

Global Tropics Hazards And Benefits Outlook

April 16, 2013

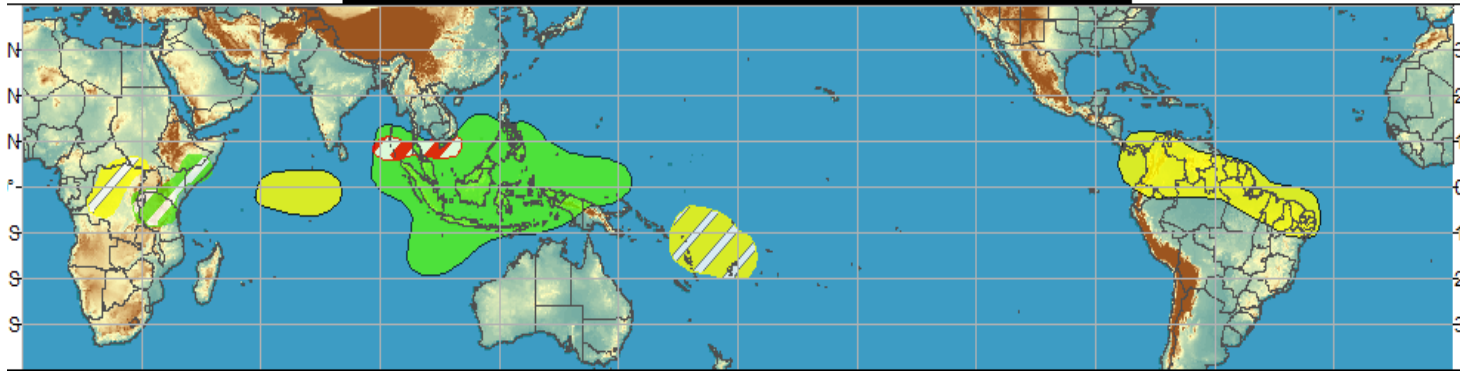
Brad Pugh

Outline

1. Review of Recent Conditions
2. Synopsis of Climate Modes
3. GTH Outlook and Forecast Discussion

Outlook Review

Week 1 - Valid: Apr 10, 2013 - Apr 16, 2013

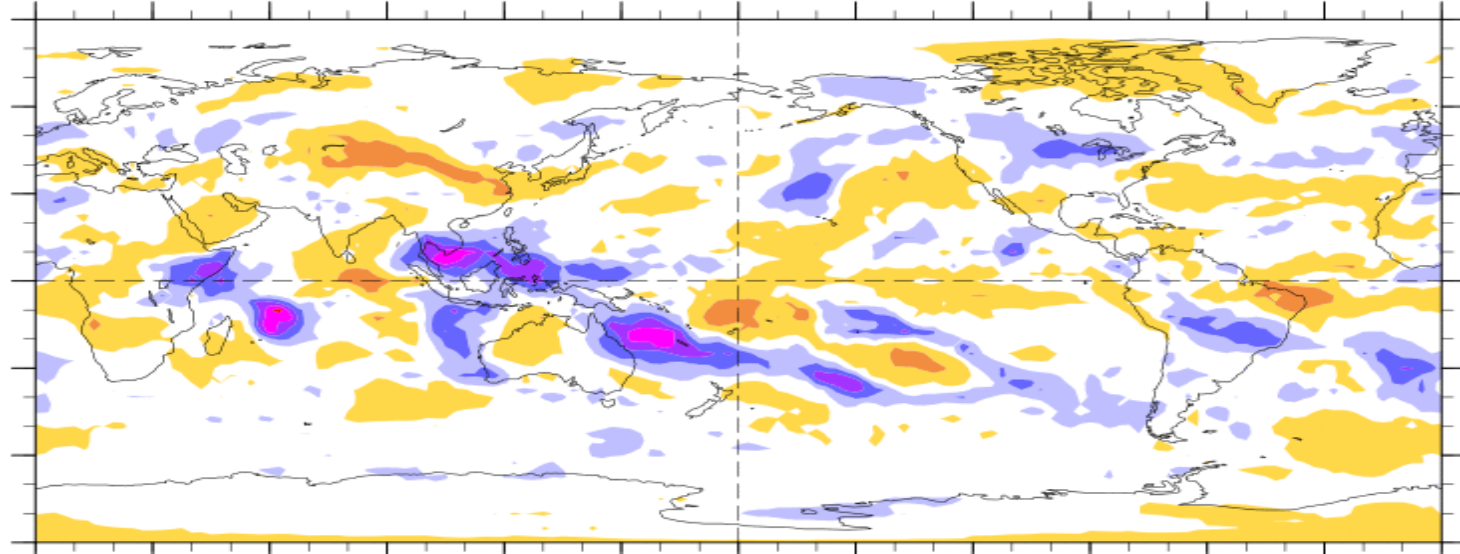


Week 2 - Valid: Apr 10, 2013 - Apr 16, 2013



7-Day Average OLR Anomaly

2013/04/08 - 2013/04/14



Cool shading
More clouds/rain

Warm shading
Less clouds/rain

Synopsis of Climate Modes

ENSO:

- ENSO-neutral conditions are favored to continue through Northern Hemisphere summer 2013

MJO and other subseasonal tropical variability:

- The MJO remained active over the past week, although some observational indicators are less coherent than in previous weeks. The MJO enhanced phase is centered over the eastern Maritime Continent.
- Dynamical model MJO index forecasts generally support a weakening signal during week-1.

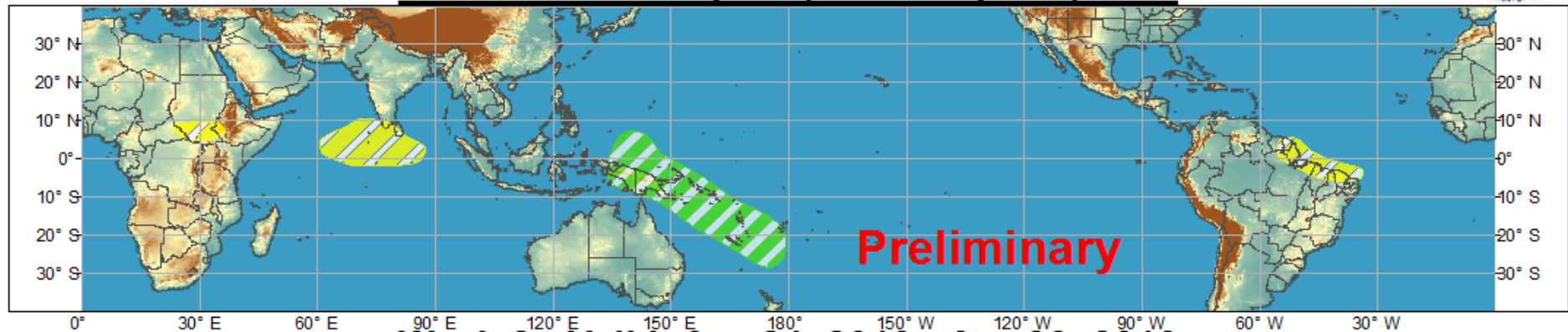
Extratropics:

- Little to no influence from the MJO expected with a weakening signal.
- Transition time of year prior to North American Monsoon & TC Activity.

