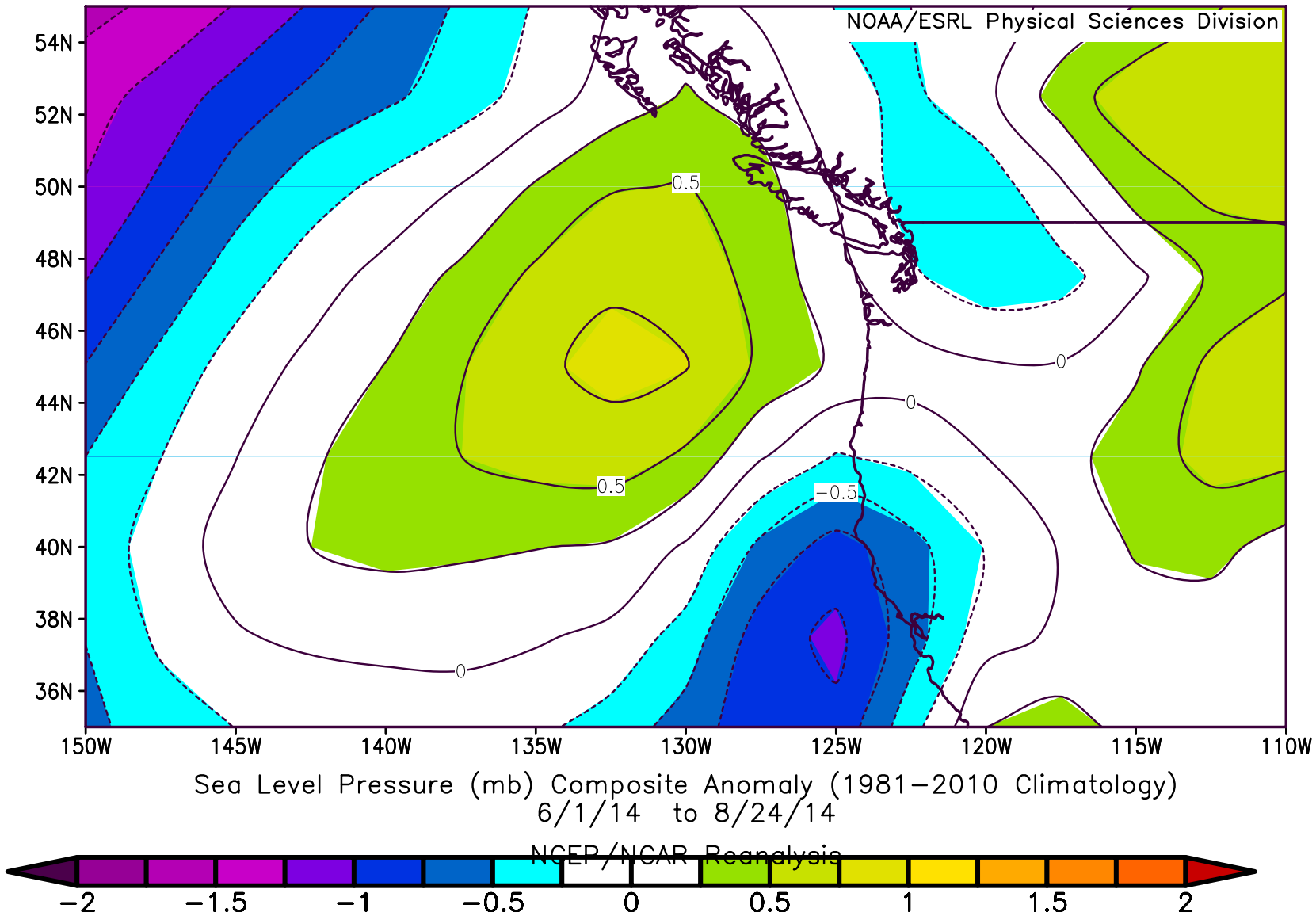
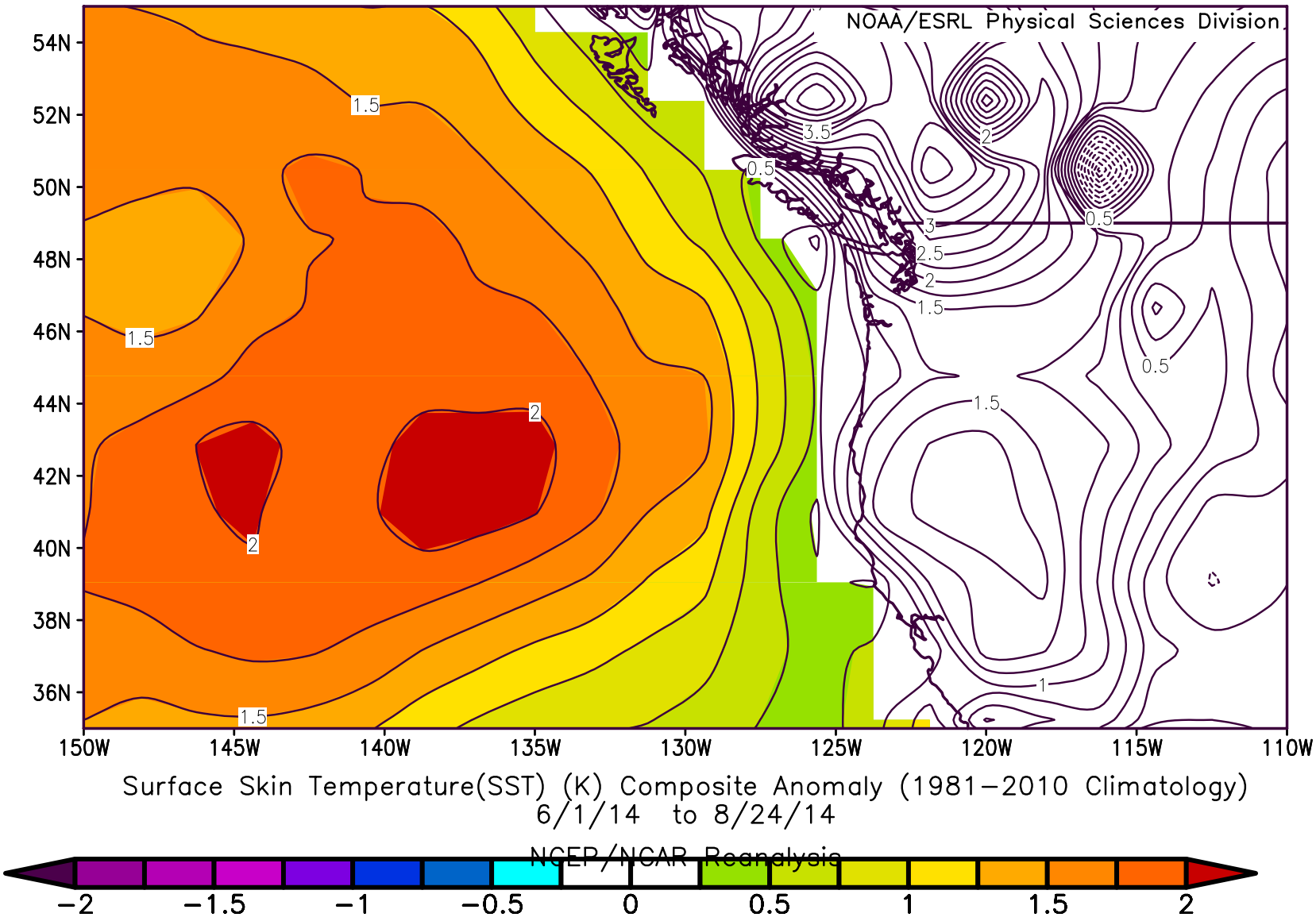
Regional Climate Setting

