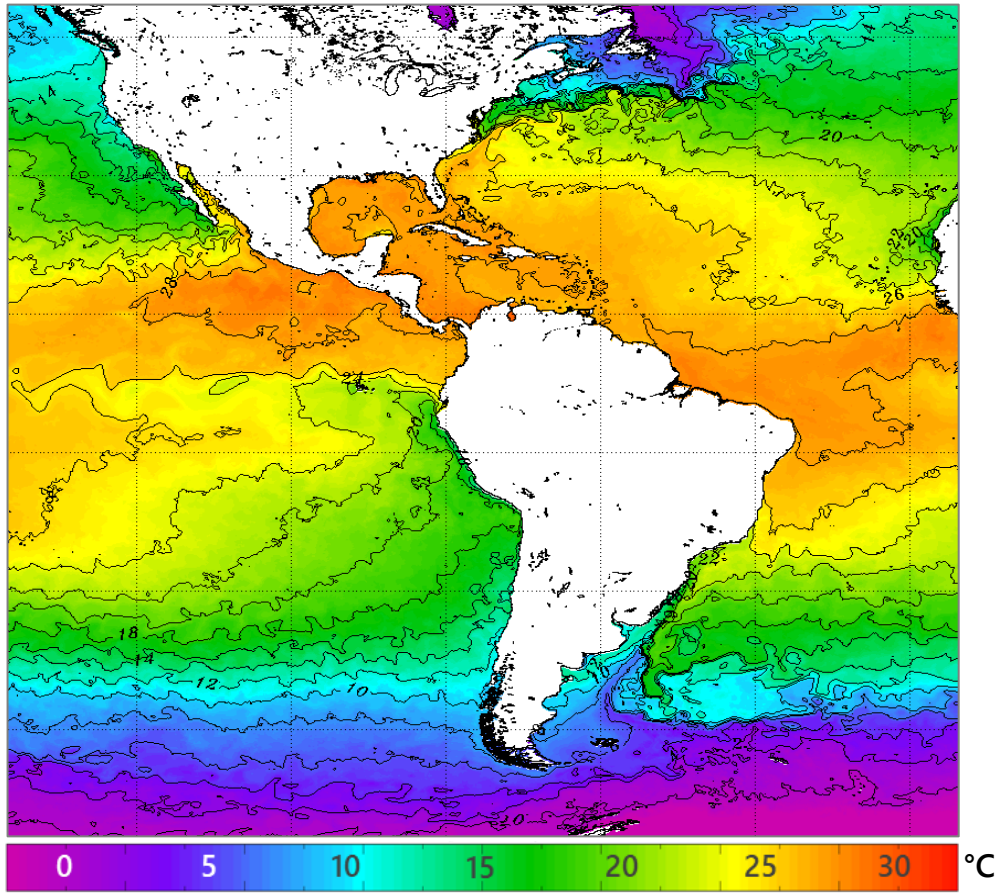
Monthly Regional Focus Group Session

Wednesday 8 June 2022 at 15 UTC

https://rammb2.cira.colostate.edu/training/rmtc/focusgroup/

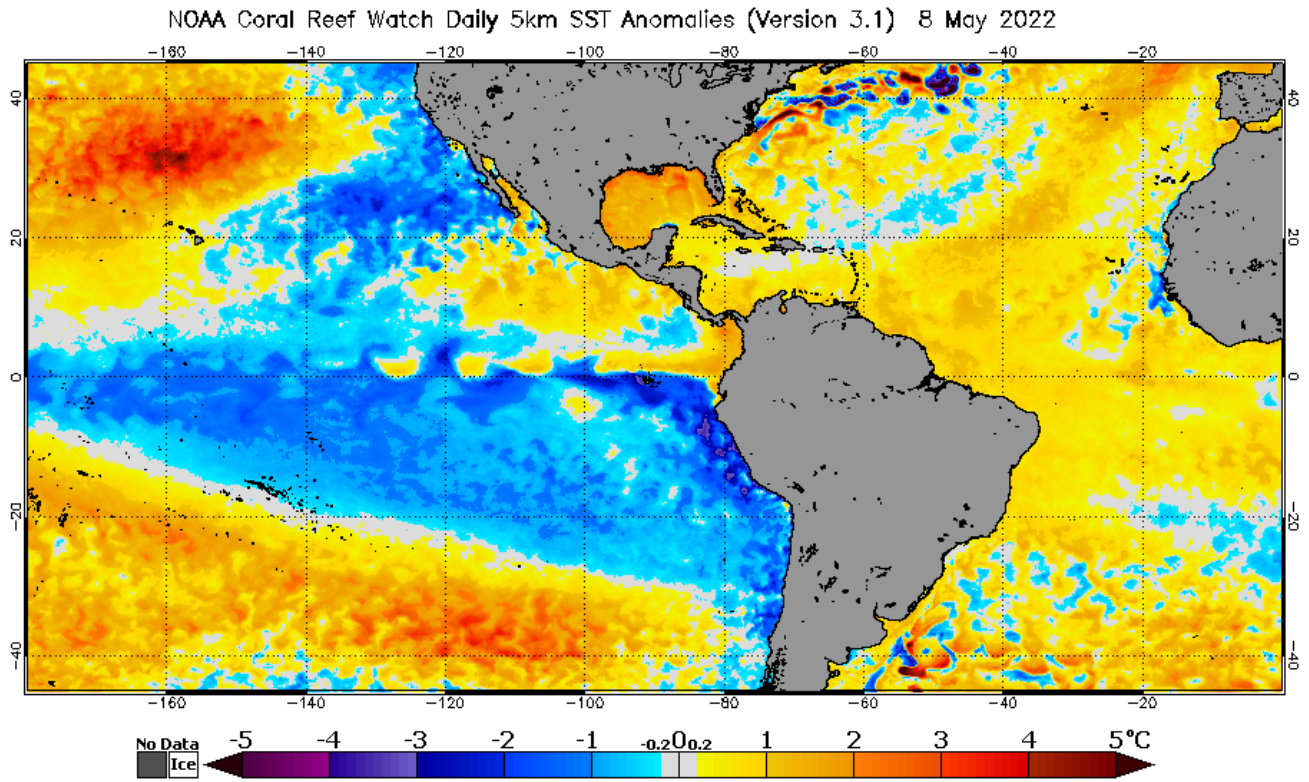
Sea Surface Temperatures

Daily SST June 06



NOAA OSPO
https://www.ospo.noaa.gov/data/sst/contour/global_small.c.gif

Anomaly Evolution

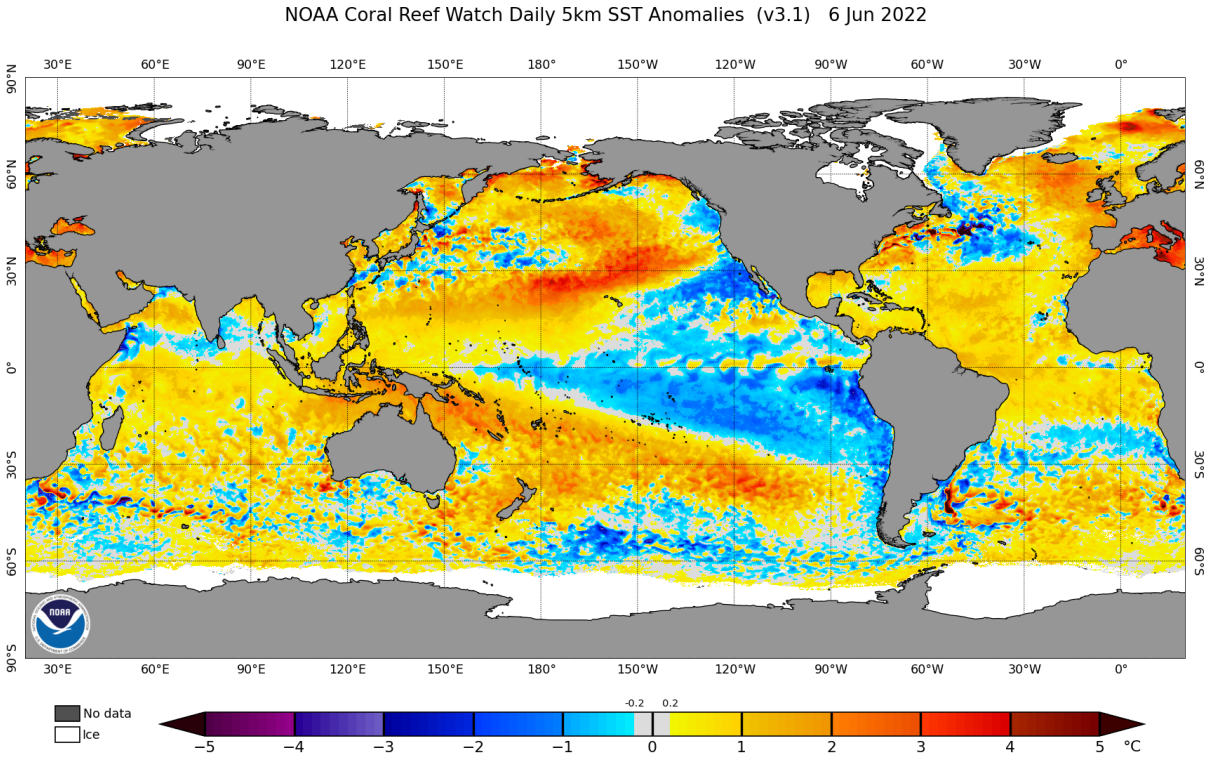


NOAA Coral Reef Watch
https://coralreefwatch.noaa.gov/

Are ocean temperature anomalies deep?

Deep anomalies last longer, becoming useful for subseasonal forecasting.

