

Summary of Key Briefing Points
1030-1130am MST Mon Feb 29, 2016

Current Conditions as of Mon 12Z-15Z February 29

Tropics and Mid-latitudes

Over the Tropical Pacific:

- Isolated convection in central portion FD
- Main activity in SH SPCZ
- Low pressure, low level cyclonic circulation organizing convection in FD

Tropical Outlook

- Main convection in SPCZ----to remain very active, and eastward displaced
- Active convection expected in central/west-central FD next 2-3 days

Midlatitude Conditions/Outlook

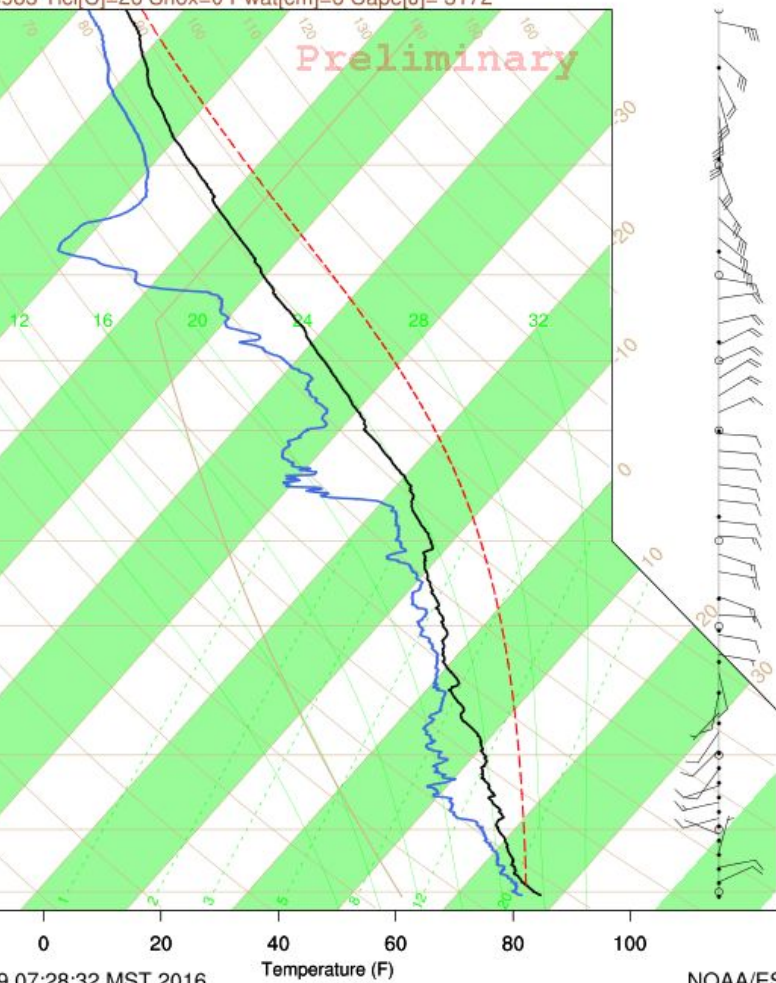
Short Term:

- CA quiet, rains expected by weekend

- **Medium - Long Term:**

- Heavy rains possible over weekend
- Day 9-15 in EC and GFS indicate major change in the EPacific circulation, wet ALL CA likely

ati Is: 02/29/2016 1122Z 2.01N 157.40W
983 Tlcl[C]=26 Shox=0 Pwat[cm]=6 Cape[J]= 3172

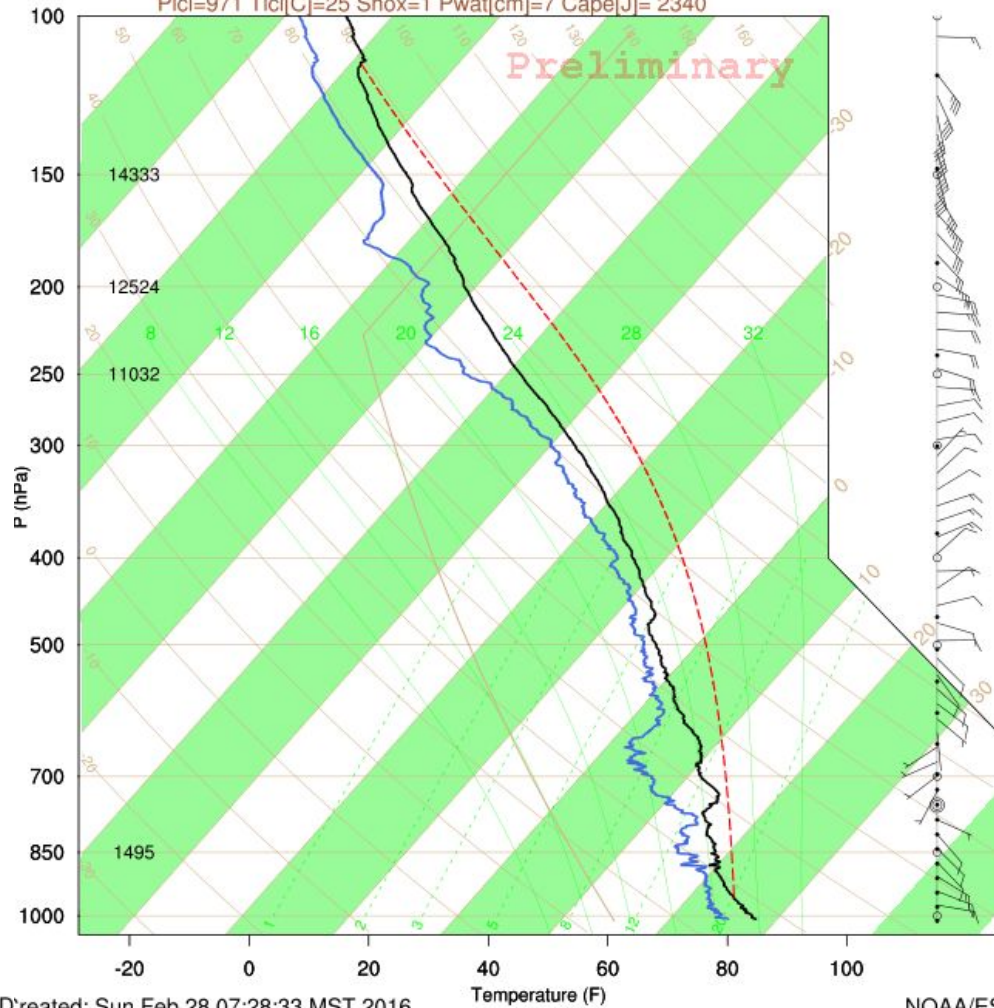


9 07:28:32 MST 2016

NOAA/ESRL PSD;reated: Sun Feb 28 07:28:33 MST 2016

Kiritimati Is: 02/28/2016 1124Z 2.01N 157.40W

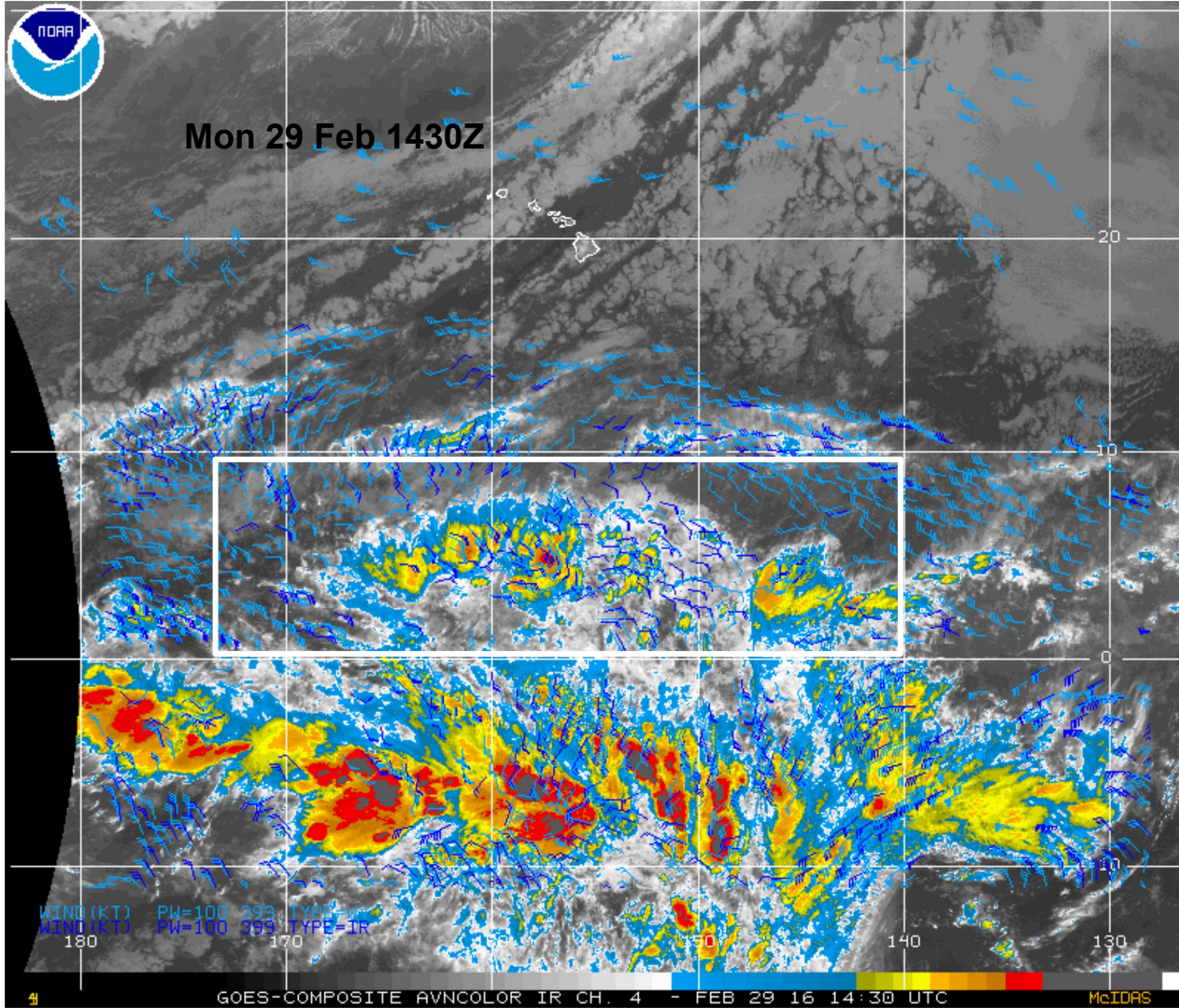
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NOAA/ESRL PSD