- Summary of Summer 2014 in the Pac NW
- State of ENSO; Model Predictions

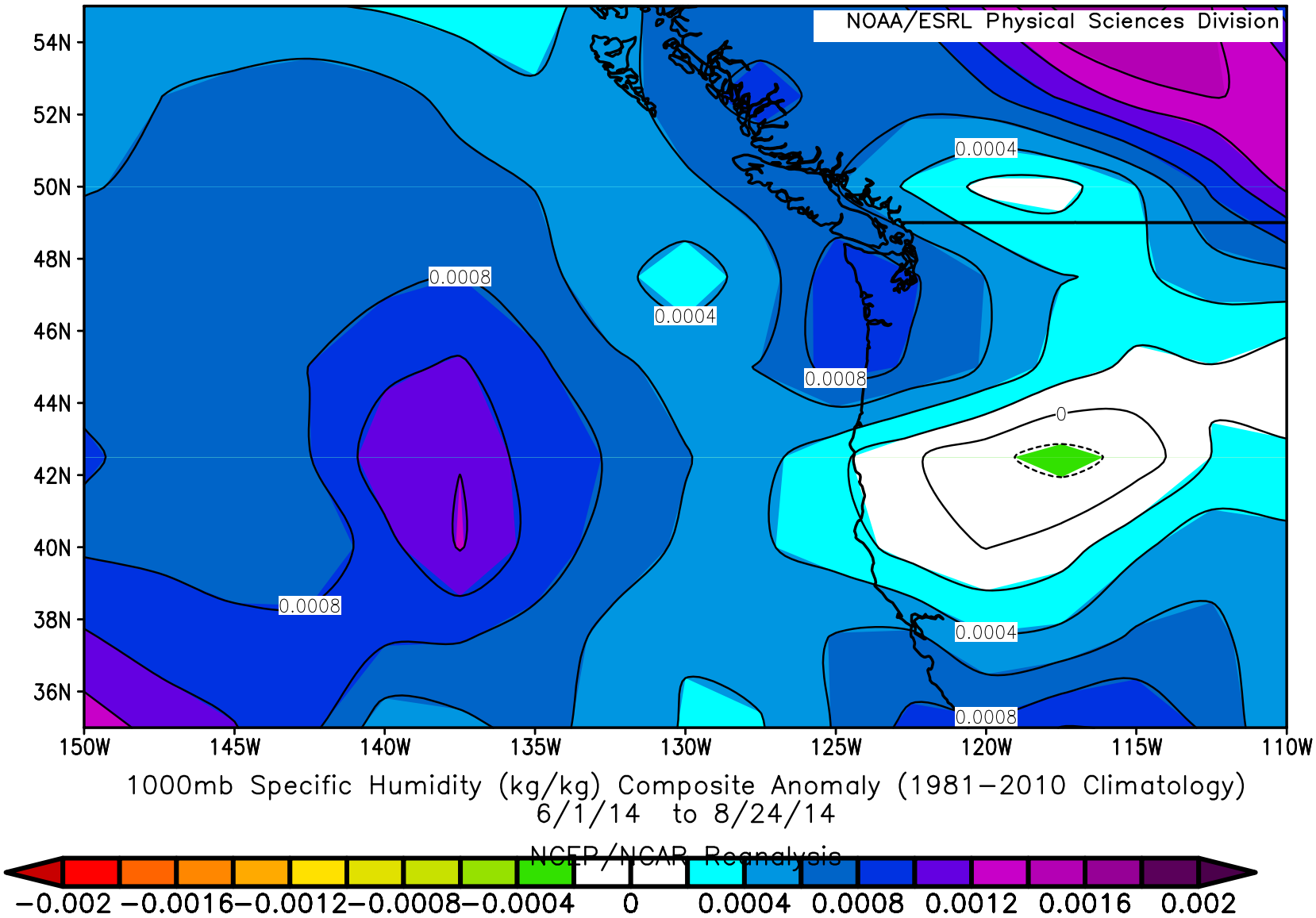
Near-normal Low-level Circulation: SLP Anomalies since 1 June 2014

