

Summary of Key Briefing Points
1030-1130am MST Tue Mar 1, 2016

Current Conditions as of Tue 12Z-15Z Mar 1

Tropics and Mid-latitudes

Over the Tropical Pacific:

- Complex of 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 1-2 days

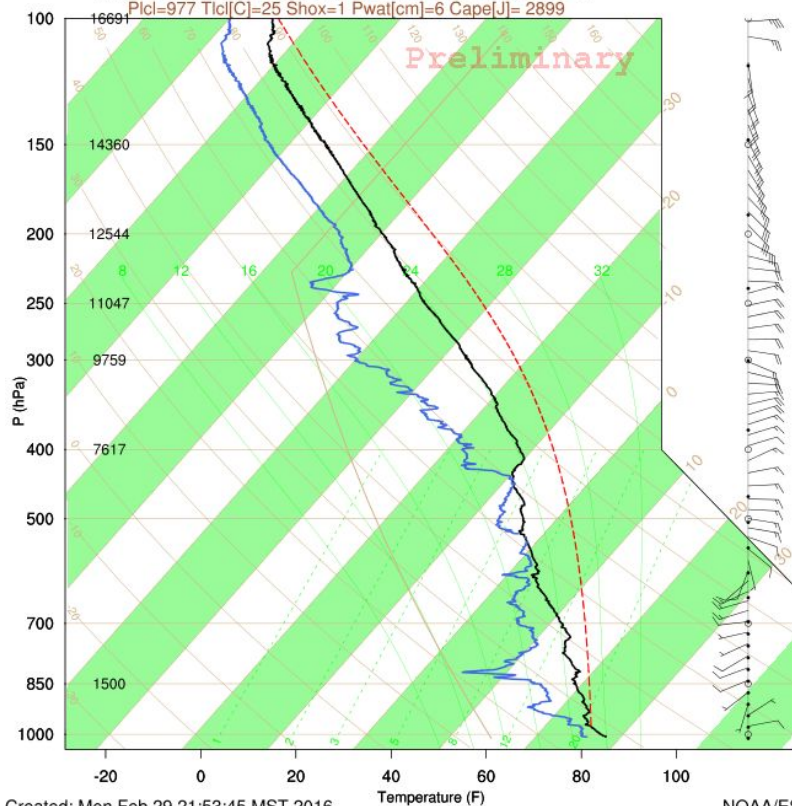
Midlatitude Conditions/Outlook

Short Term:

- CA quiet today, rains expected late week
- **Medium - Long Term:**
- Heavy rains likely over weekend, Sunday especially
- Day 8-14 in EC and GFS indicate major change in the EPacific circulation, wet ALL CA likely

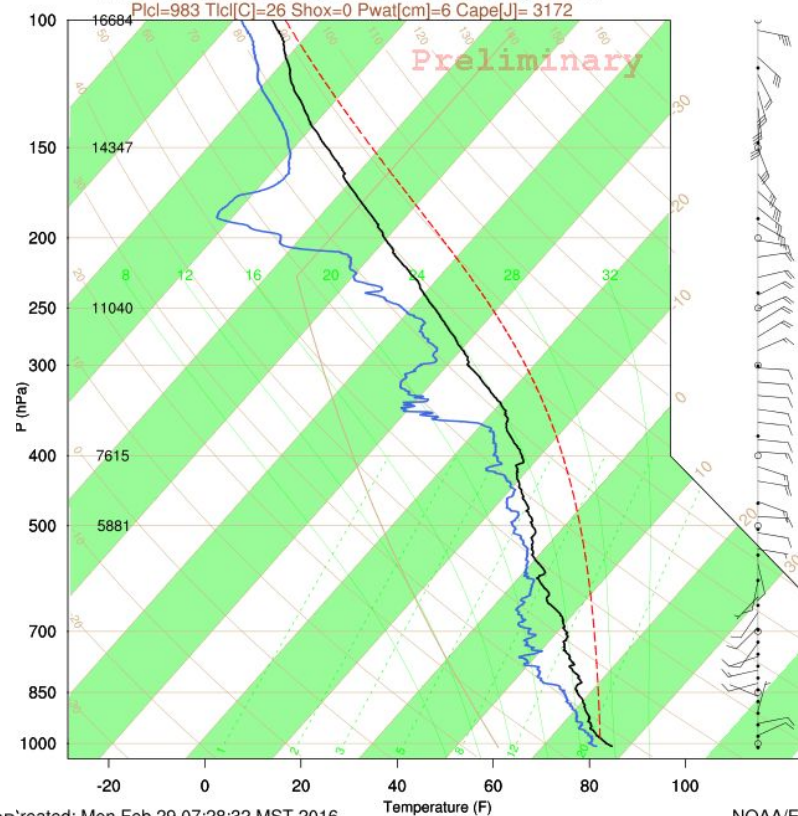
Kiritimati Is: 02/29/2016 2317Z 2.01N 157.40W