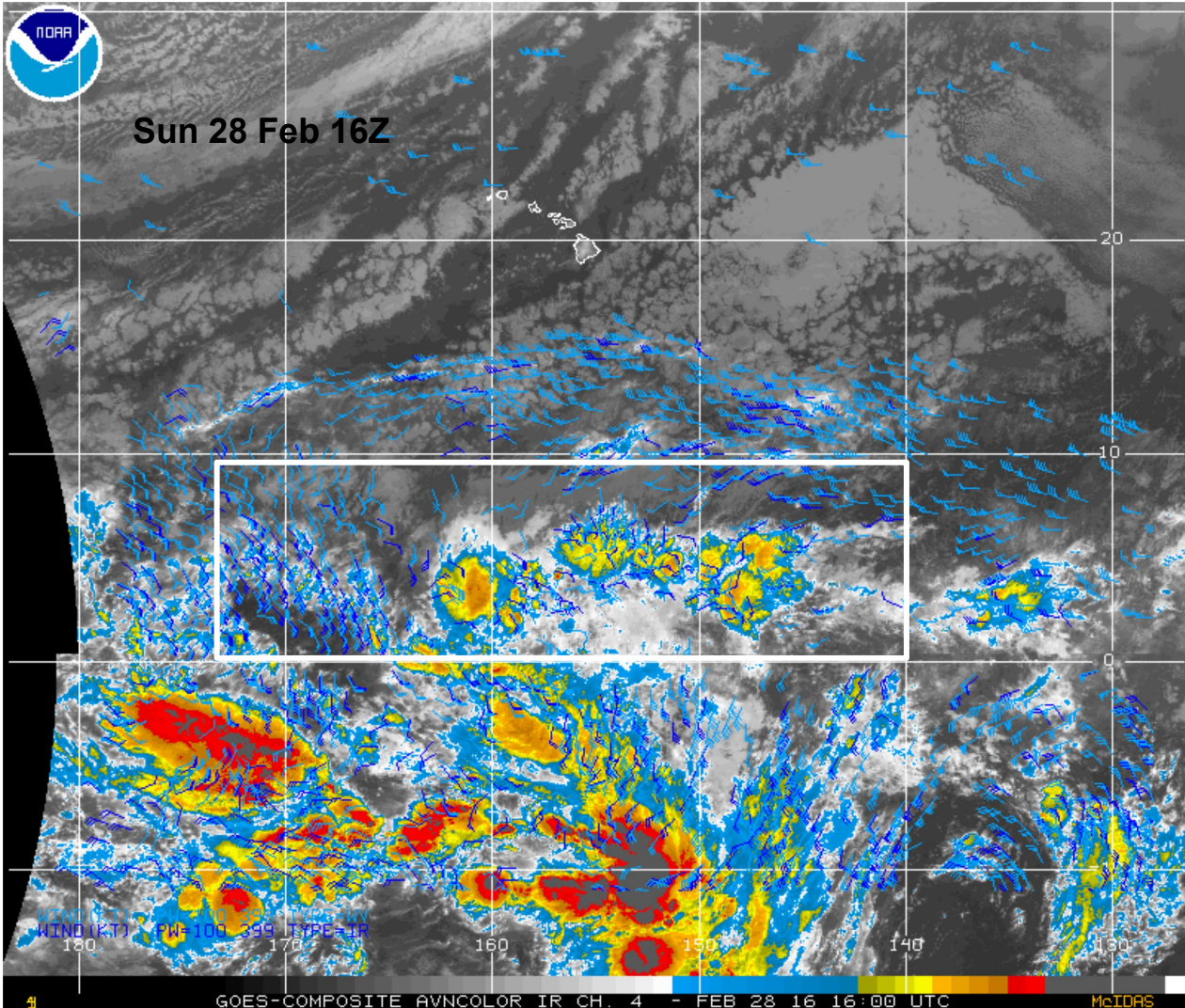


Mon 29 Feb 1430Z



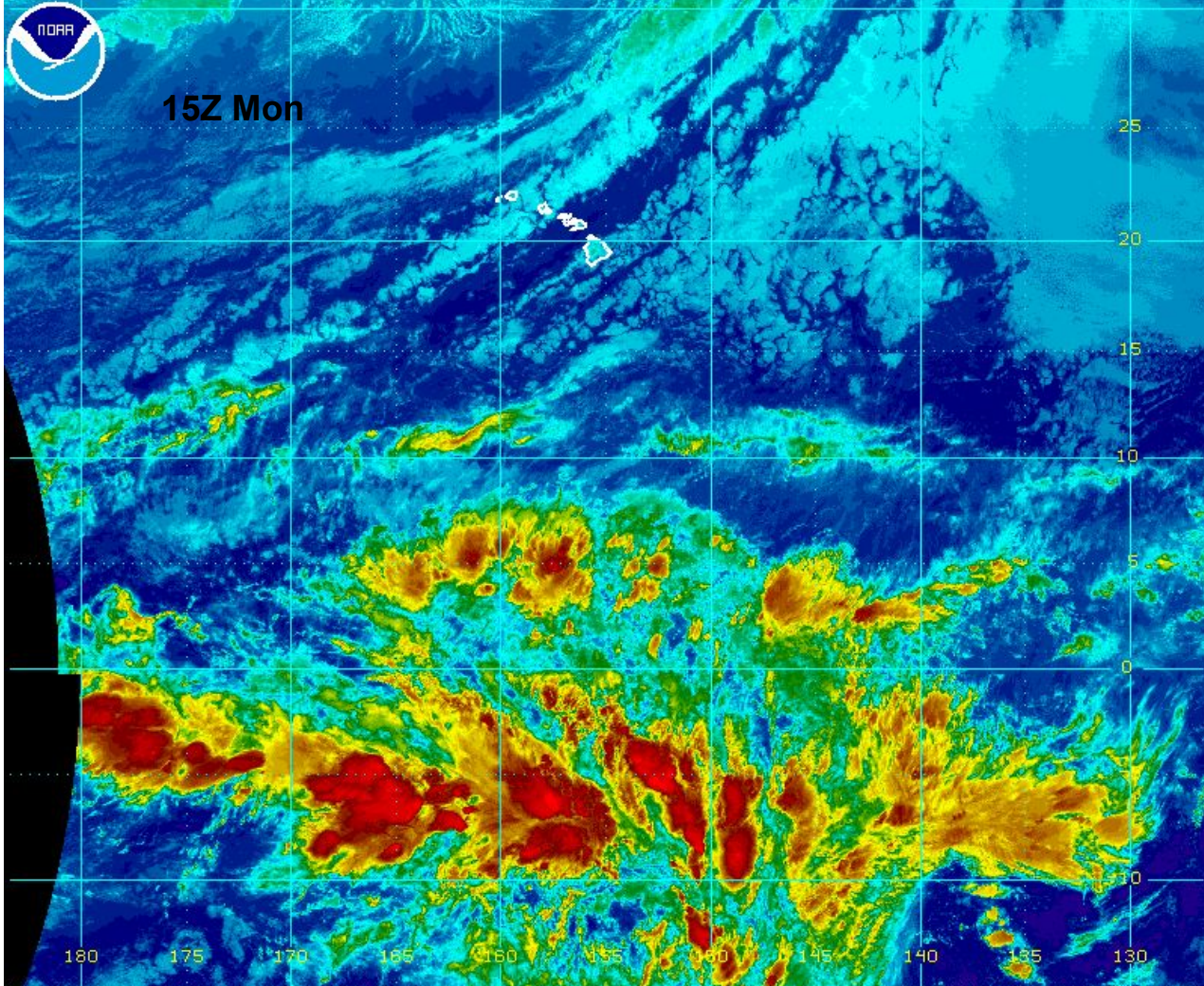


Sun 28 Feb 16Z



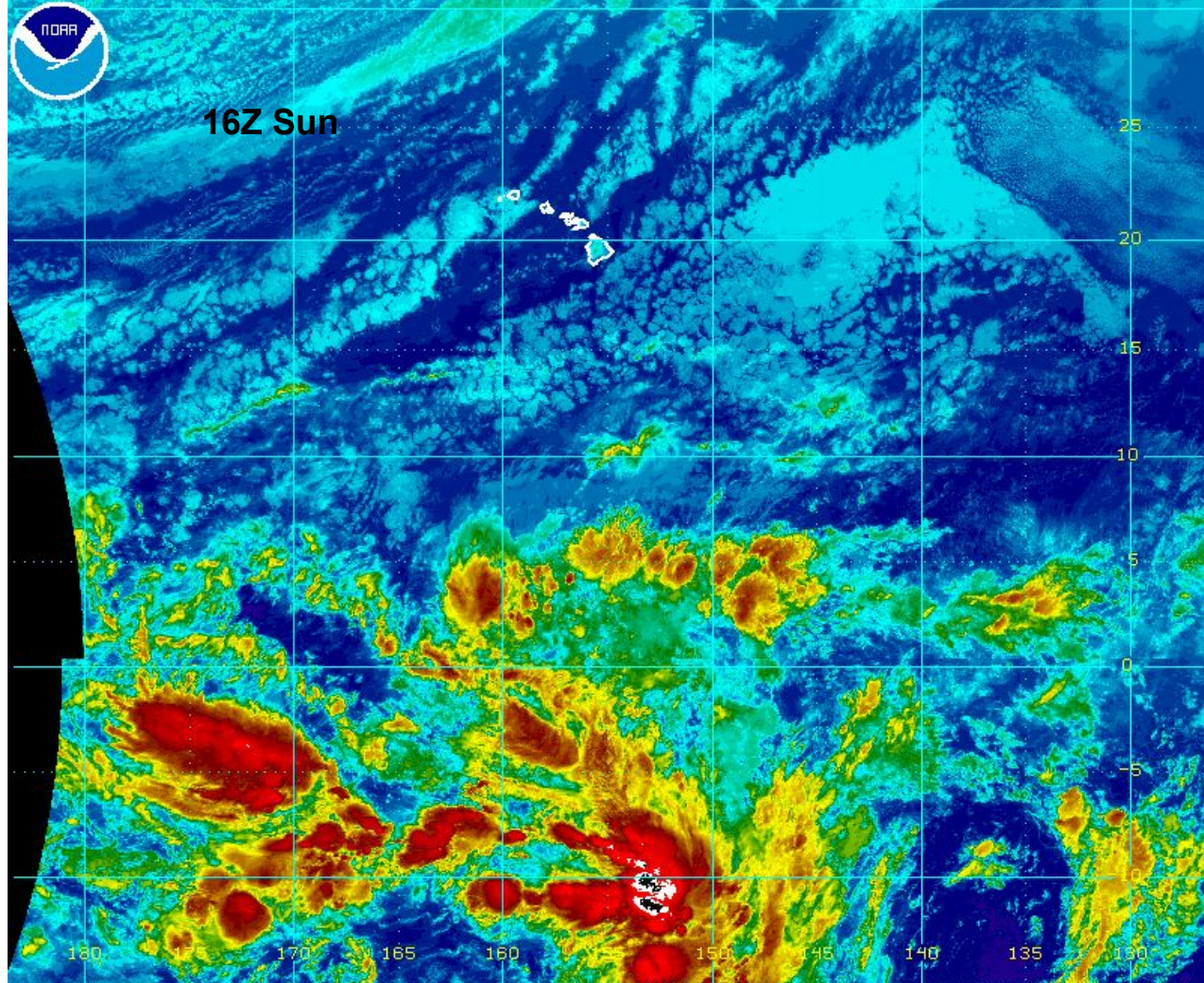


15Z Mon

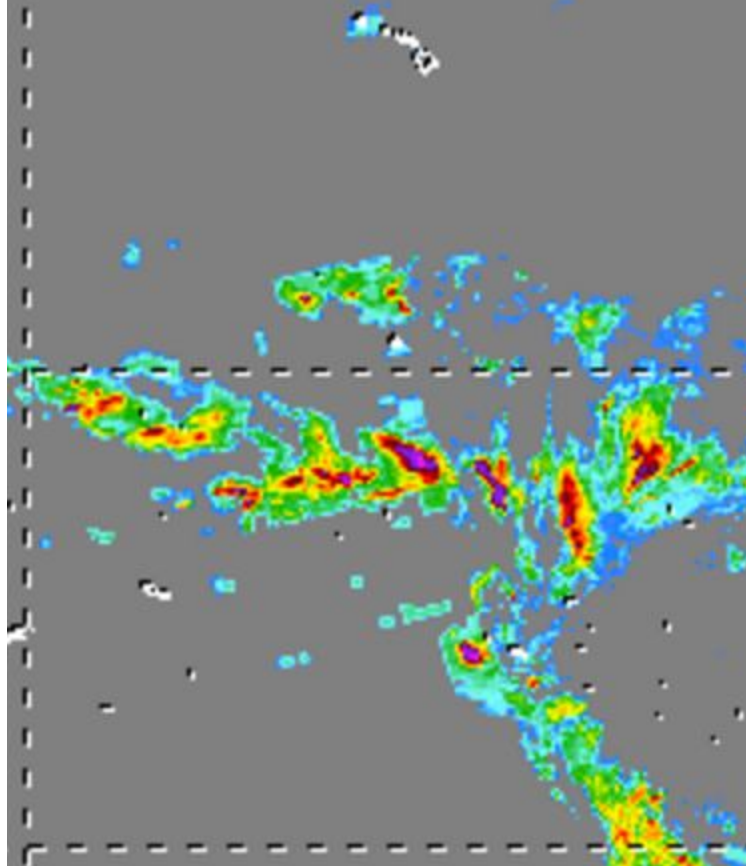




16Z Sun

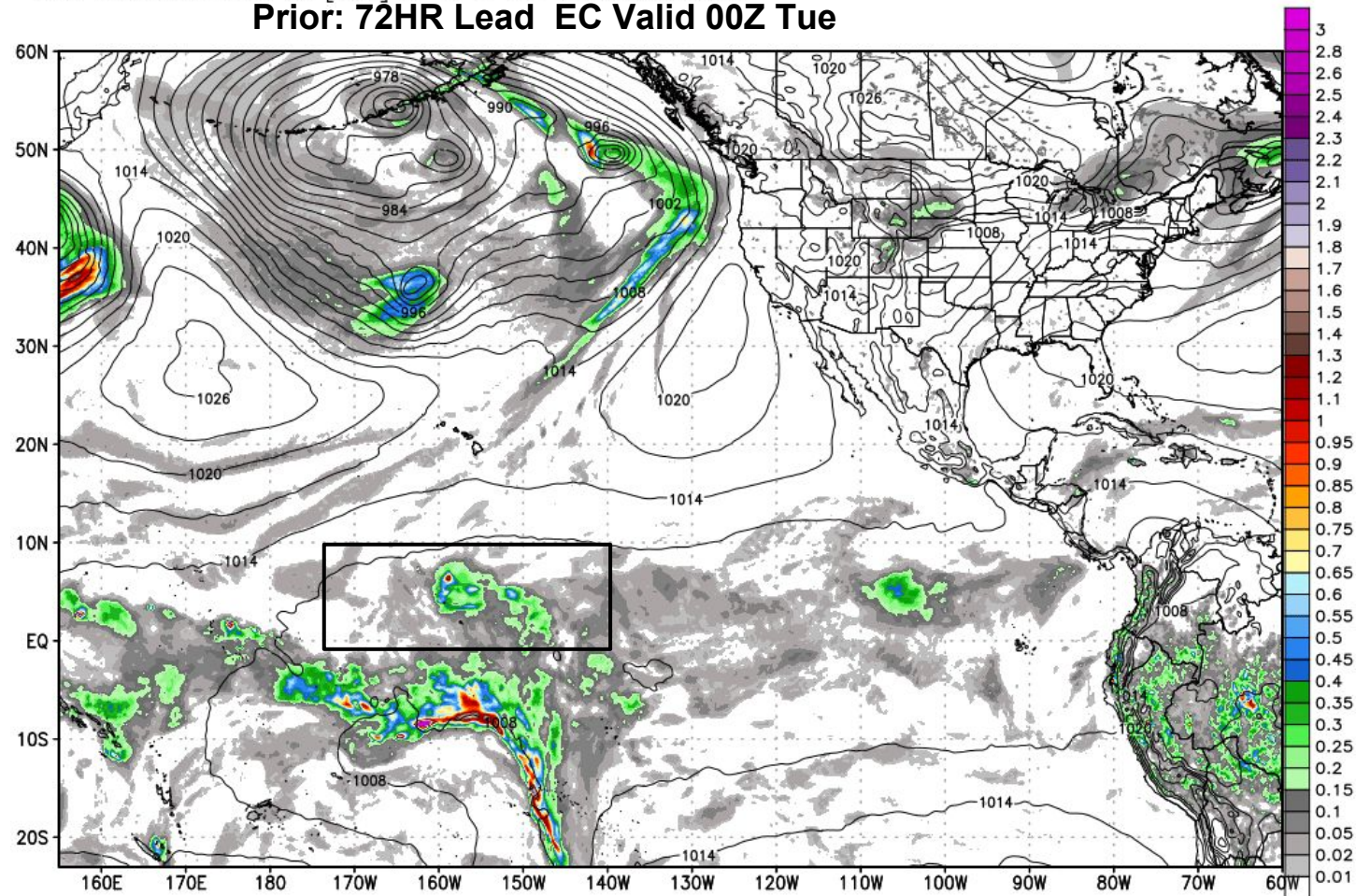


GPM 3Hr Pcpn: Ending 09Z Mon



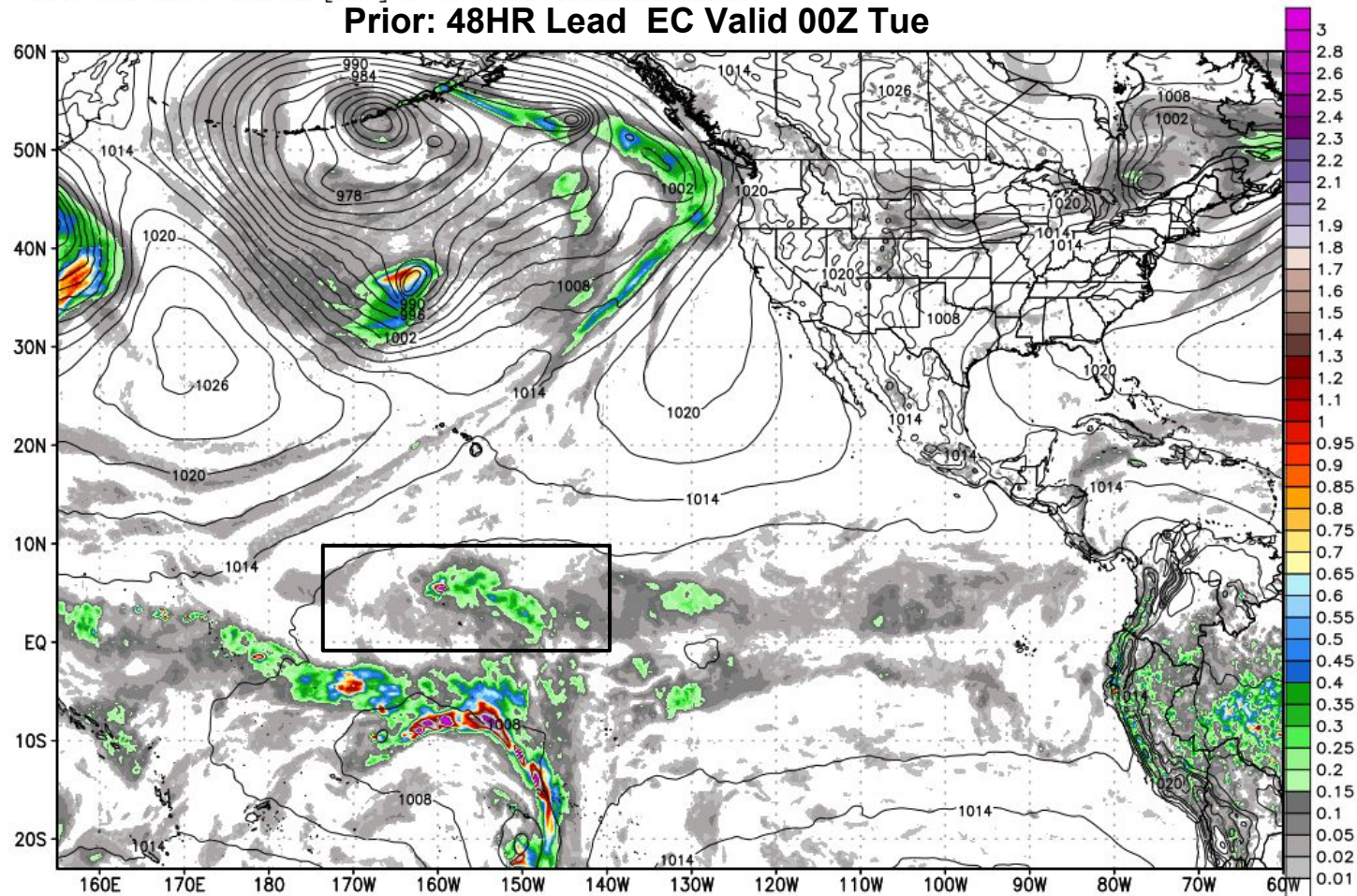
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 00Z27FEB2016 fx: [072] hr --> Tue 00Z01MAR2016

Prior: 72HR Lead EC Valid 00Z Tue



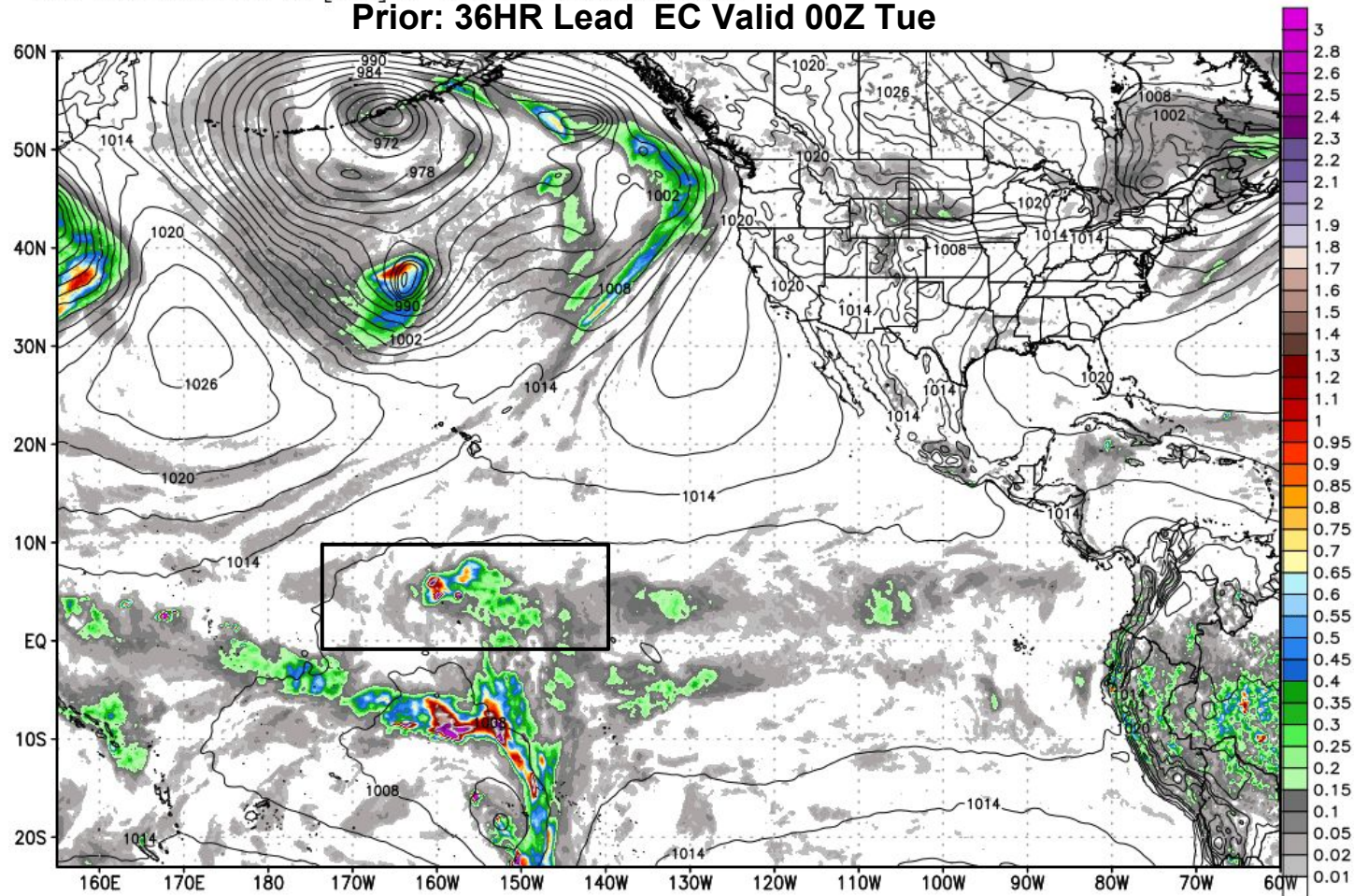
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 00Z28FEB2016 fx: [048] hr --> Tue 00Z01MAR2016

Prior: 48HR Lead EC Valid 00Z Tue



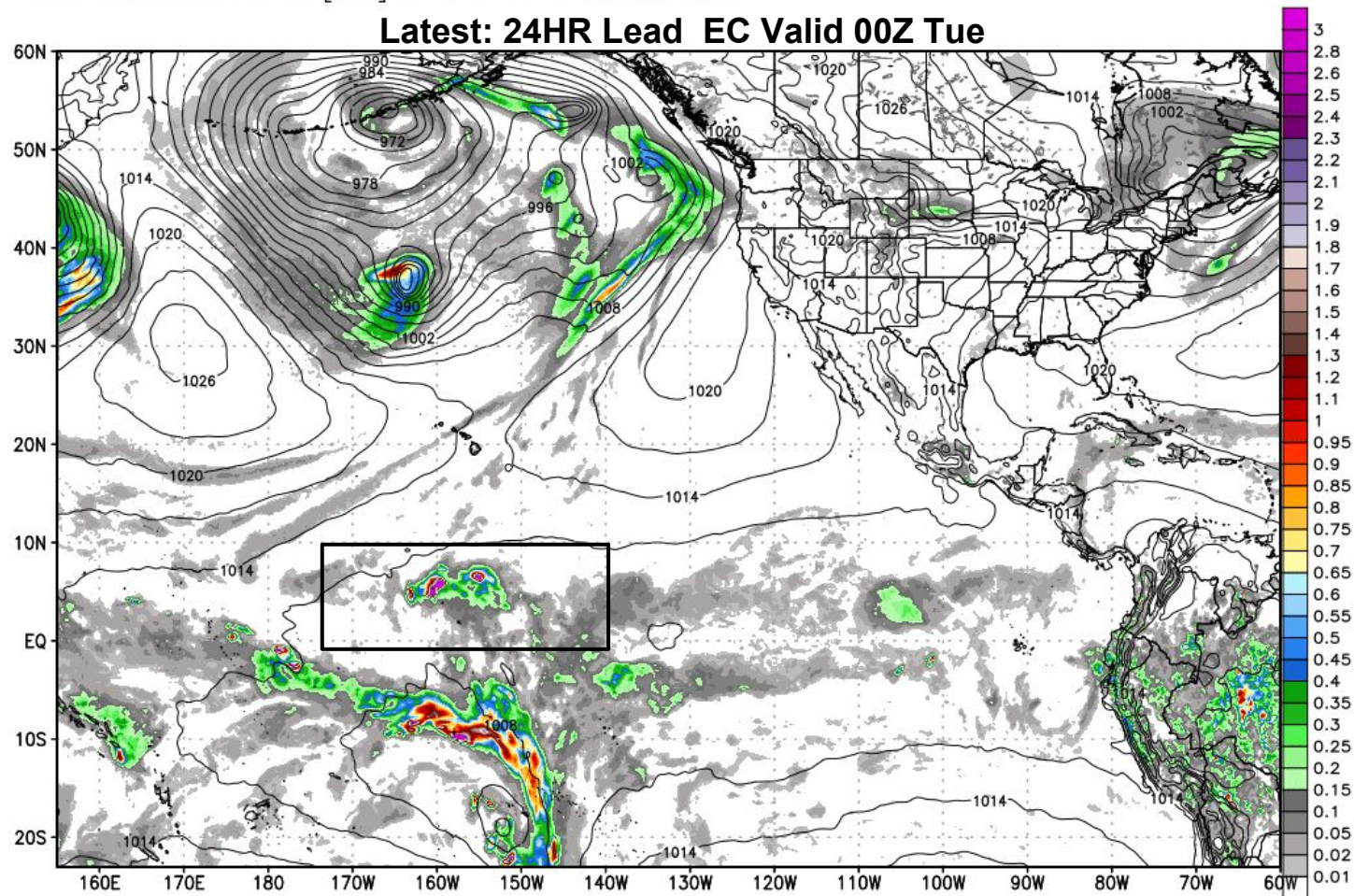
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 12Z28FEB2016 fx: [036] hr --> Tue 00Z01MAR2016

Prior: 36HR Lead EC Valid 00Z Tue



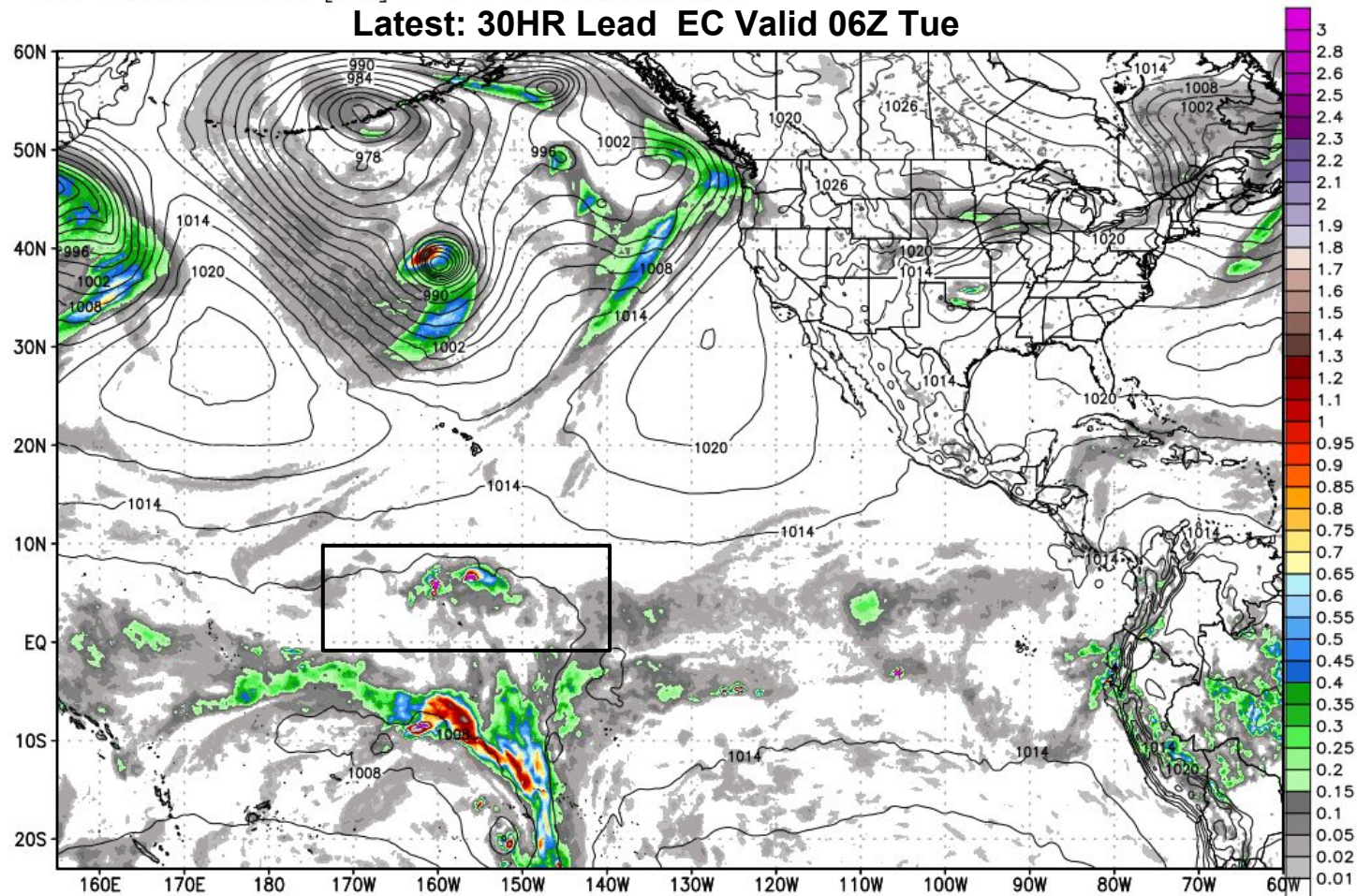
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 00Z29FEB2016 fx: [024] hr --> Tue 00Z01MAR2016

Latest: 24HR Lead EC Valid 00Z Tue



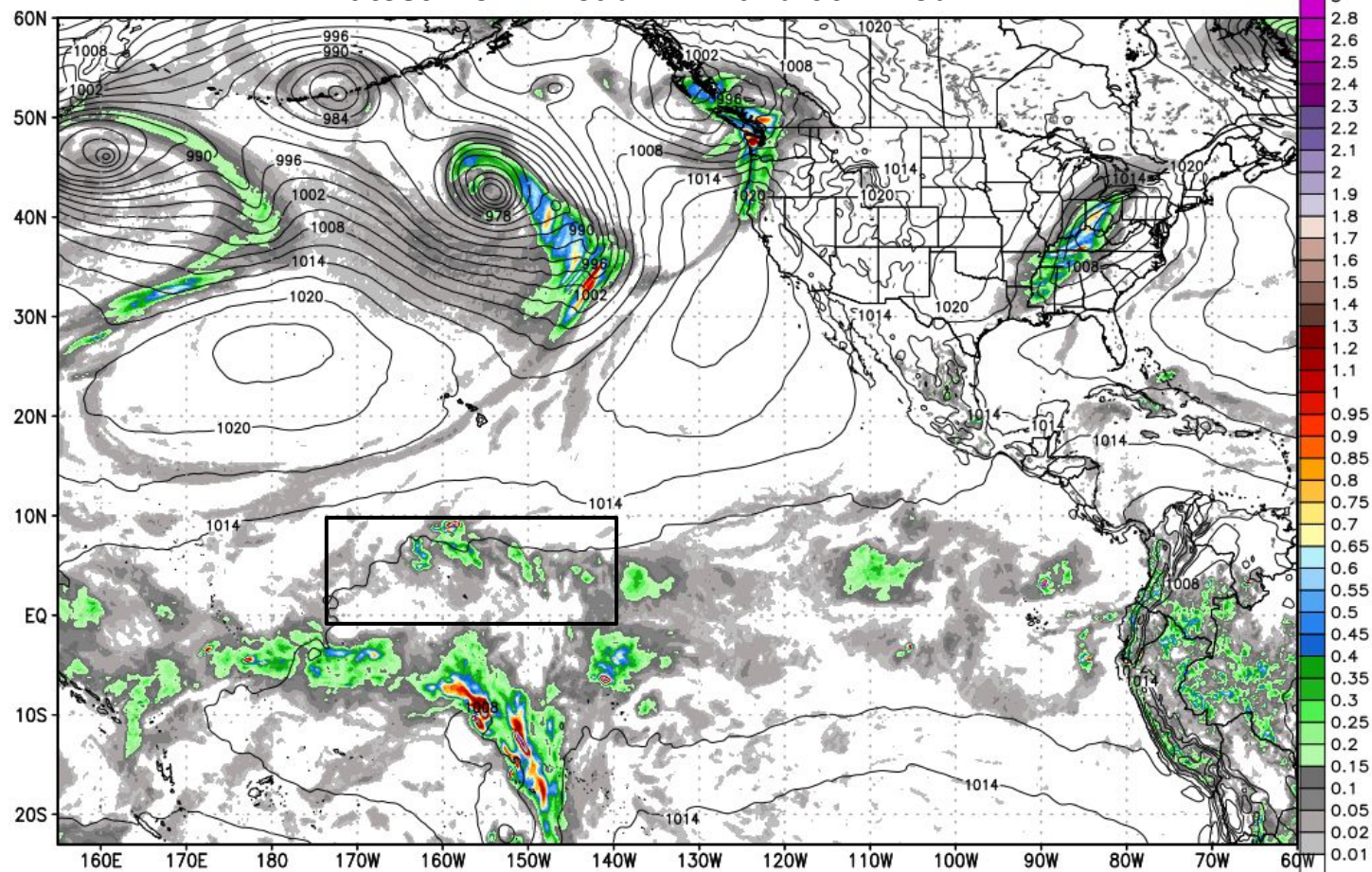
ECMWF 6-hourly Precipitation [inches] between 00Z01MAR2016 -- 06Z01MAR2016 & MSLP [hPa]
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Latest: 30HR Lead EC Valid 06Z Tue