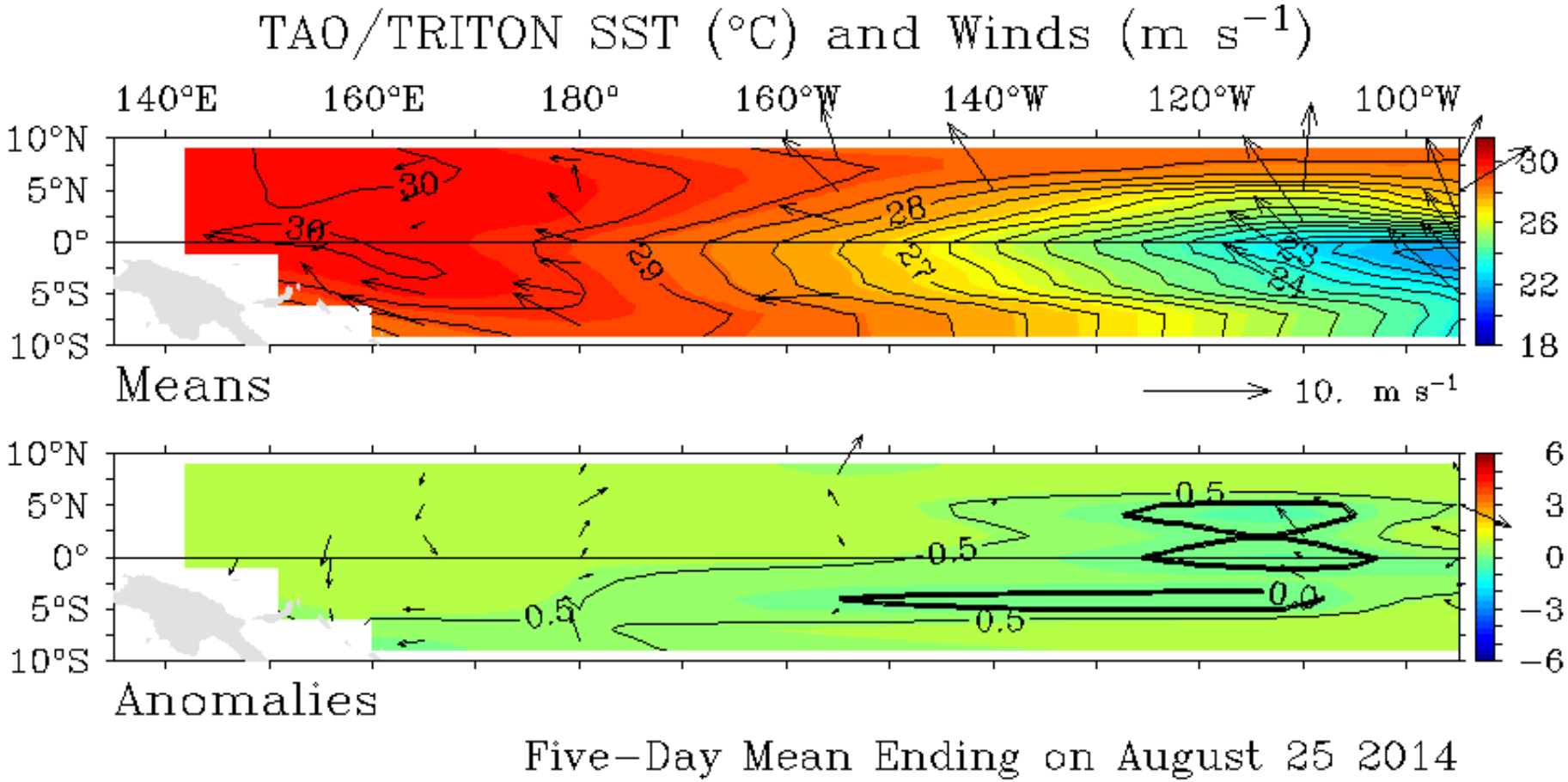


The Blob Abides – SST Anomalies since 1 June 2014

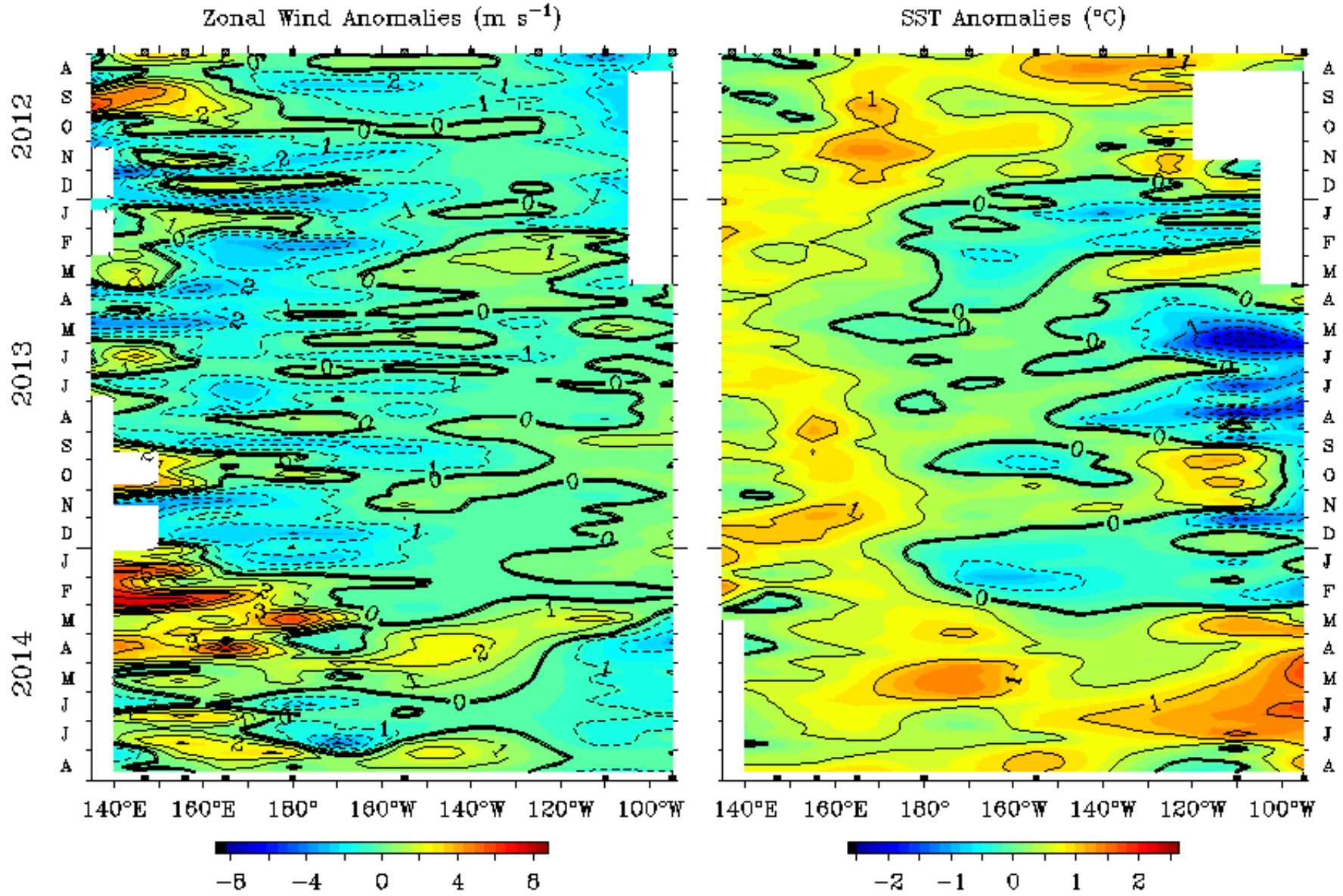


Another Humid Summer – 1000 hPa Anomalies since 1 June 2014




TAO/TRITON SST (°C) and Winds (m s^{-1})
140°E