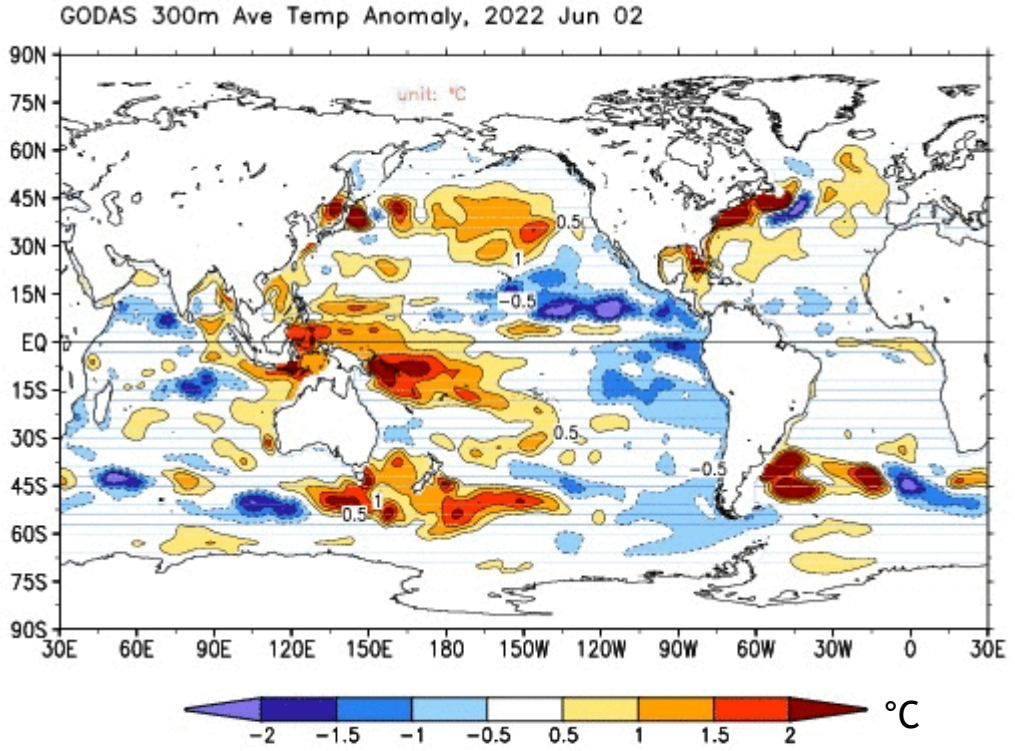
SST Anomaly – June 06



NOAA Coral Reef Watch

Source: https://coralreefwatch.noaa.gov/product/5km/index_5km_ssta.php

Top 300m-Layer Anomaly – June 02



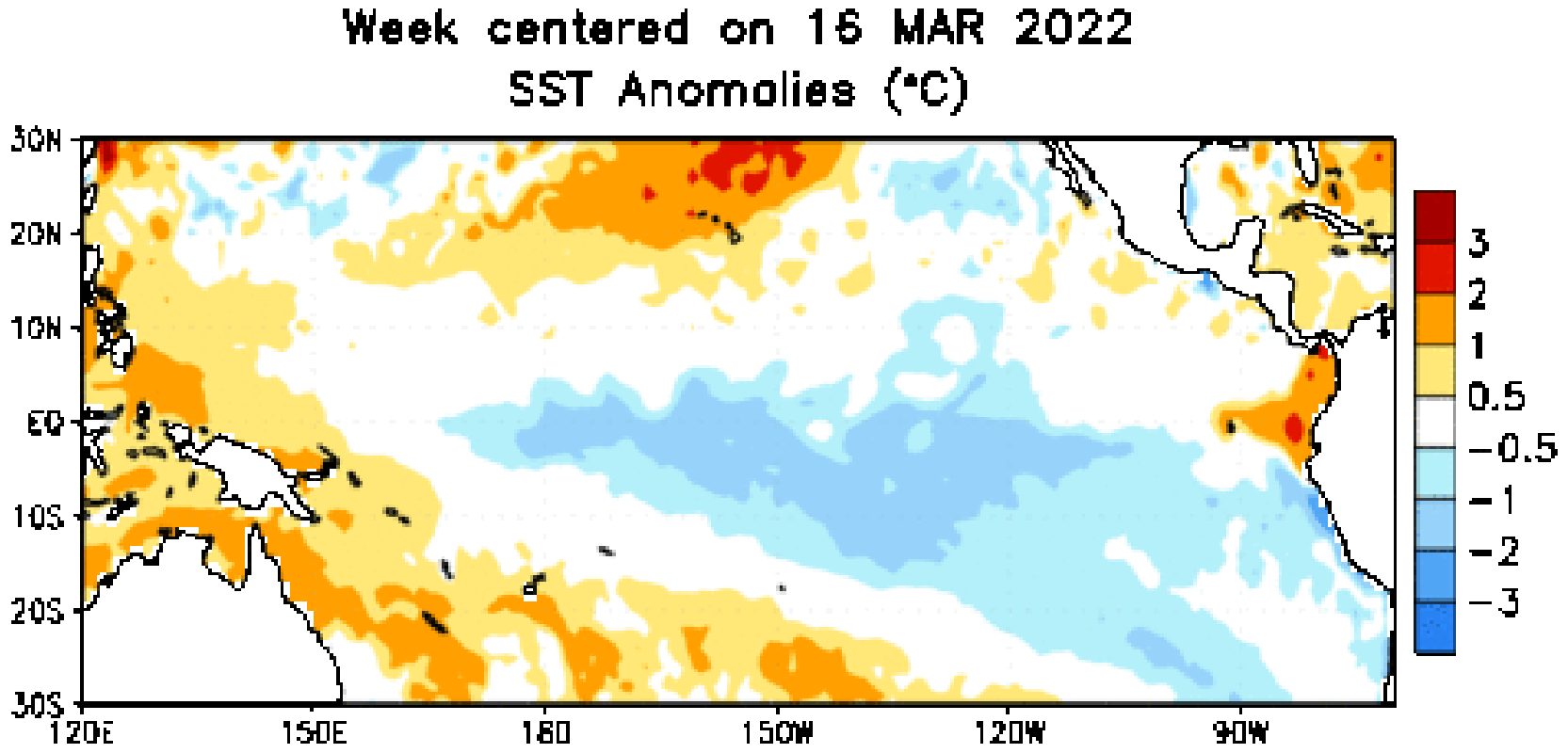
NOAA CPC

Source: CPC GODAS, https://www.cpc.ncep.noaa.gov/products/GODAS/

ENSO:
La Niña

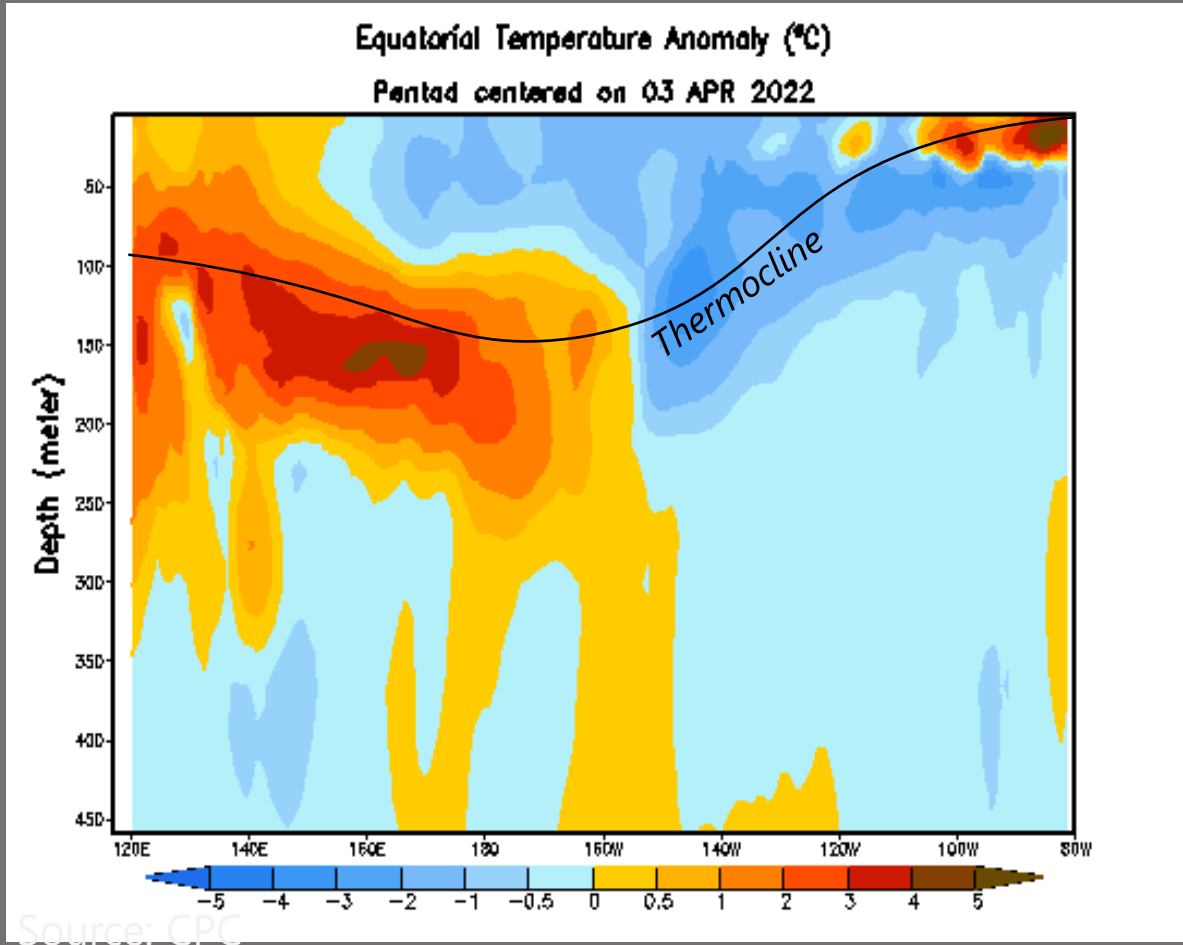
(no changes since April)

- La Niña is present.*
- Equatorial sea surface temperatures (SSTs) are below average across most of the Pacific Ocean.
- The tropical Pacific atmosphere is consistent with La Niña.