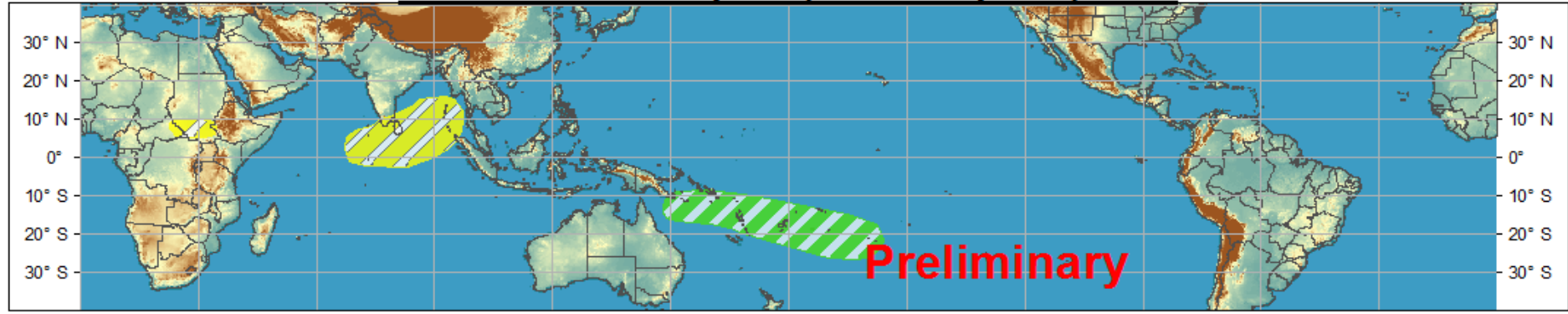


Global Tropics Hazards and Benefits Outlook - Climate Prediction Center

Week 1 - Valid: Apr 17, 2013 - Apr 23, 2013



Week 2 - Valid: Apr 24, 2013 - Apr 30, 2013



Produced: 04/15/2013
Forecaster: Pugh

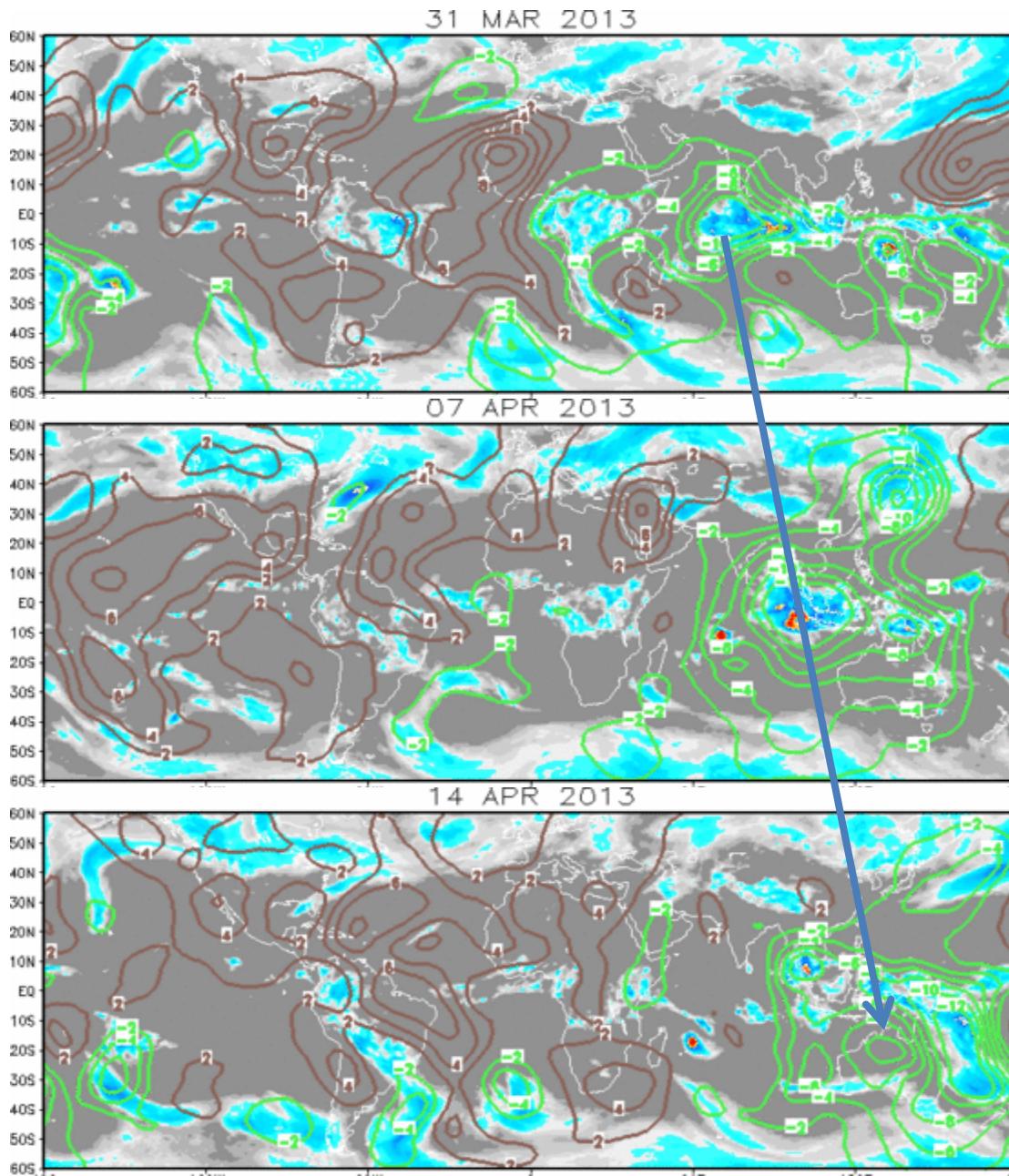
| Confidence | | |
|------------|----------|--|
| High | Moderate | |
| | | Development of a tropical cyclone that eventually reaches tropical storm/cyclone strength. |
| | | Weekly total rainfall in the upper third of the historical range. |
| | | Weekly total rainfall in the lower third of the historical range. |
| | | 7-day mean temperatures in the upper third of the historical range. |
| | | 7-day mean temperatures in the lower third of the historical range. |

Product is updated once per week. The product targets broad scale conditions integrated over a 7-day period for US interests only. Consult your local responsible forecast agency.