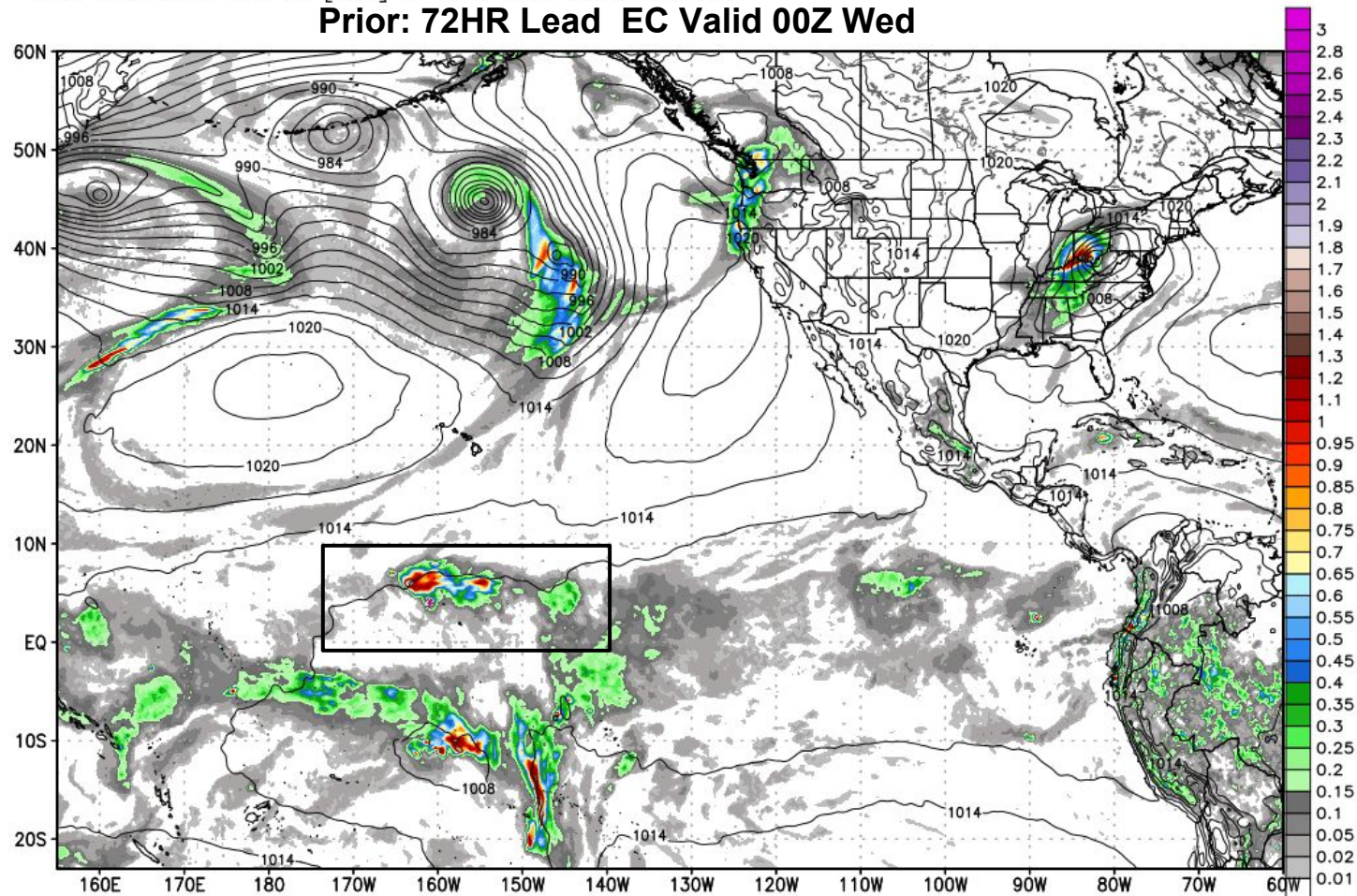
ECMWF 6-hourly Precipitation [inches] between 18Z01MAR2016 -- 00Z02MAR2016 & MSLP [hPa]
INIT: 00Z29FEB2016 fx: [048] hr --> Wed 00Z02MAR2016

Latest: 48HR Lead EC Valid 00Z Wed

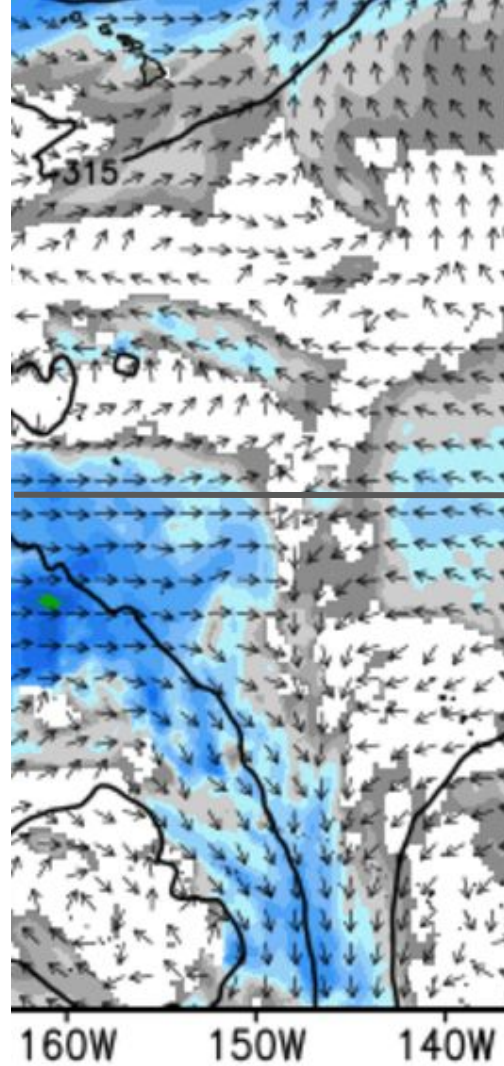


ECMWF 6-hourly Precipitation [inches] between 18Z01MAR2016 -- 00Z02MAR2016 & MSLP [hPa]
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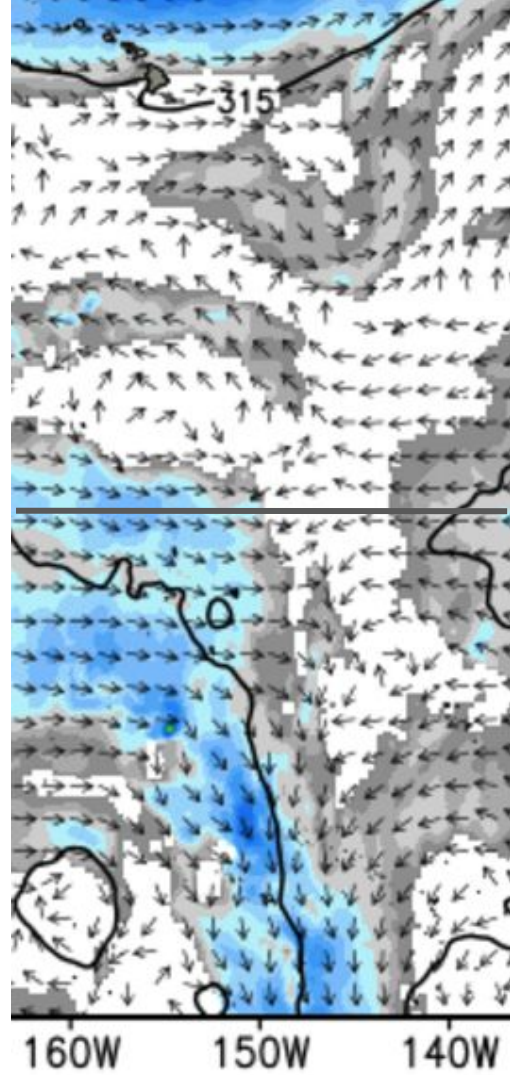
Prior: 72HR Lead EC Valid 00Z Wed



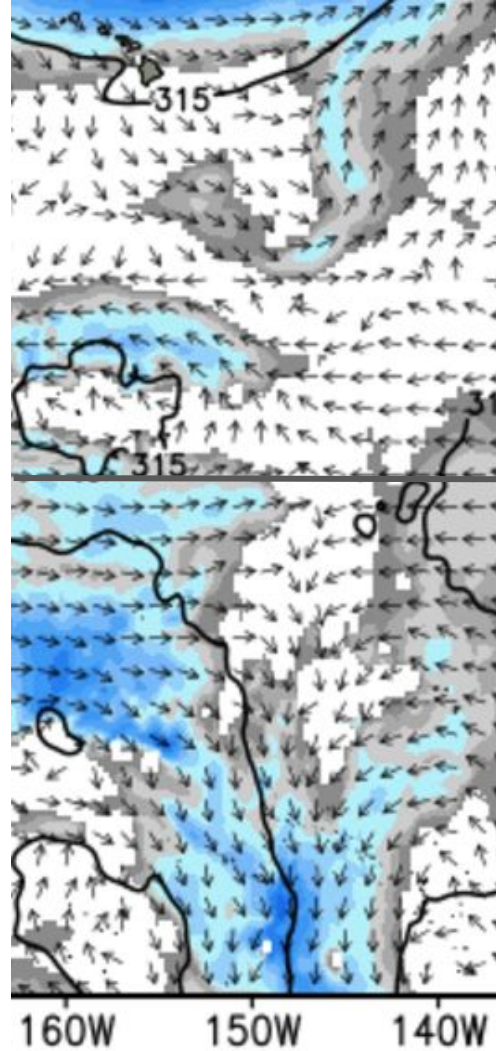
EC 700winds, 06Z TUE



EC 700winds, 00Z WED

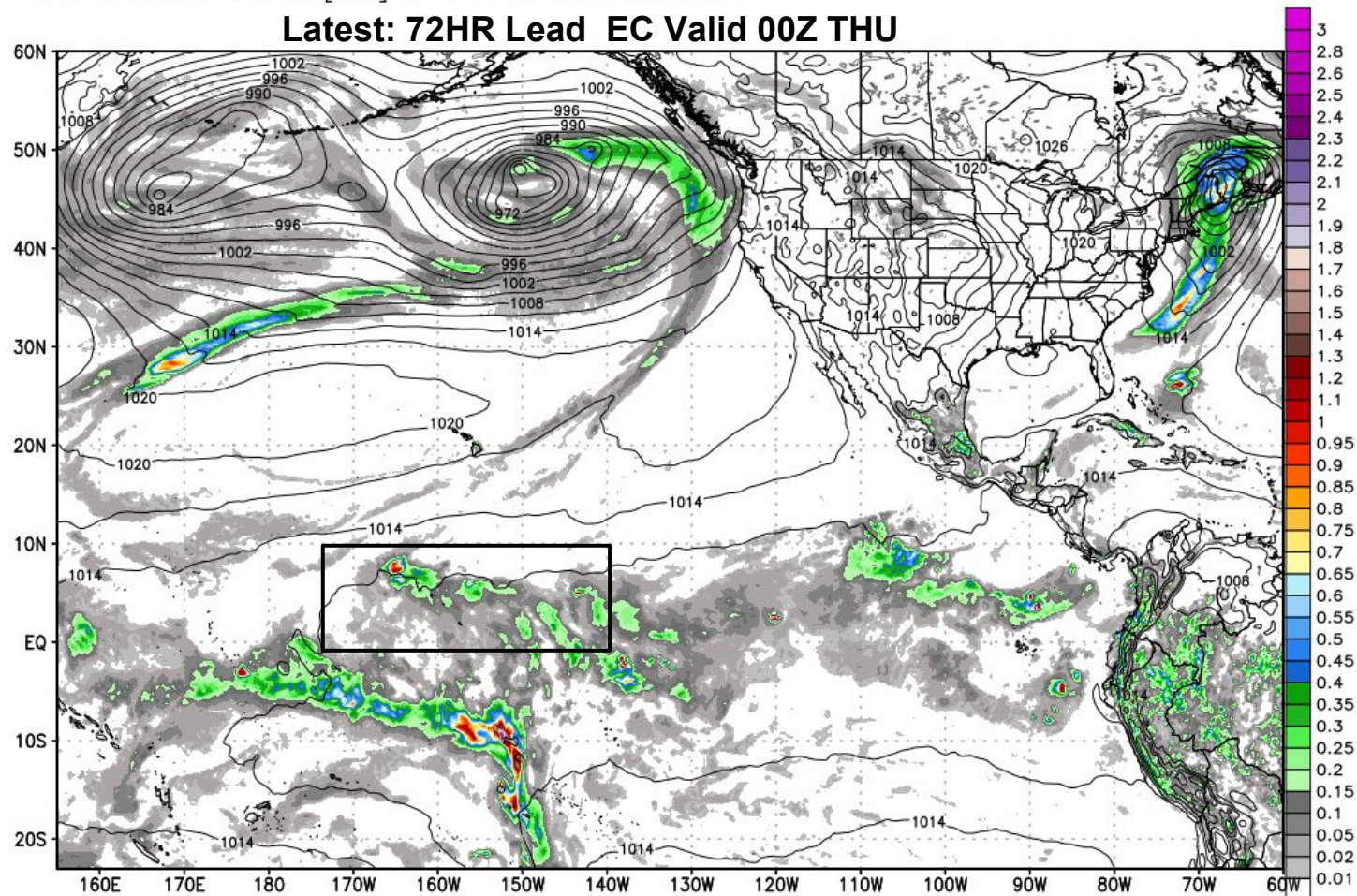


Prior EC 700winds, 00Z WED



ECMWF 6-hourly Precipitation [inches] between 18Z02MAR2016 -- 00Z03MAR2016 & MSLP [hPa]
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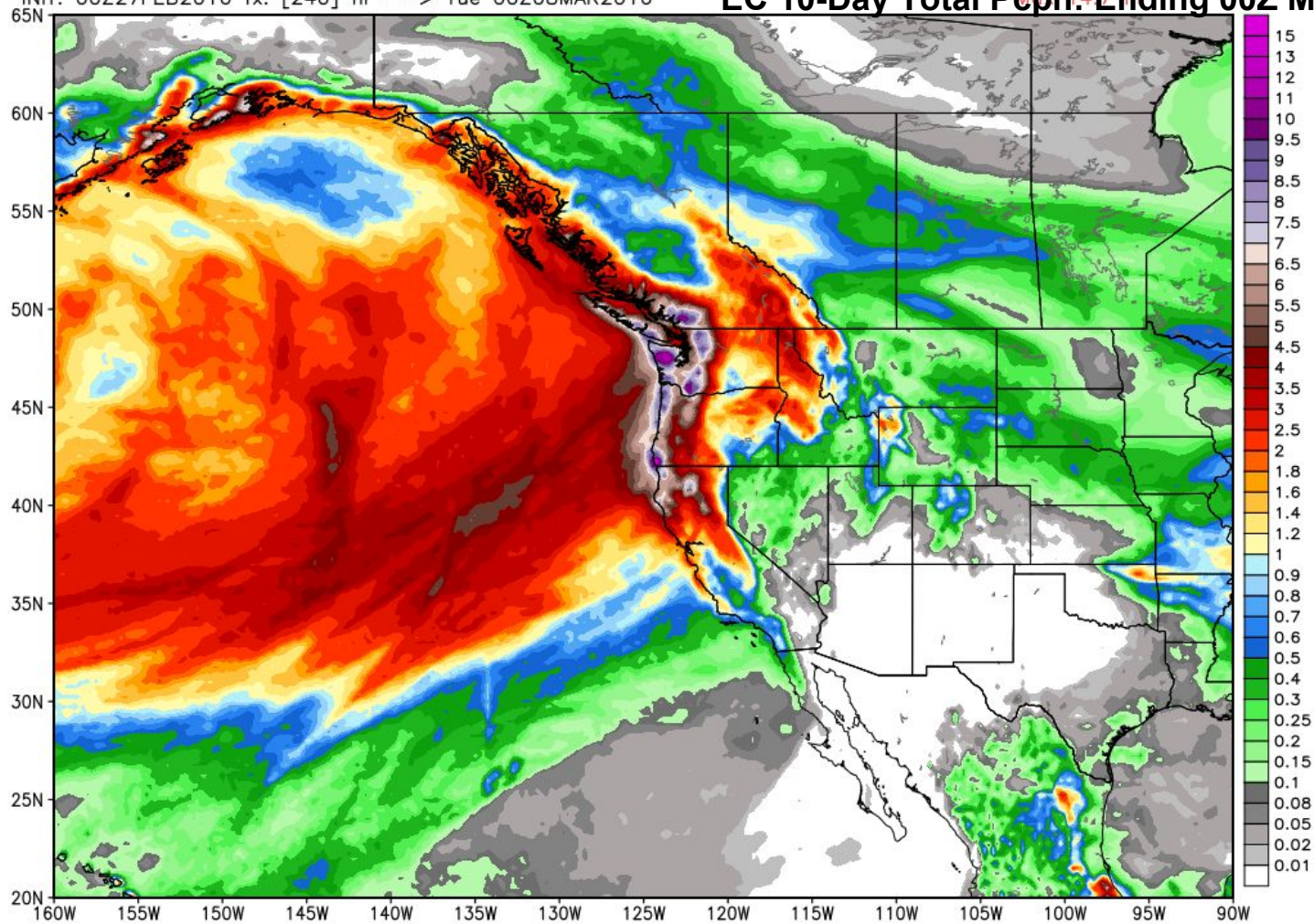
Latest: 72HR Lead EC Valid 00Z THU



ECMWF Total Precipitation [inches] between 00Z27FEB2016 -- 00Z08MAR2016

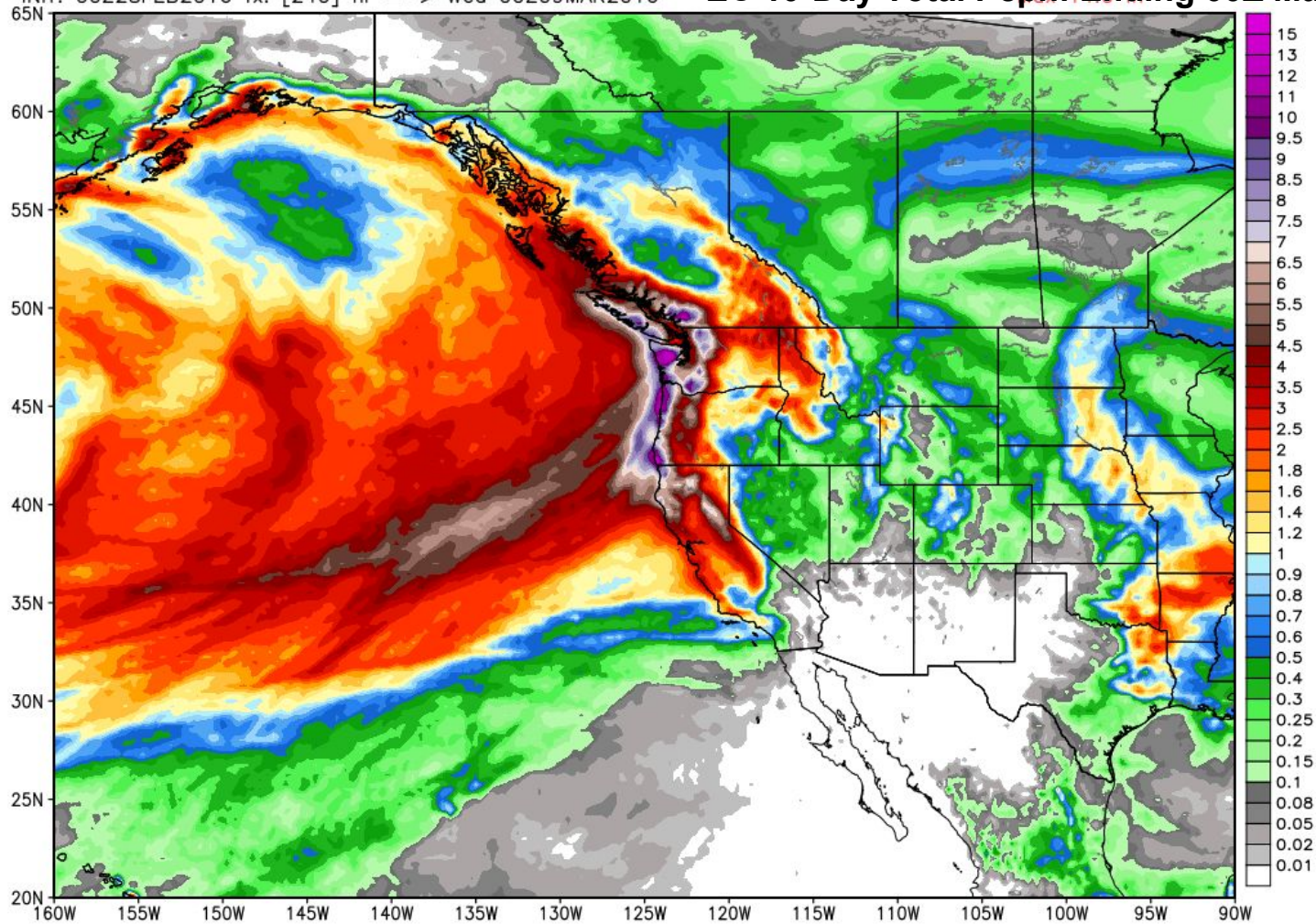
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EC 10-Day Total Pcpn: Ending 00Z Mar 8



