

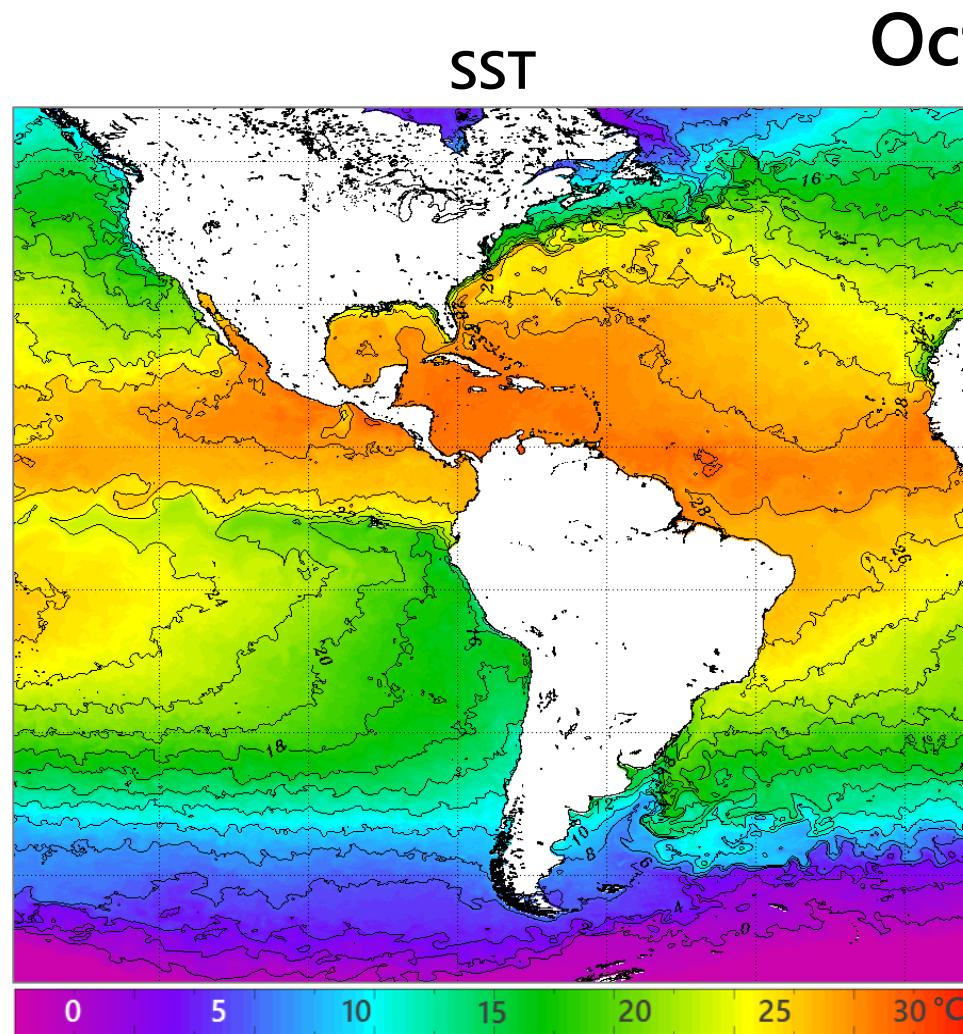


Monthly Regional Focus Group Session

Wednesday 26 October 2022 at 15 UTC

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

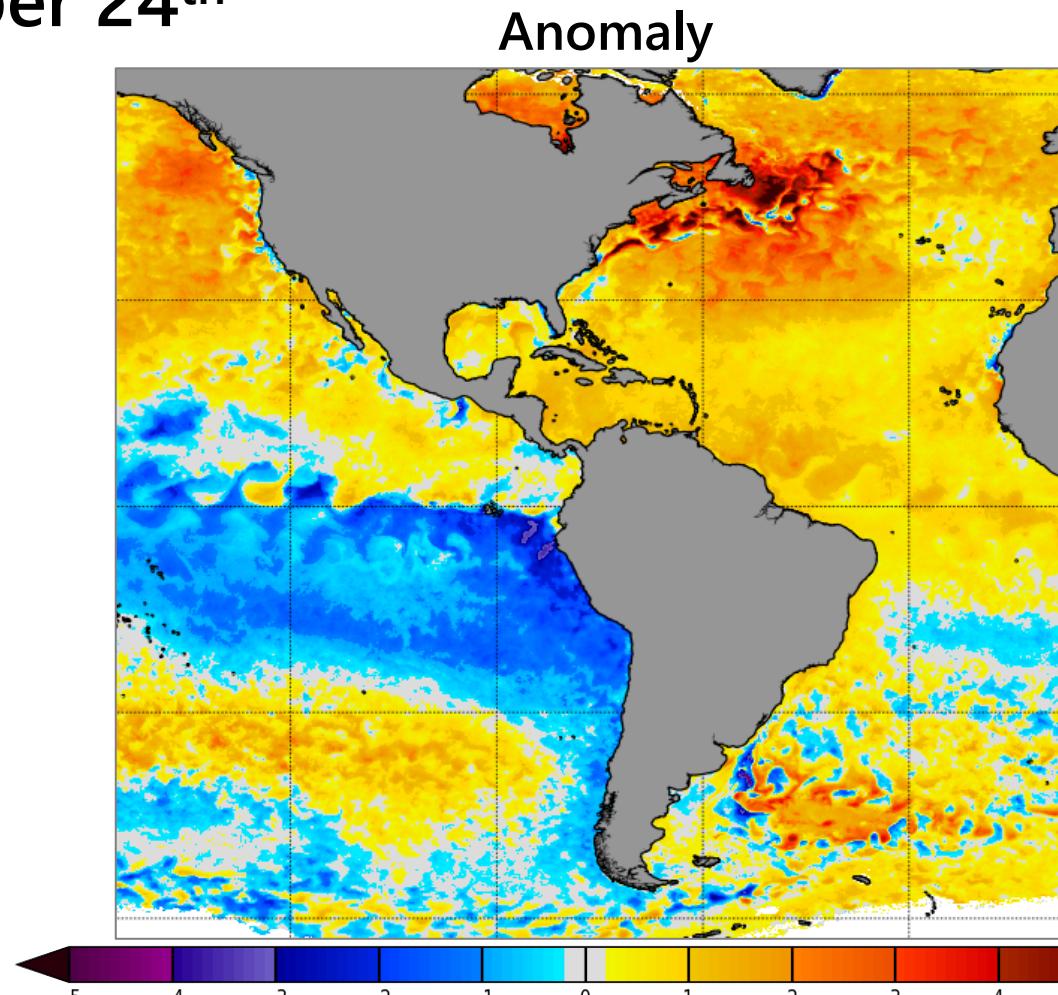
Sea Surface Temperatures (SST)