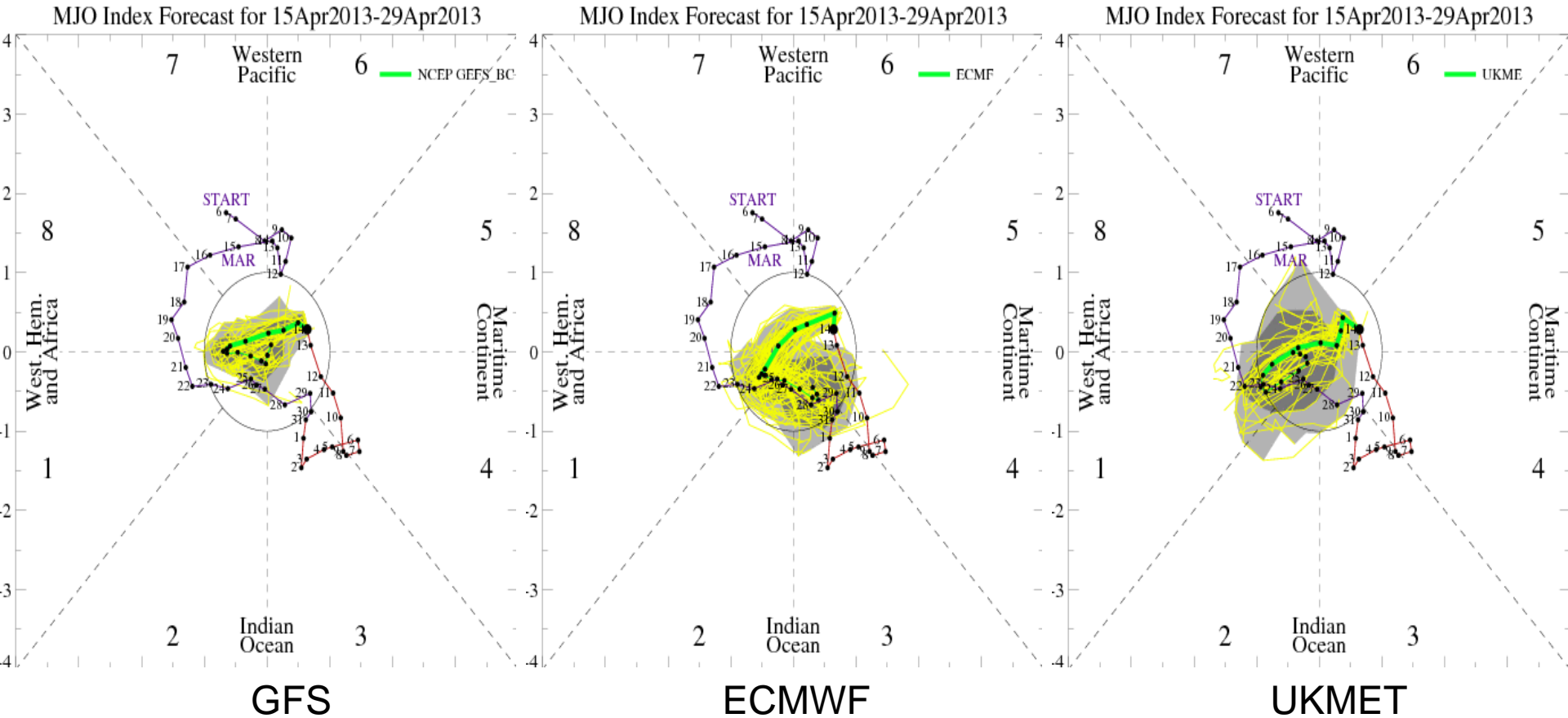


IR Satellite & 200-hpa Velocity Potential Anomalies

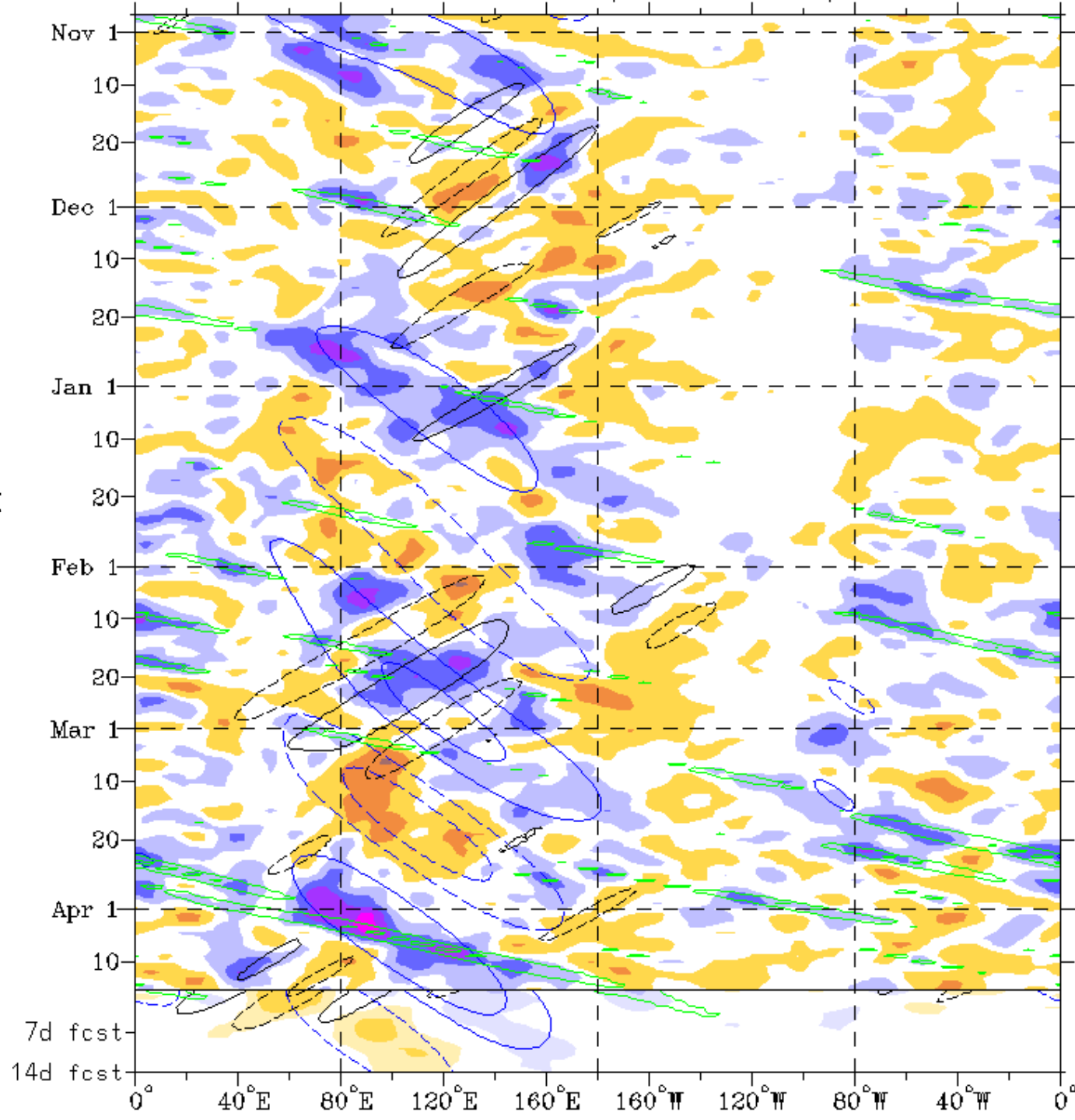
Green: Enhanced Divergence Brown: Enhanced Convergence