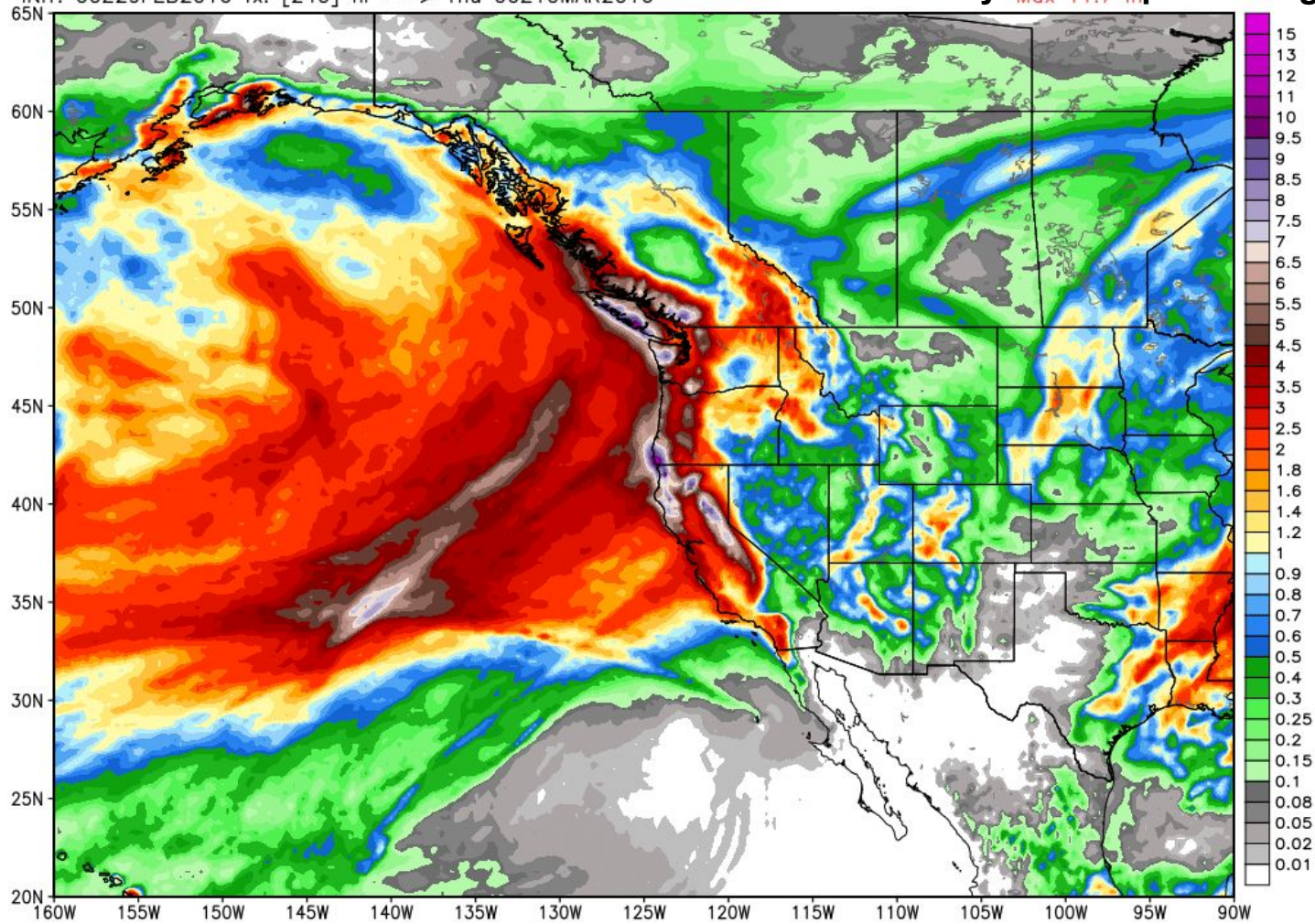
ECMWF Total Precipitation [inches] between 00Z28FEB2016 -- 00Z09MAR2016
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EC 10-Day Total Pcpn: Ending 00Z Mar 9

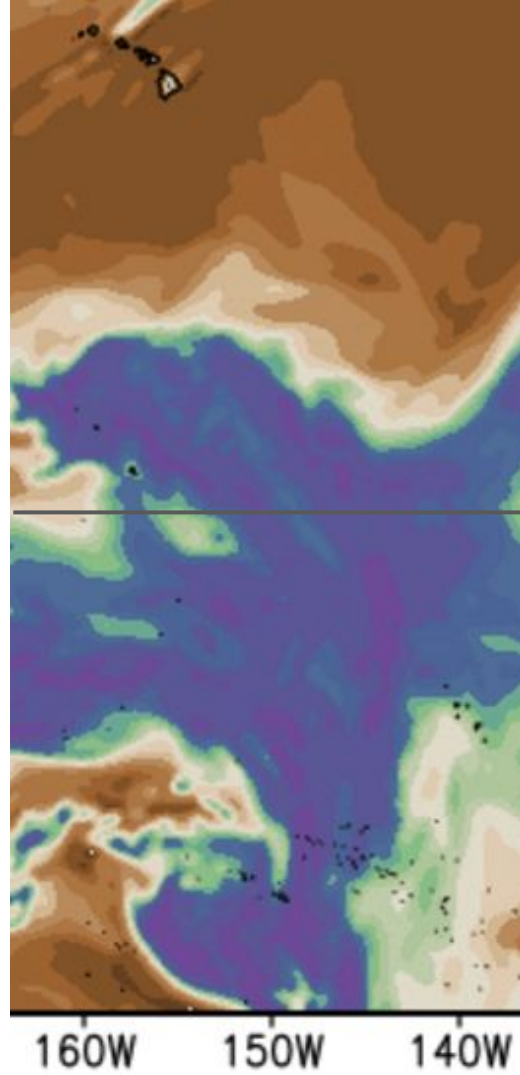


ECMWF Total Precipitation [inches] between 00Z29FEB2016 -- 00Z10MAR2016
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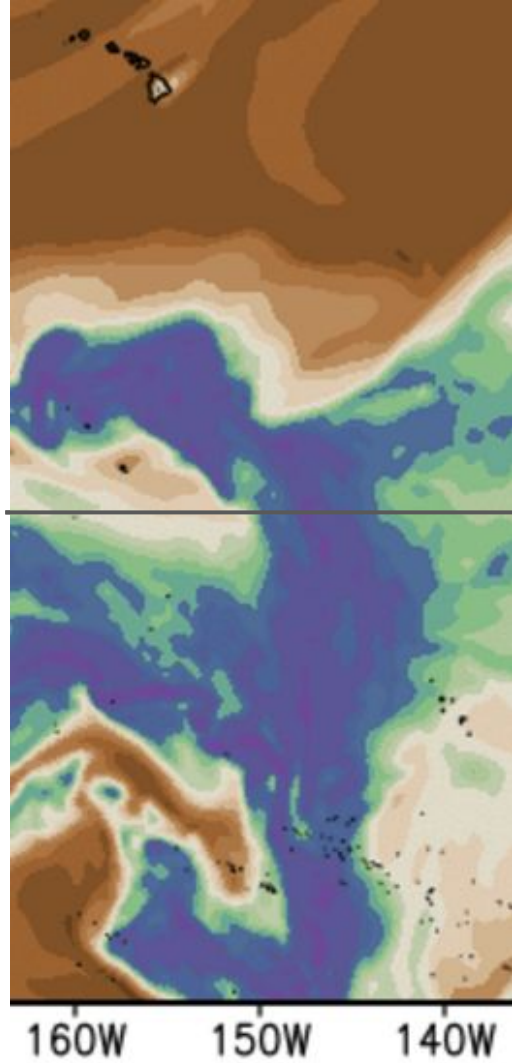
EC 10-Day Total Pcpn: Ending 00Z Mar 10



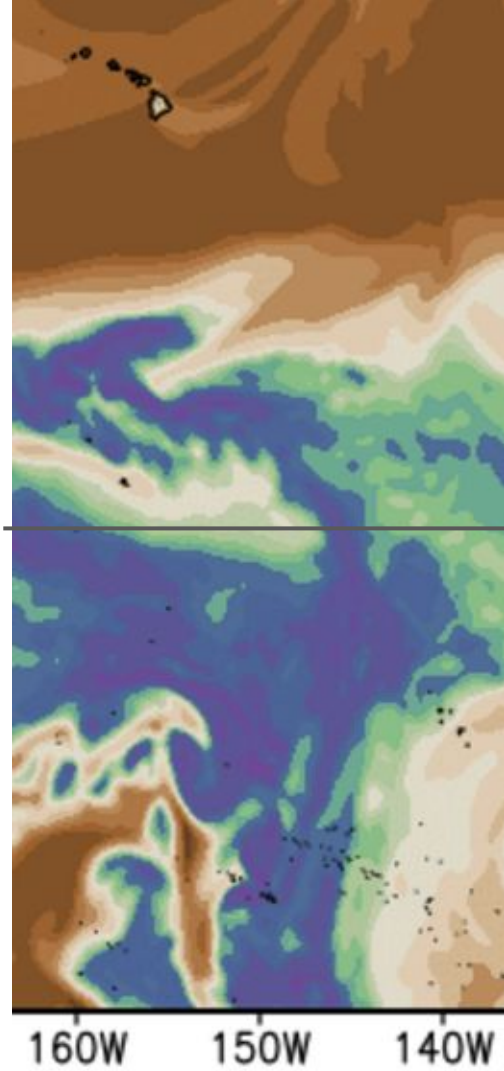
**GFS 700RH 12Z Mon
Analysis**



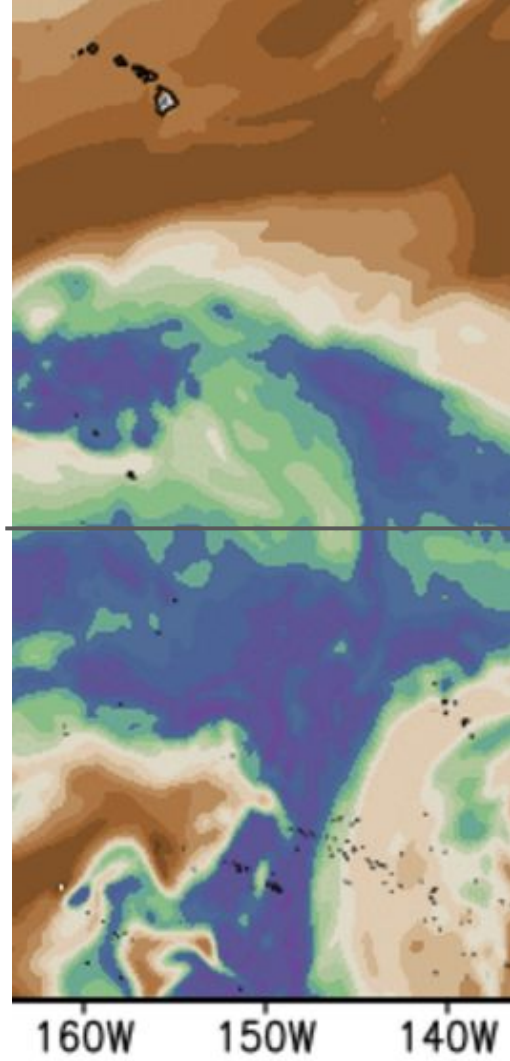
GFS 700RH 06Z Tue



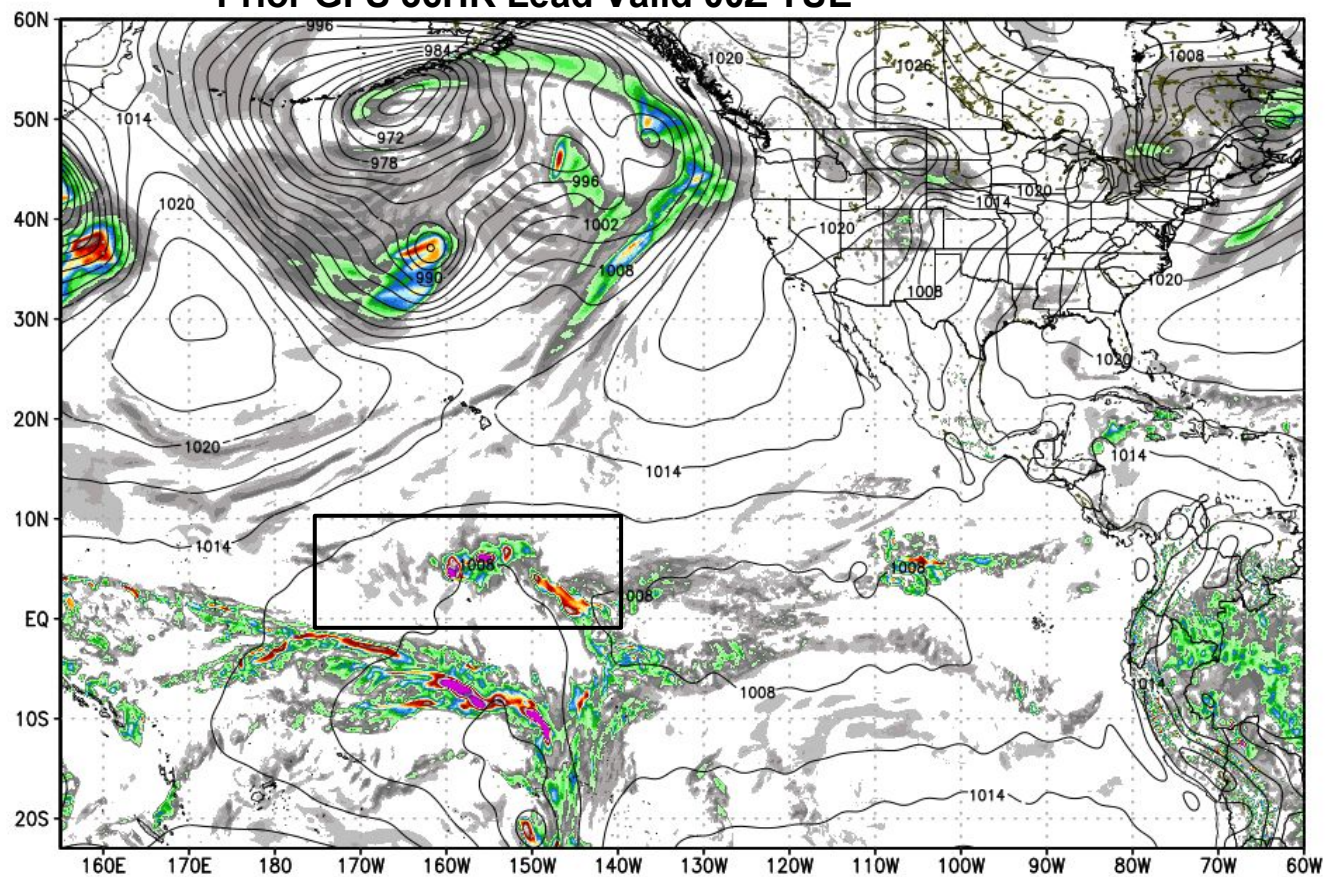
GFS 700RH 00Z Wed



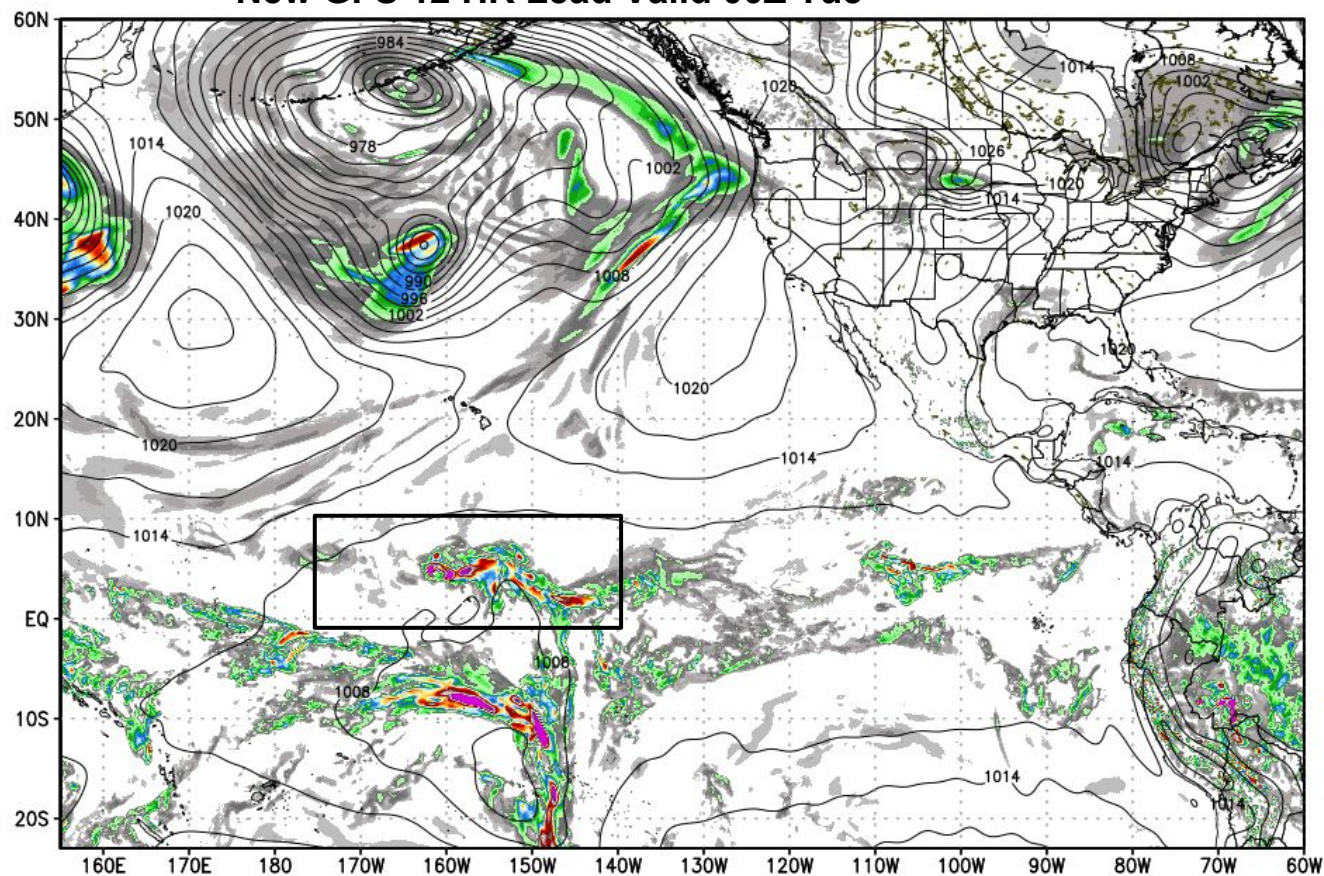
GFS 700RH 00Z Thu



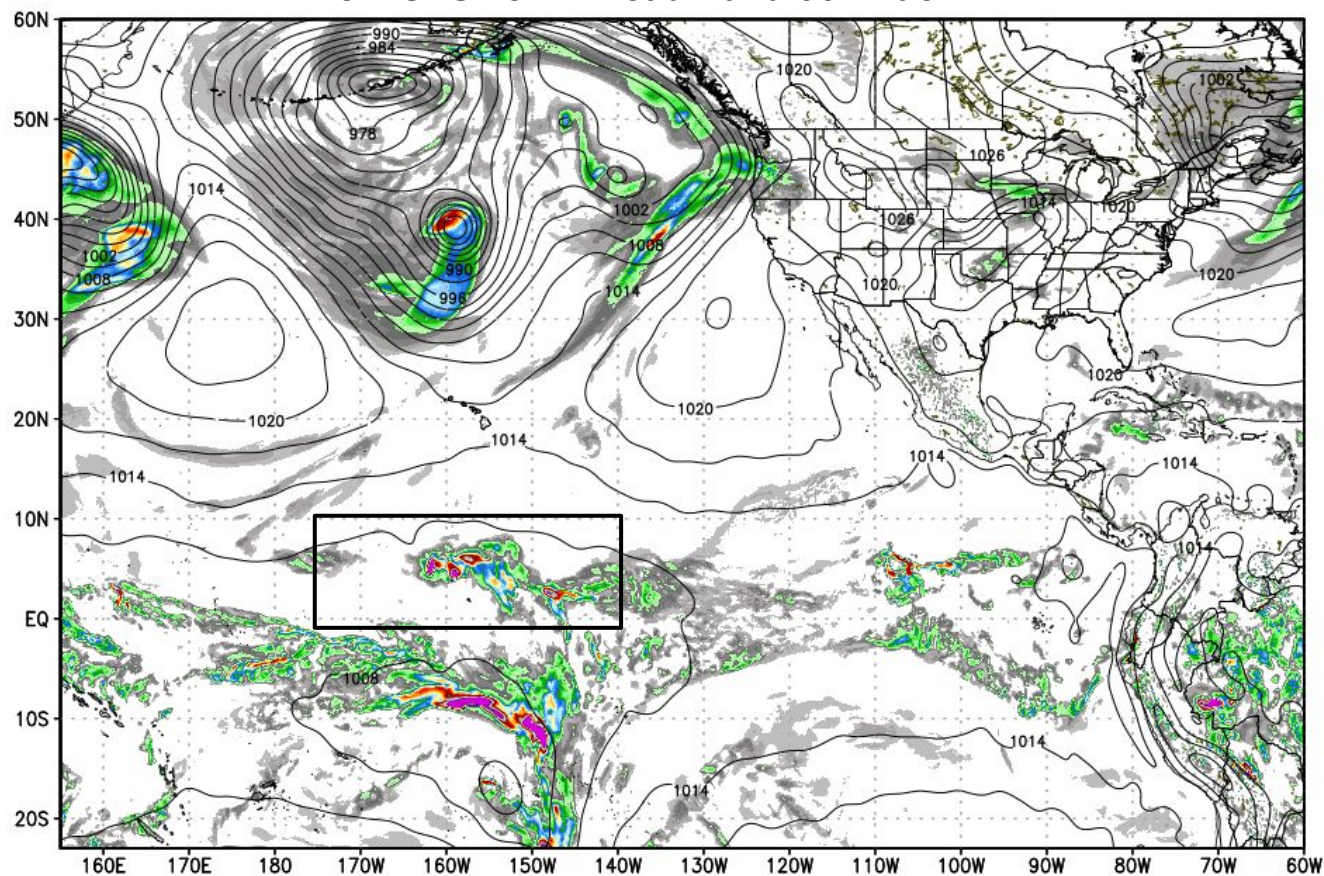
Prior GFS 36HR Lead Valid 00Z TUE



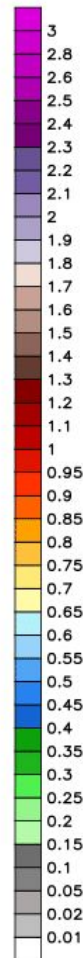
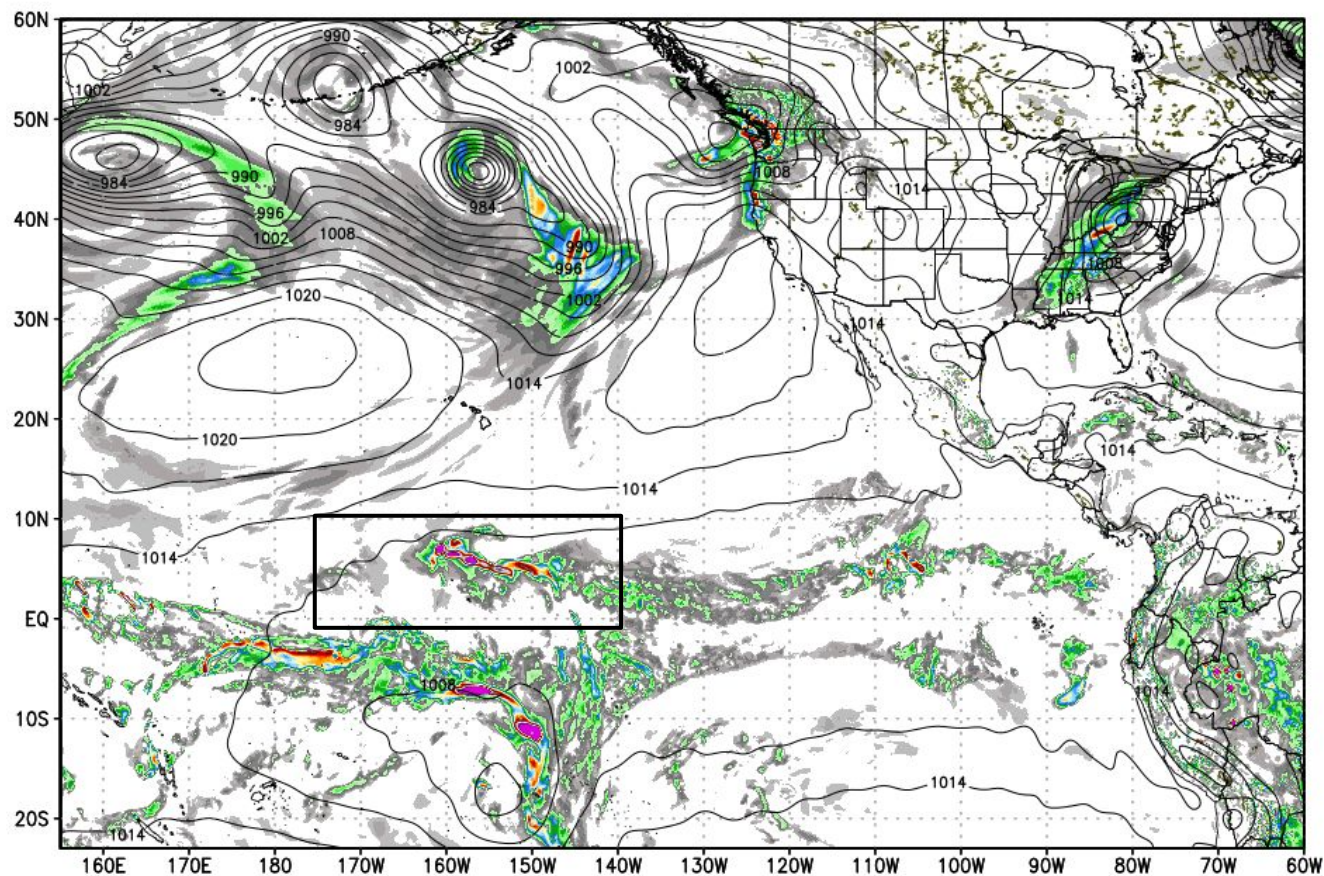
New GFS 12 HR Lead Valid 00Z Tue



