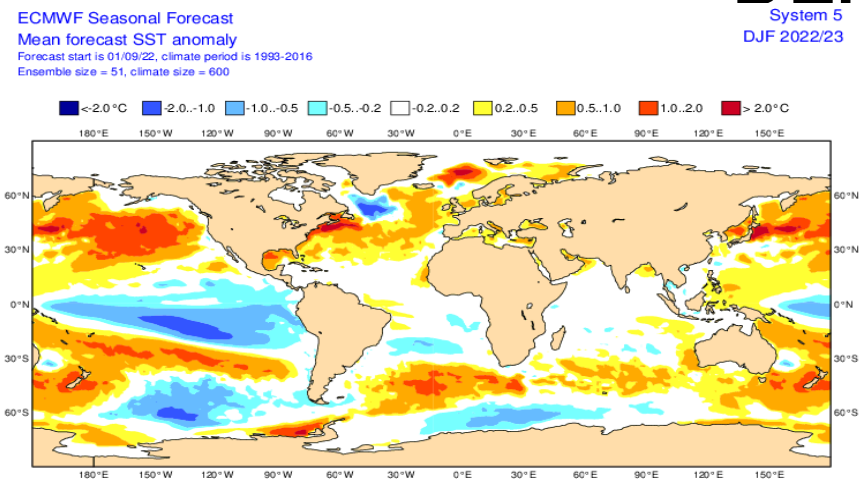


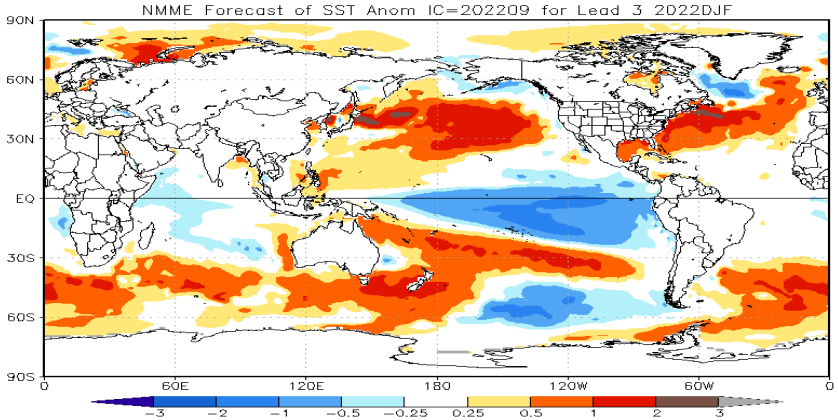


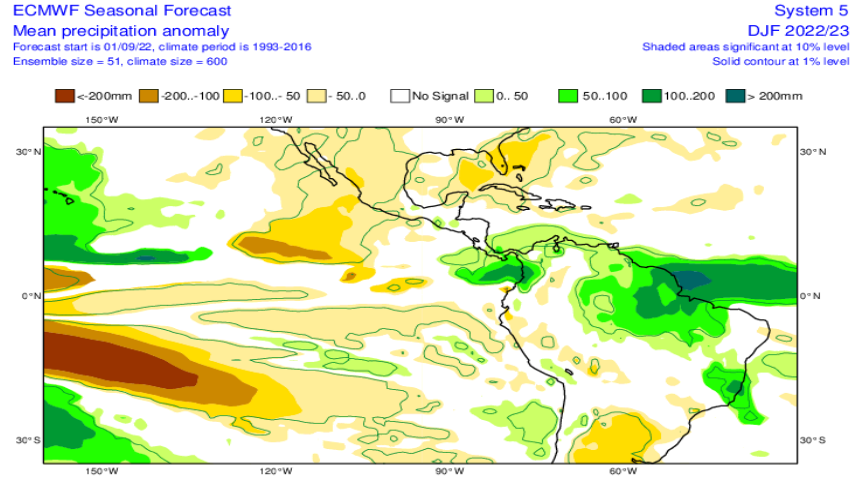


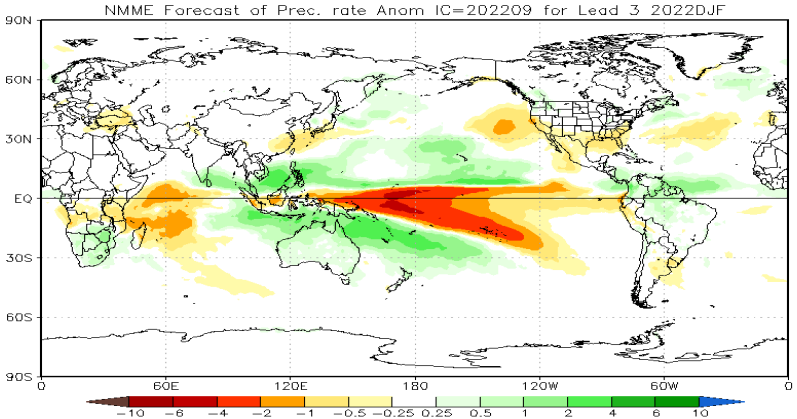
OND

DEF 2023

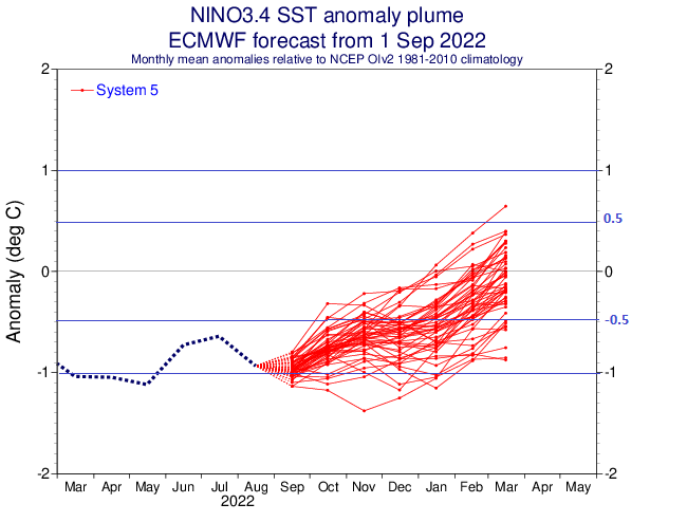

ECMWF Seasonal Forecast
Mean forecast SST anomaly
Forecast start is 01/09/22, climate period is 1993-2016
Ensemble size = 51, climate size = 600
System 5
DJF 2022/23
<-2.0°C
-2.0..-1.0
-1.0..-0.5
-0.5..-0.2
-0.2..0.2
0.2..0.5
0.5..1.0
1.0..2.0
> 2.0°C


NMME Forecast of SST Anom IC=202209 for Lead 3 2022DJF

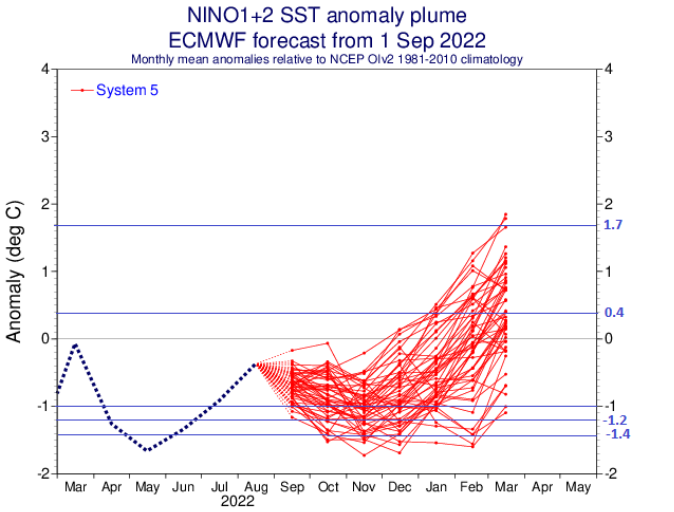

ECMWF Seasonal Forecast
Mean precipitation anomaly
Forecast start is 01/09/22, climate period is 1993-2016
Ensemble size = 51, climate climate size = 600
System 5
DJF 2022/23
Shaded areas significant at 10% level
Solid contour at 1% level
<-200mm
-200..-100