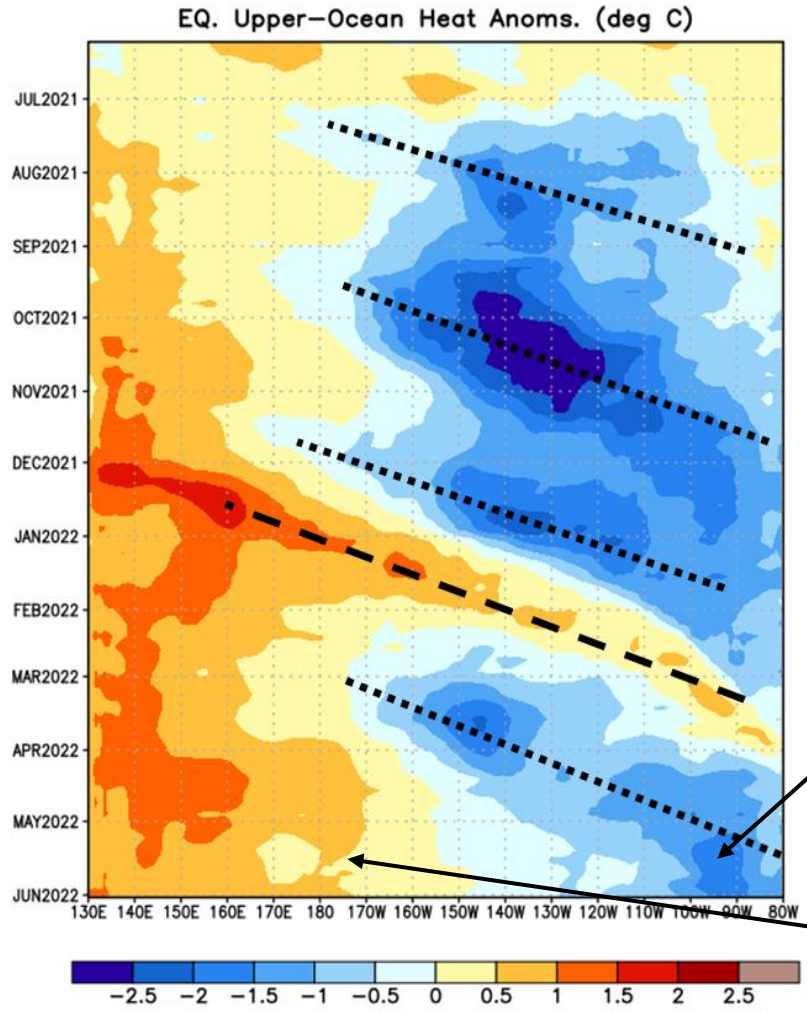
ENSO: Oceanic Kelvin Waves

Equatorial Pacific Temperature Anomaly Cross Section



Source: CPC

Heat Content Hovmöller



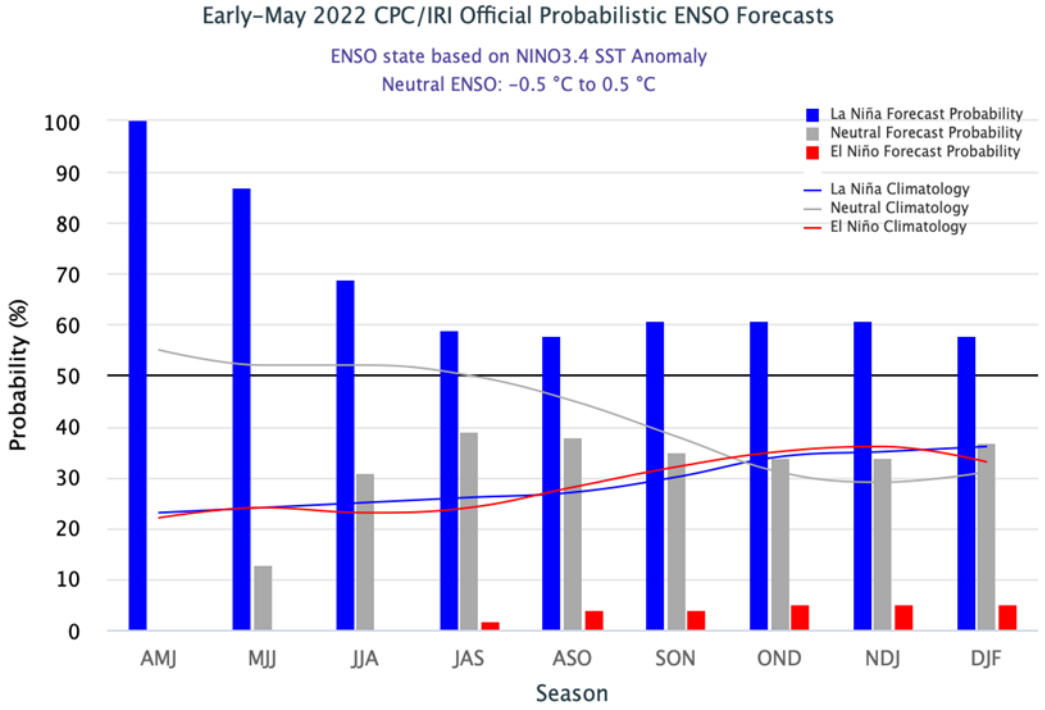
Negative SST Anoms to continue in South America through June.

Warm Kelvin Wave propagation still not fully clear

ENSO Outlook

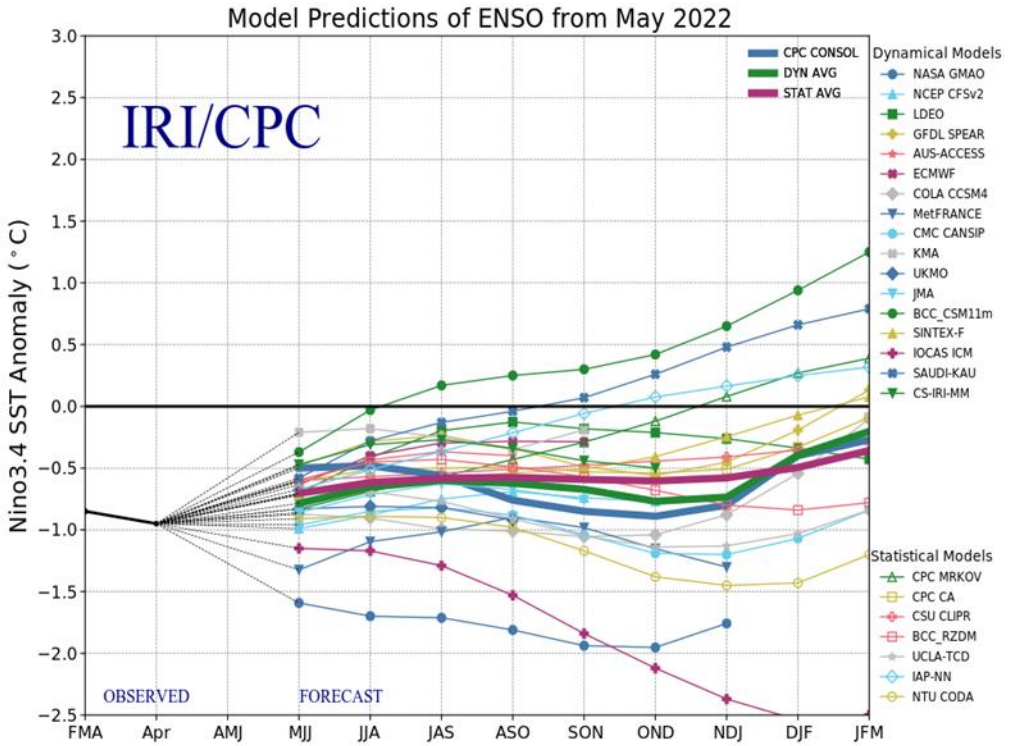
Though La Niña is favored to continue, the odds for La Niña decrease into the late Northern Hemisphere summer (58% chance in August-October 2022) before slightly increasing through the Northern Hemisphere fall and early winter 2022 (61% chance).*