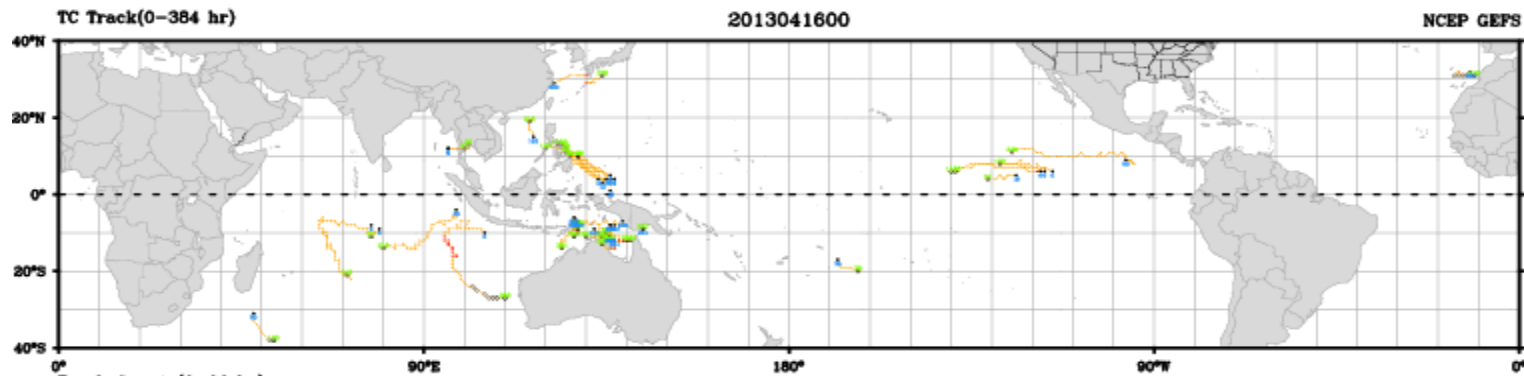


MJO Observation/Forecast

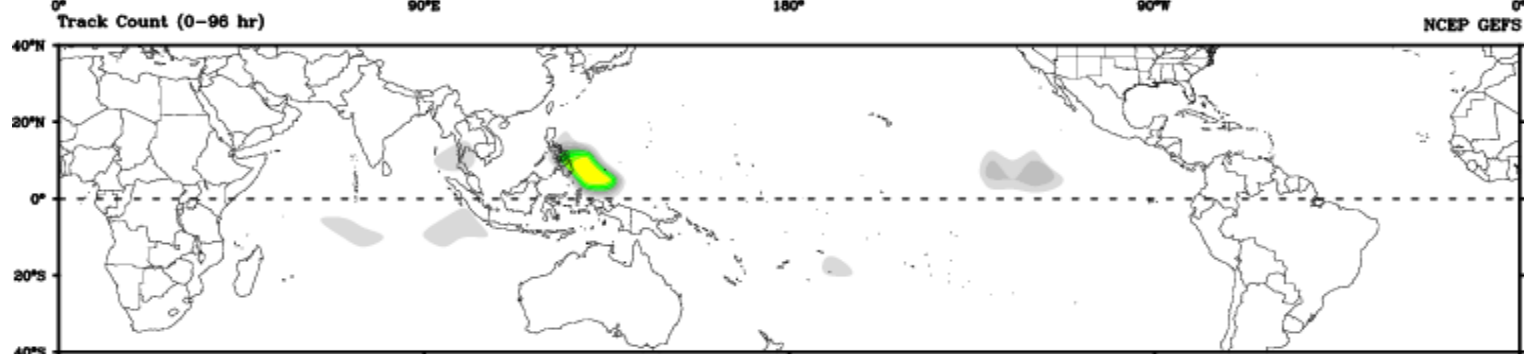


Active phase of the
MJO forecast to affect
the Pacific Ocean.