Ptcl=977 Tlcl[C]=25 Shox=1 Pwat[cm]=6 Cape[J]= 2899



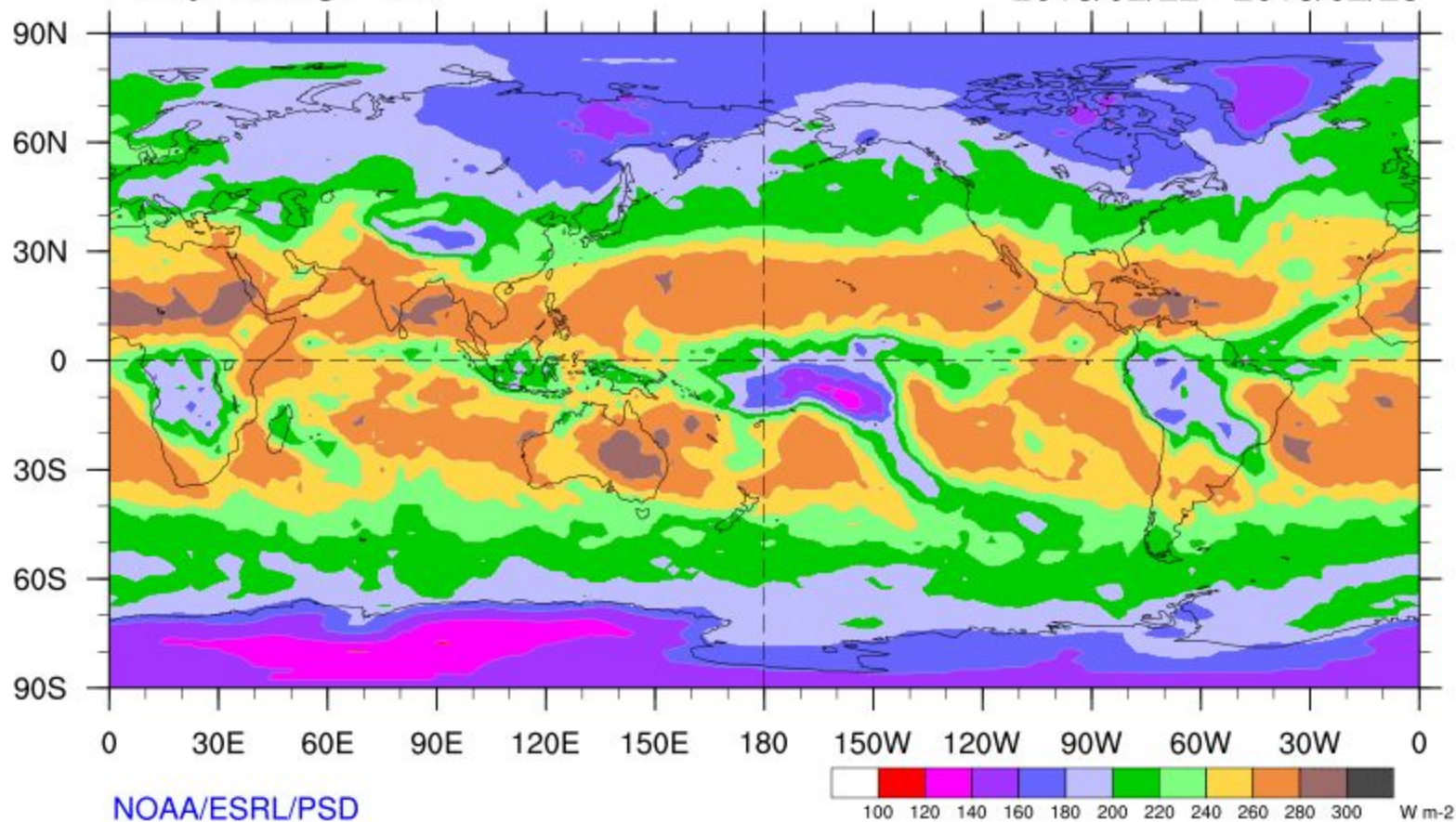
Kiritimati Is: 02/29/2016 1122Z 2.01N 157.40W