CPC/IRI Probabilistic Forecast



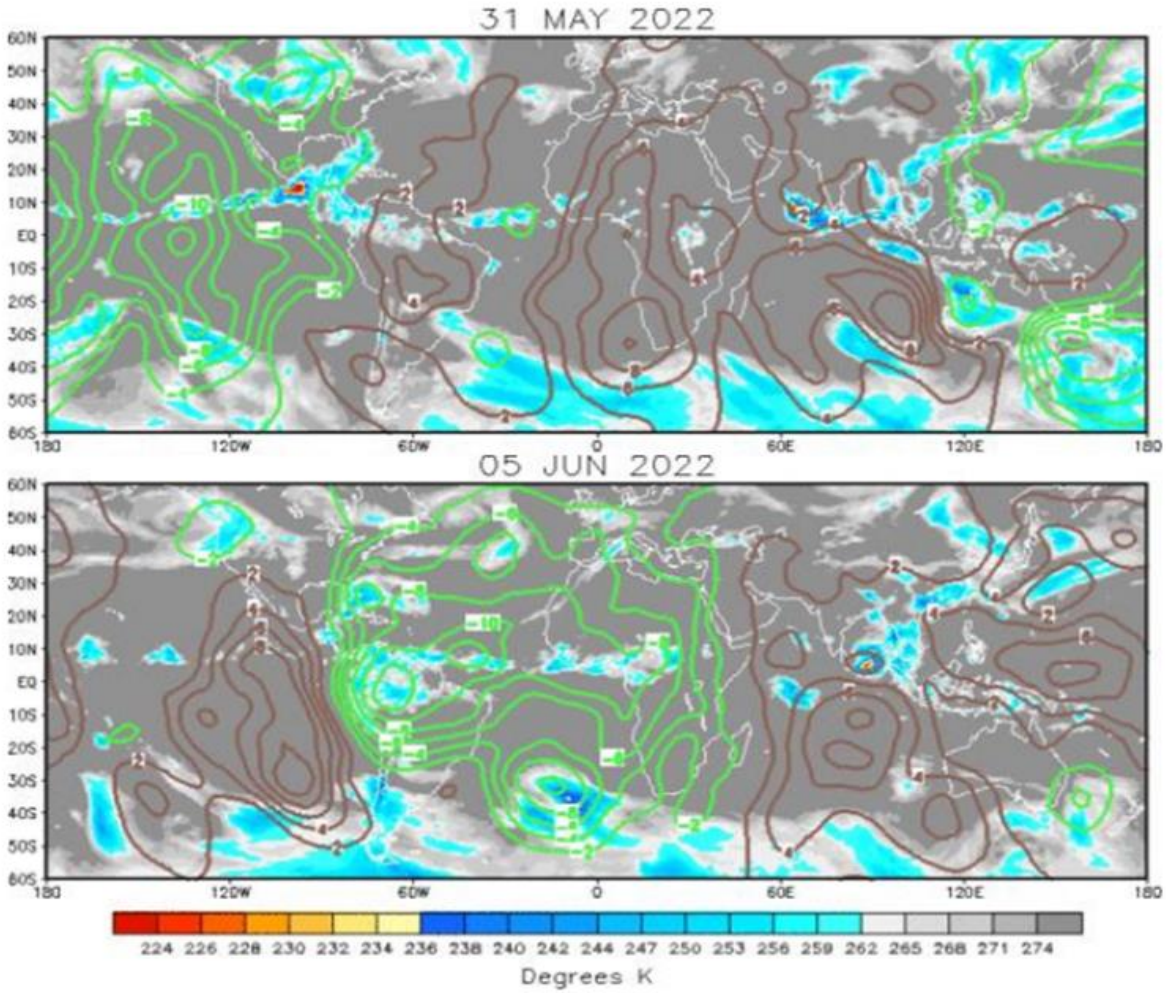
Source: CPC

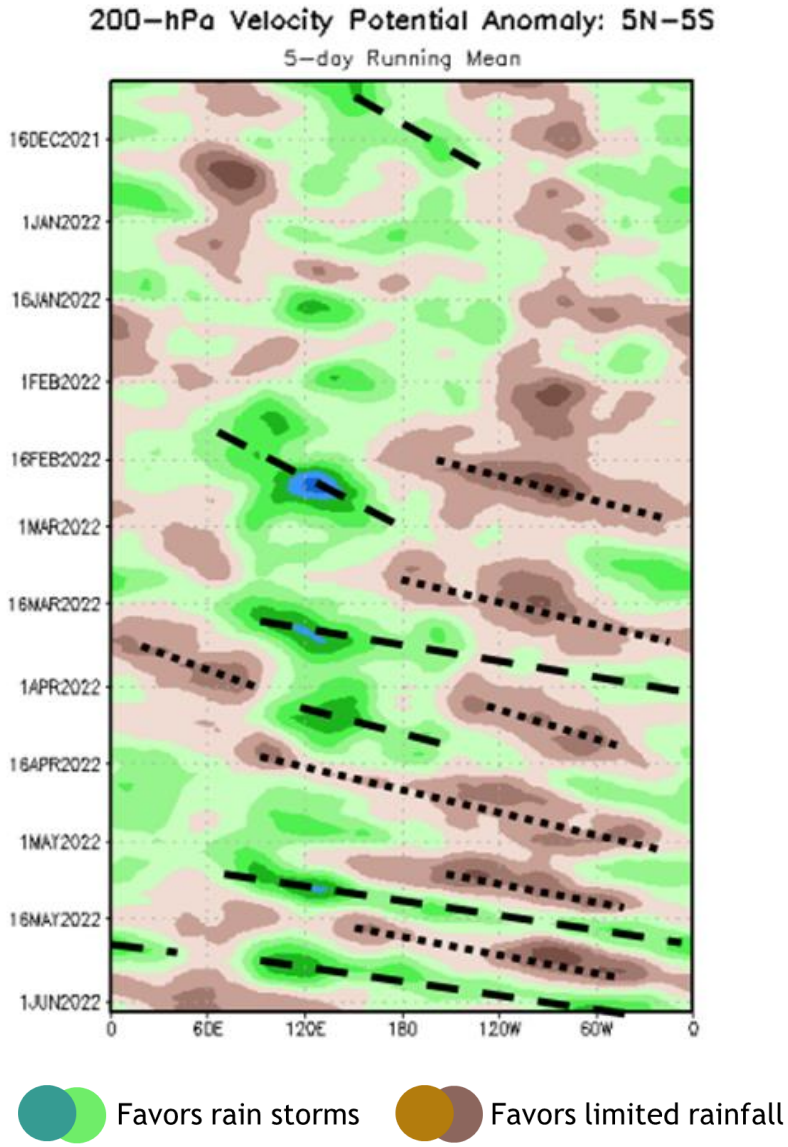
IRI/CPC Dynamic Models



Madden-Julian Oscillation (MJO)

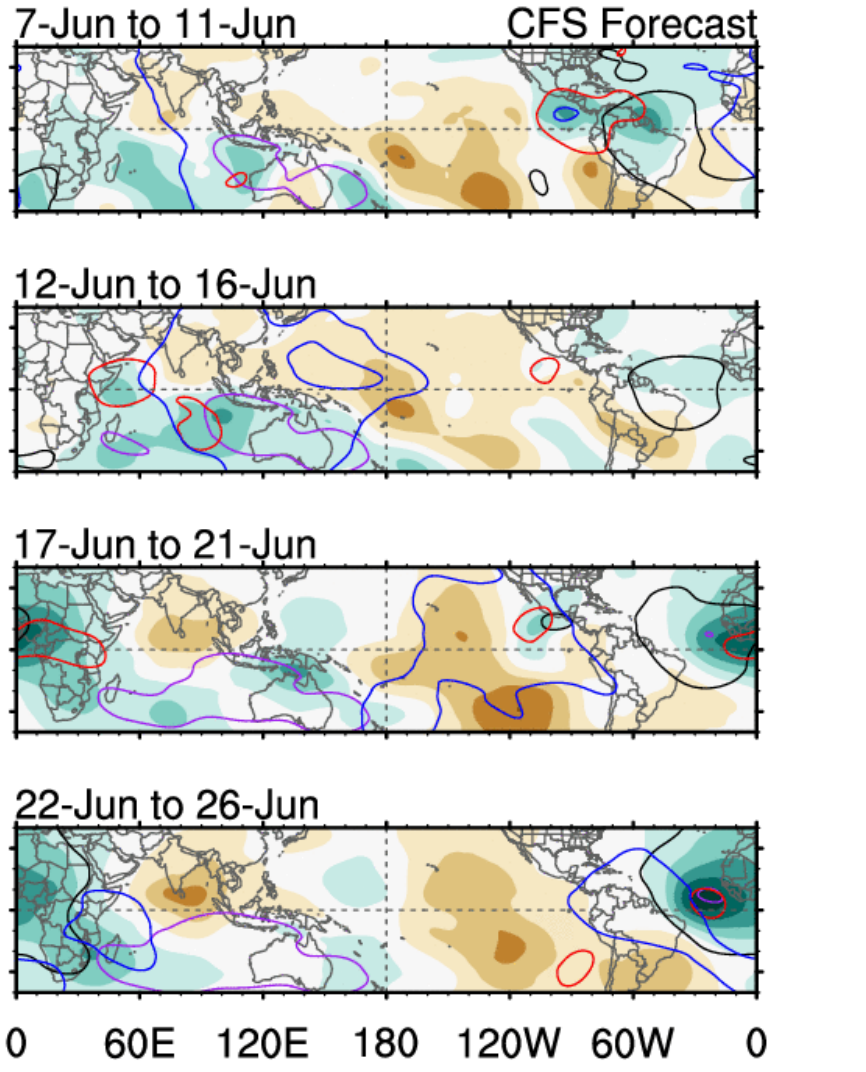
- Wave #1 Mode, fast propagation.