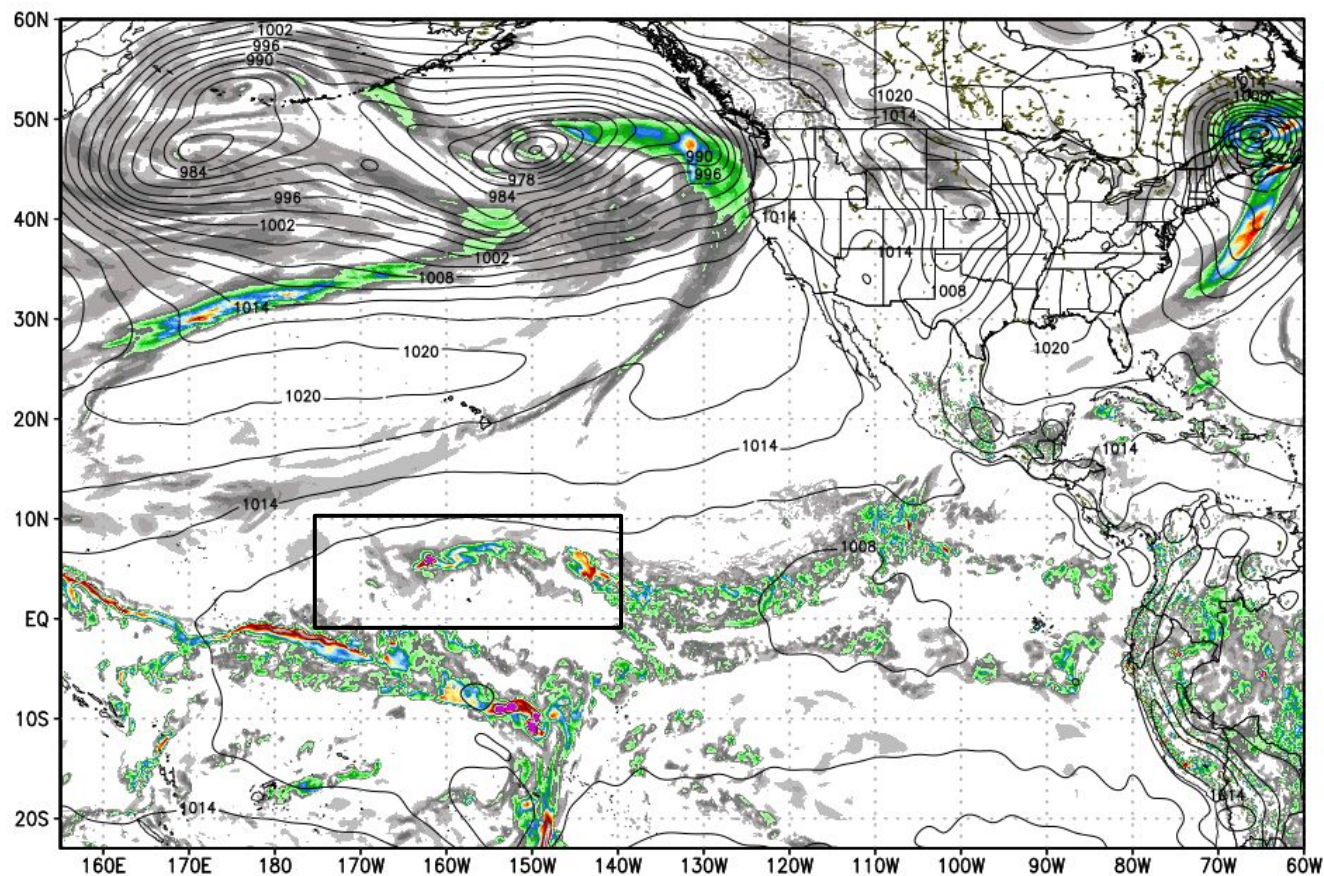
New GFS 18 HR Lead Valid 06Z Tue



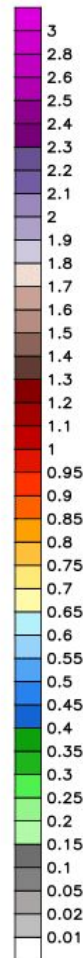
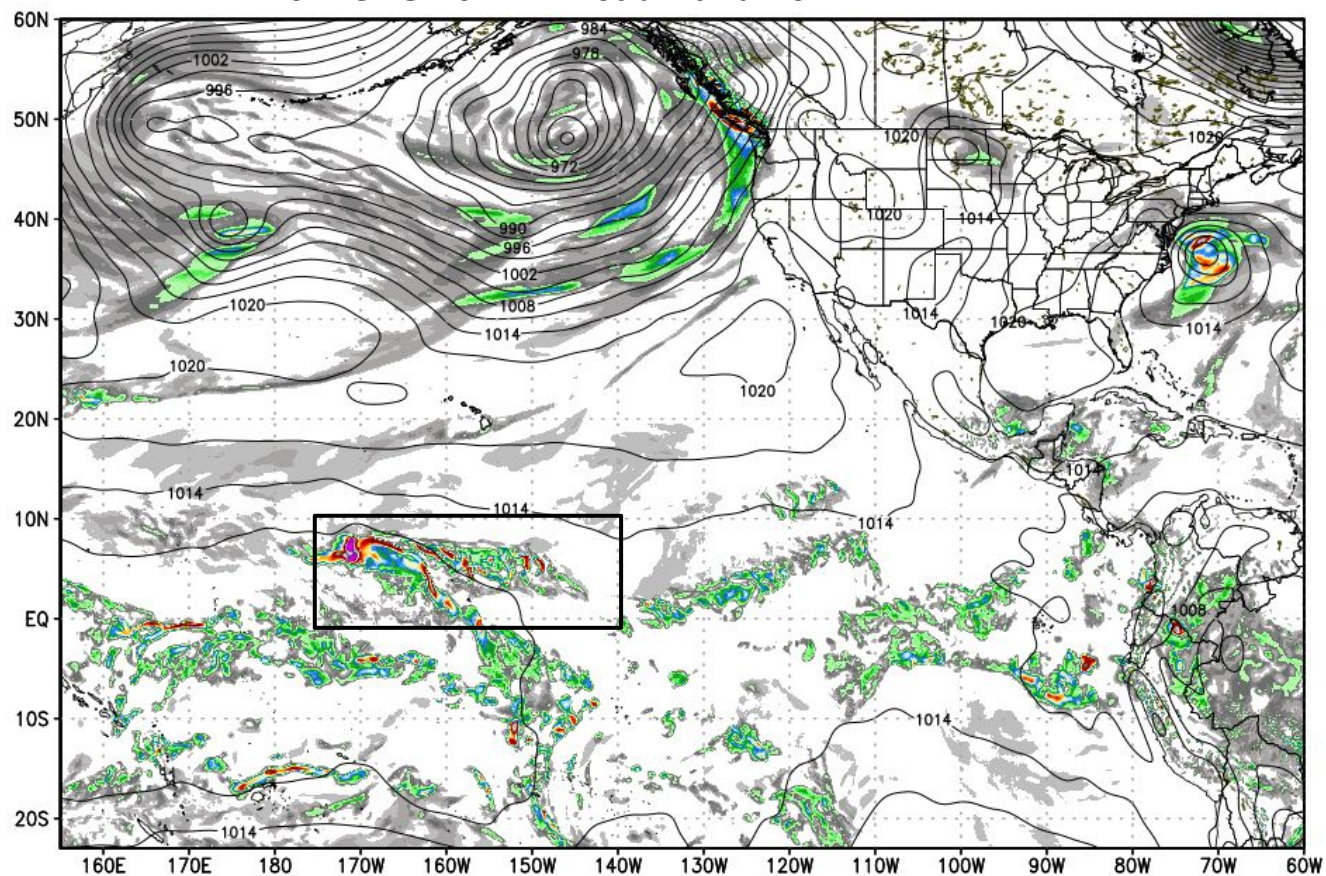
New GFS 36 HR Lead Valid 00Z WED



New GFS 60 HR Lead Valid 00Z THU

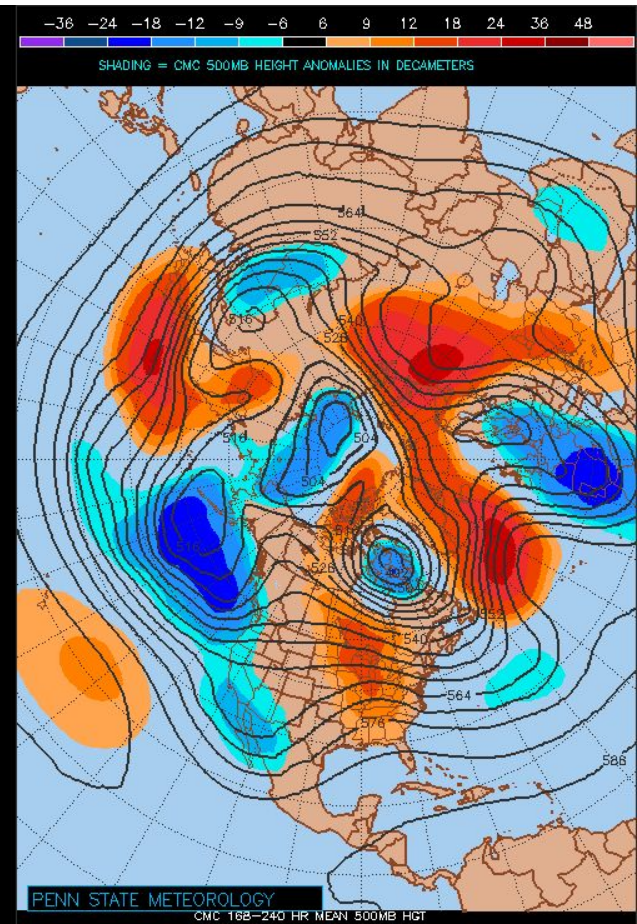
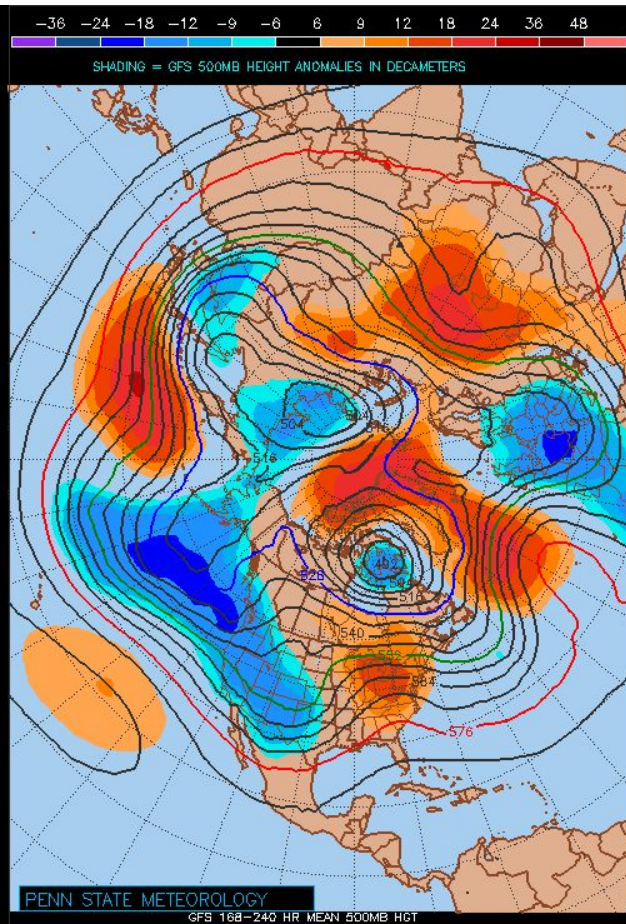
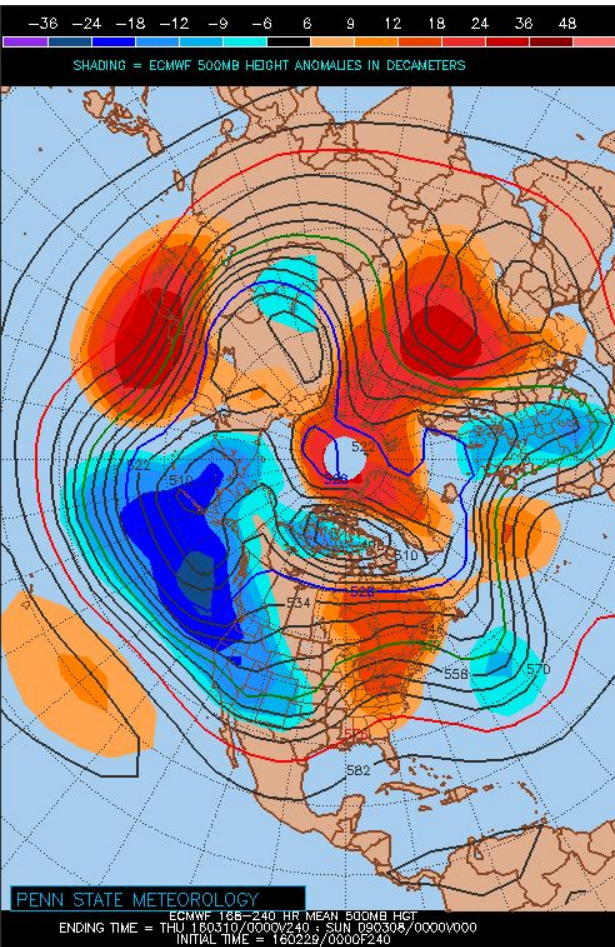


New GFS 102 HR Lead Valid 18Z FRI



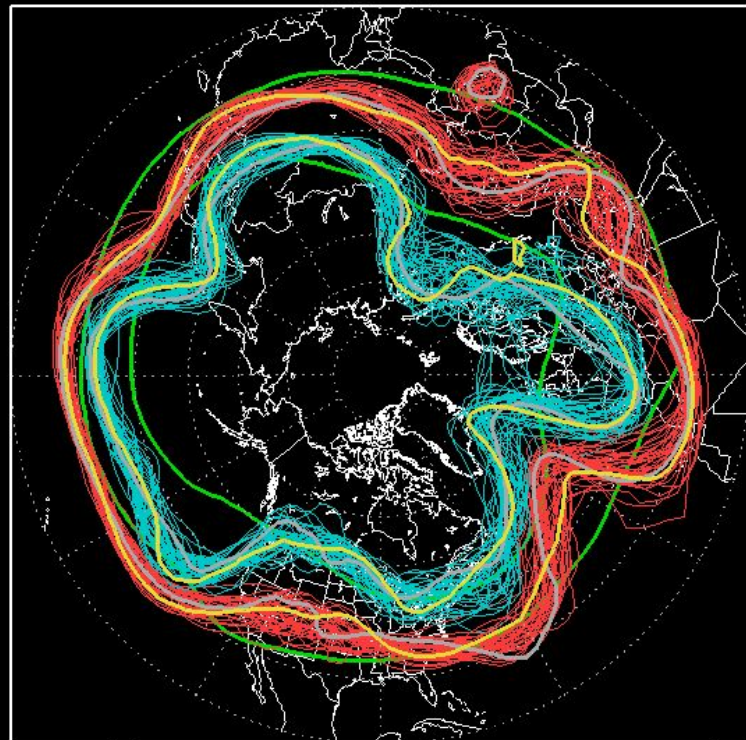
Medium - Long Range Forecast

Day 7-10 Initialized 00Z MON 29Feb



NCEP ENSEMBLE 500mb Z

144H Forecast from: 00Z Mon FEB,29 2016
Valid time: 00Z Sun MAR,06 2016

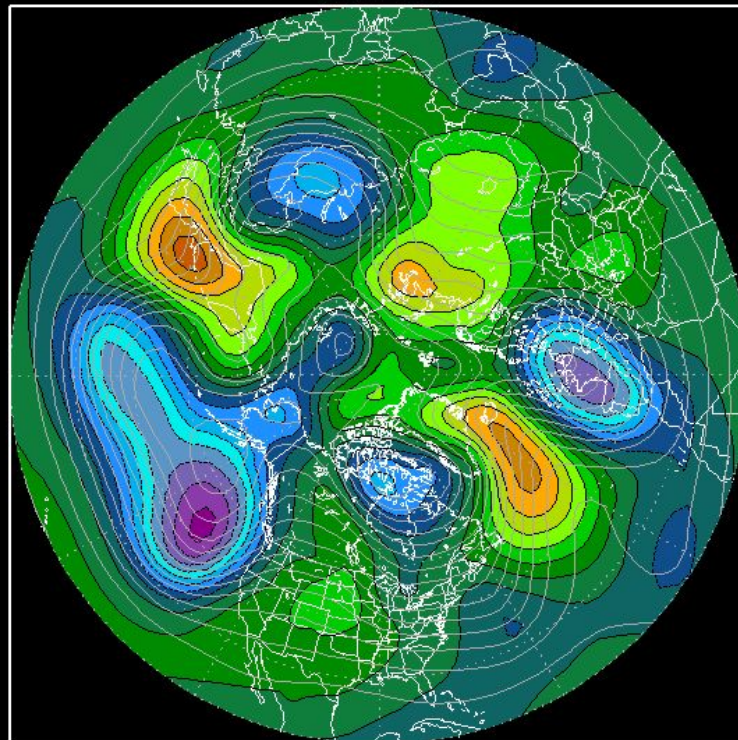


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

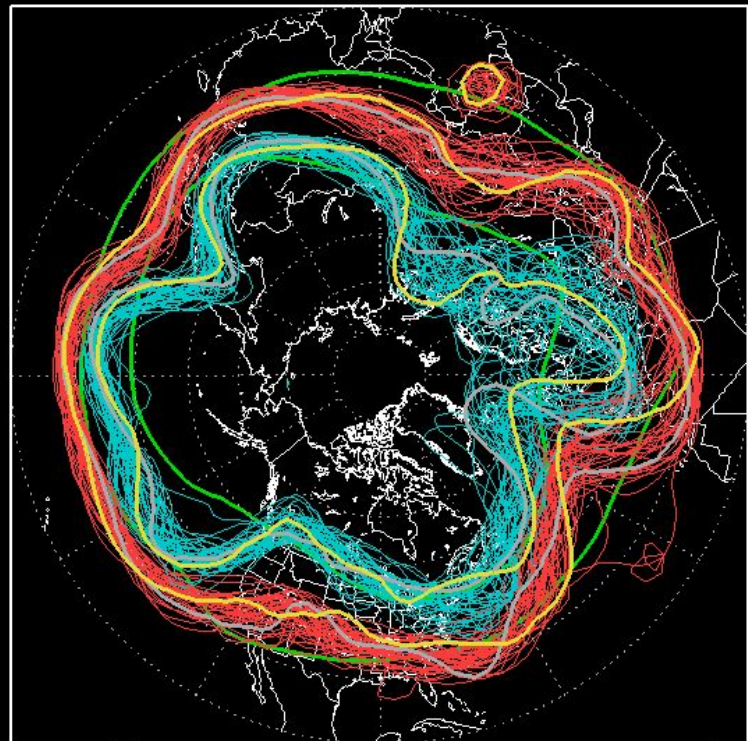
144H Forecast from: 00Z Mon FEB,29 2016
Valid time: 00Z Sun MAR,06 2016