Ptcl=983 Tlcl[C]=26 Shox=0 Pwat[cm]=6 Cape[J]= 3172



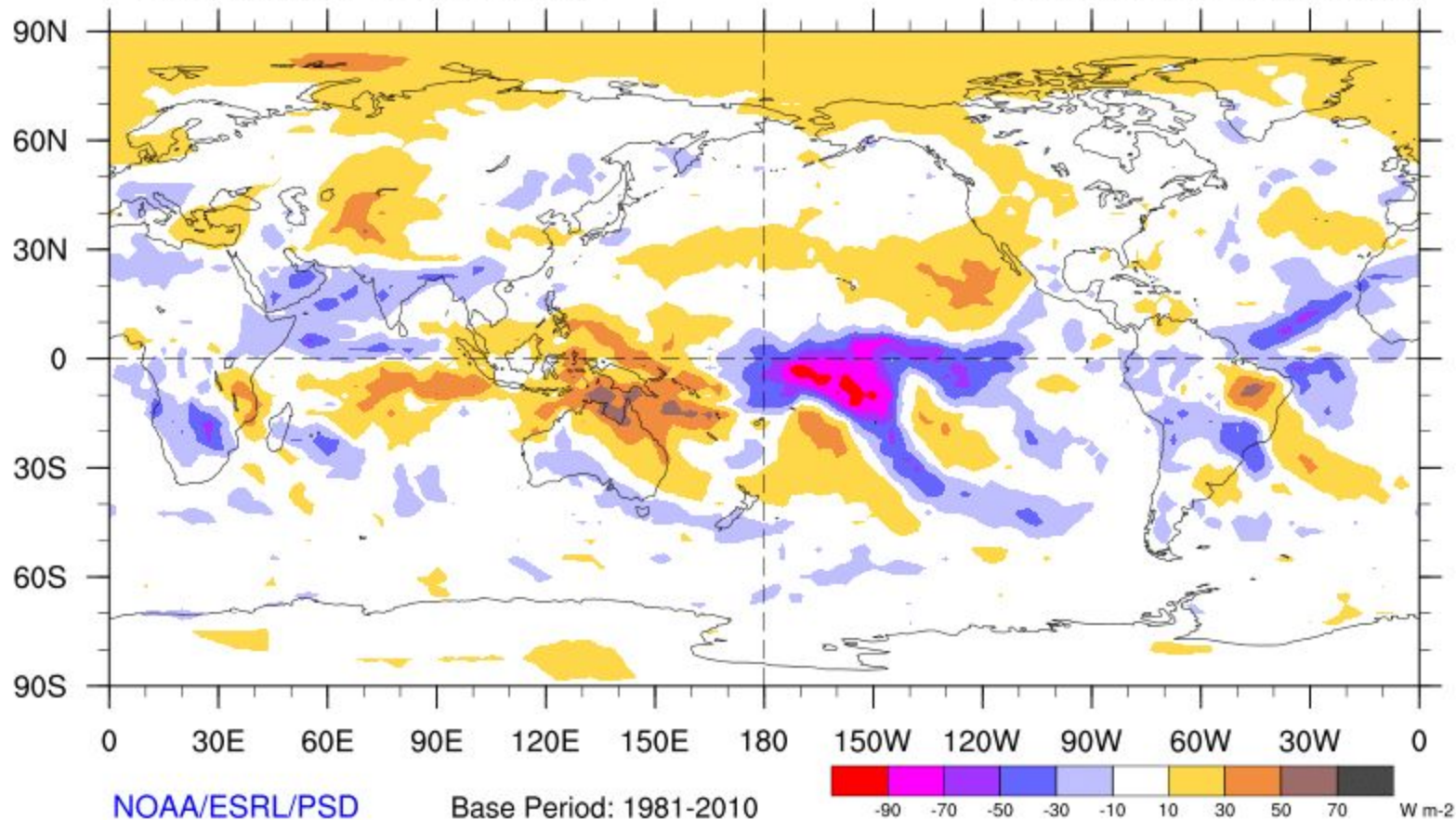
7-Day Average OLR

2016/02/22 - 2016/02/28