- Currently: Atlantic, entering Africa





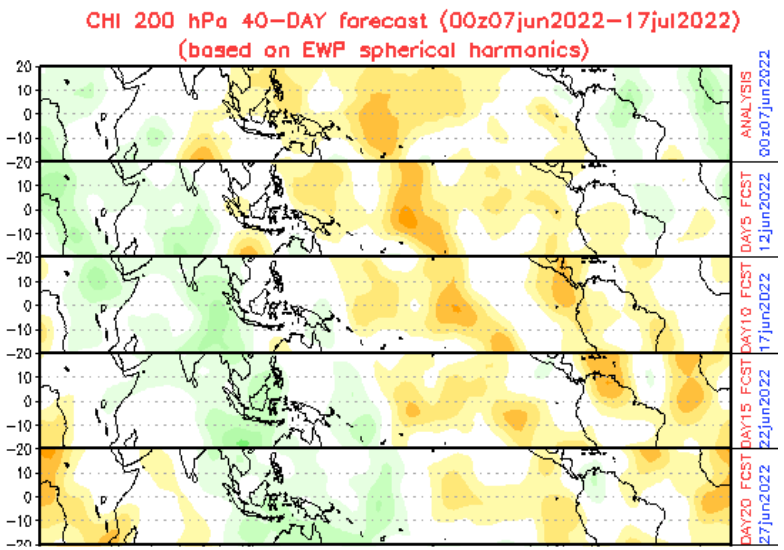
Tropospheric Equatorial Waves

- Wet MJO: Atlantic, moving into Africa
- Weak Kelvin: Central America
- Stronger Kelvin: June 21-25
- Upper convergent (dry): Arriving in late June/early July