-360 -280 -200 -120 -40 40 120 200 280 360

NCEP ENSEMBLE 500mb Z

168H Forecast from: 00Z Sun FEB,28 2016
Valid time: 00Z Sun MAR,06 2016

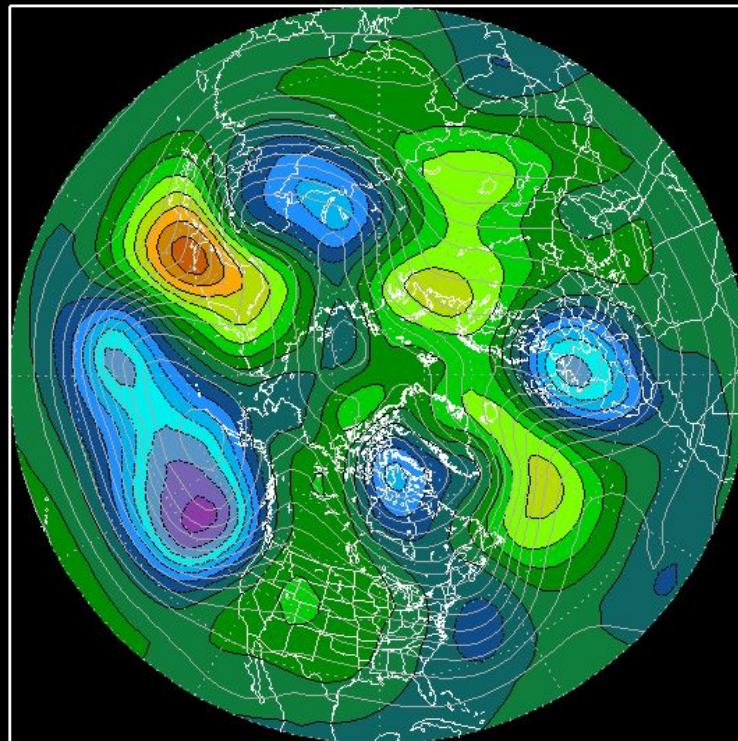


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

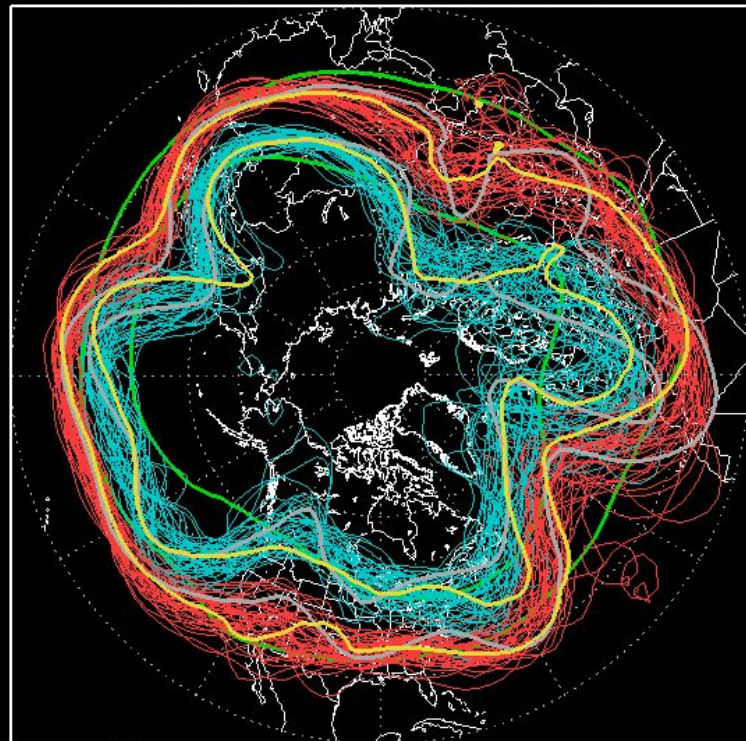
168H Forecast from: 00Z Sun FEB,28 2016
Valid time: 00Z Sun MAR,06 2016



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NCEP ENSEMBLE 500mb Z

192H Forecast from: 00Z Sat FEB,27 2016
Valid time: 00Z Sun MAR,06 2016

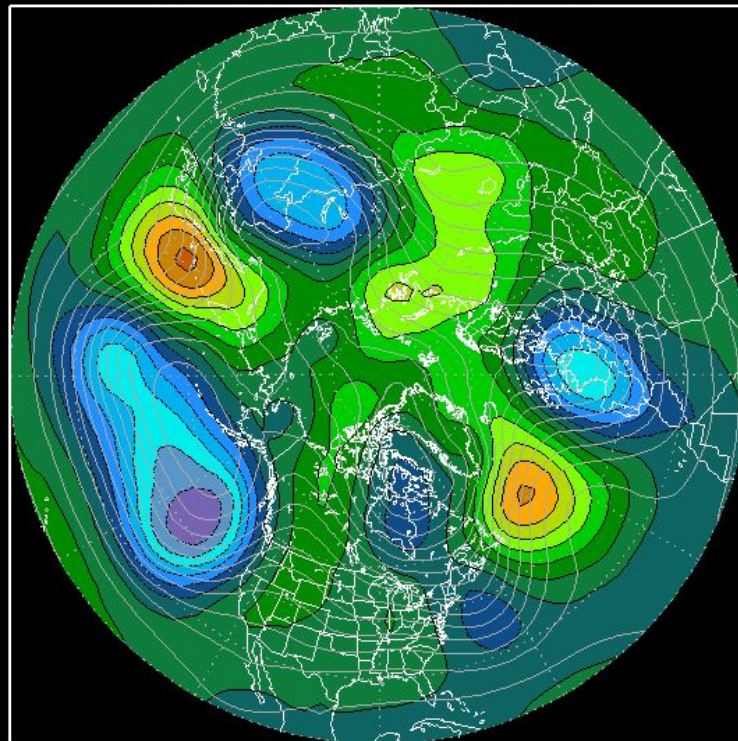


00z Runs:(21) 12z Runs:(21)

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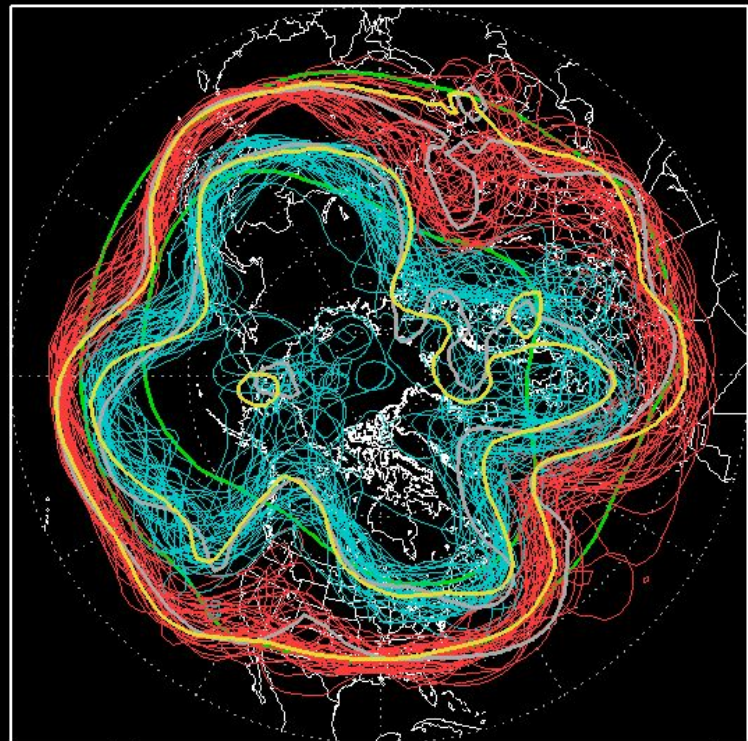
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

192H Forecast from: 00Z Sat FEB,27 2016
Valid time: 00Z Sun MAR,06 2016



NCEP ENSEMBLE 500mb Z

216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016

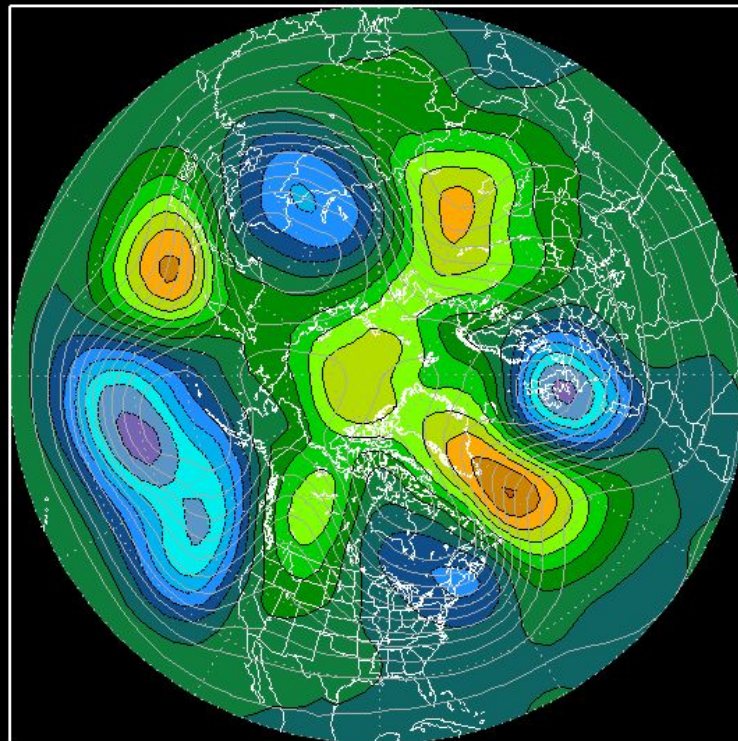


00z Runs:(21) 12z Runs:(21)

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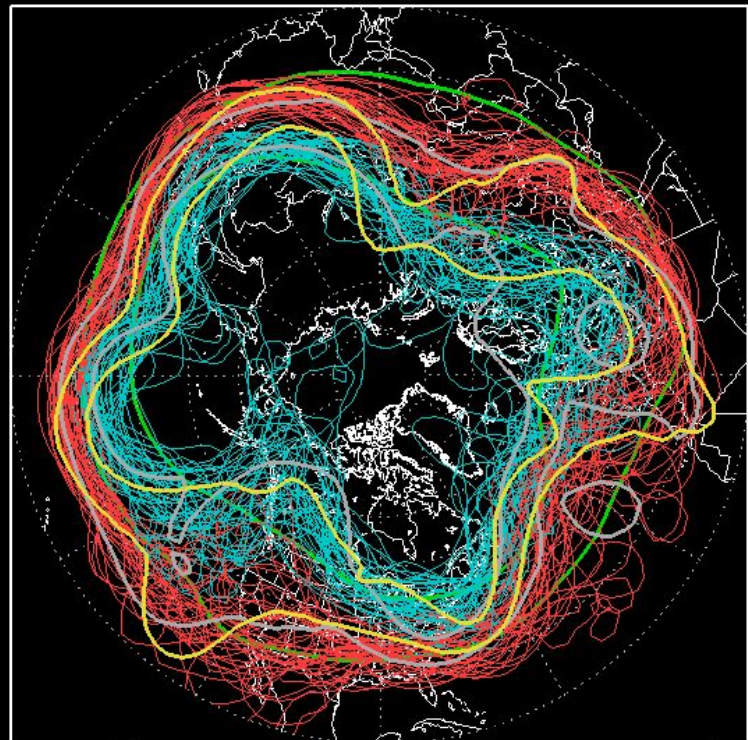
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016



NCEP ENSEMBLE 500mb Z

264H Forecast from: 00Z Wed FEB,24 2016
Valid time: 00Z Sun MAR,06 2016

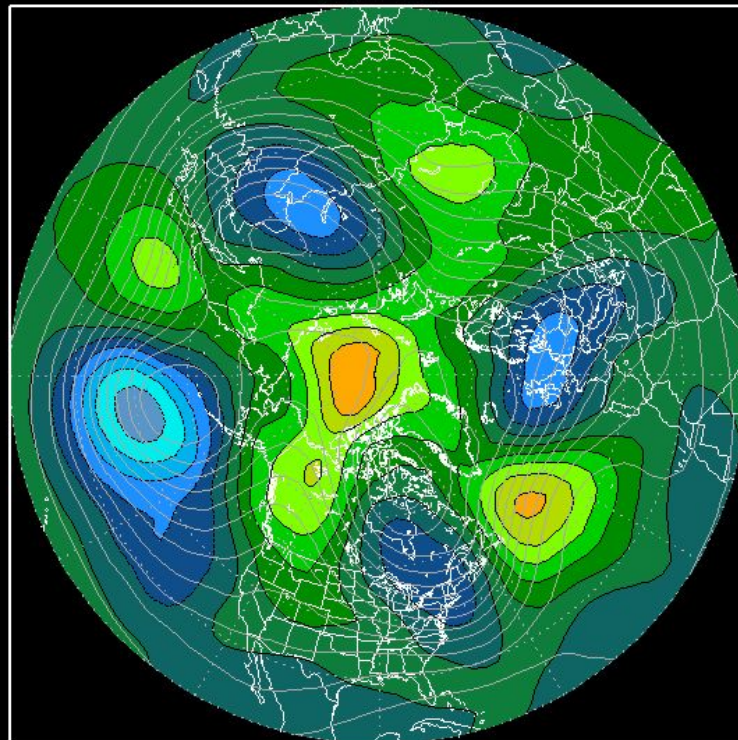


00z Runs:(21) 12z Runs:(21)

— 5460m — 5700m — Cntrl 00z — Cntrl 12z — CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

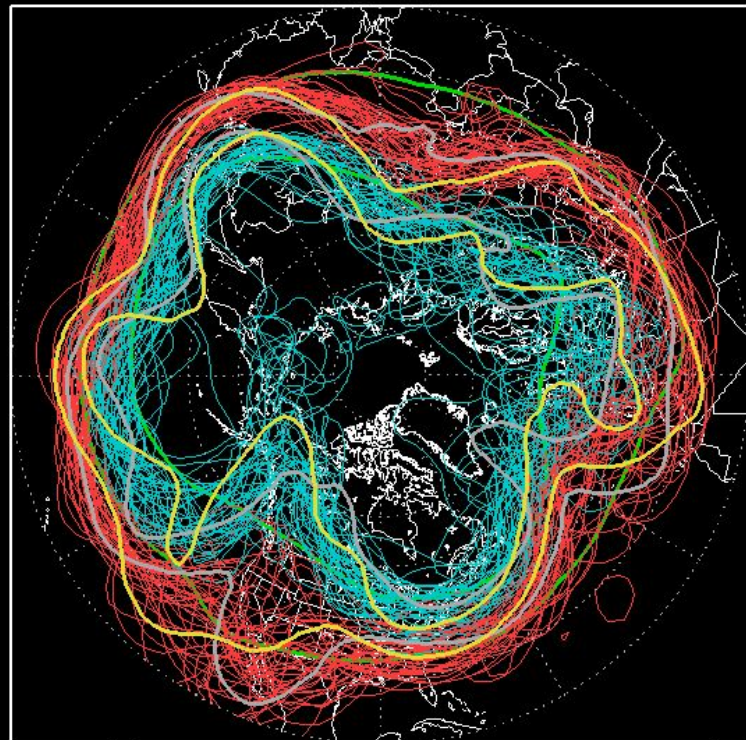
264H Forecast from: 00Z Wed FEB,24 2016
Valid time: 00Z Sun MAR,06 2016



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NCEP ENSEMBLE 500mb Z

288H Forecast from: 00Z Tue FEB,23 2016
Valid time: 00Z Sun MAR,06 2016

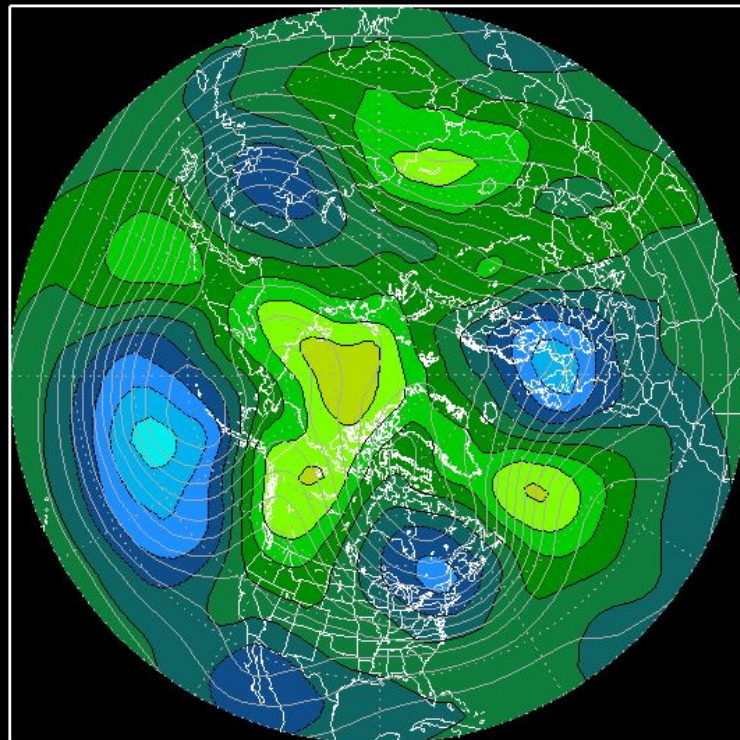


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

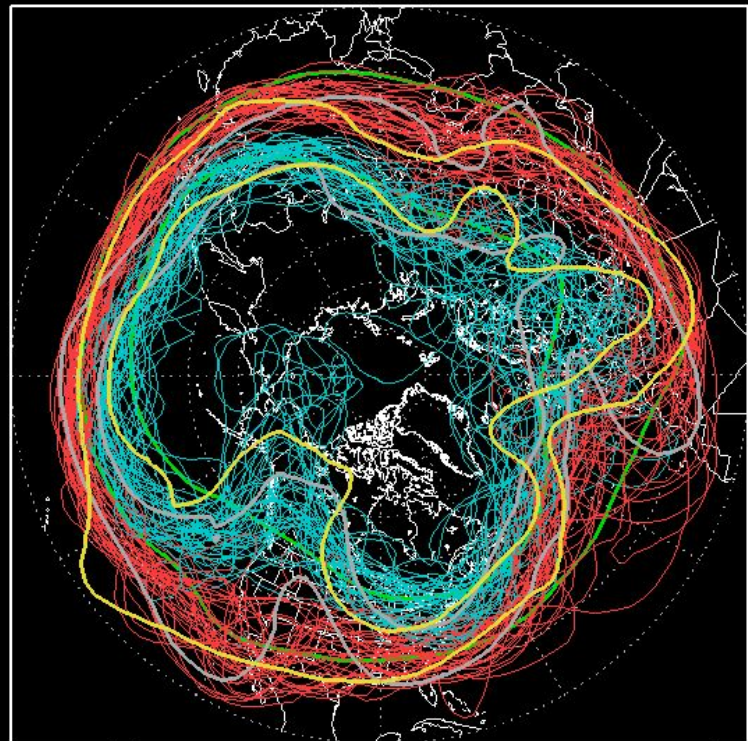
288H Forecast from: 00Z Tue FEB,23 2016
Valid time: 00Z Sun MAR,06 2016



-360 -280 -200 -120 -40 40 120 200 280 360

NCEP ENSEMBLE 500mb Z

312H Forecast from: 00Z Mon FEB,22 2016
Valid time: 00Z Sun MAR,06 2016

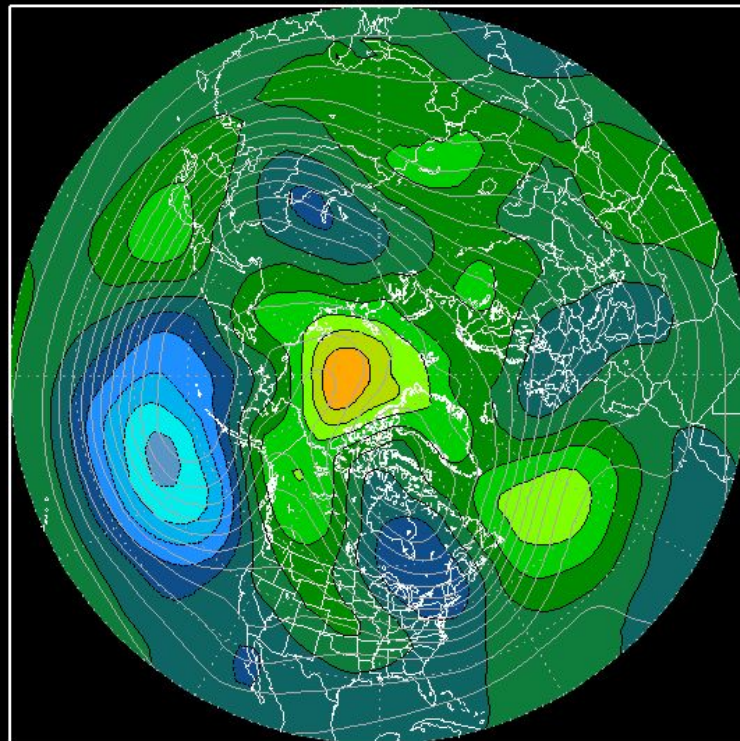


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

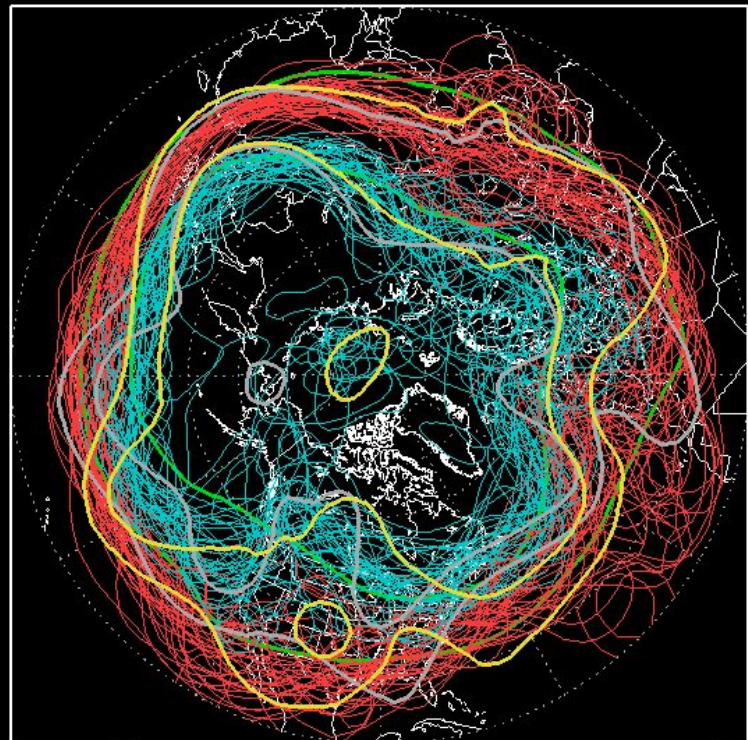
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

312H Forecast from: 00Z Mon FEB,22 2016
Valid time: 00Z Sun MAR,06 2016



NCEP ENSEMBLE 500mb Z

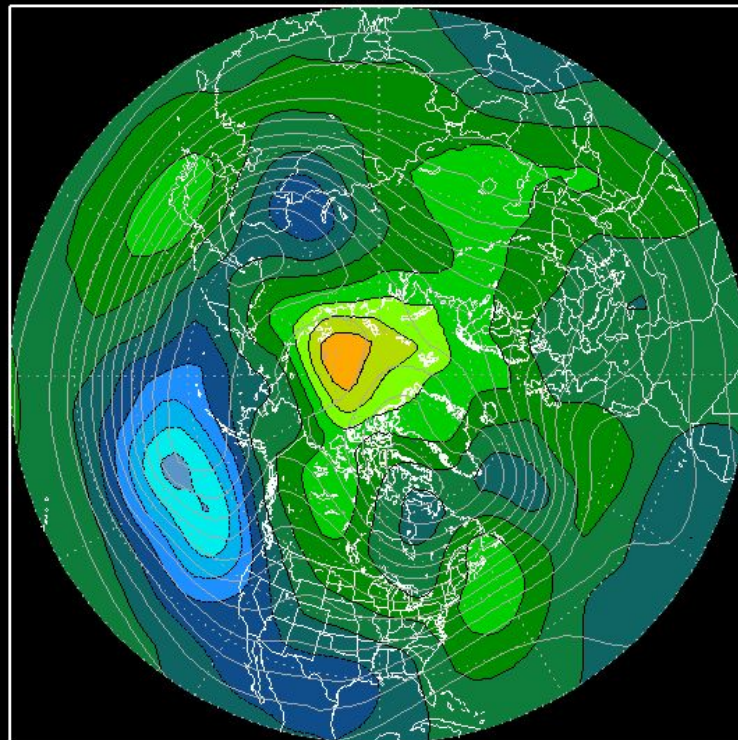
360H Forecast from: 00Z Sat FEB,20 2016
Valid time: 00Z Sun MAR,06 2016