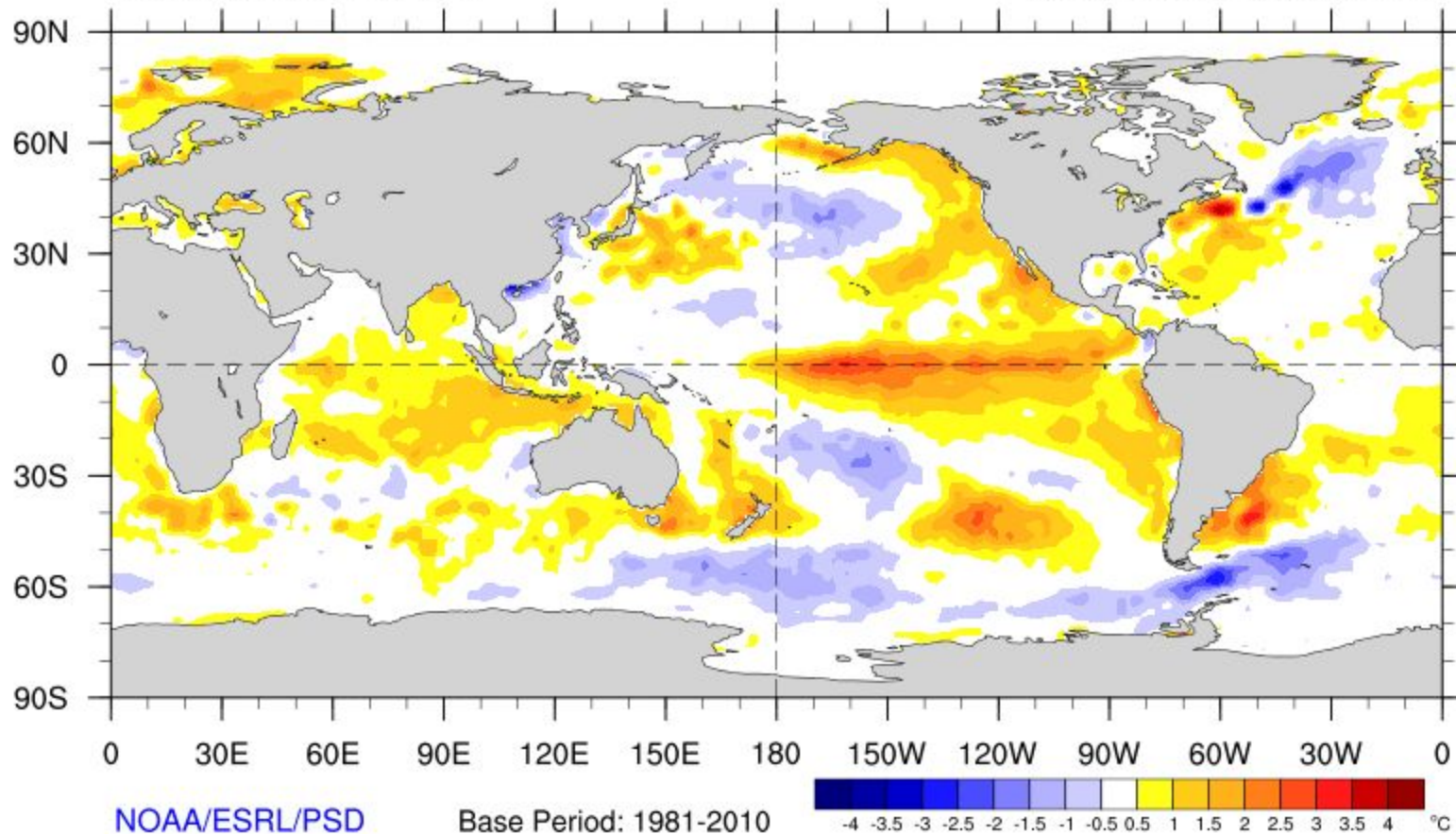
7-Day Average OLR Anomaly

2016/02/22 - 2016/02/28



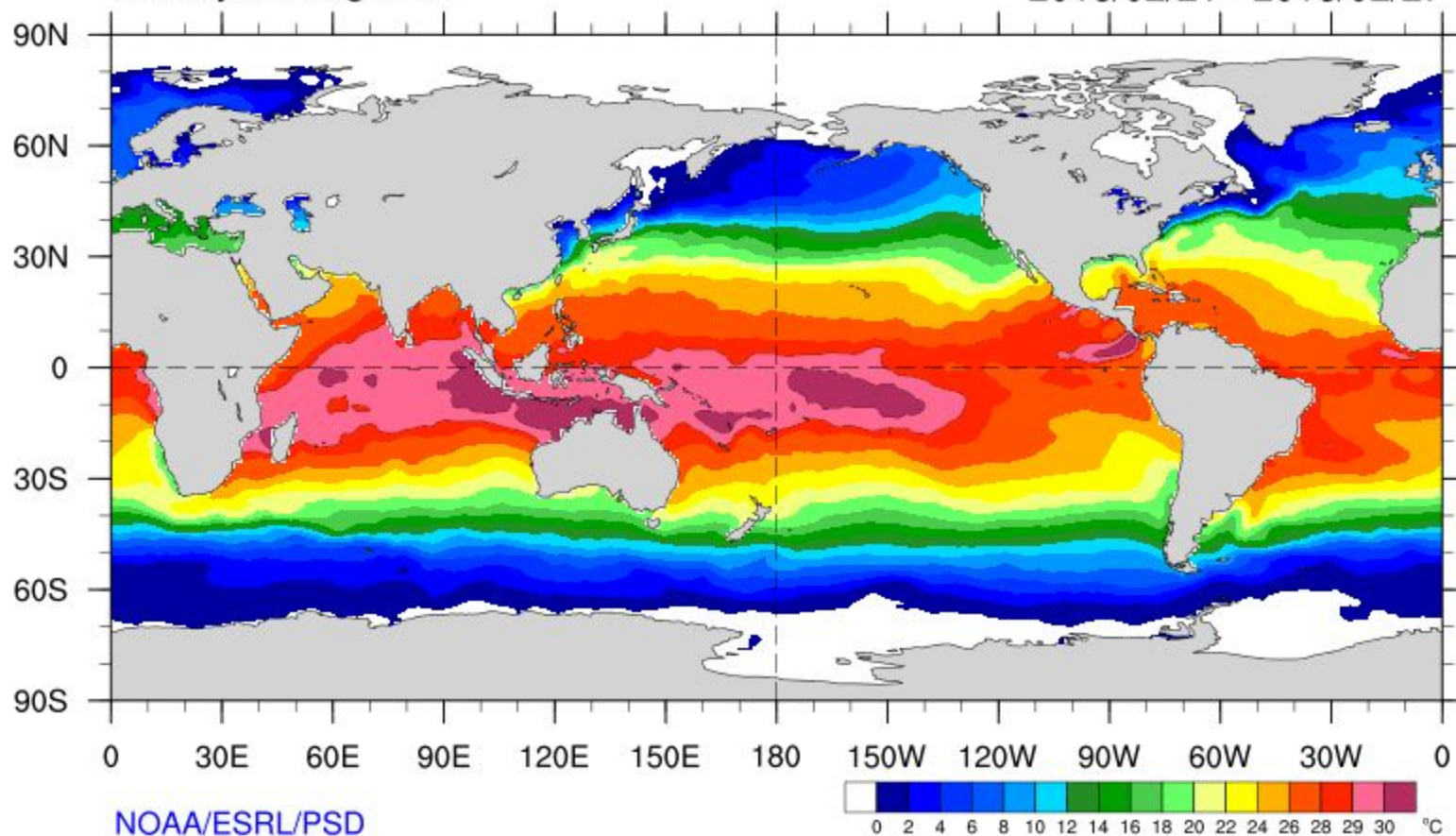
Weekly SST Anomaly

2016/02/21 - 2016/02/27