160°E
180°
160°W
140°W
120°W
100°W
10°N
5°N
0°
5°S
10°S
30
28
26
24
22
18
Means
10. m s^{-1}
6
3
0
−3
−6
0.5
0.0
Anomalies
Five−Day Mean Ending on August 25 2014

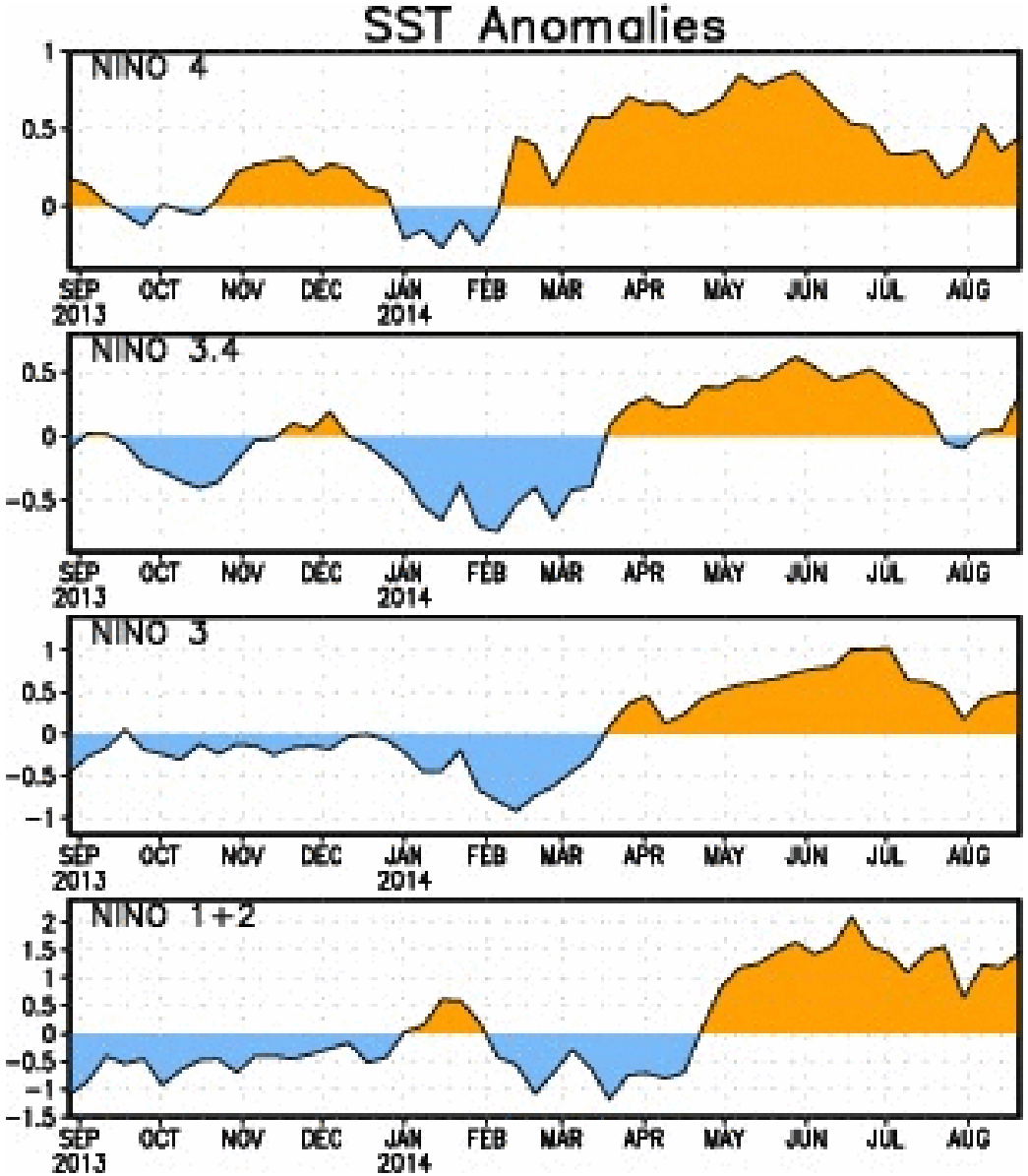
Five-Day Zonal Wind and SST 2°S to 2°N Average