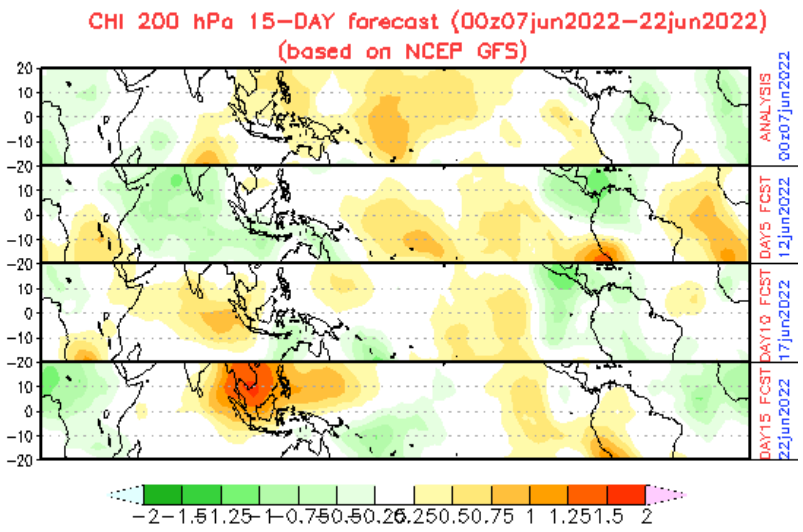


MJO Forecasts for the Americas

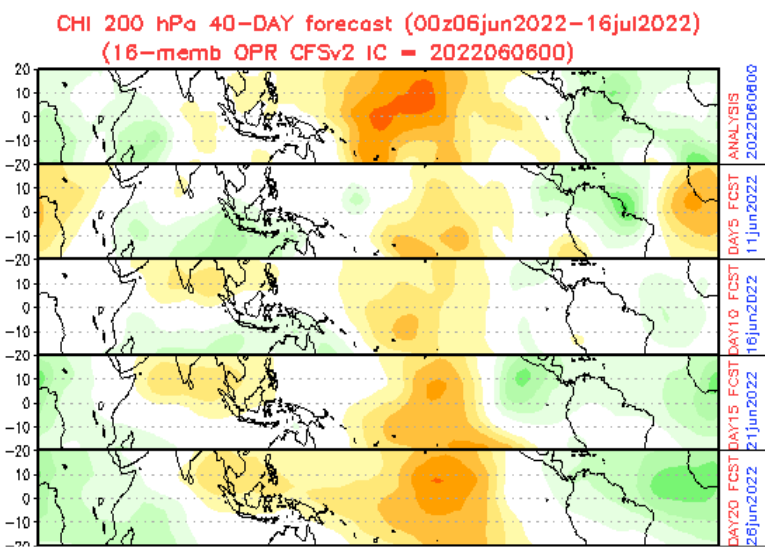
EWP



GFS

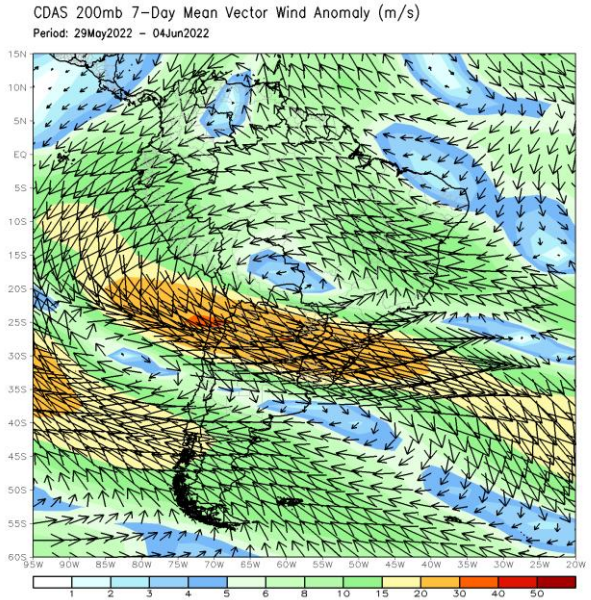


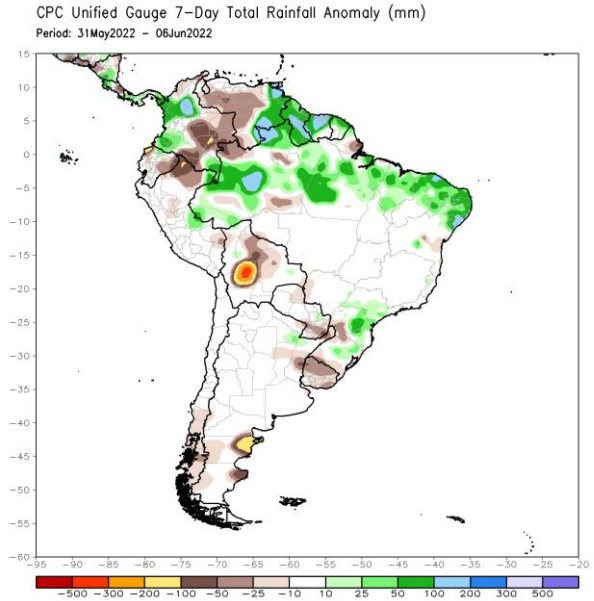
CFS



Flow and Rainfall Anomalies, Last 7 Days

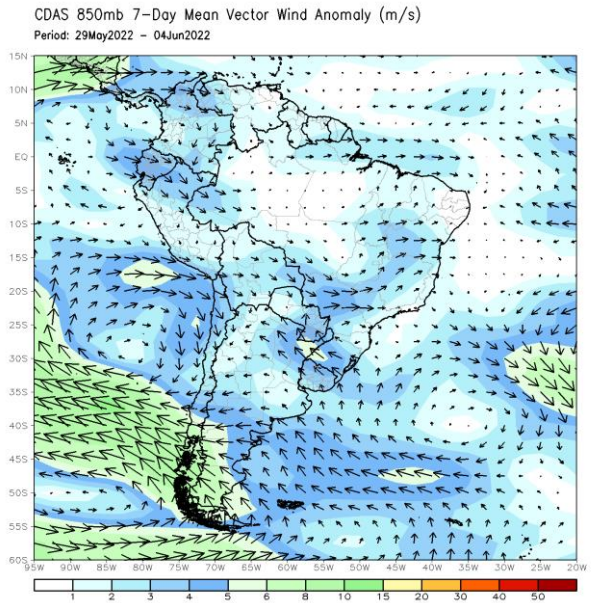
200 hPa Flow Anomalies

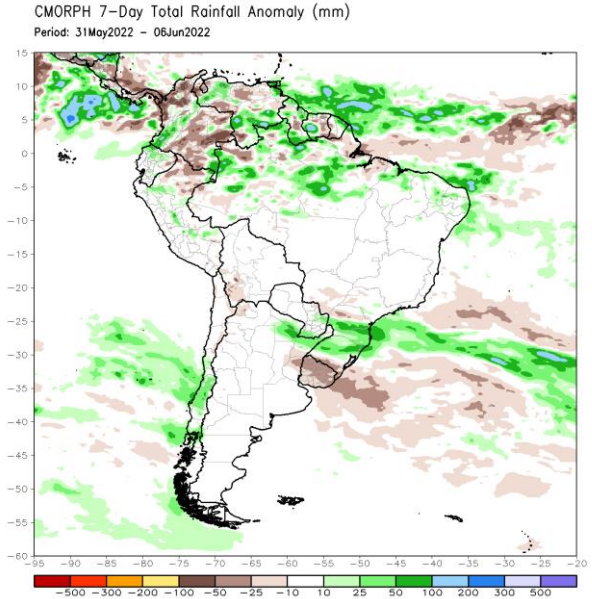