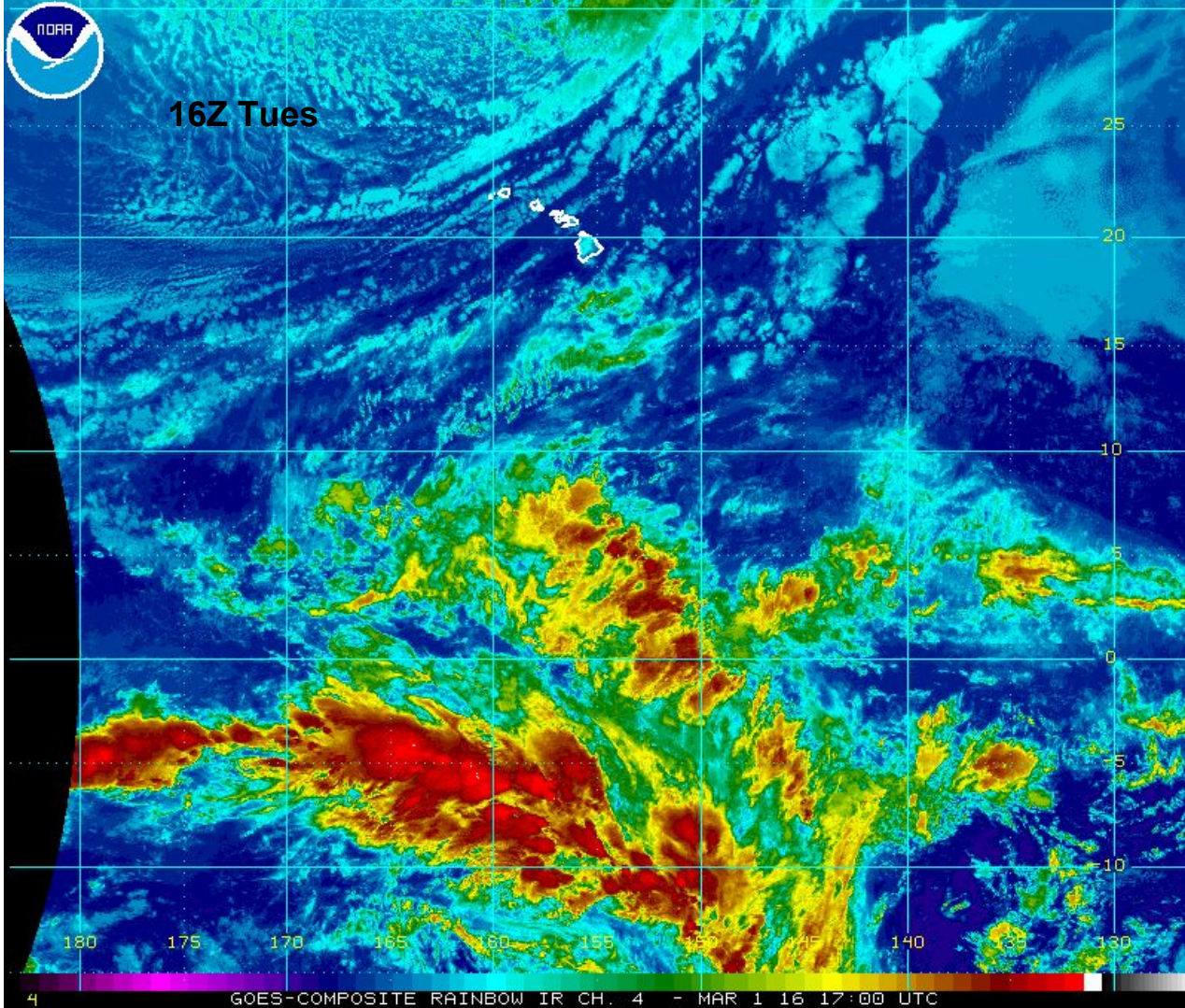
Weekly Average SST

2016/02/21 - 2016/02/27



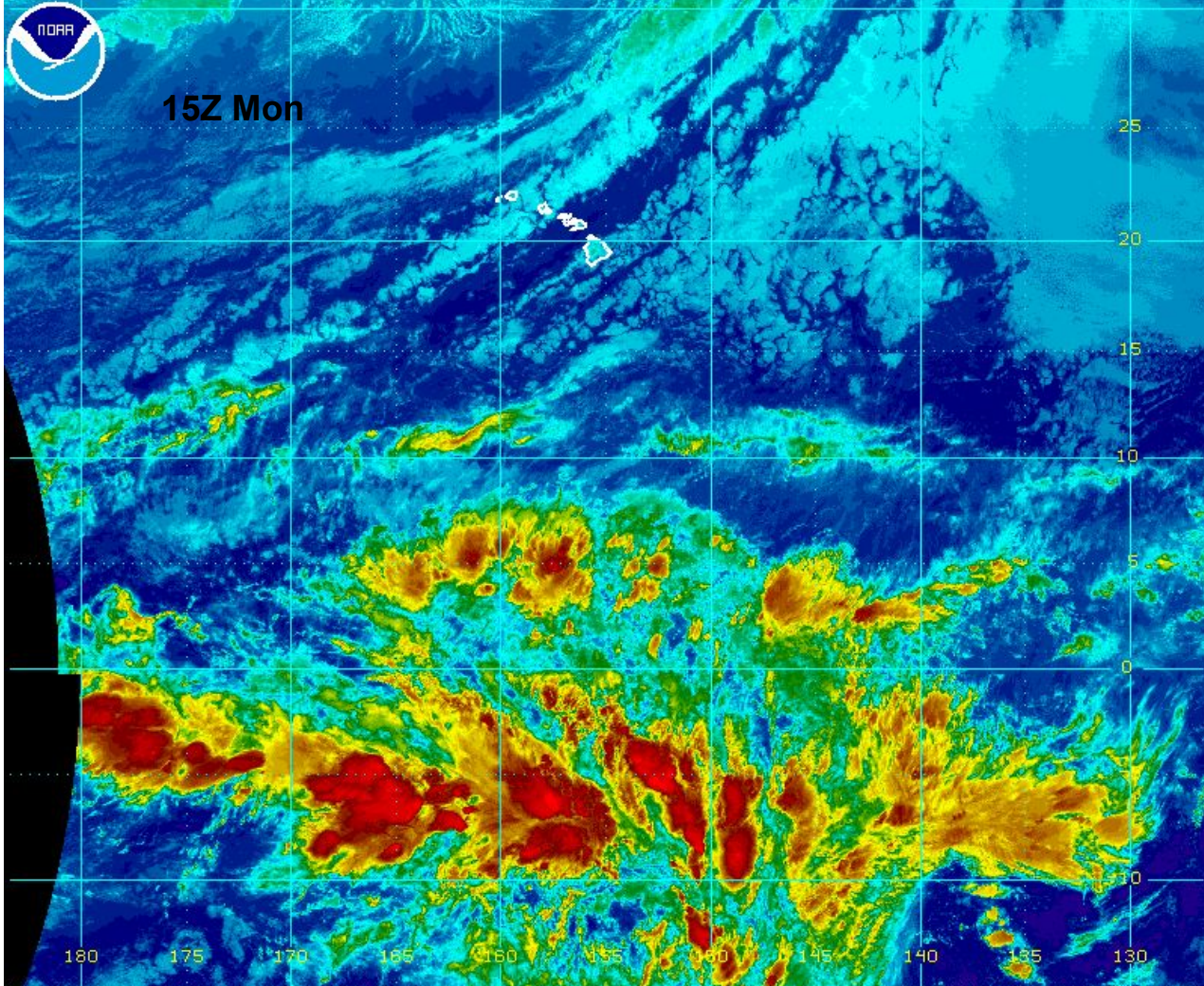


16Z Tues