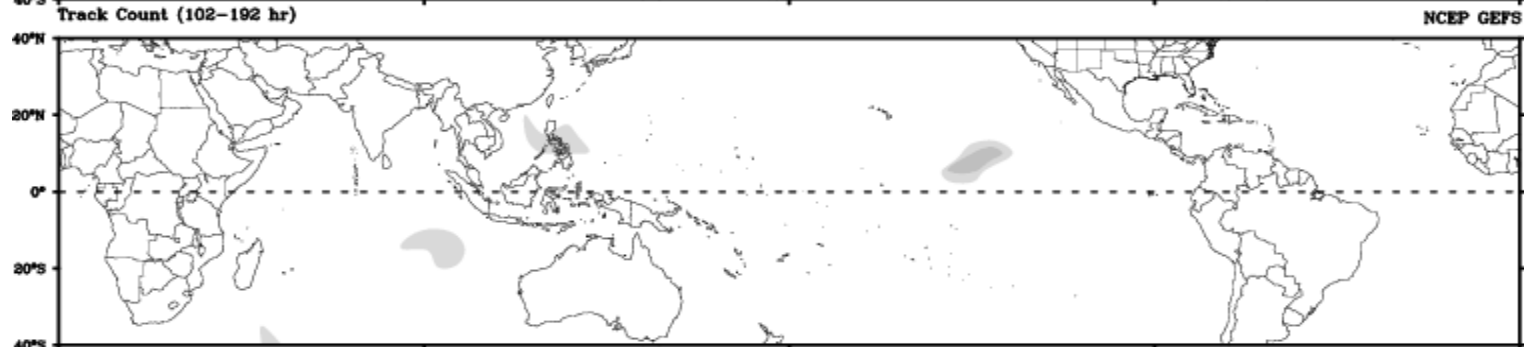




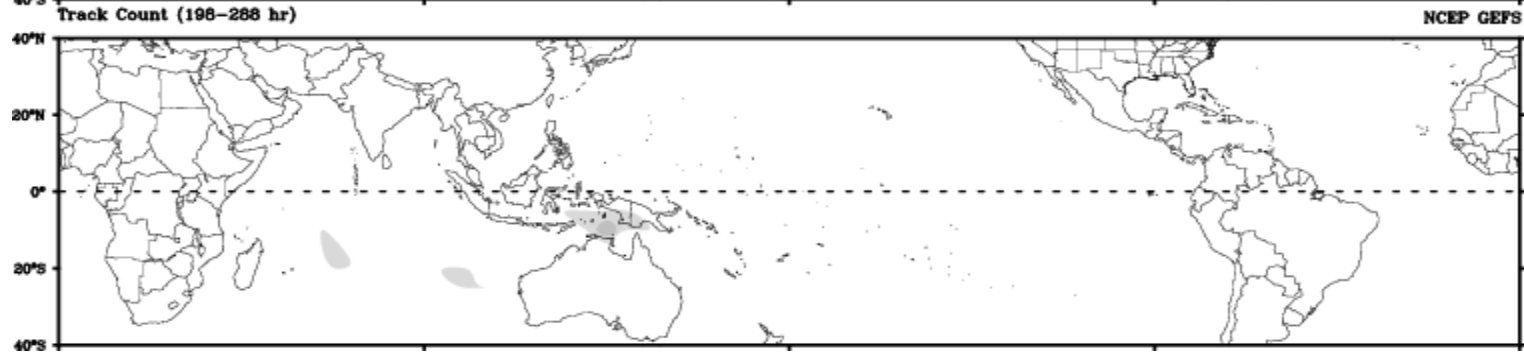
Days 1-4

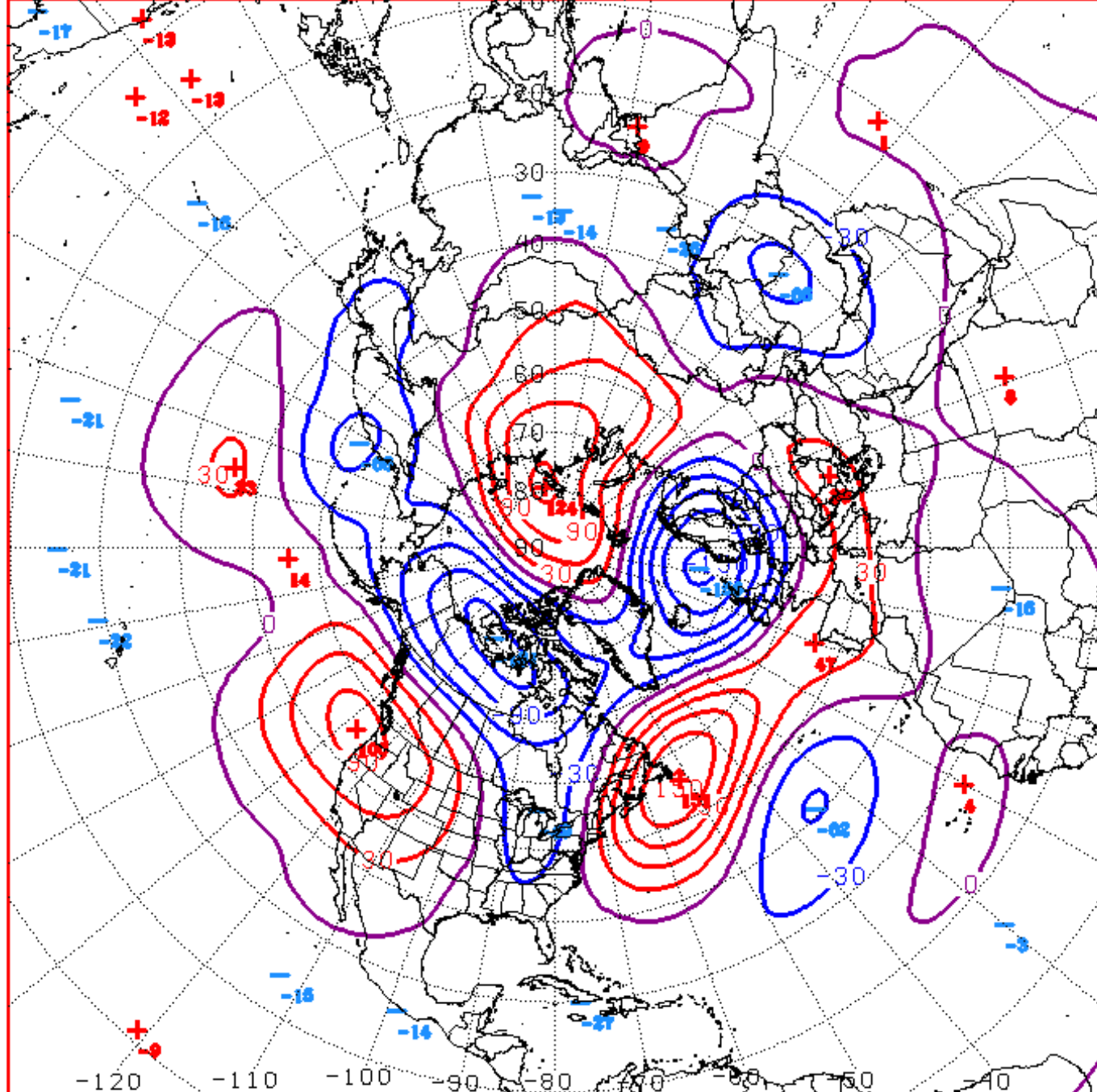