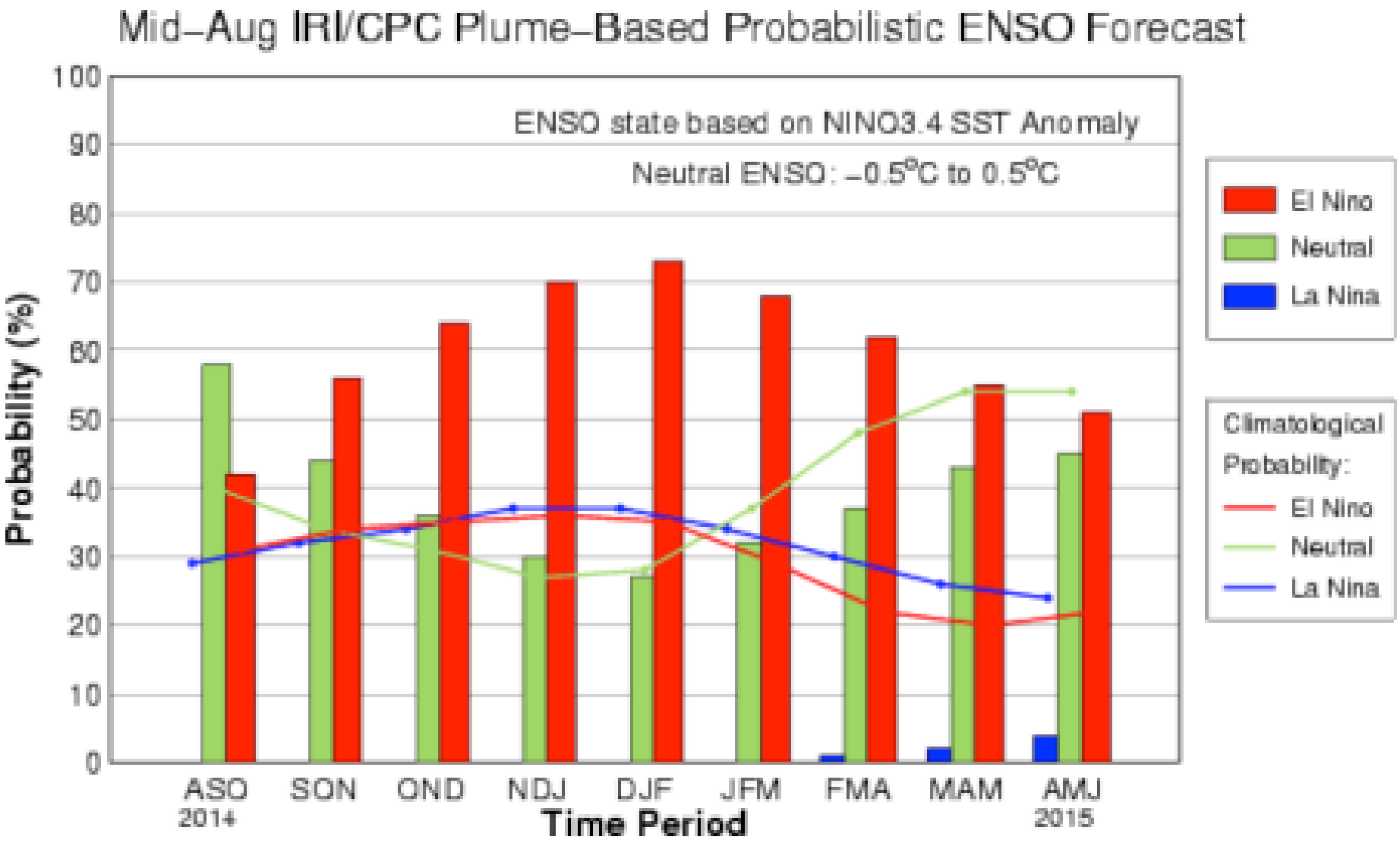


TAO Project Office/PMEL/NOAA

Aug 26 2014

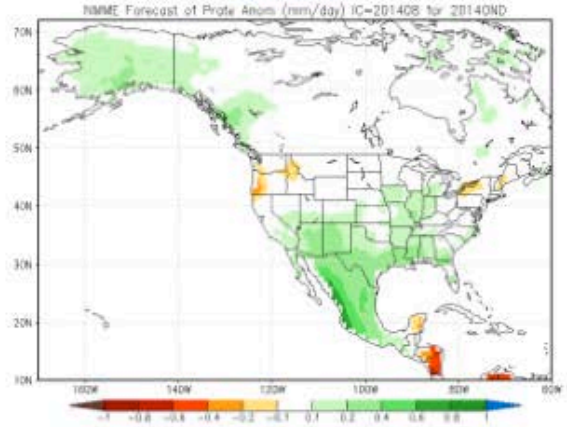
Recent Equatorial Pacific Ocean SST Anomalies in Nino Regions



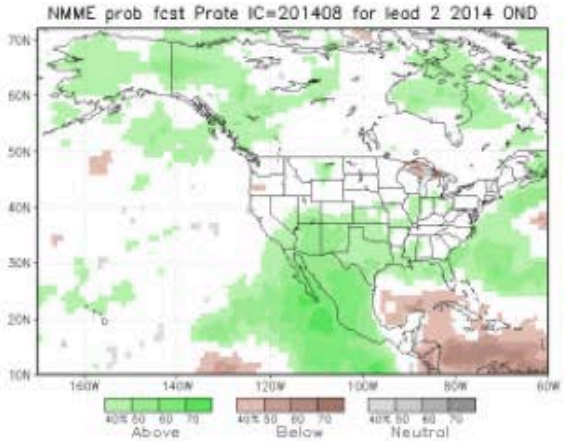

Mid–Aug IRI/CPC Plume–Based Probabilistic ENSO Forecast
ENSO state based on NINO3.4 SST Anomaly
Neutral ENSO: –0.5°C to 0.5°C
Probability (%)
100
90
80
70
60
50
40
30
20
10
0
ASO
2014
SON
OND
NDJ
DJF
JFM
FMA
MAM
AMJ
2015
Time Period
El Nino
Neutral
La Nina
Climatological Probability:
El Nino
Neutral
La Nina

Precipitation Predictions for OND 2014 (Aug 2014)