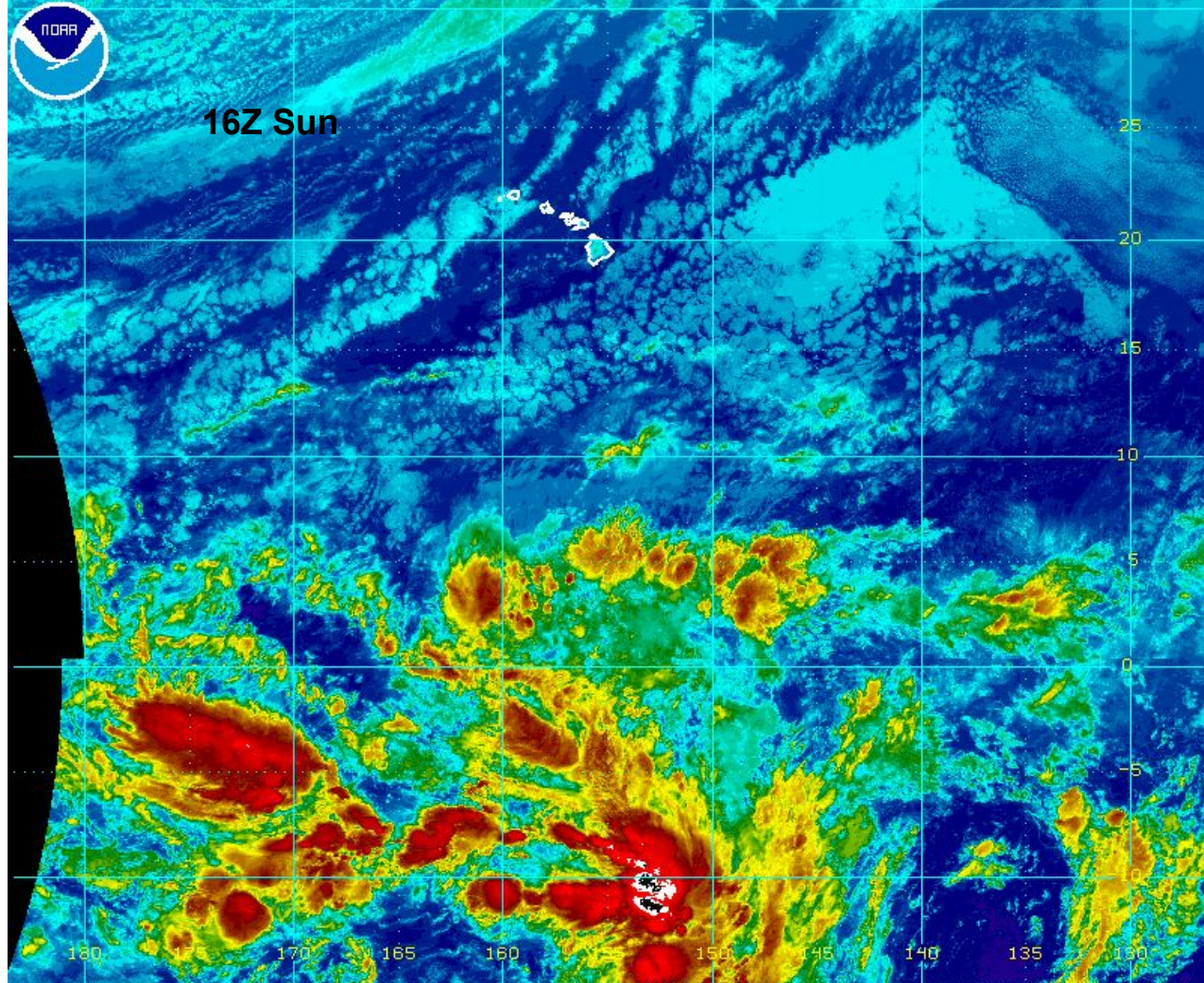


15Z Mon

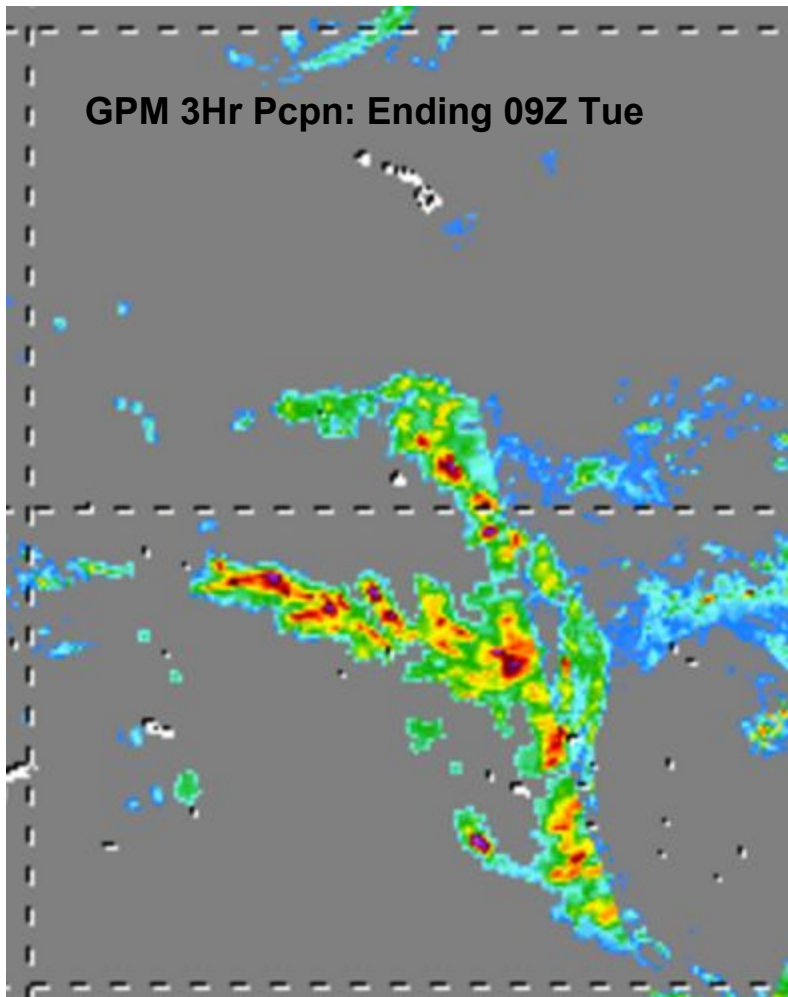




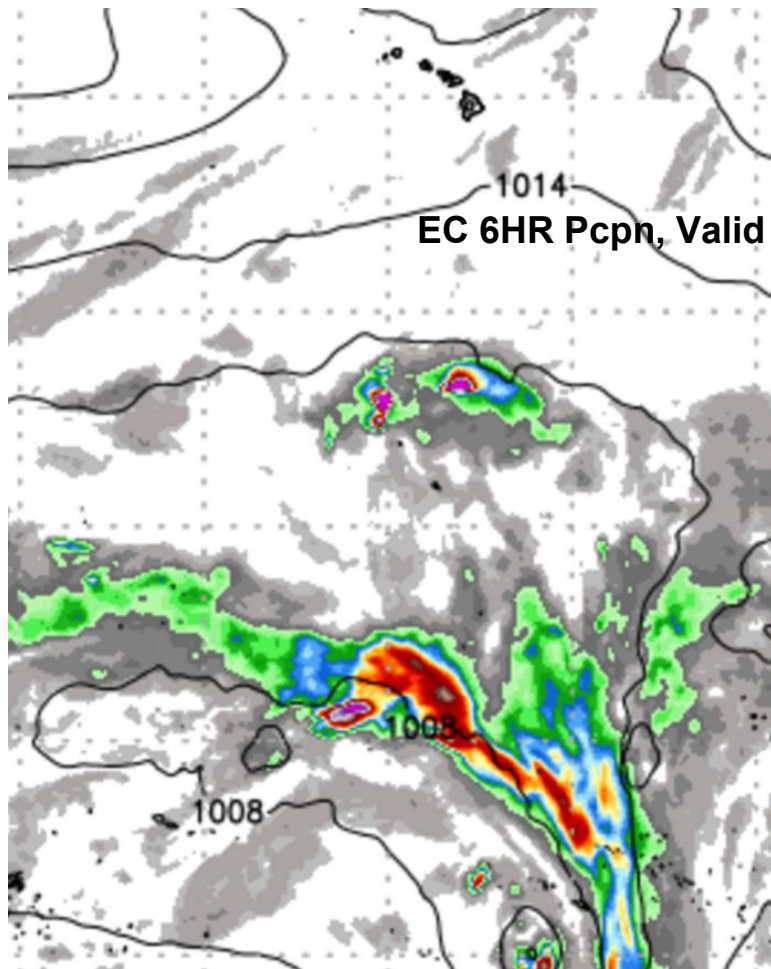
16Z Sun