00z Runs:(21) 12z Runs:(21)
— 5460m — 5700m — Cntrl 00z — Cntrl 12z — CLIM

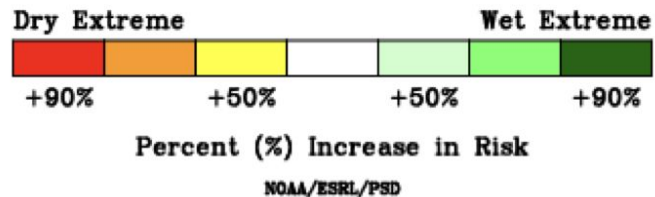
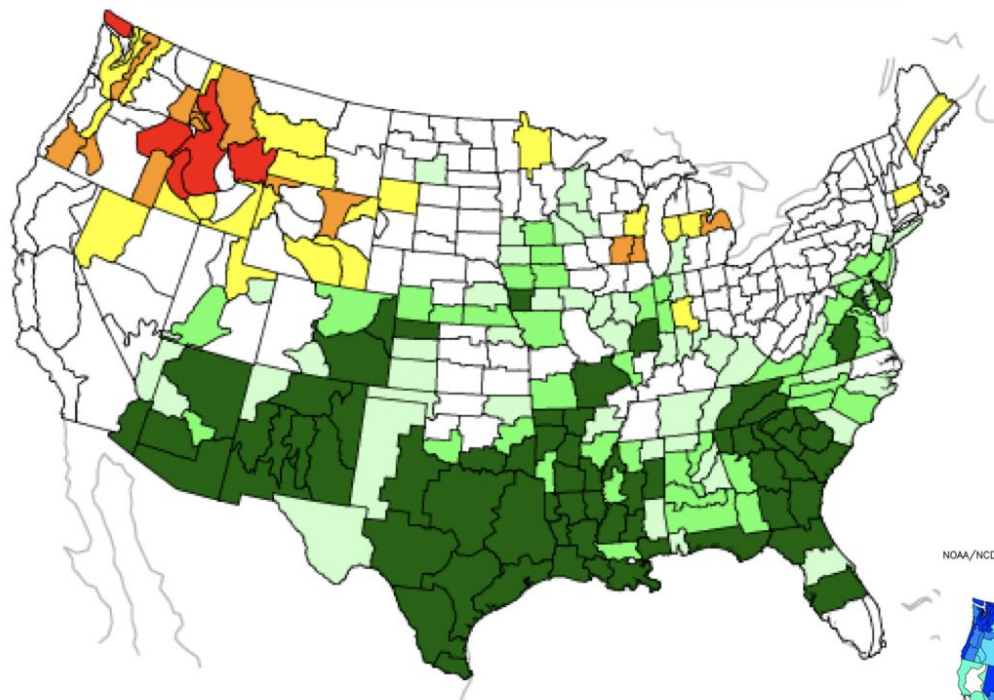
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

360H Forecast from: 00Z Sat FEB,20 2016
Valid time: 00Z Sun MAR,06 2016

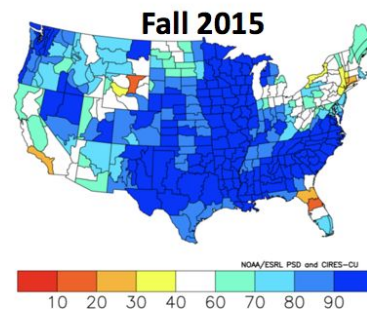


— -360 — -280 — -200 — -120 — -40 — 40 — 120 — 200 — 280 — 360

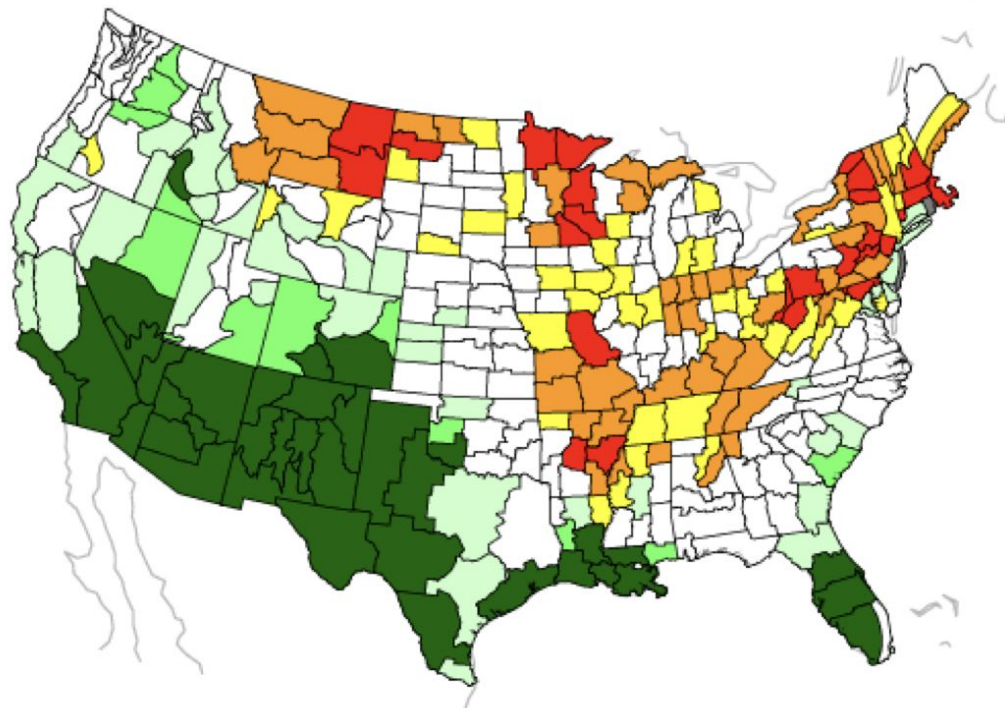
Fall Impacts of El Niño



NOAA/NCDC Climate Division Precipitation Percentile Relative to 1895–2013
Oct to Dec 2015



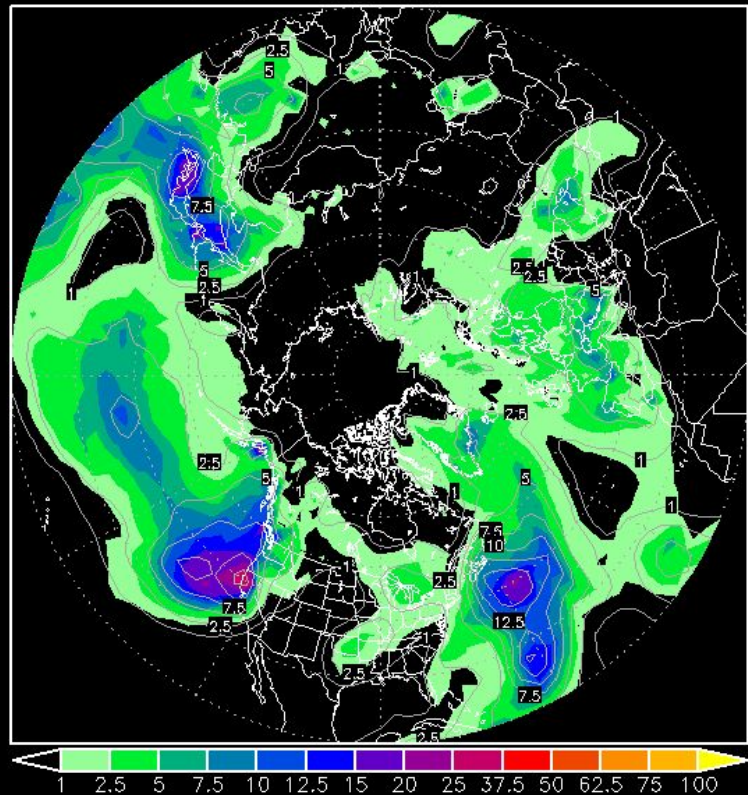
Spring Impacts of El Niño



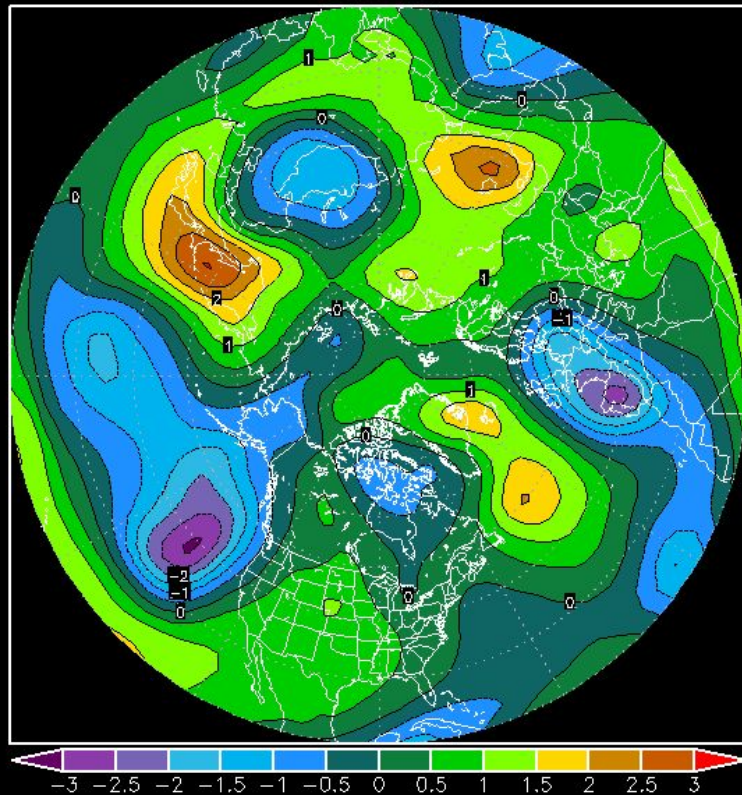
Percent (%) Increase in Risk

NOAA/ESRL/PSD

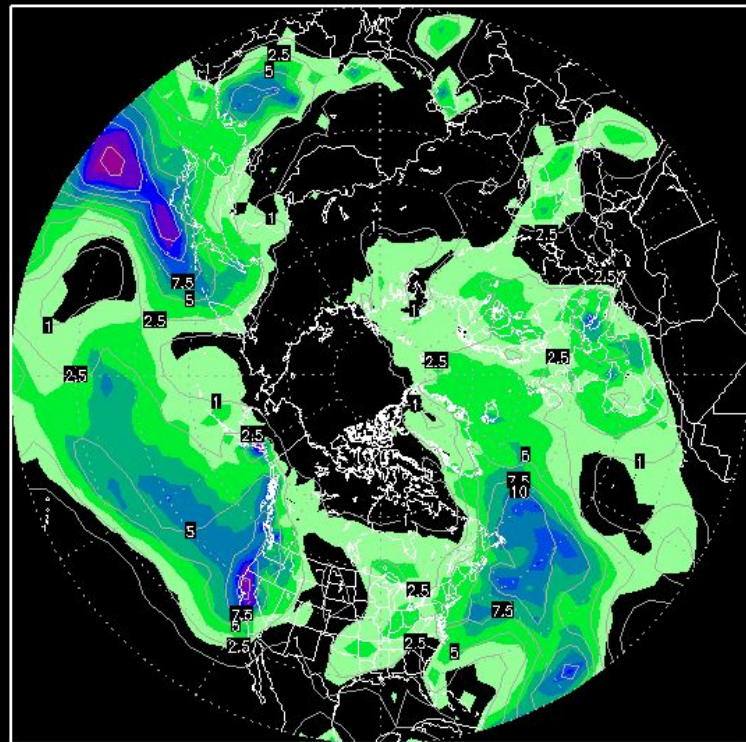
NCEP ENS MEAN PREC(color) and Std Dev(contour)
 144H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,06 2016



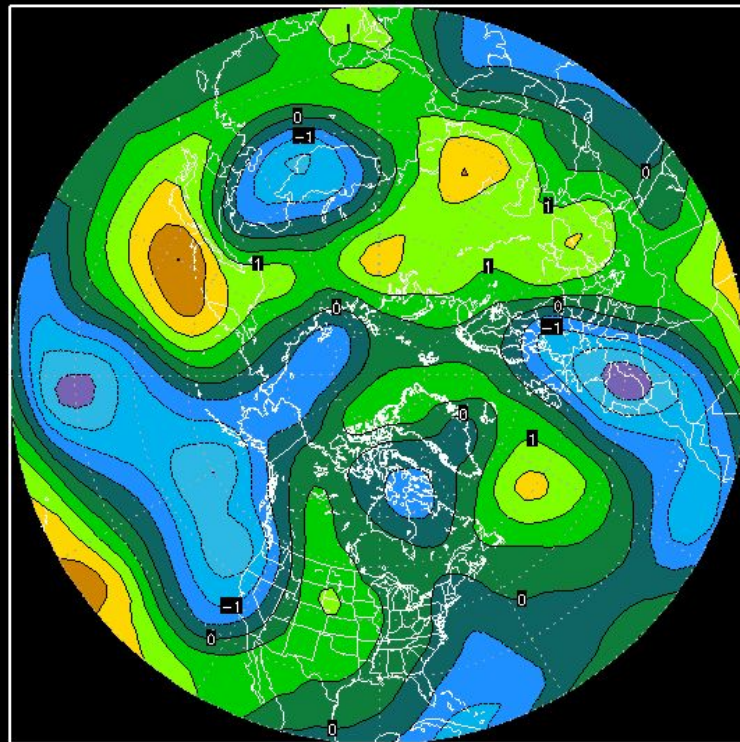
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 144H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,06 2016



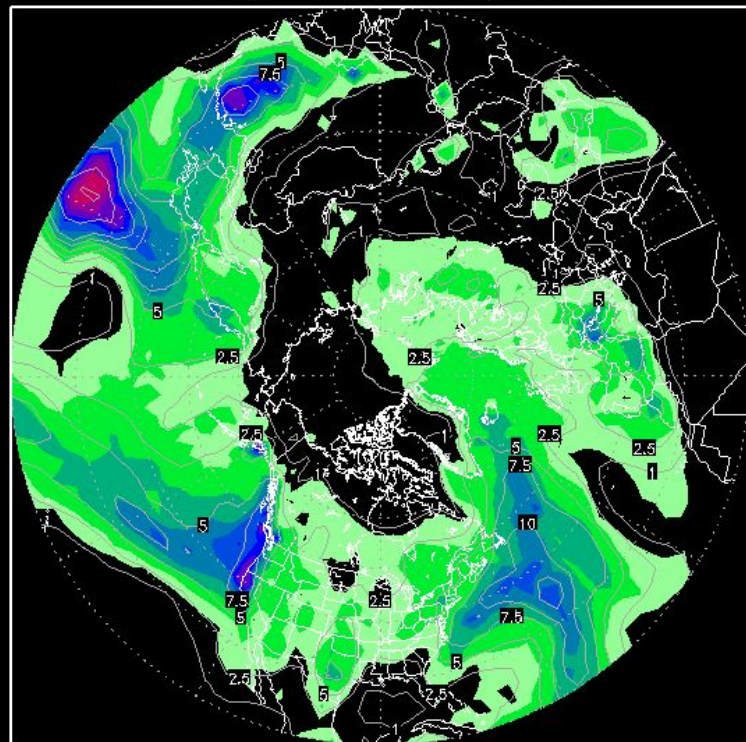
NCEP ENS MEAN PREC(color) and Std Dev(contour)
 168H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Mon MAR,07 2016



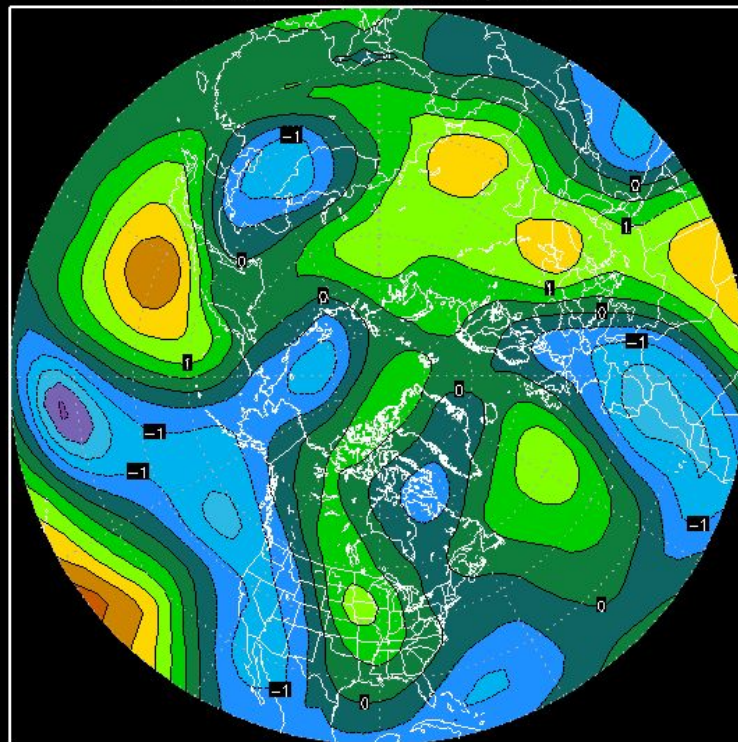
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 168H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Mon MAR,07 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)
 192H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Tue MAR,08 2016



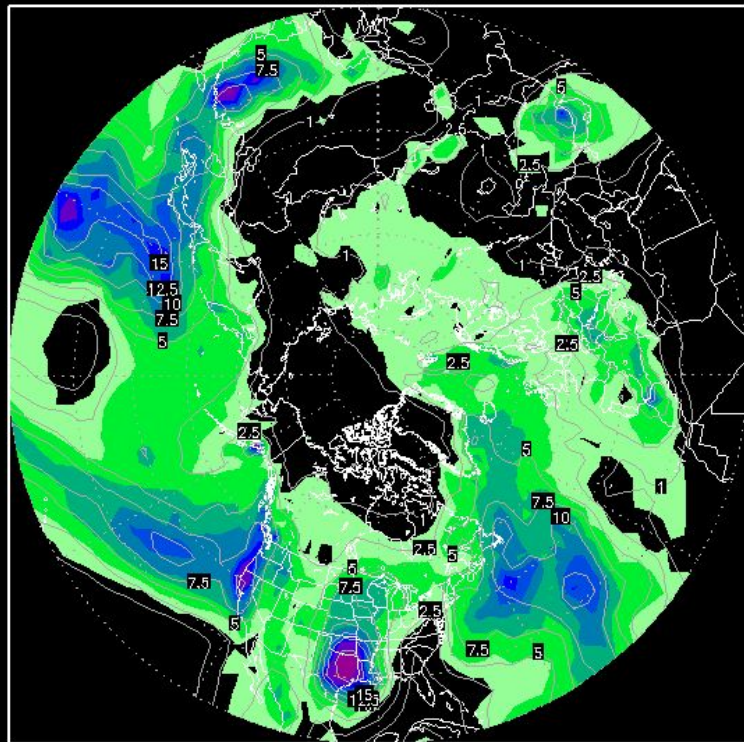
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 192H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Tue MAR,08 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)

216H Forecast from: 00Z Mon FEB,29 2016

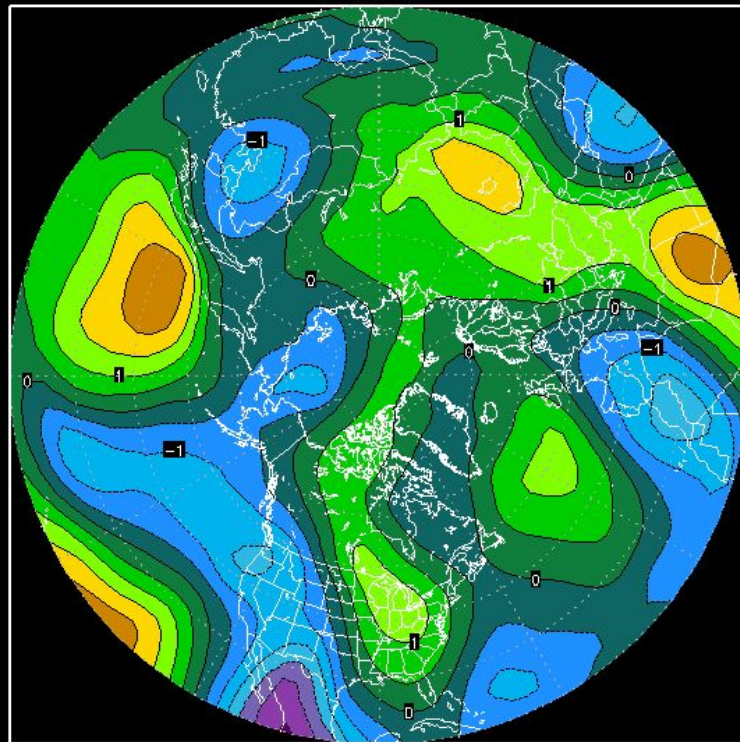
Valid time: 00Z Wed MAR,09 2016



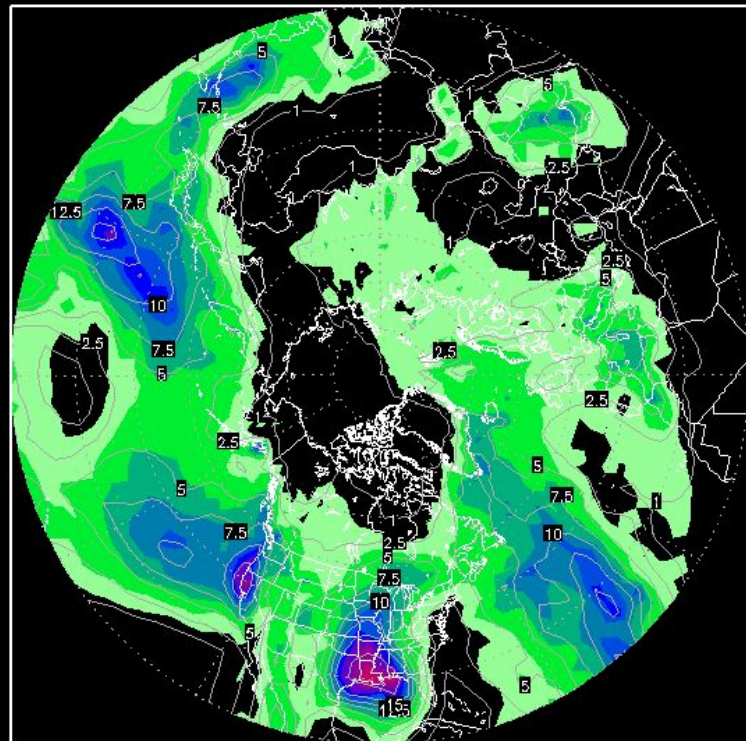
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