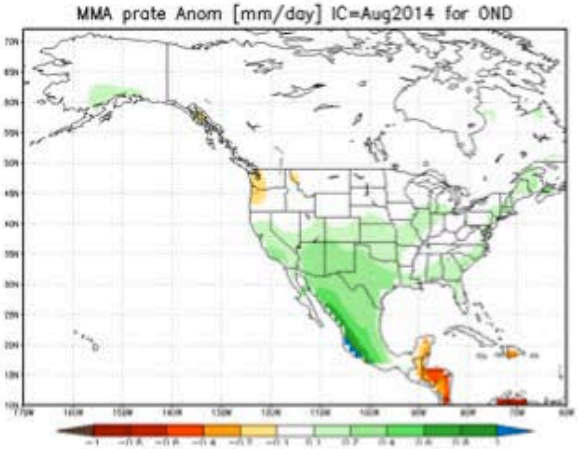
NMME



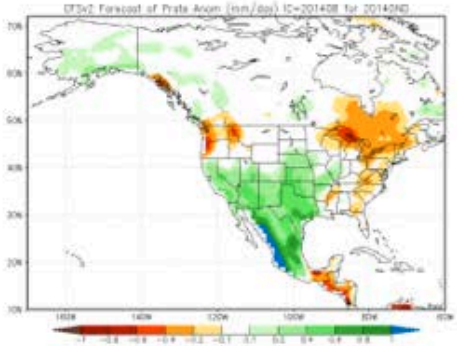
Prob fcst



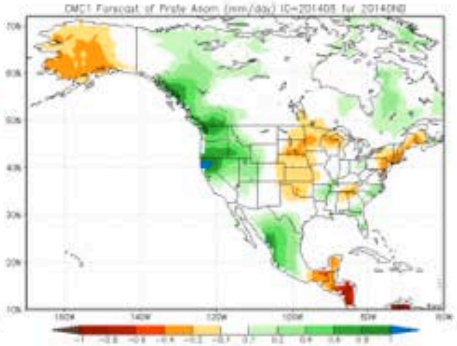
IMME



CFSv2



CMC1



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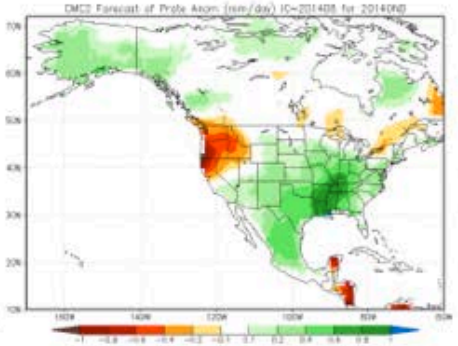
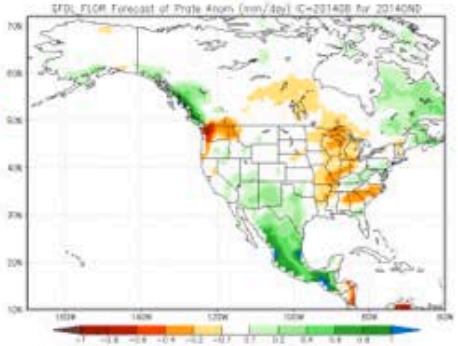


GFDL_FLOR



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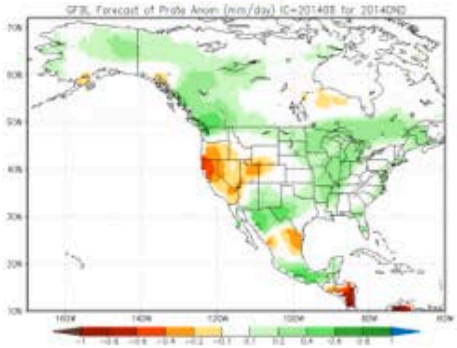

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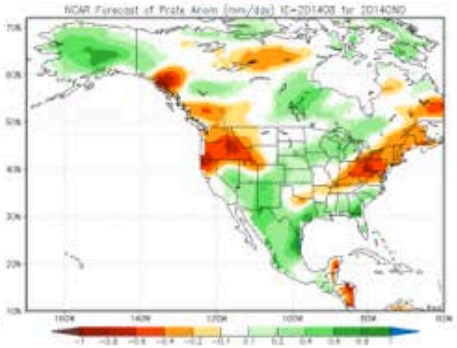
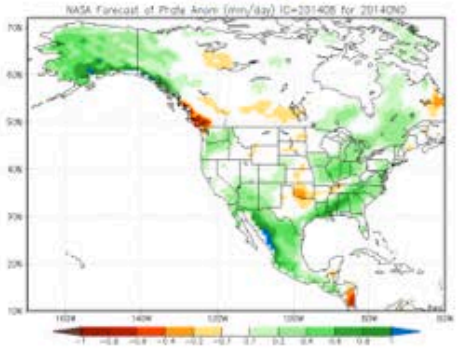
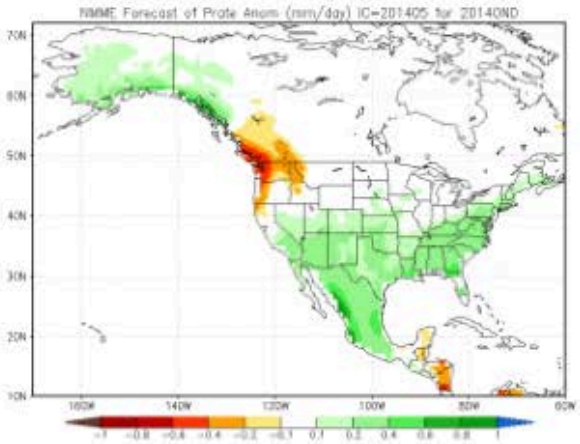