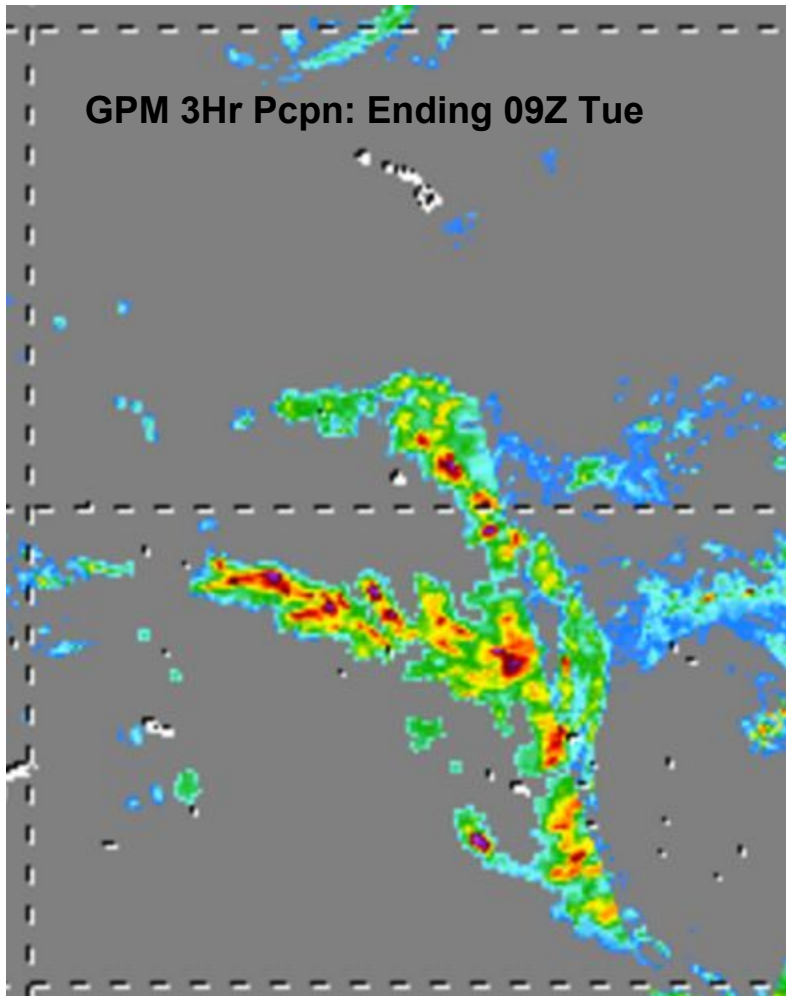
GPM 3Hr Pcpn: Ending 09Z Tue



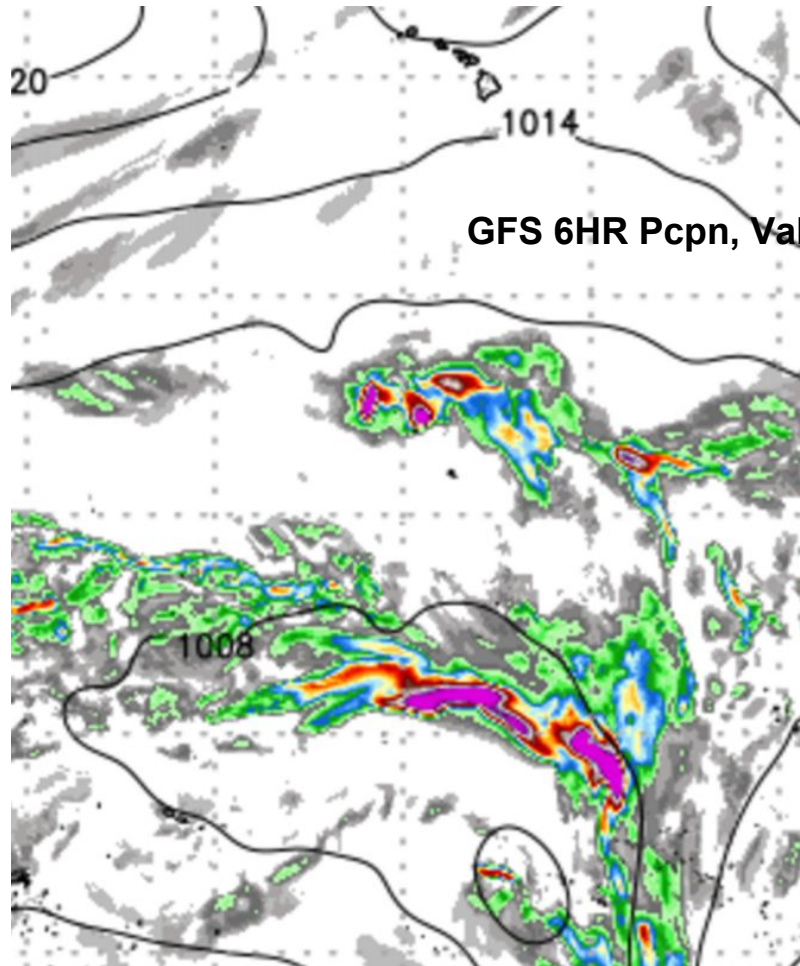
EC 6HR Pcpn, Valid 06Z Tues