Gauges

850 hPa Flow Anomalies

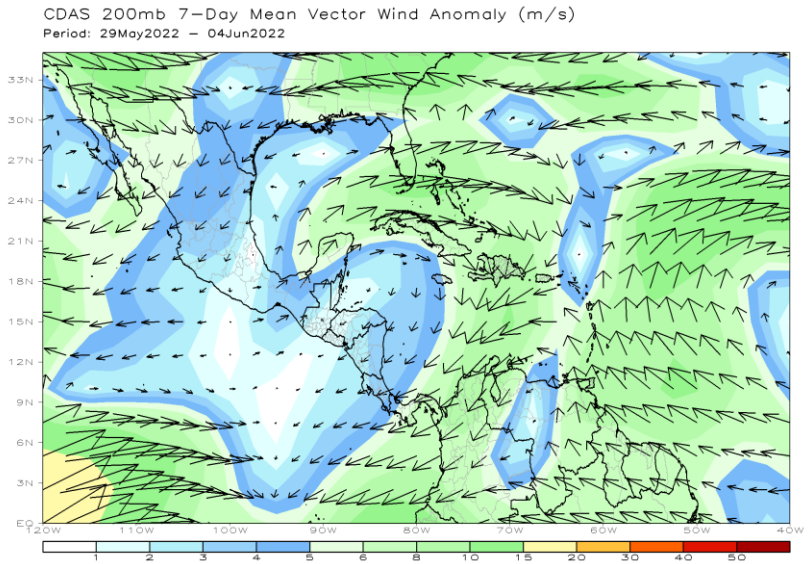




CMORPH

Flow and Rainfall Anomalies, Last 7 Days

200 hPa Flow Anomalies



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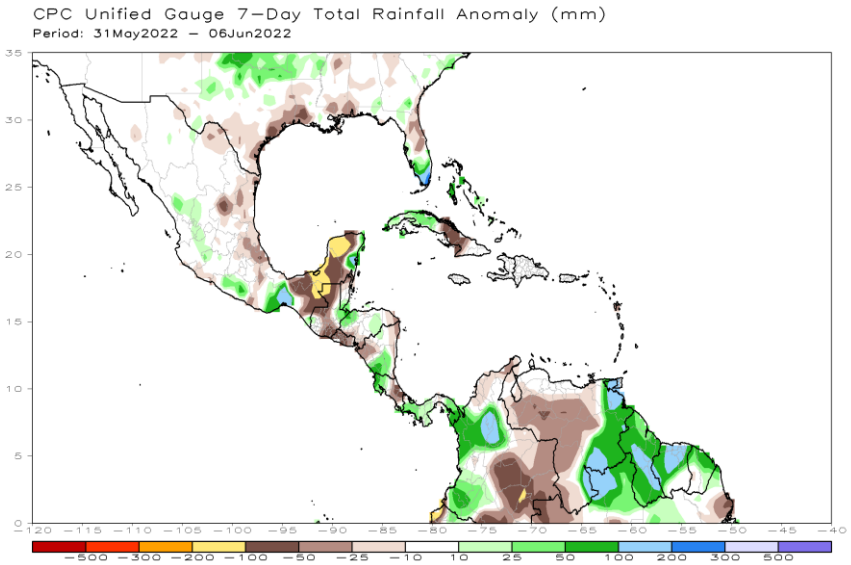

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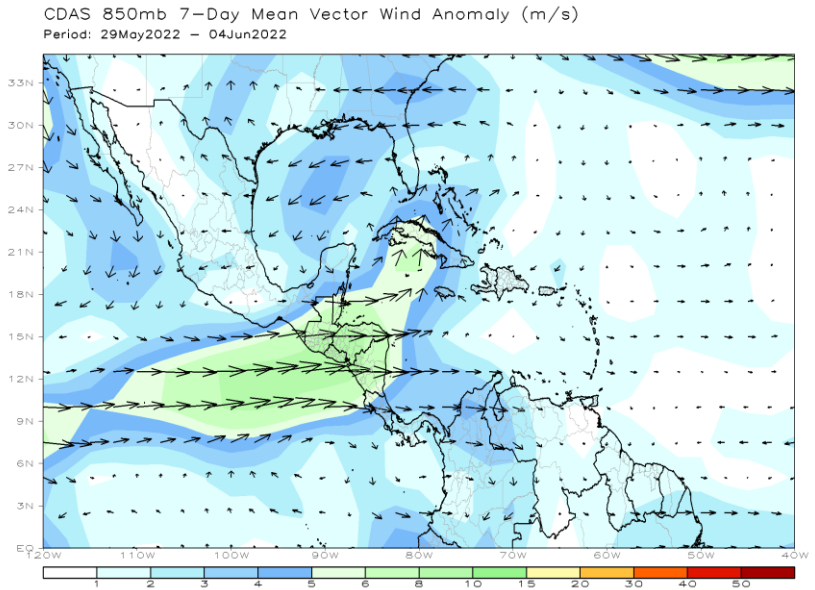