Day 5-8

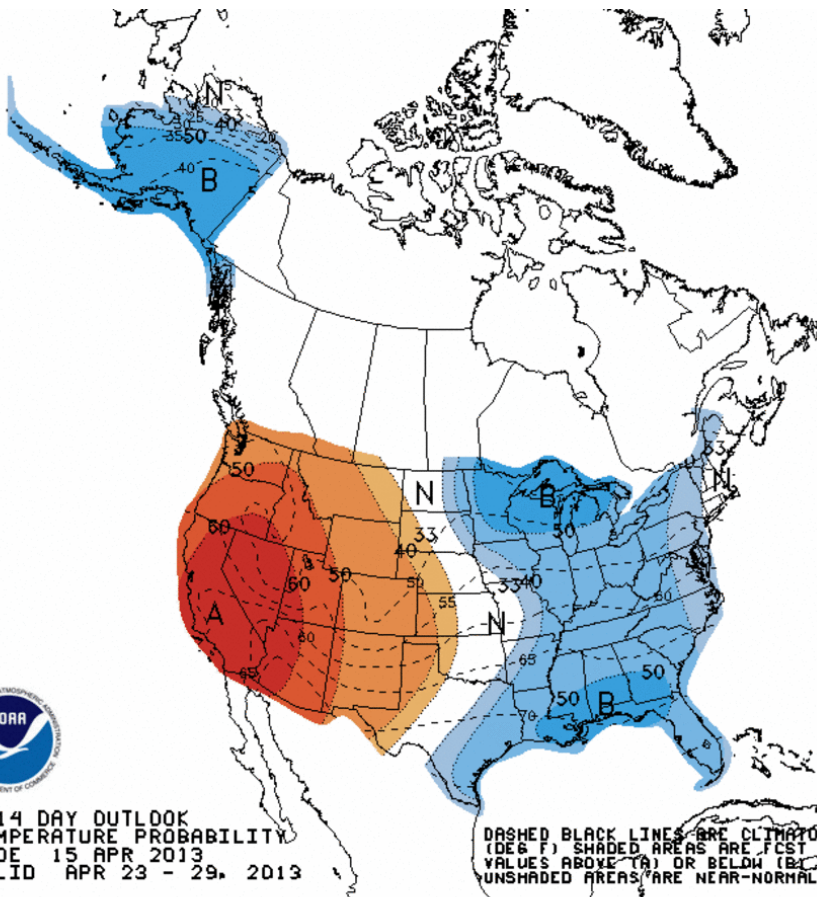


Day 9-12



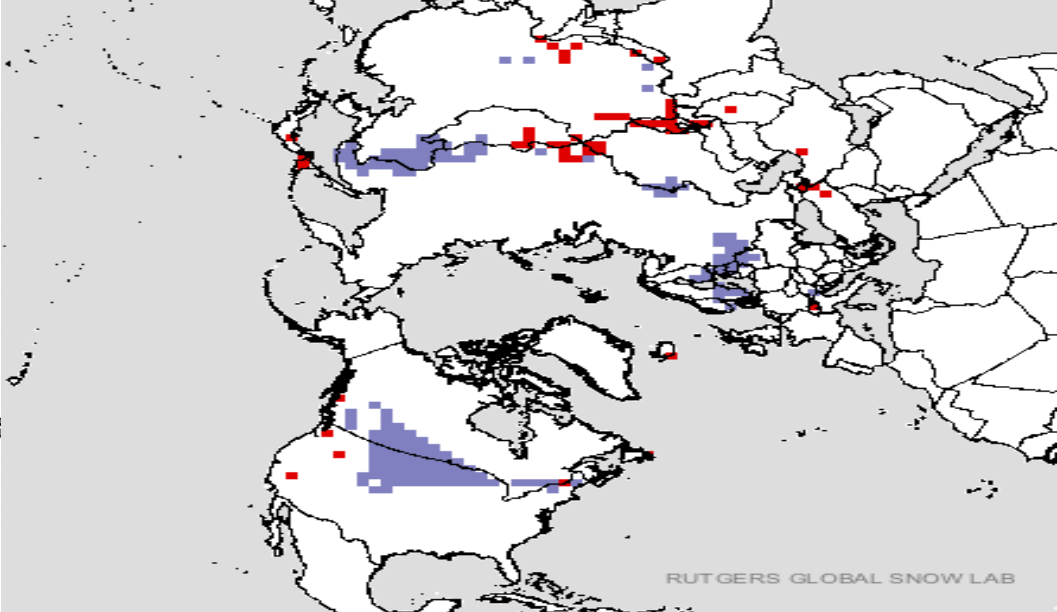
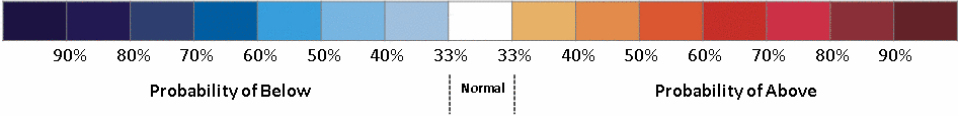