NOAA OSPO

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

October 24th



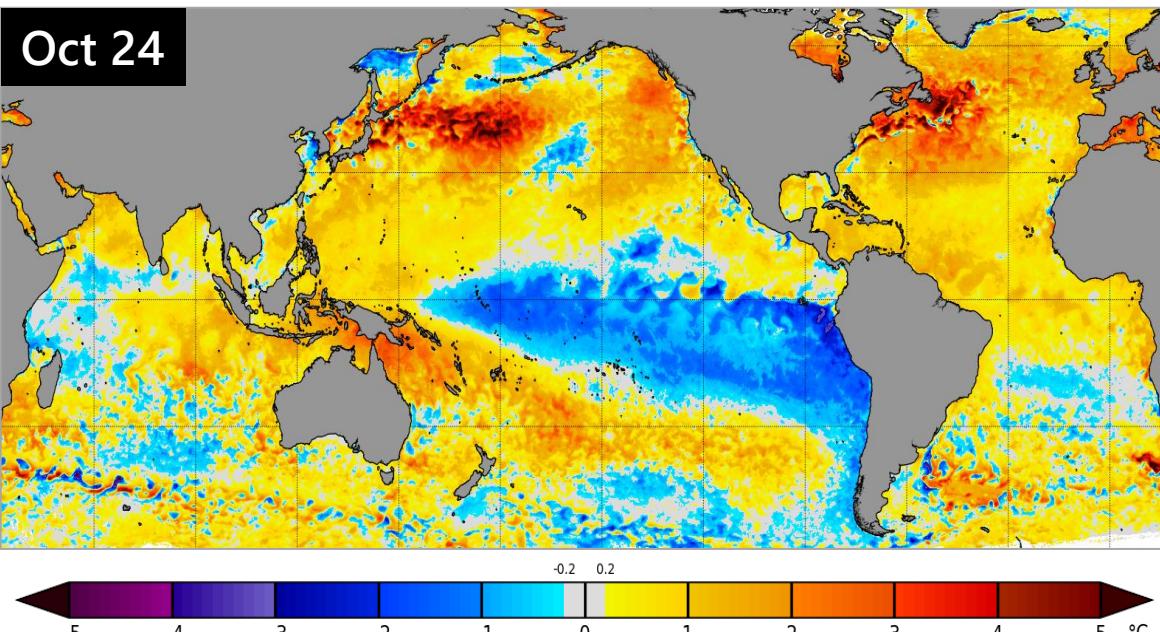
NOAA Coral Reef Watch

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

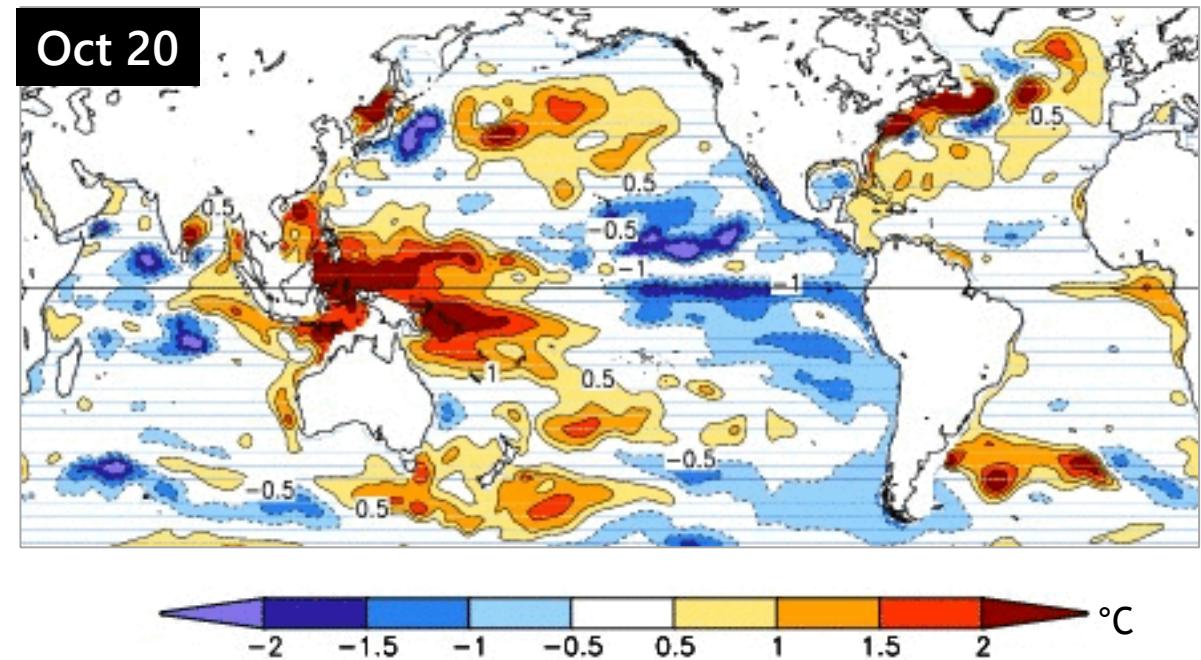
Sea Temperature Anomalies in top layer

DEEP ANOMALIES LAST LONGER, THUS USEFUL FOR SUBSEASONAL FORECASTING

Surface Anomaly



Top 300m-Layer Anomaly (GODAS)