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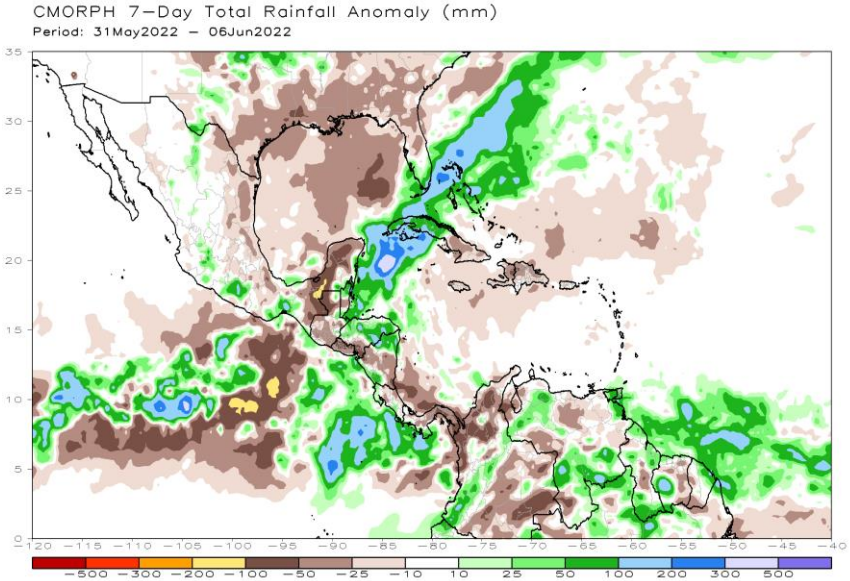
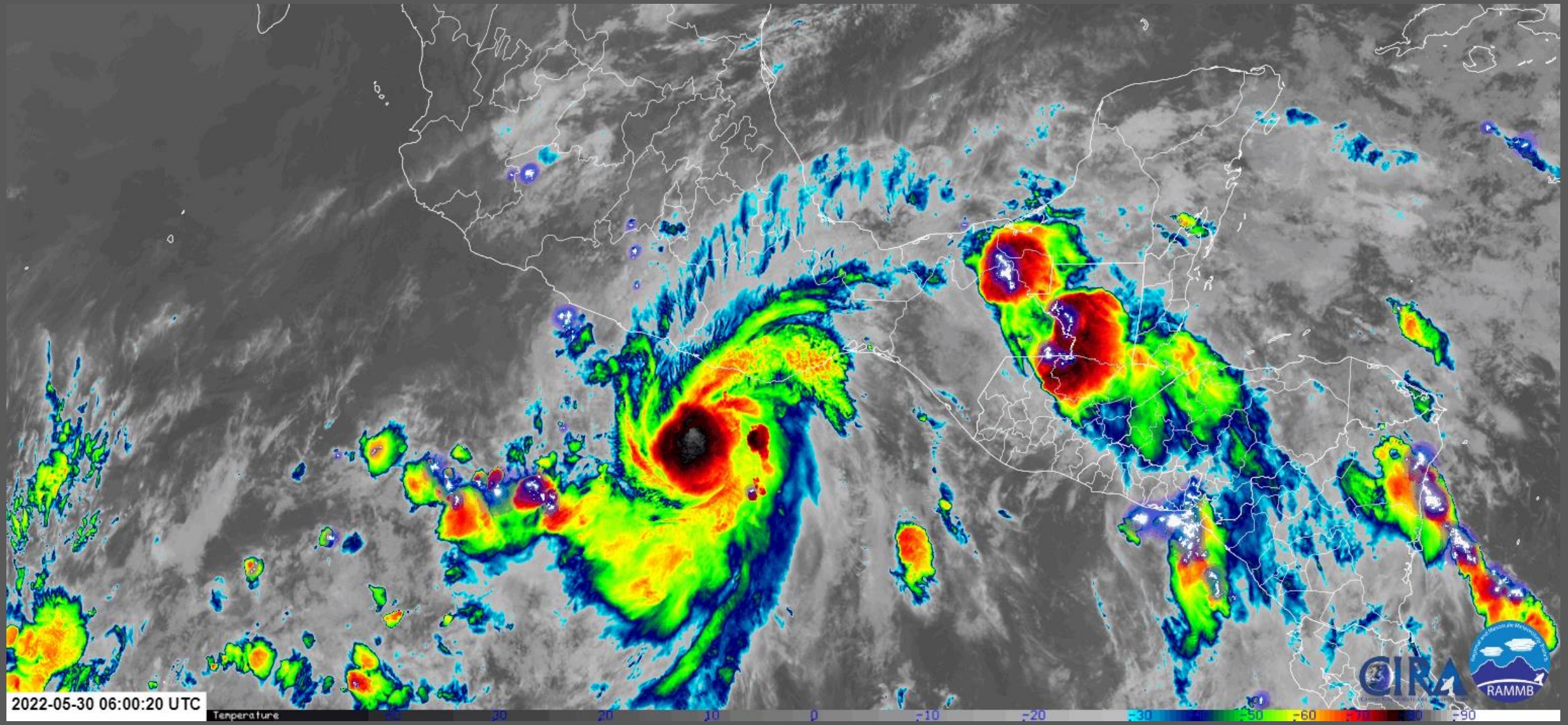
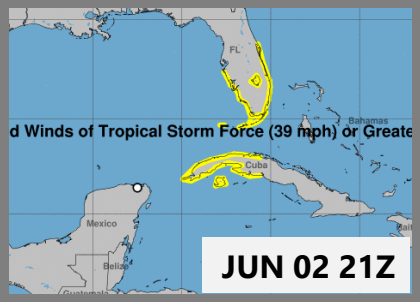
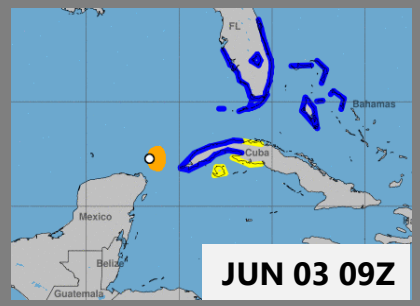


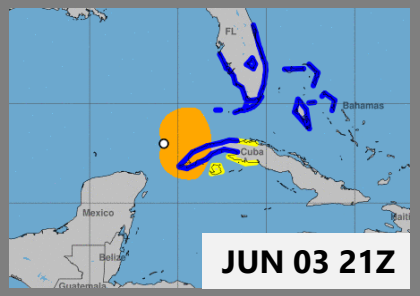
Hurricane Agatha



Tropical Storm Alex





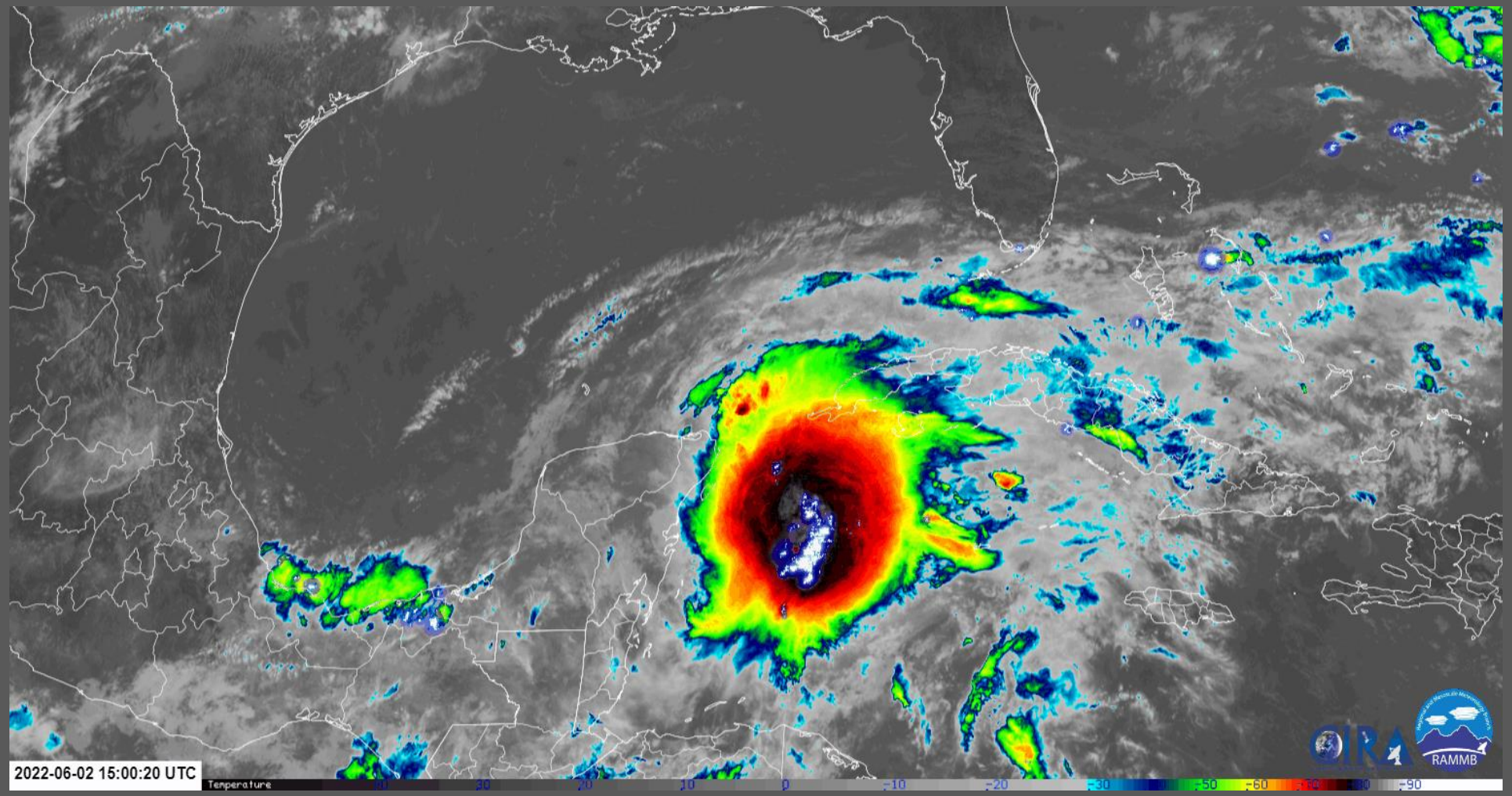


Watches:
- Hurricane Watch
- Tropical Storm Watch

Warnings:
- Hurricane Warning
- Tropical Storm Warning

Sustained Winds:
- Hurricane Force
- Tropical Storm Force

Position:
- Center as of 400 PM CDT
- Past Track



¡Gracias! Thank you!

Next session: To be defined, late July

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