NCAR_CCSM4

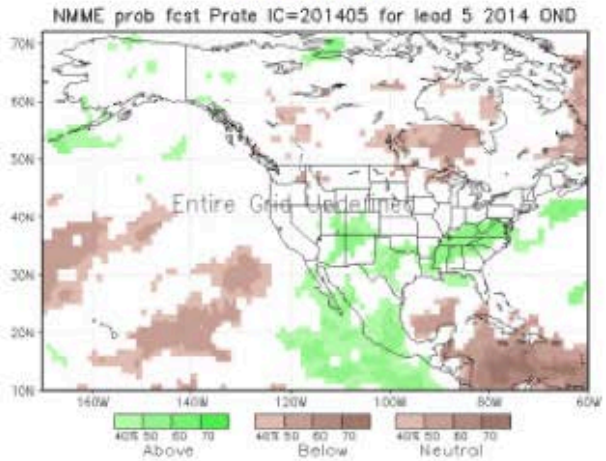
NASA



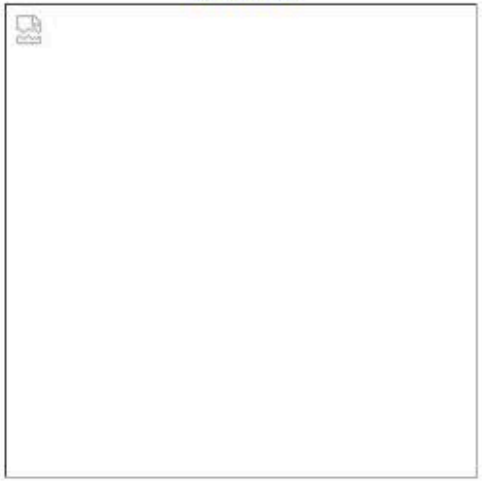
NMME



Prob fcst

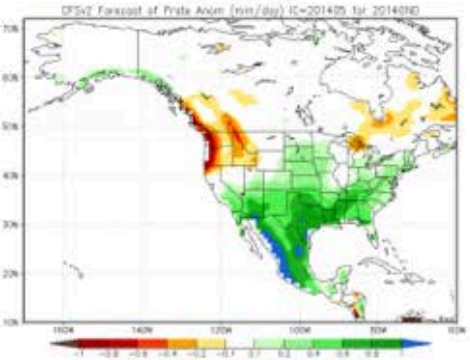


IMME

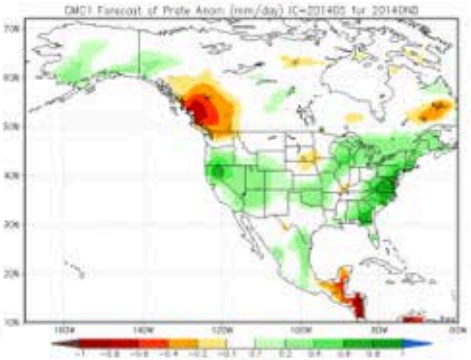


Precipitation Predictions for OND 2014 (May 2014)

CFSv2



CMC1



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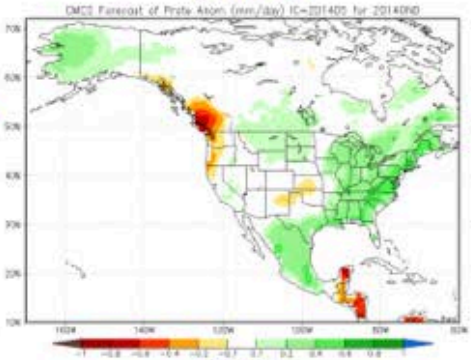

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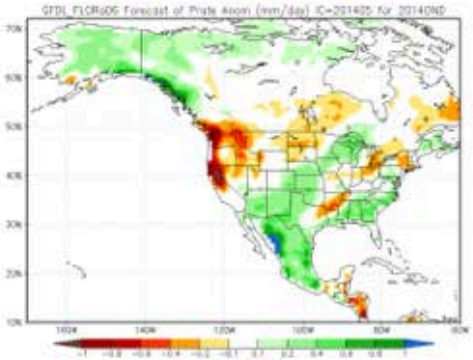

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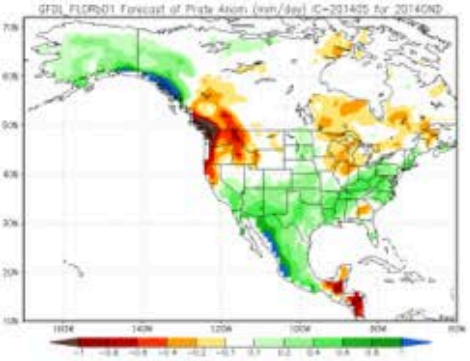

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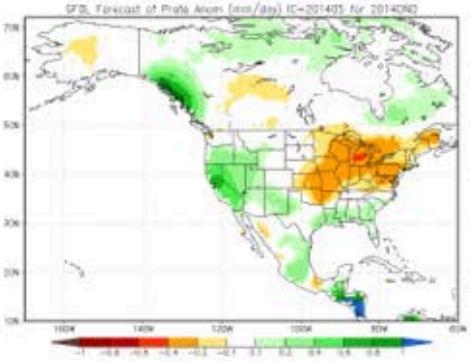

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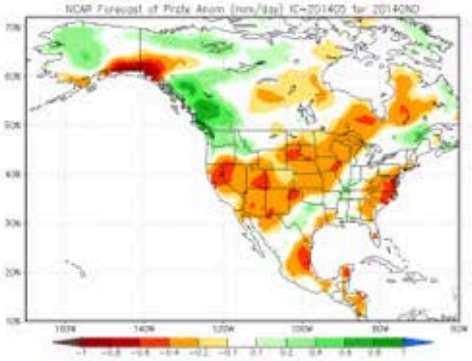
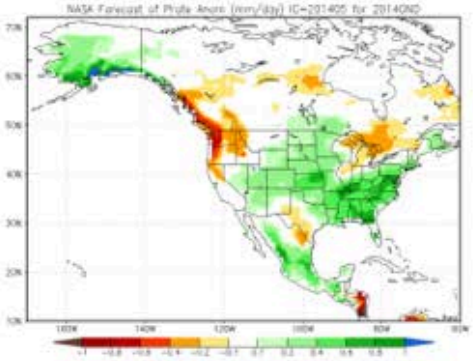
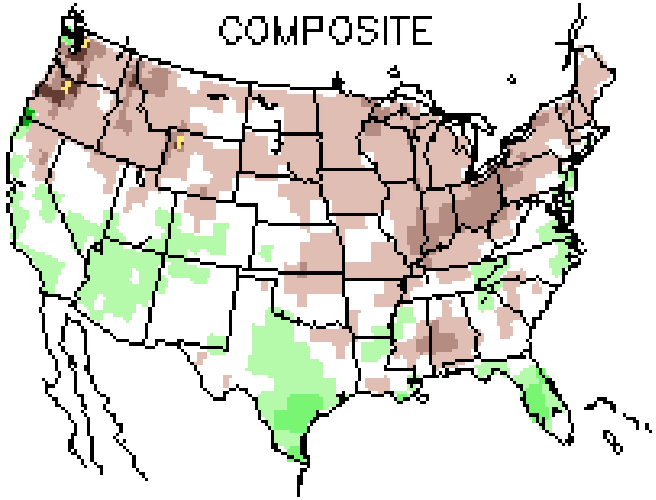