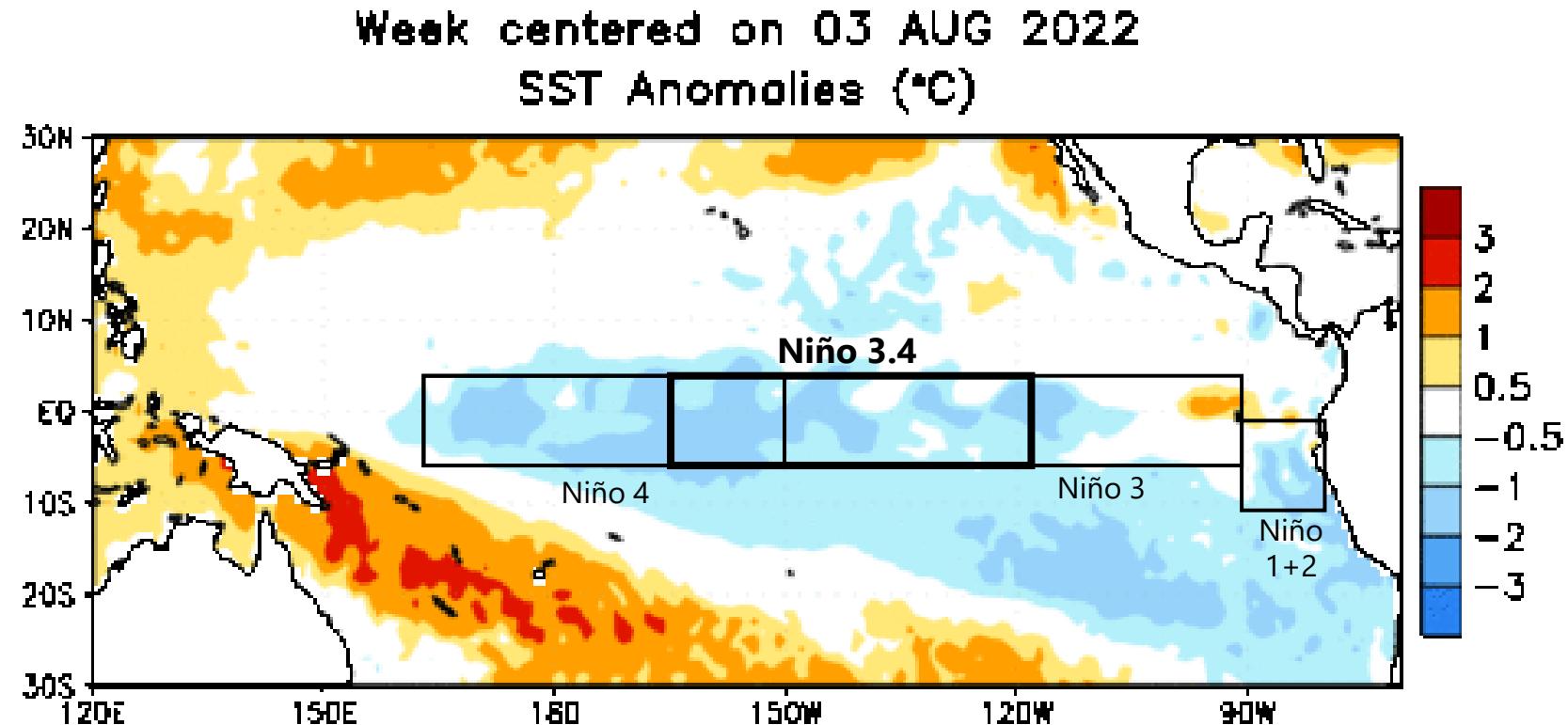


ENSO:

La Niña

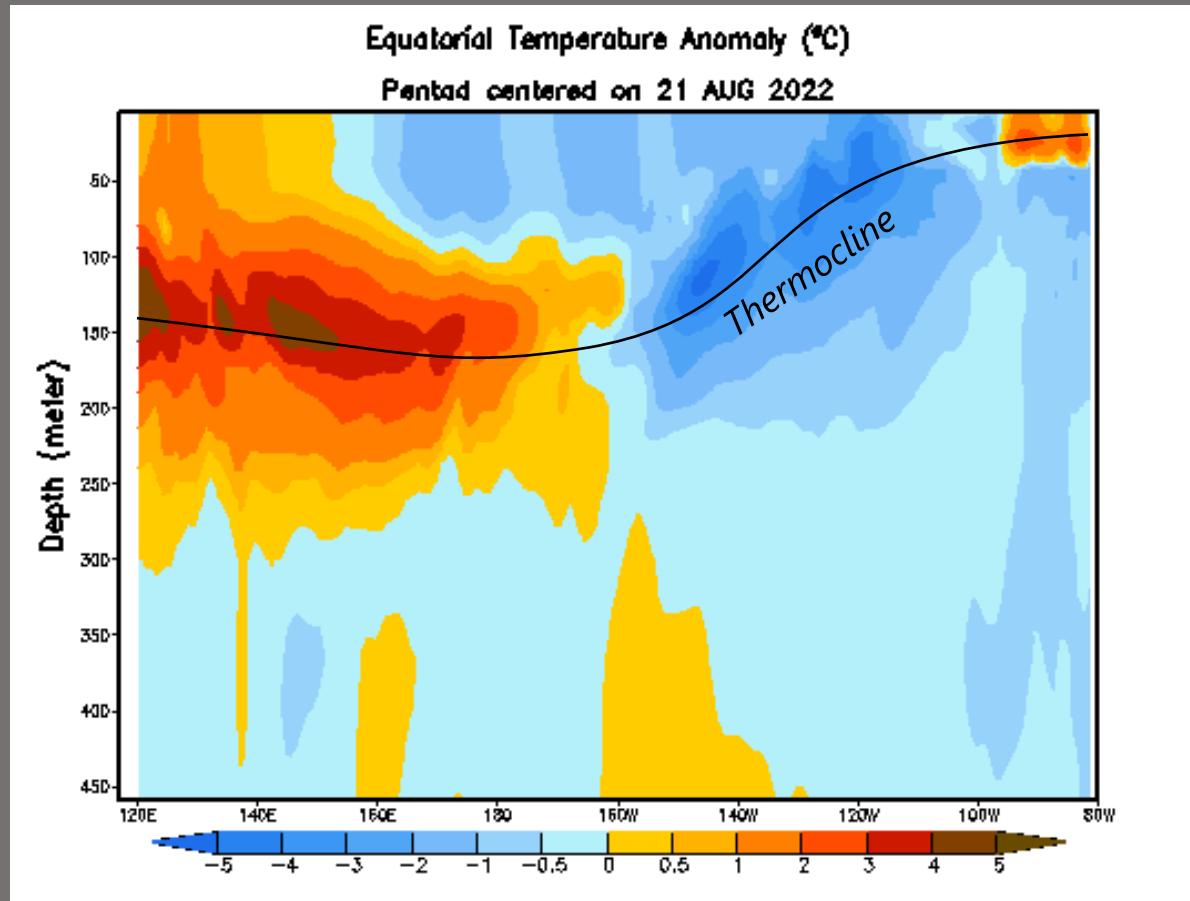
(no changes since April)

- ⌚ La Niña is present.*
- ⌚ Equatorial SSTs are below average across most of the Pacific Ocean.
- ⌚ The tropical Pacific atmosphere is consistent with La Niña.