-100..-50
-50..0
No Signal
0..50
50..100
100..200
> 200mm

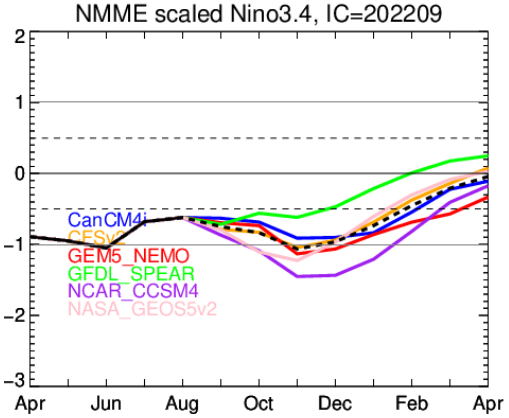

NMME Forecast of Prec. rate Anom IC=202209 for Lead 3 2022DJF

Niño 3.4



Niño 1+2





Categorías	Valor mensual del ICEN
Fría Fuerte	Menor que -1.4
Fría Moderada	Mayor o igual que -1.4 y menor que -1.2
Fría Débil	Mayor o igual que -1.2 y menor que -1.0
Neutras	Mayor o igual que -1.0 y menor o igual que 0.4
Cálida Débil	Mayor que 0.4 y menor o igual que 1.0
Cálida Moderada	Mayor que 1.0 y menor o igual que 1.7
Cálida Fuerte	Mayor que 1.7 y menor o igual que 3.0
Cálida Extraordinaria	Mayor que 3.0

Categorías de las anomalías en las condiciones de la temperatura según el ICEN. (Fuente: ENFEN, 2012)

GRACIAS!

SERVICIO NACIONAL DE METEOROLOGÍA E HIDROLOGÍA DEL PERÚ

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