NASA



OND EL NINO PRECIPITATION ANOMALIES (MM) AND FREQUENCY OF OCCURRENCE (%)

ANOMALIES



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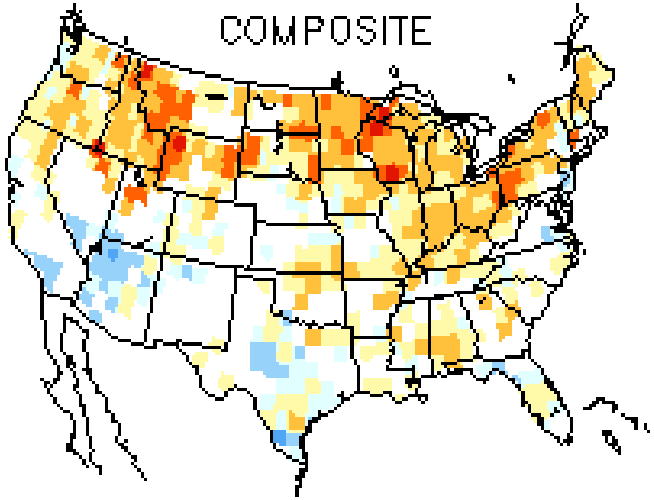
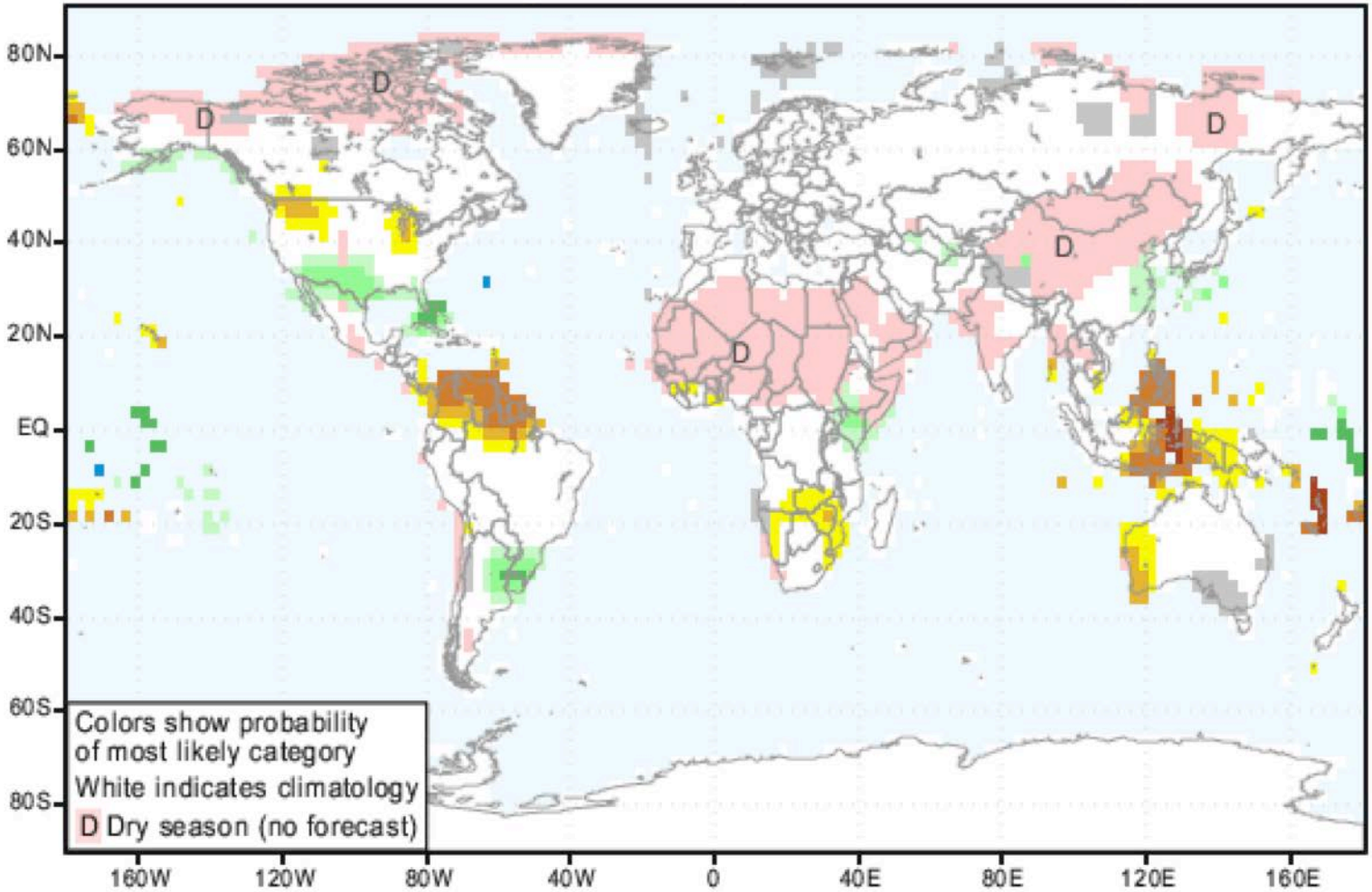
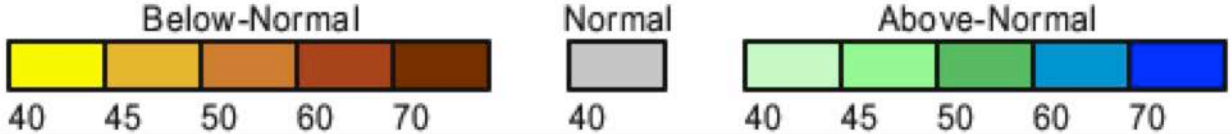


IRI Multi-Model Probability Forecast for Precipitation for December-January-February 2015, Issued August 2014



Probability (%) of Most Likely Category