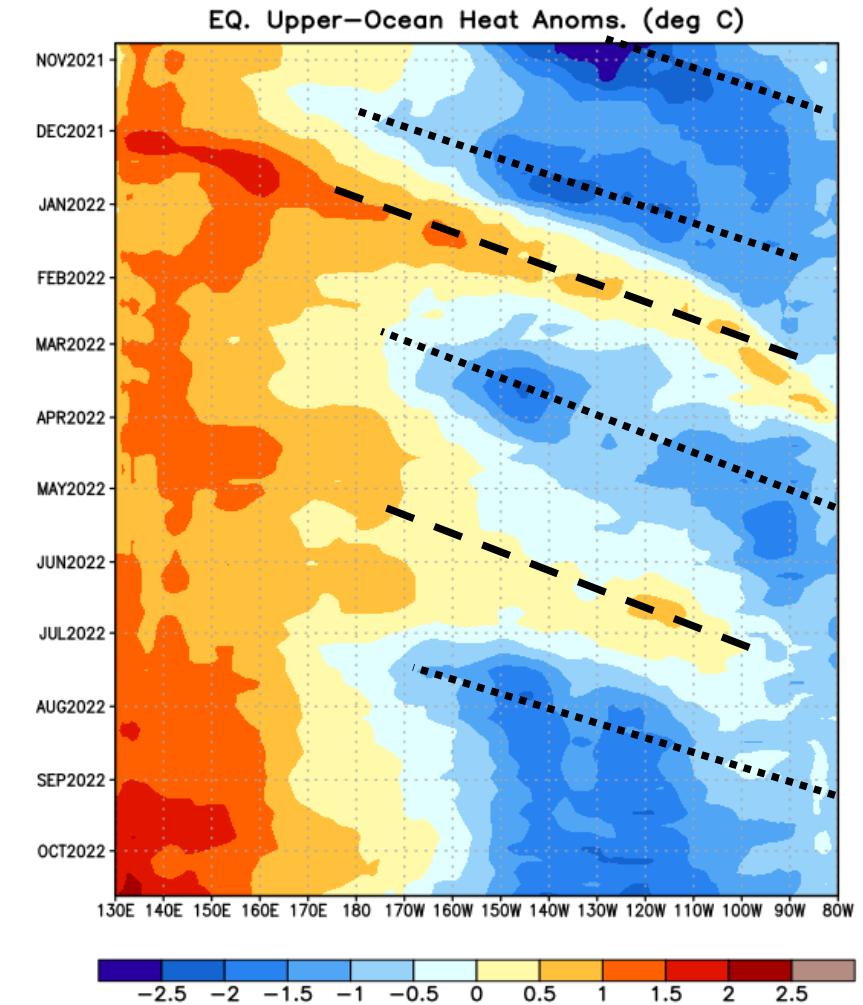
ENSO: Oceanic Kelvin Waves

Equatorial Pacific Temperature Anomaly Cross Section



Source: CPC

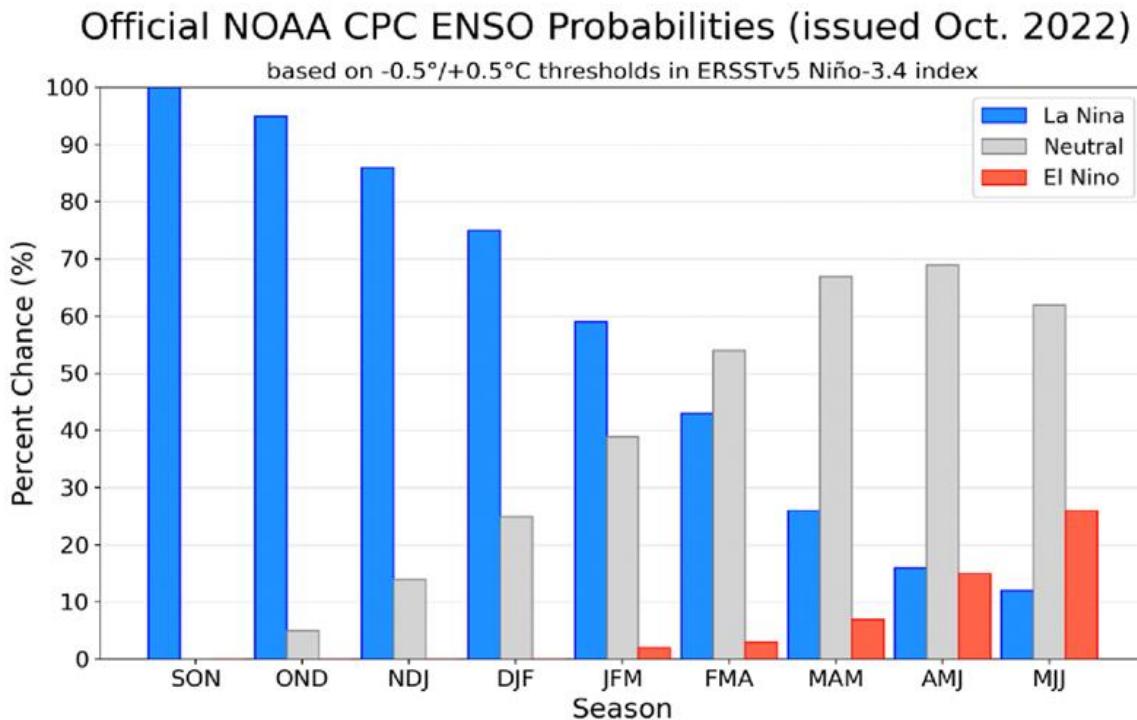
Heat Content Anomaly Hovmöller



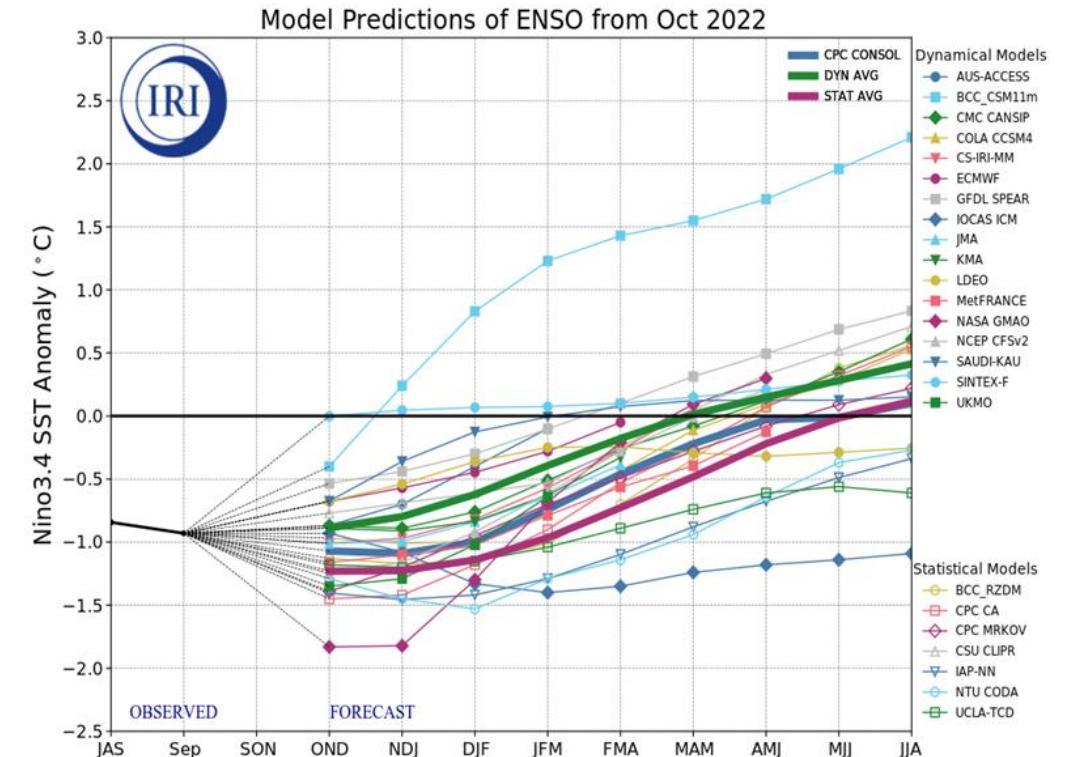
ENSO Outlook