D+11 500 MB ANOMALIES FROM 00Z ECMM
 CPC MAP MADE APR 16 2013 1046 UTC CNTD APR 27 2013

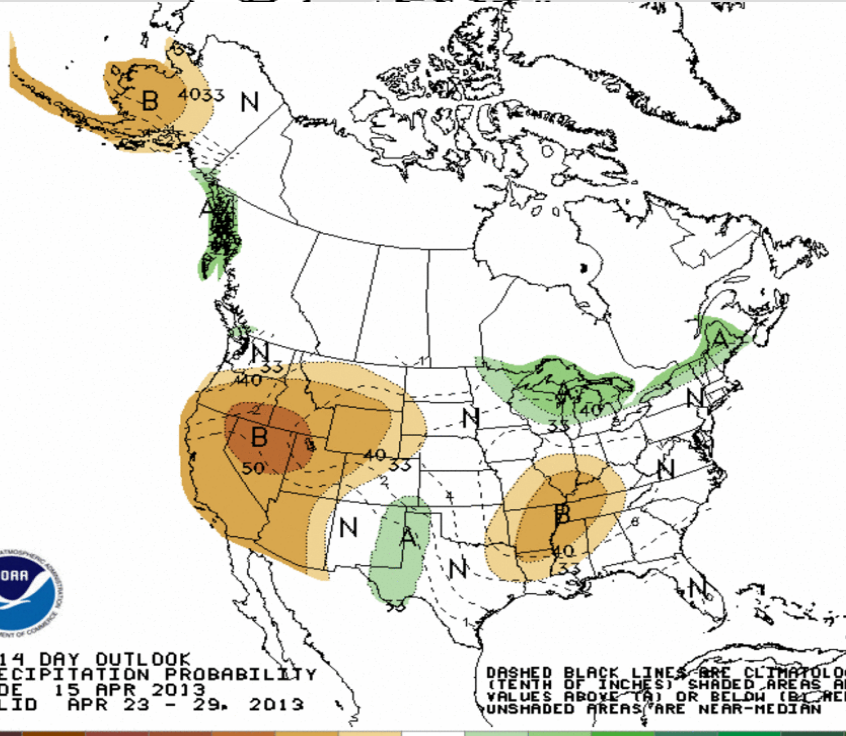


8-14 DAY OUTLOOK
TEMPERATURE PROBABILITY
MADE 15 APR 2013
VALID APR 23 - 29, 2013

DASHED BLACK LINES ARE CLIMATOLOGY
(DEG F). SHADED AREAS ARE FCST
VALUES ABOVE (A) OR BELOW (B) NORMAL.
UNSHADED AREAS ARE NEAR-NORMAL.

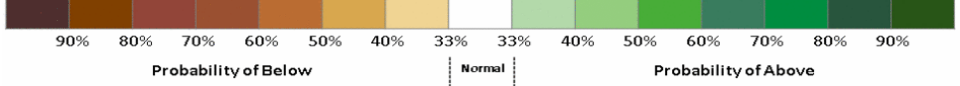


RUTGERS GLOBAL SNOW LAB



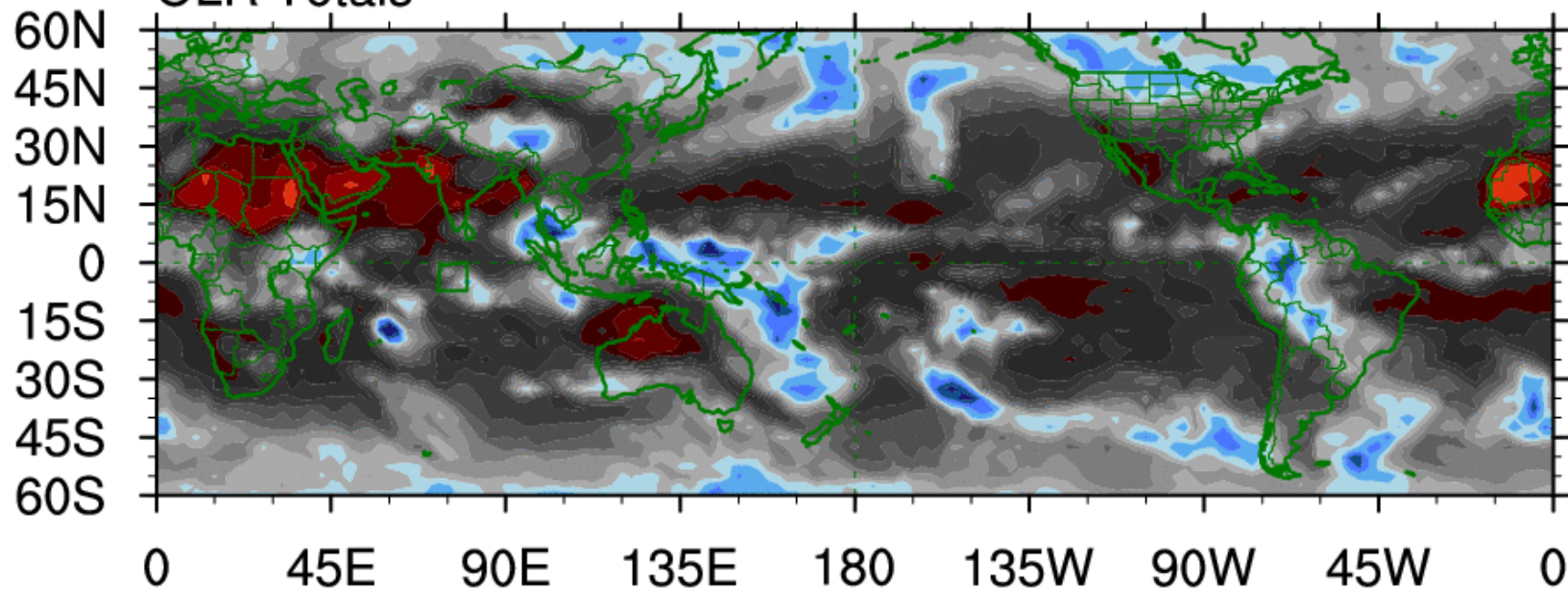
8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 15 APR 2013
VALID APR 23 - 29, 2013

DASHED BLACK LINES ARE CLIMATOLOGY
(TENTH OF INCHES). SHADED AREAS ARE FCST
VALUES ABOVE (A) OR BELOW (B) MEDIAN.
UNSHADED AREAS ARE NEAR-MEDIAN.

