Monthly Regional Focus Group Session

Wednesday 14 September 2022 at 15 UTC

https://rammb2.cira.colostate.edu/training/rmtc/focusgroup/
Sea Surface Temperatures (SST)

September 12th

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

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)

NOAA Coral Reef Watch
https://coralreefwatch.noaa.gov/product/5km/index_5km_ssta.php

NOAA CPC
**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.

<table>
<thead>
<tr>
<th>Year</th>
<th>DJF</th>
<th>JFM</th>
<th>FMA</th>
<th>MAR</th>
<th>APR</th>
<th>MAY</th>
<th>JUN</th>
<th>JUL</th>
<th>AUG</th>
<th>SEP</th>
<th>OCT</th>
<th>NOV</th>
<th>DEC</th>
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**Equatorial Pacific Temperature Anomaly Cross Section**

Cold Kelvin to arrive in South America in mid-September
La Niña is favored to continue through Northern Hemisphere winter 2022-23, with a 91% chance in September-November, decreasing to a 54% chance in January-March 2023.*
Madden-Julian Oscillation (MJO)

- The MJO is extremely disorganized.
- The incoherent pattern is a challenge for forecasting.
- Wet conditions tend to persist in the Maritime Continent.
MJO Forecasts for the Americas

➢ Not coherent, hard to forecast.
➢ A few divergent pulses from Sep 16 through Sep 26
➢ Convergent again in early October?
Tropospheric Equatorial Waves

13-Sep to 17-Sep
CFS Forecast

18-Sep to 22-Sep

23-Sep to 27-Sep

28-Sep to 2-Oct

7-day CHI200 with CFS forecasts

Contours at -2, -6 x10^6 m2 s^-1
Kelvin
ER
MJO
Low

CHI200 with CFS forecasts
5S - 5N

Contours at 3 x10^6 m2 s^-1
Kelvin
ER
MJO
Low

Carl Schreck
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Tue 2023-06-13 10:14 UTC
Flow and Rainfall Anomalies, Last 7 Days

200 hPa Flow Anomalies

850 hPa Flow Anomalies

CMORPH

Gauges
Flow and Rainfall Anomalies, Last 7 Days

200 hPa Flow Anomalies

850 hPa Flow Anomalies

Gauges

CMORPH
¡Gracias!
Thank you!
¡Obrigado!

Next session: To be discussed

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