There is a 75% chance of La Niña during the Northern Hemisphere winter (December-February) 2022-23, with a 54% chance for ENSO-neutral in February-April 2023.*

CPC Probabilistic Forecast

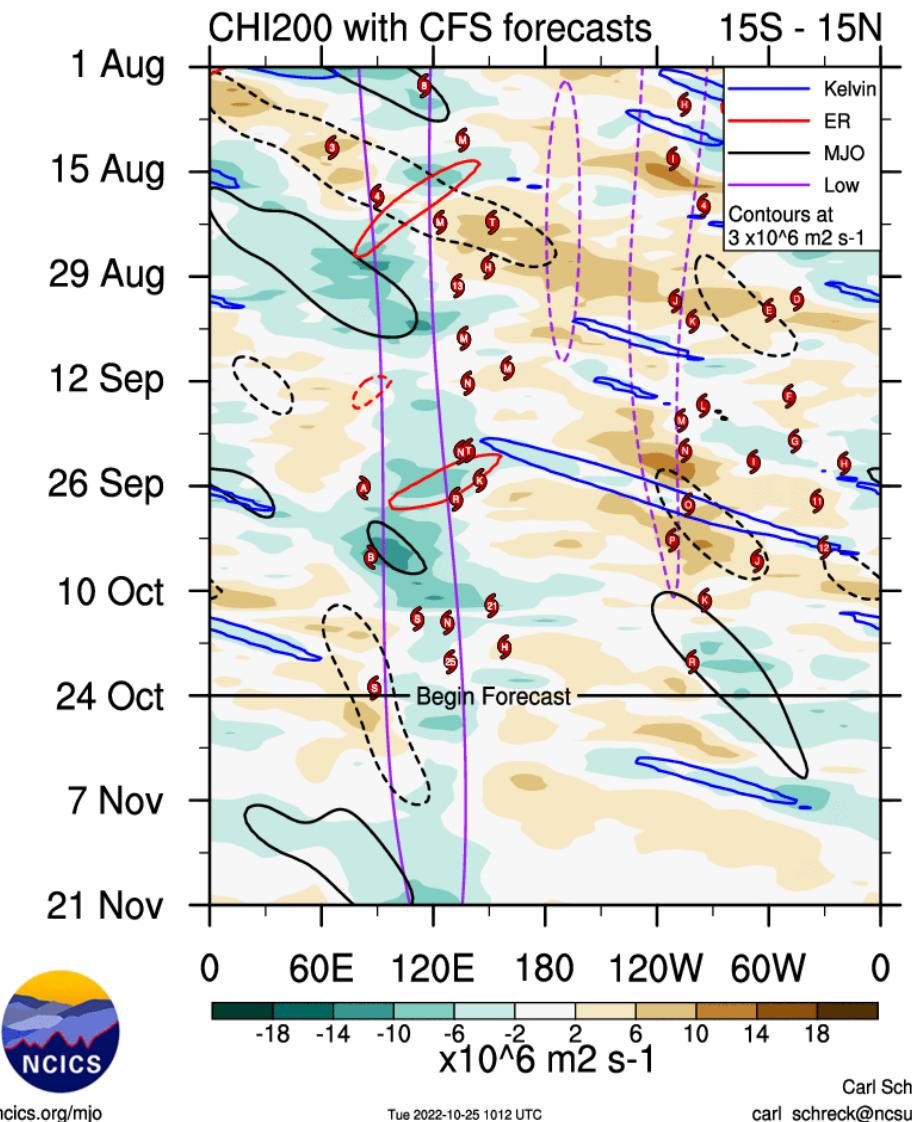
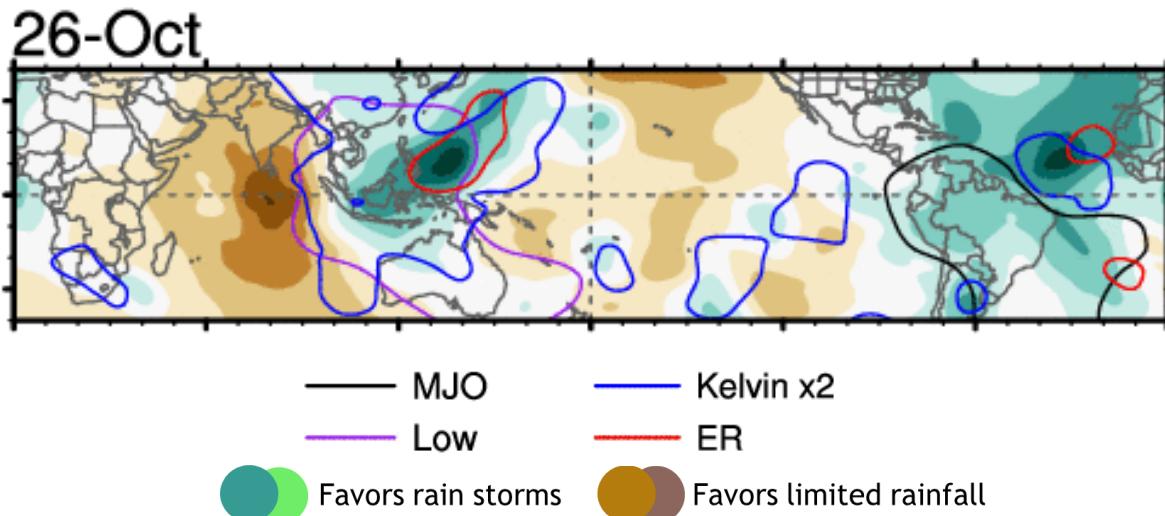