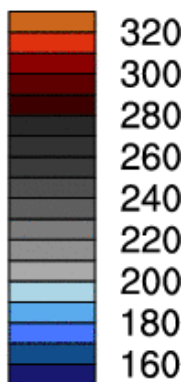


12-Apr-2013 to 14-Apr-2013

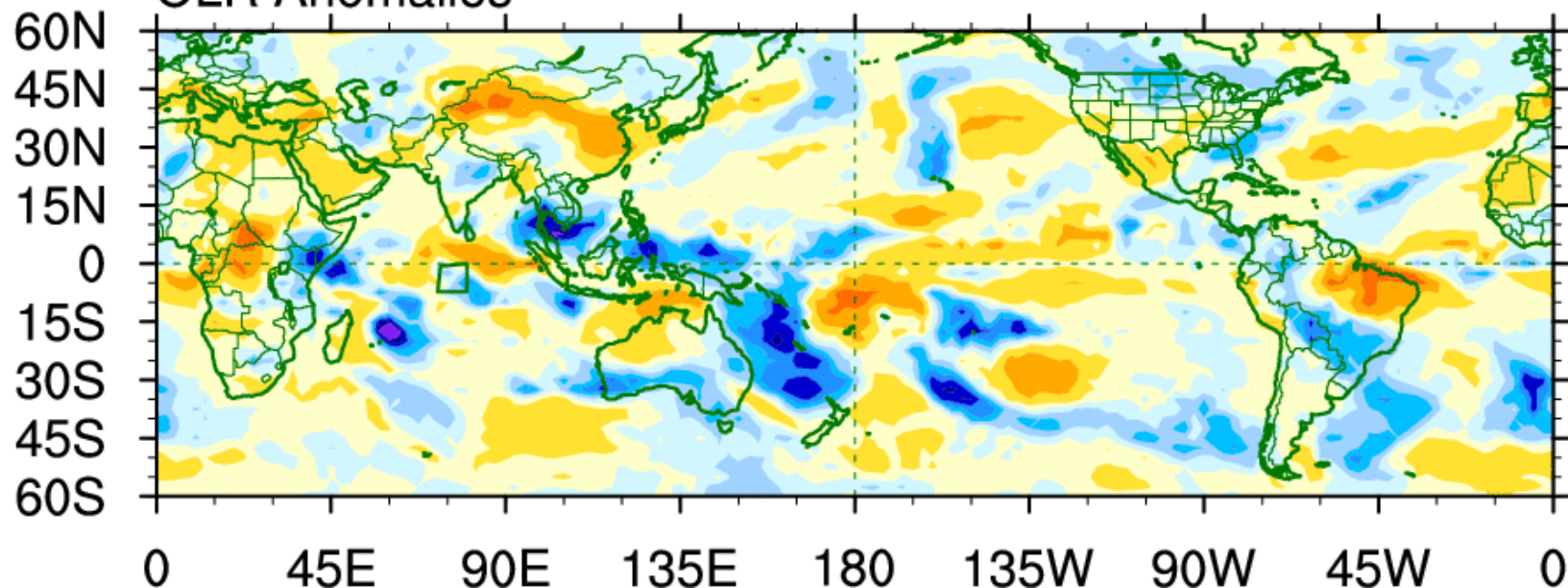
OLR Totals



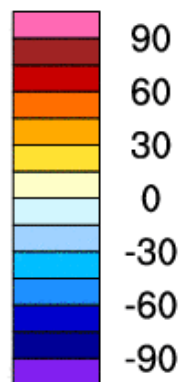
W/m^2



OLR Anomalies



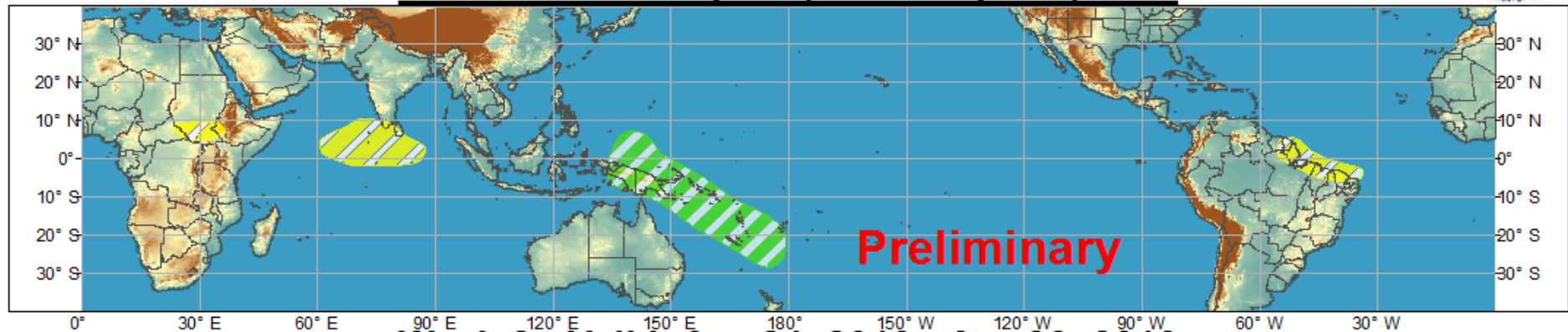
W/m^2



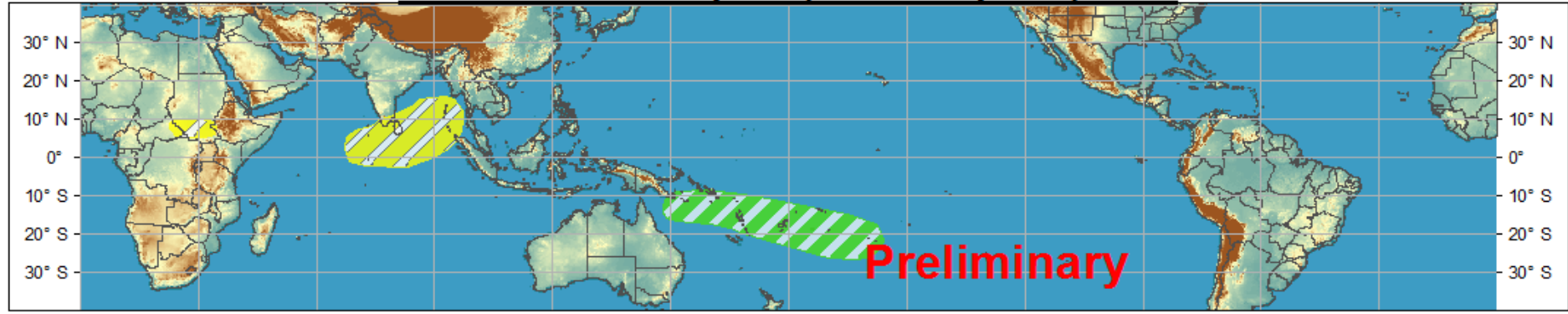


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| | Confidence | |
|-----------------------------------|------------|----------|
| | High | Moderate |
| Tropical Cyclone Formation | | |
| Above-average rainfall | | |
| Below-average rainfall | | |
| Above-normal temperatures | | |
| Below-normal temperatures | | |

Development of a tropical cyclone that eventually reaches tropical storm/cyclone strength.

Weekly total rainfall in the upper third of the historical range.

Weekly total rainfall in the lower third of the historical range.

7-day mean temperatures in the upper third of the historical range.

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