216H Forecast from: 00Z Mon FEB,29 2016

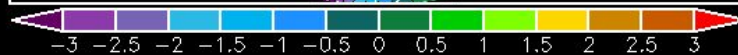
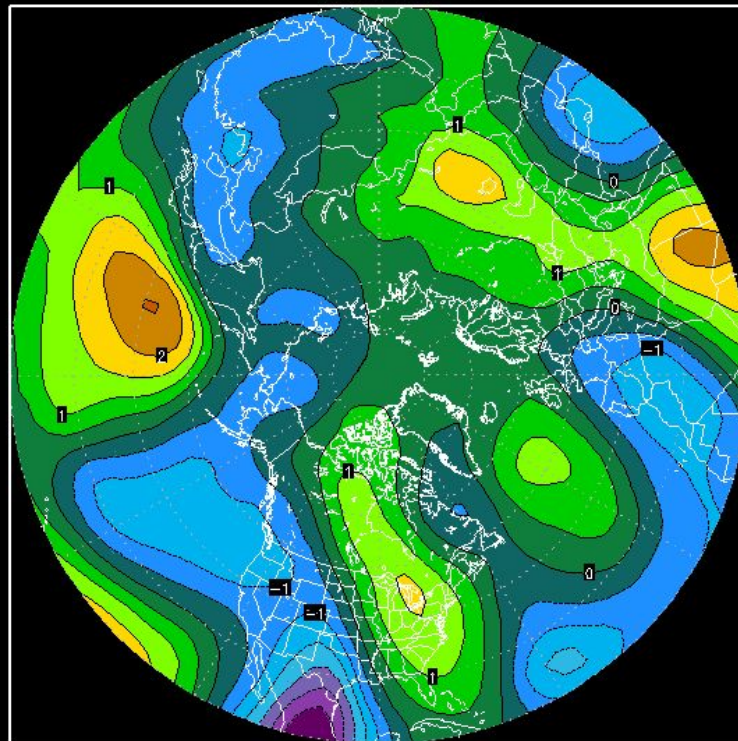
Valid time: 00Z Wed MAR,09 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)
 240H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Thu MAR,10 2016



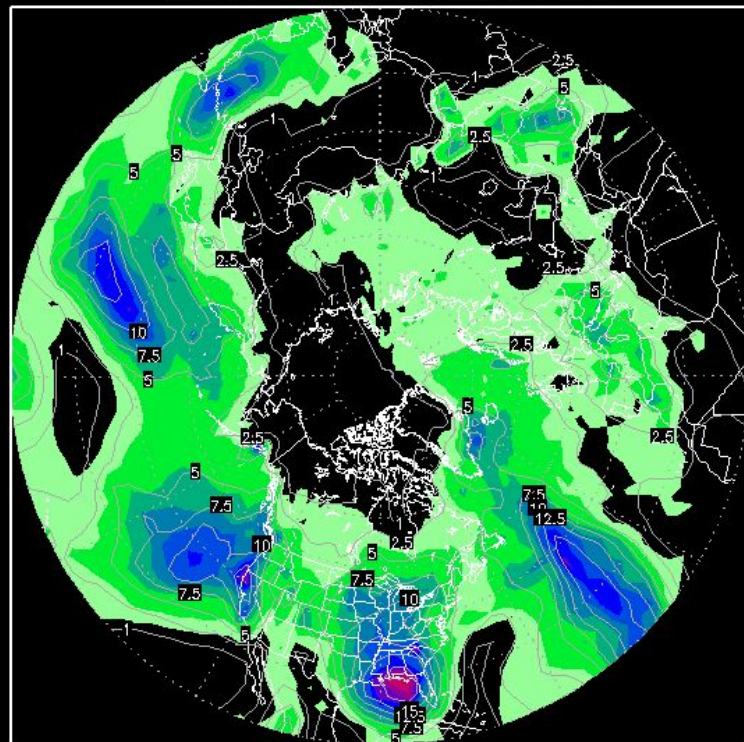
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 240H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Thu MAR,10 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)

264H Forecast from: 00Z Mon FEB,29 2016

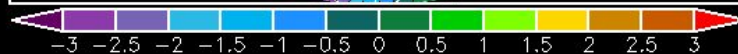
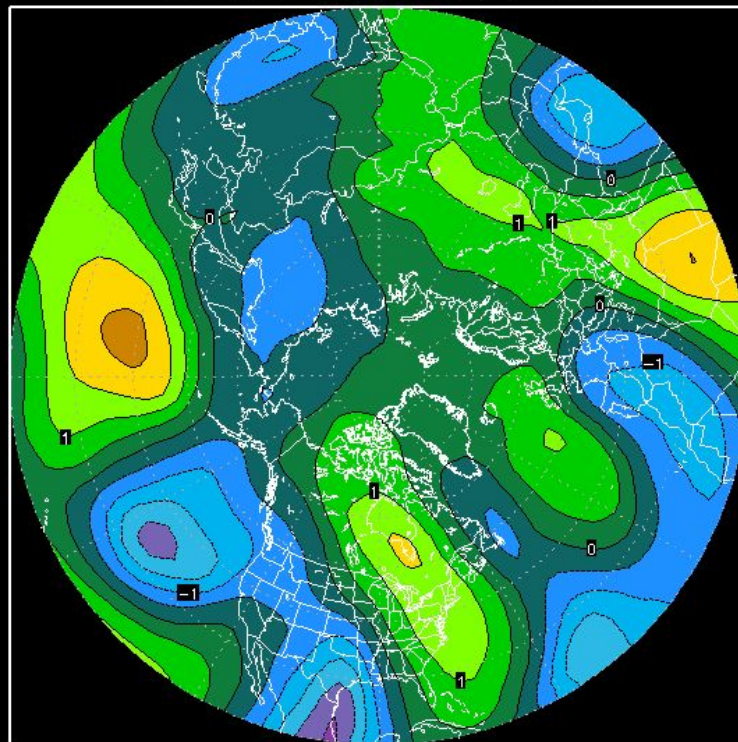
Valid time: 00Z Fri MAR,11 2016



NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

264H Forecast from: 00Z Mon FEB,29 2016

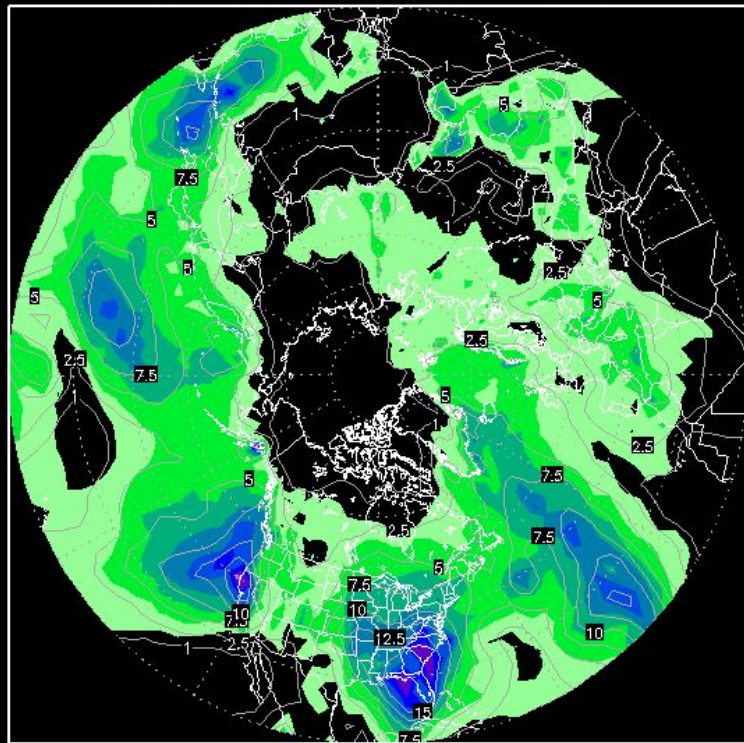
Valid time: 00Z Fri MAR,11 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)

288H Forecast from: 00Z Mon FEB,29 2016

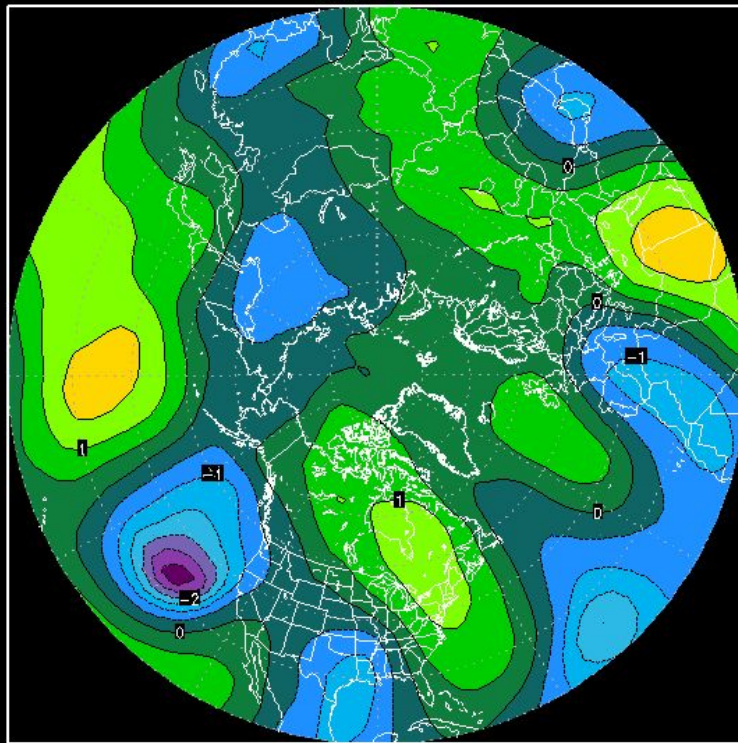
Valid time: 00Z Sat MAR,12 2016



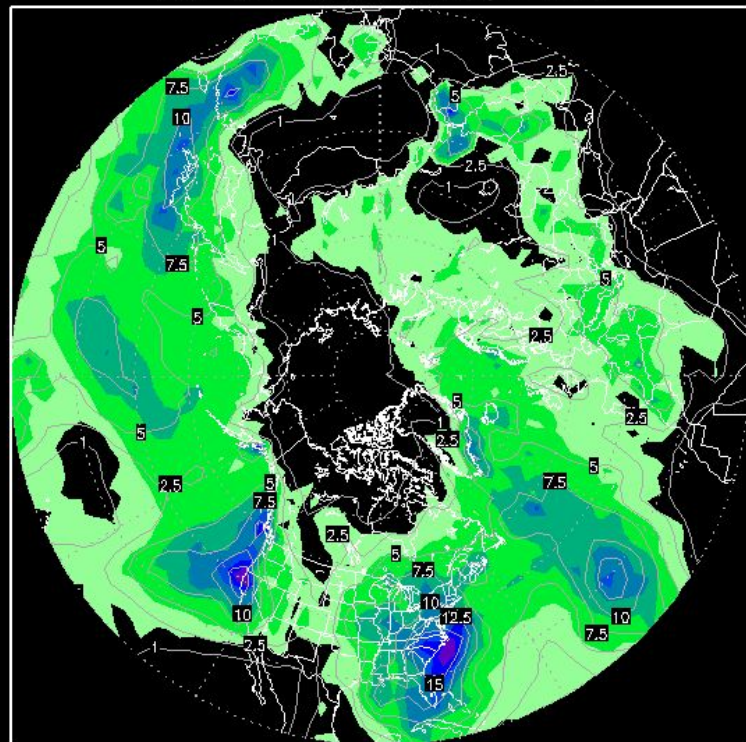
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

288H Forecast from: 00Z Mon FEB,29 2016

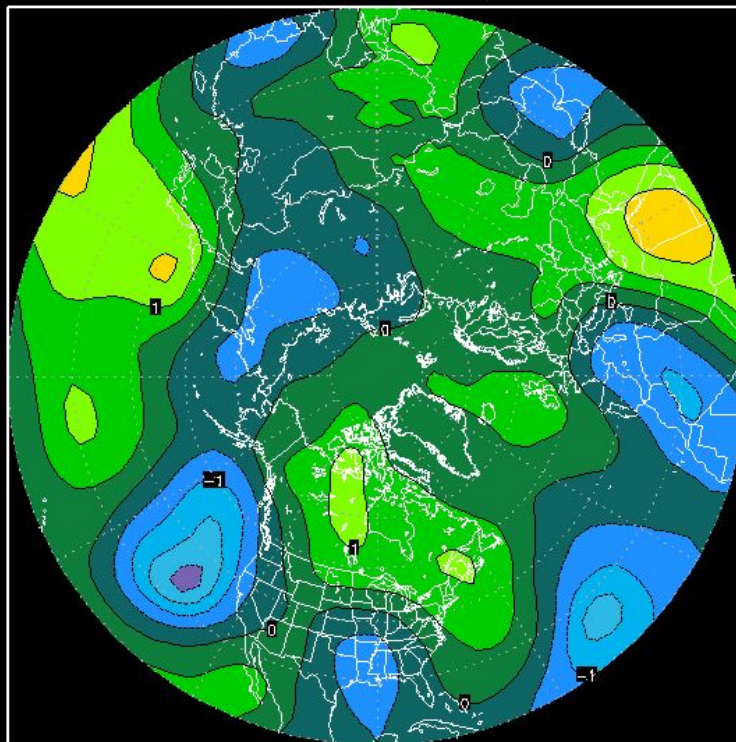
Valid time: 00Z Sat MAR,12 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)
 312H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,13 2016



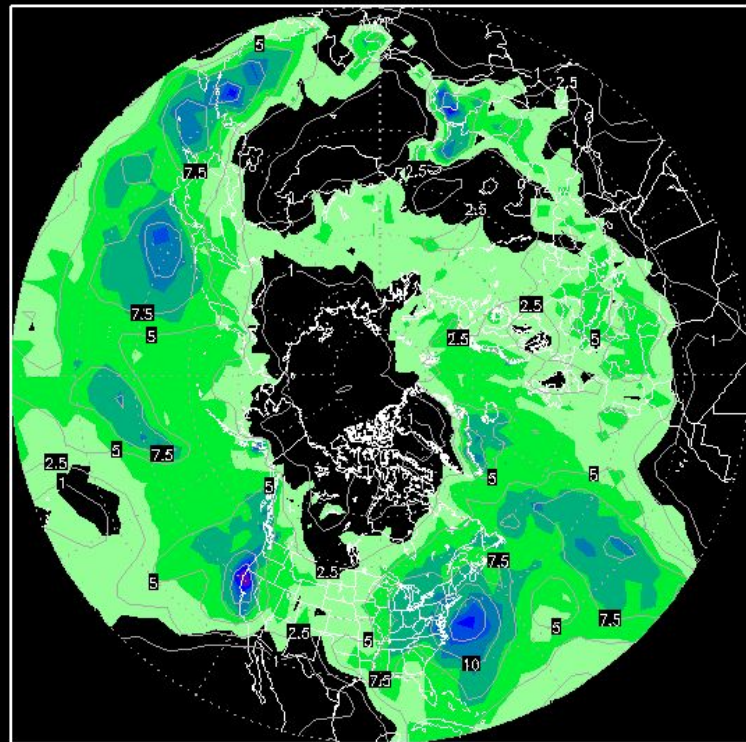
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 312H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,13 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)

336H Forecast from: 00Z Mon FEB,29 2016

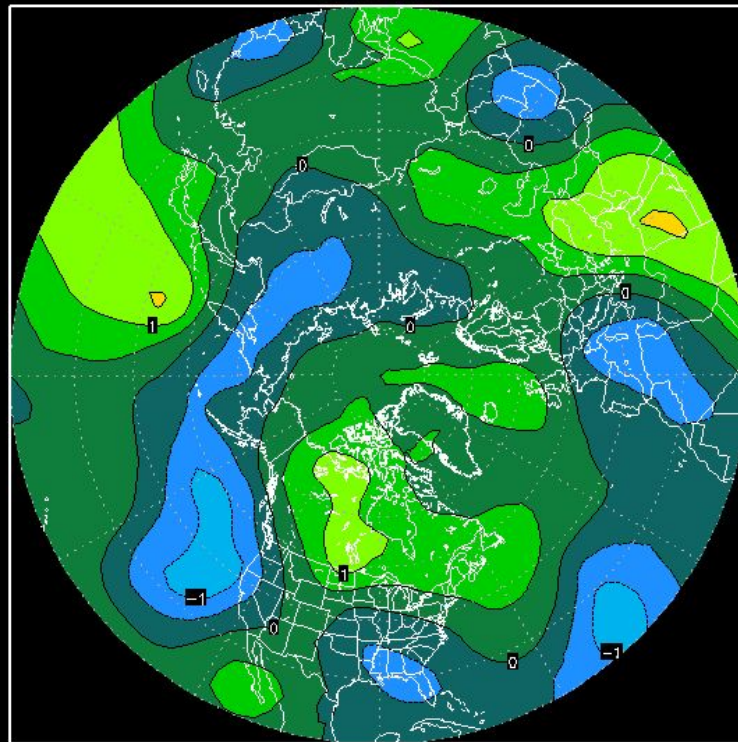
Valid time: 00Z Mon MAR,14 2016



NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

336H Forecast from: 00Z Mon FEB,29 2016

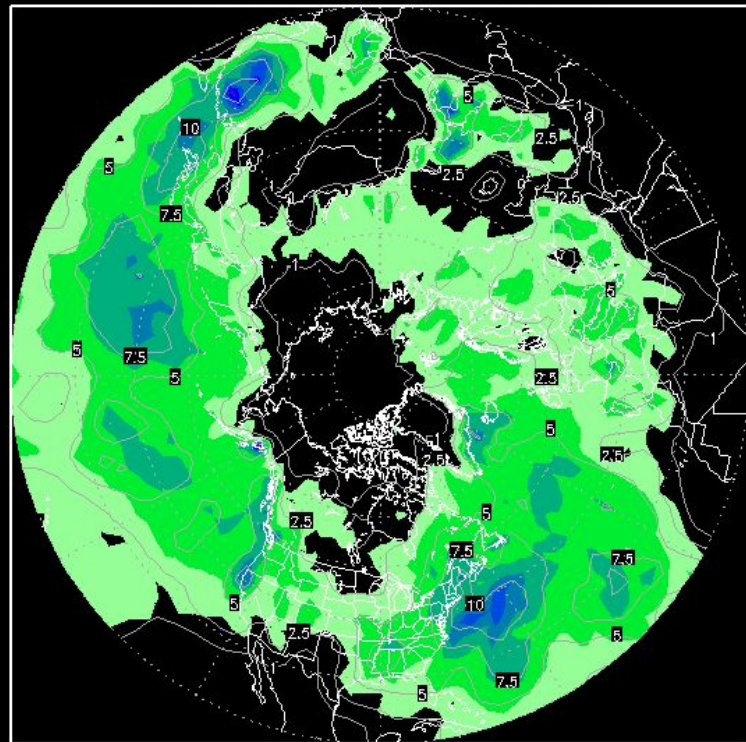
Valid time: 00Z Mon MAR,14 2016



NCEP ENS MEAN PREC(color) and Std Dev(contour)

360H Forecast from: 00Z Mon FEB,29 2016

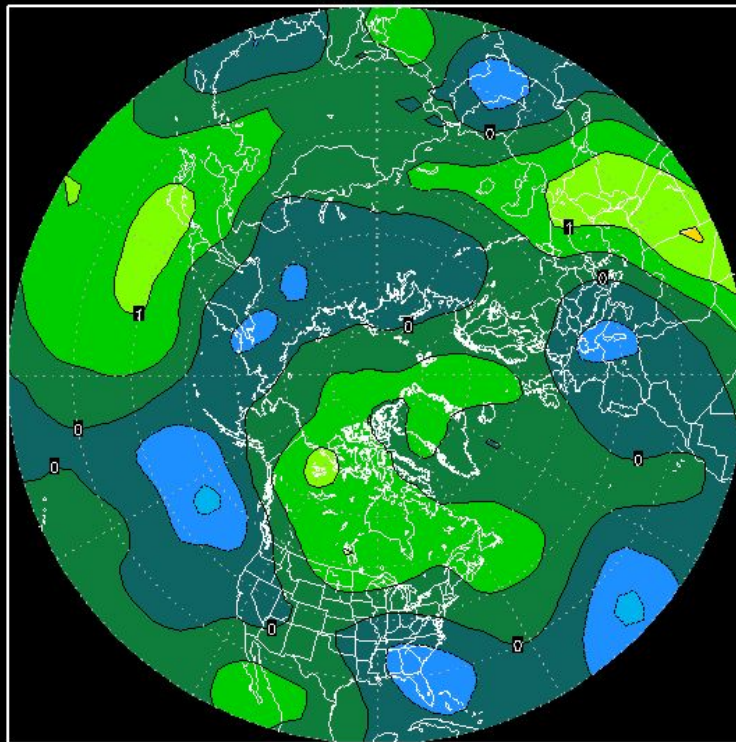
Valid time: 00Z Tue MAR,15 2016



NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

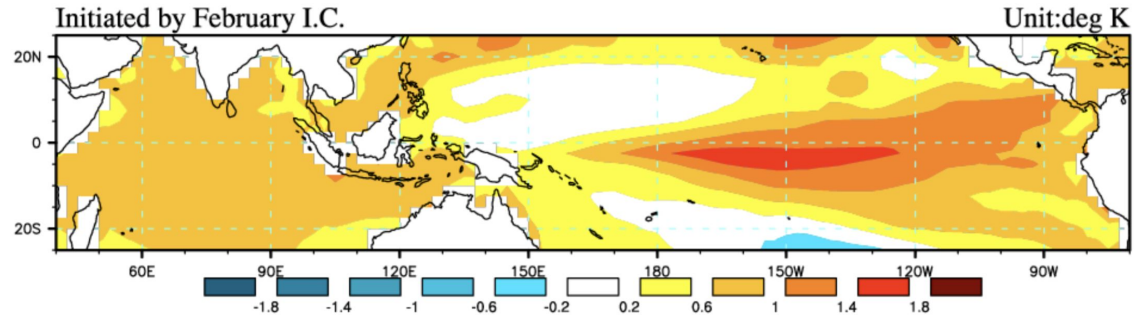
360H Forecast from: 00Z Mon FEB,29 2016

Valid time: 00Z Tue MAR,15 2016



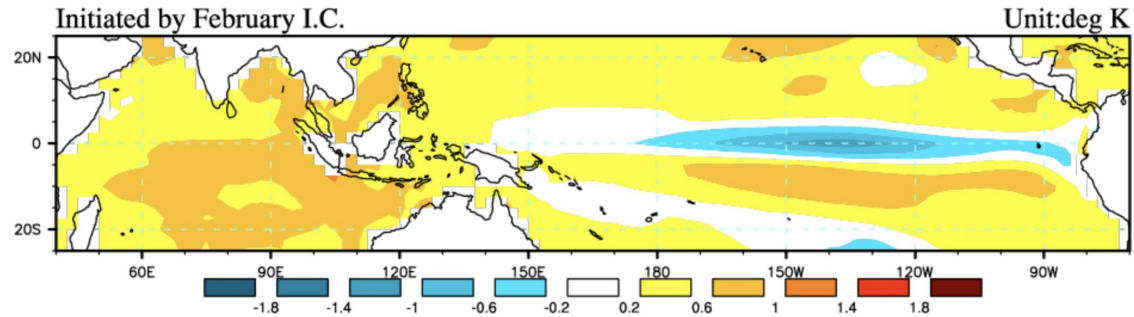
Spring 2016 Outlook: APEC NMME

SST Anomaly for MAM 2016



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SST Anomaly for JJA 2016



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Precipitation for March-May 2016