IRI/CPC Dynamic Models

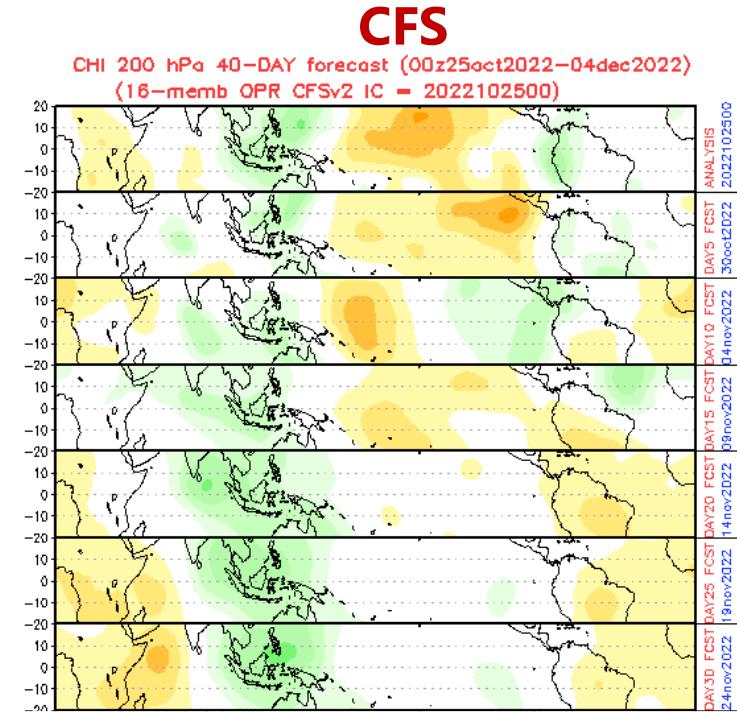
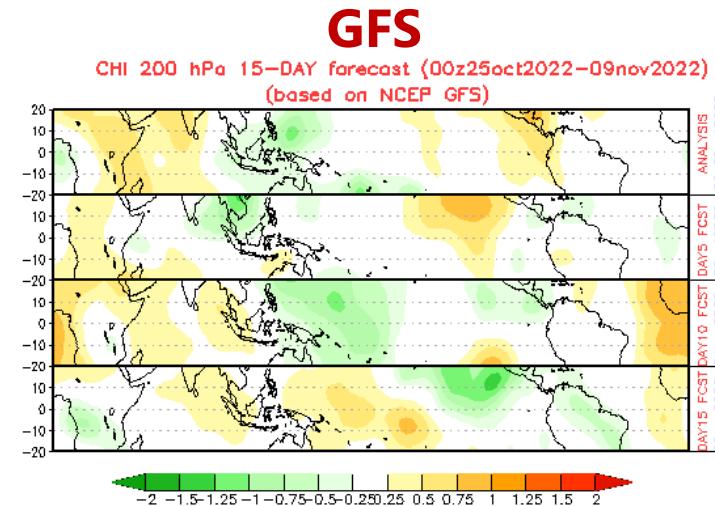
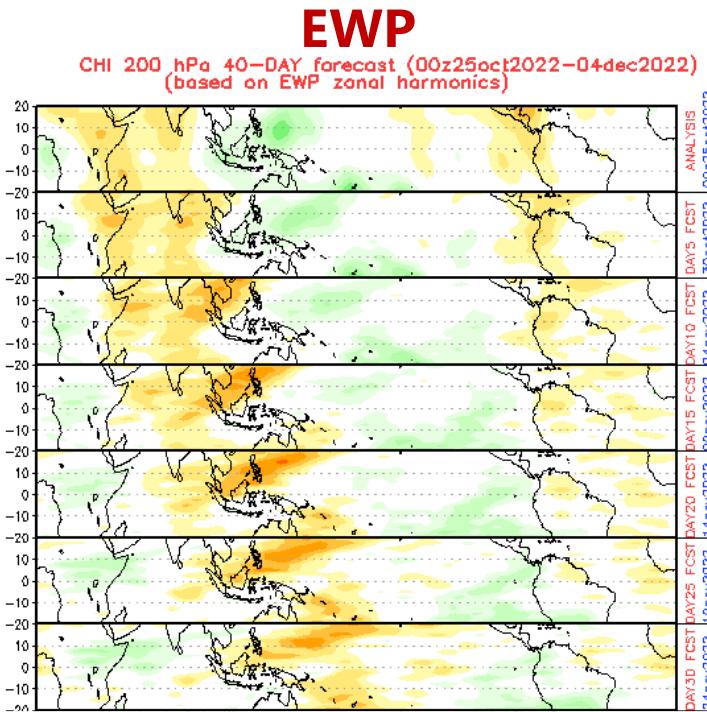


Madden-Julian Oscillation (MJO)

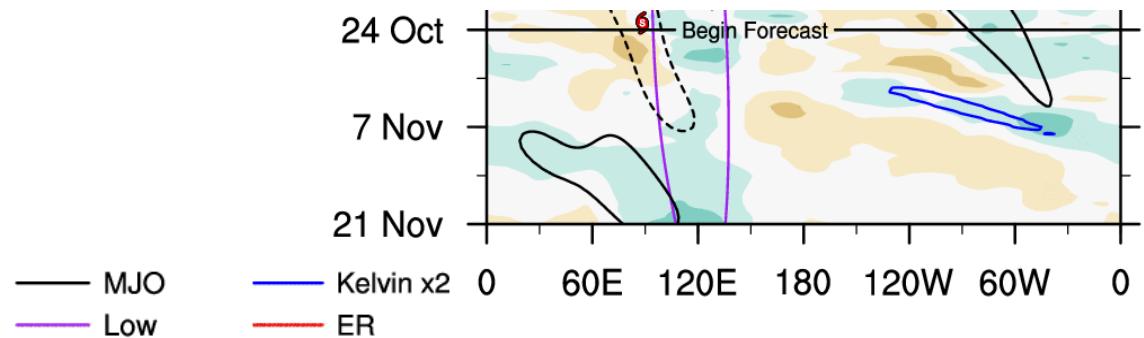
- The MJO is disorganized. There seems to be a wave-2 pattern (wet in the Maritime Continent and Atlantic).
- Weak divergent pulse is crossing the Americas/Atlantic.
- This is highlighting convection and rainfall in South America and the central and eastern Caribbean.



MJO Forecasts for the Americas

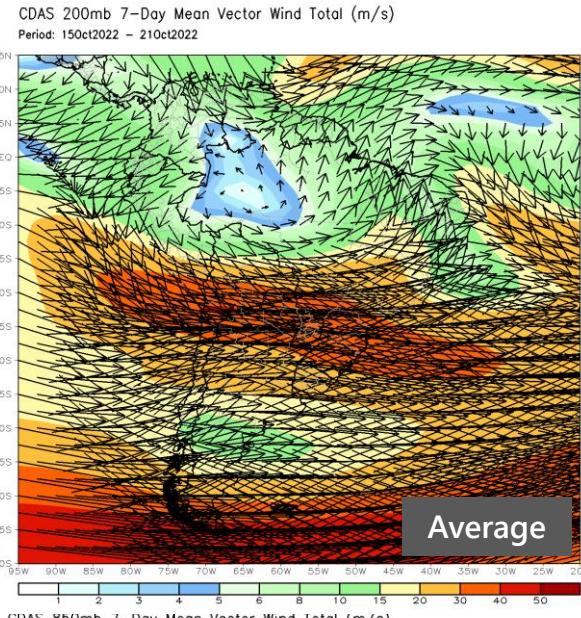


- Low confidence. Neutral to wetter through November 10. Drier after.
- Kelvin wave enhancement Nov 4-8.

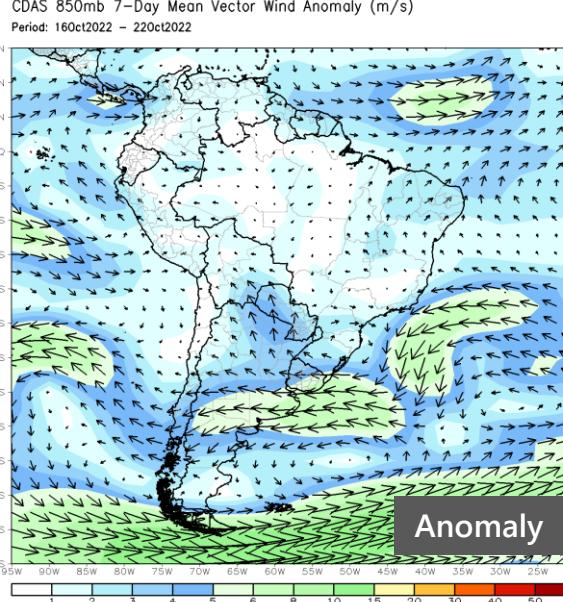
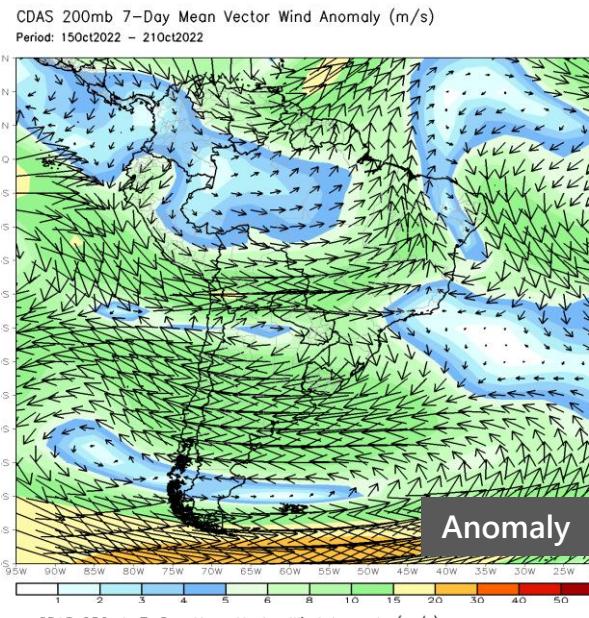
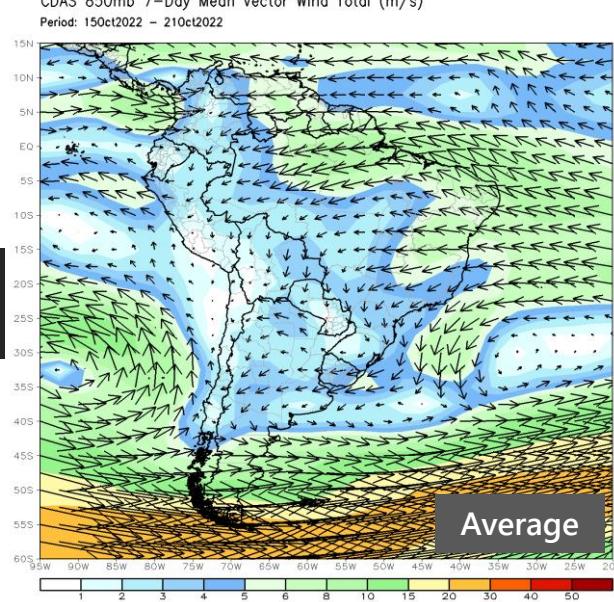


South America, Last 7 Days

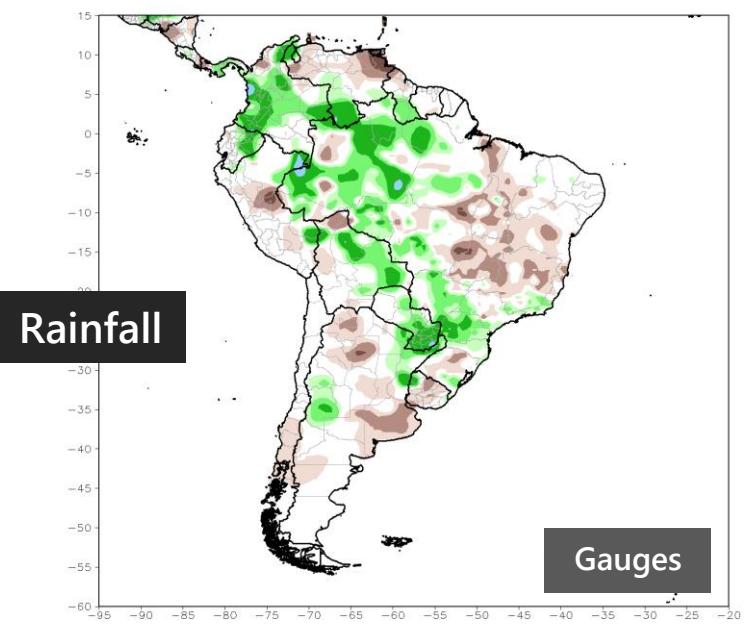
200 hPa
Flow



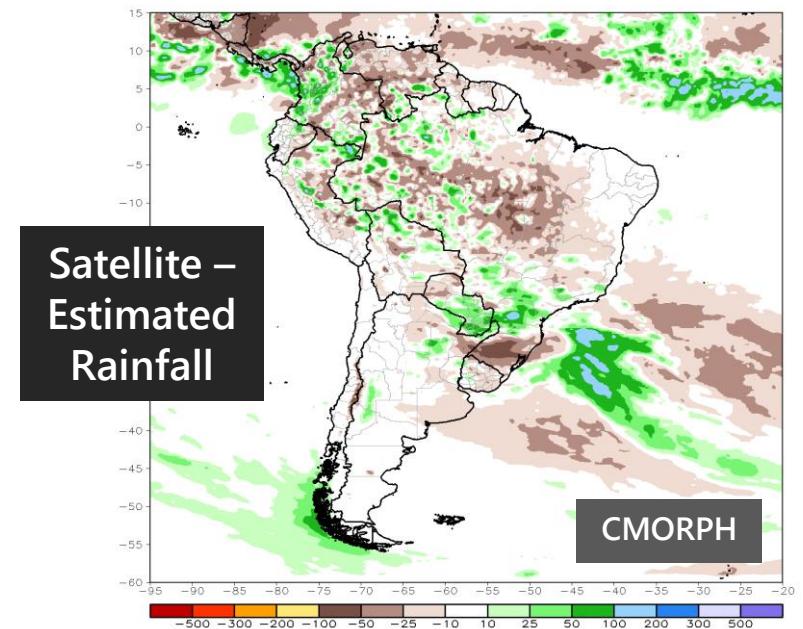
850 hPa
Flow



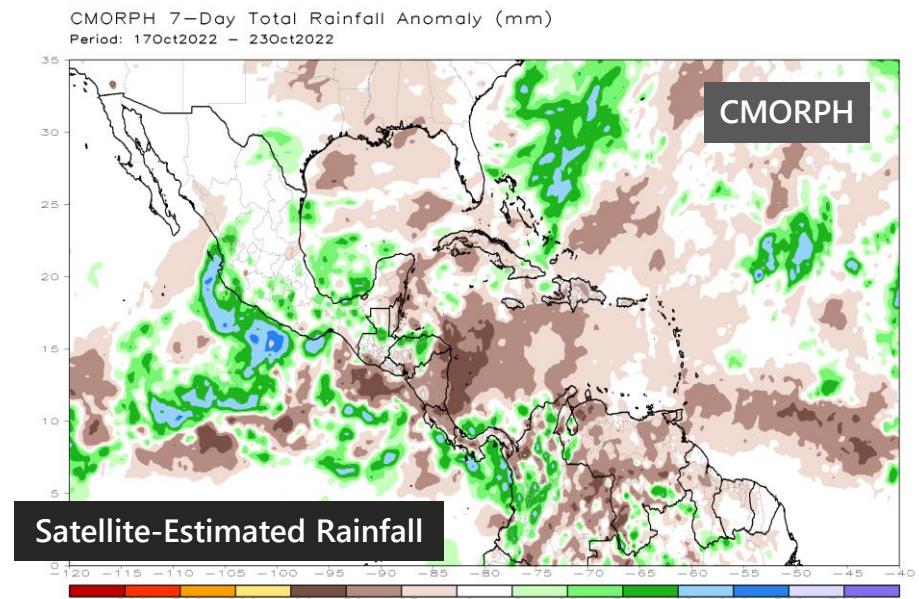
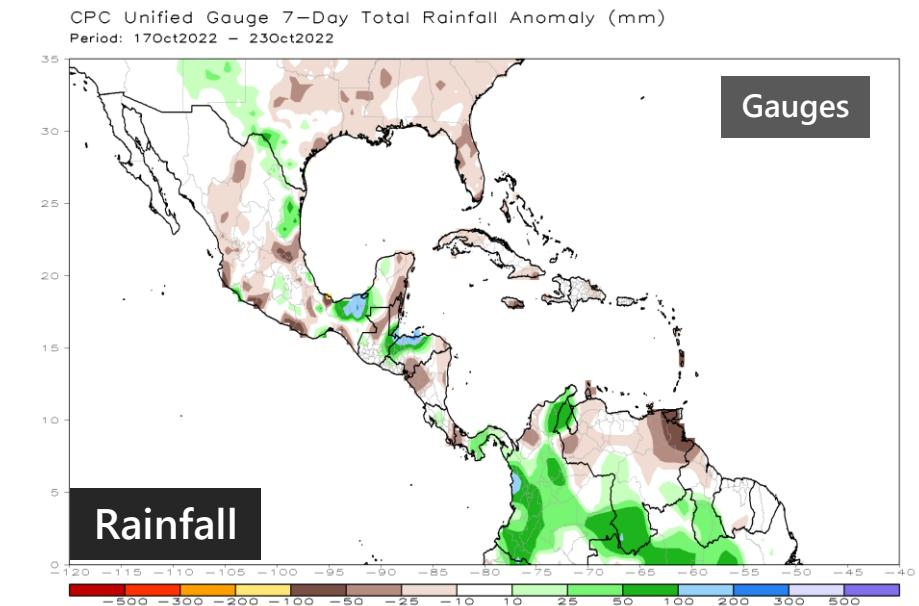
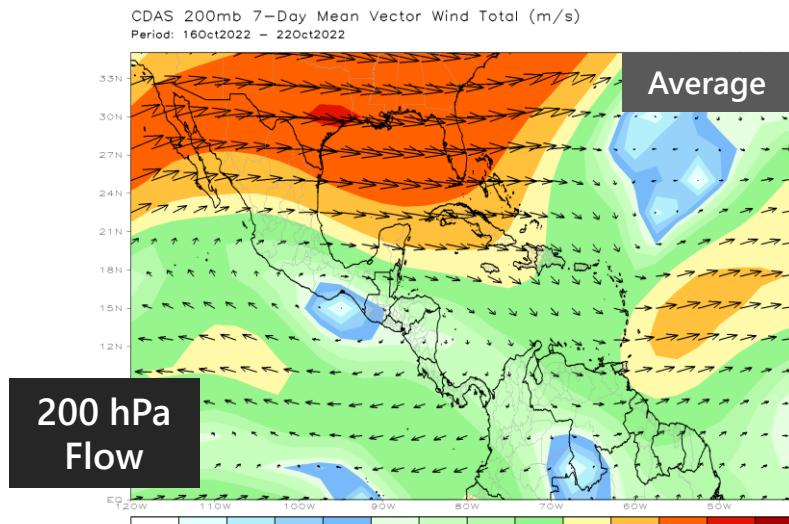
CPC Unified Gauge 7-Day Total Rainfall Anomaly (mm)
Period: 17oct2022 – 23oct2022



CMORPH 7-Day Total Rainfall Anomaly (mm)
Period: 17oct2022 – 23oct2022



Caribbean, Central America and Mexico, Last 7 Days



¡Gracias! Thank you! ¡Obrigado!

Next session: 16 November 2022 at 16 UTC

Recorded sessions and more information available at:
<https://rammb2.cira.colostate.edu/training/rmtc/focusgroup/>