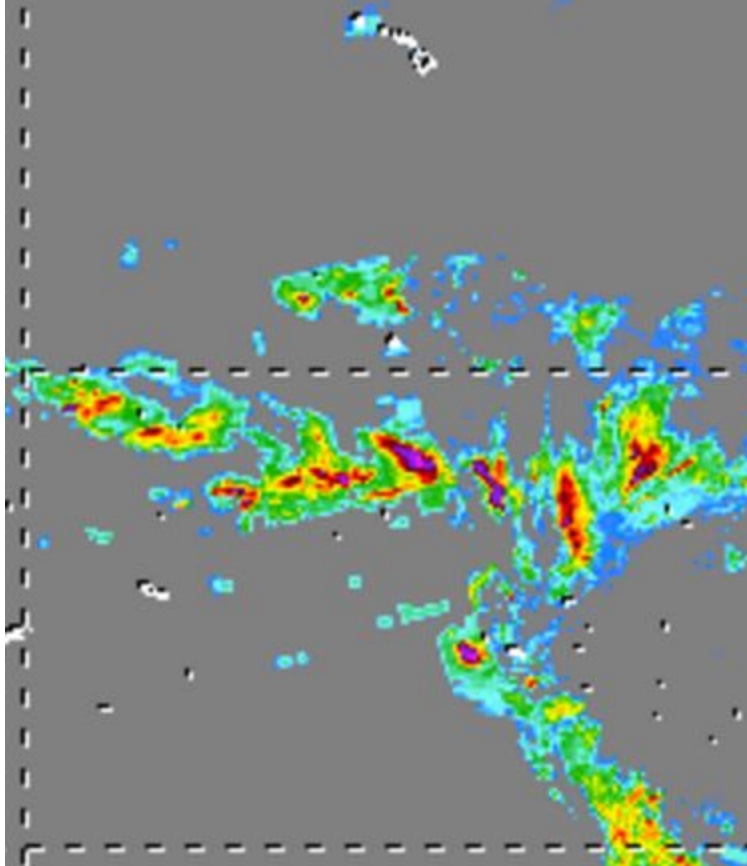
GPM 3Hr Pcpn: Ending 09Z Tue



GFS 6HR Pcpn, Valid 06Z Tues

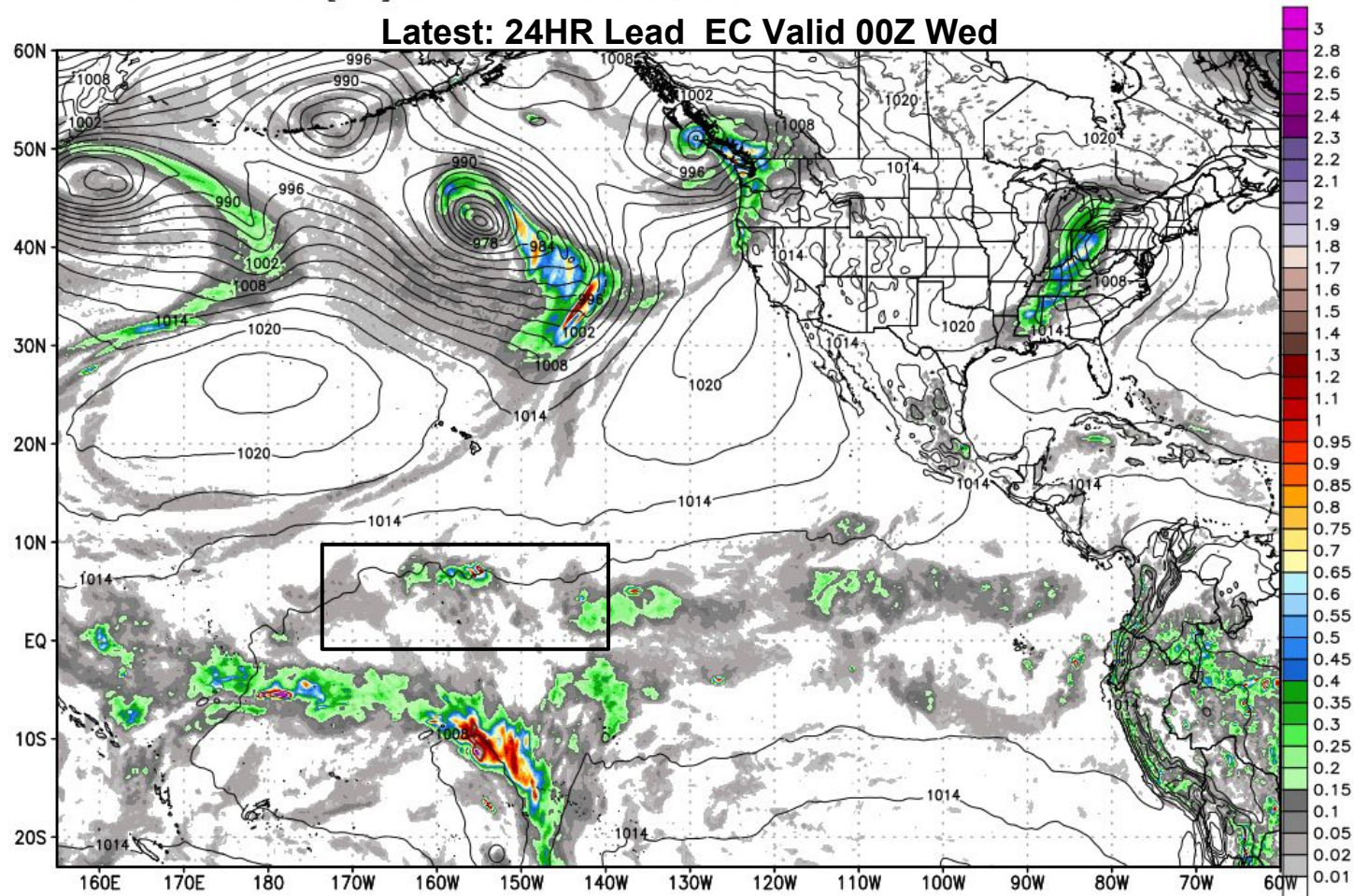


GPM 3Hr Pcpn: Ending 09Z Mon

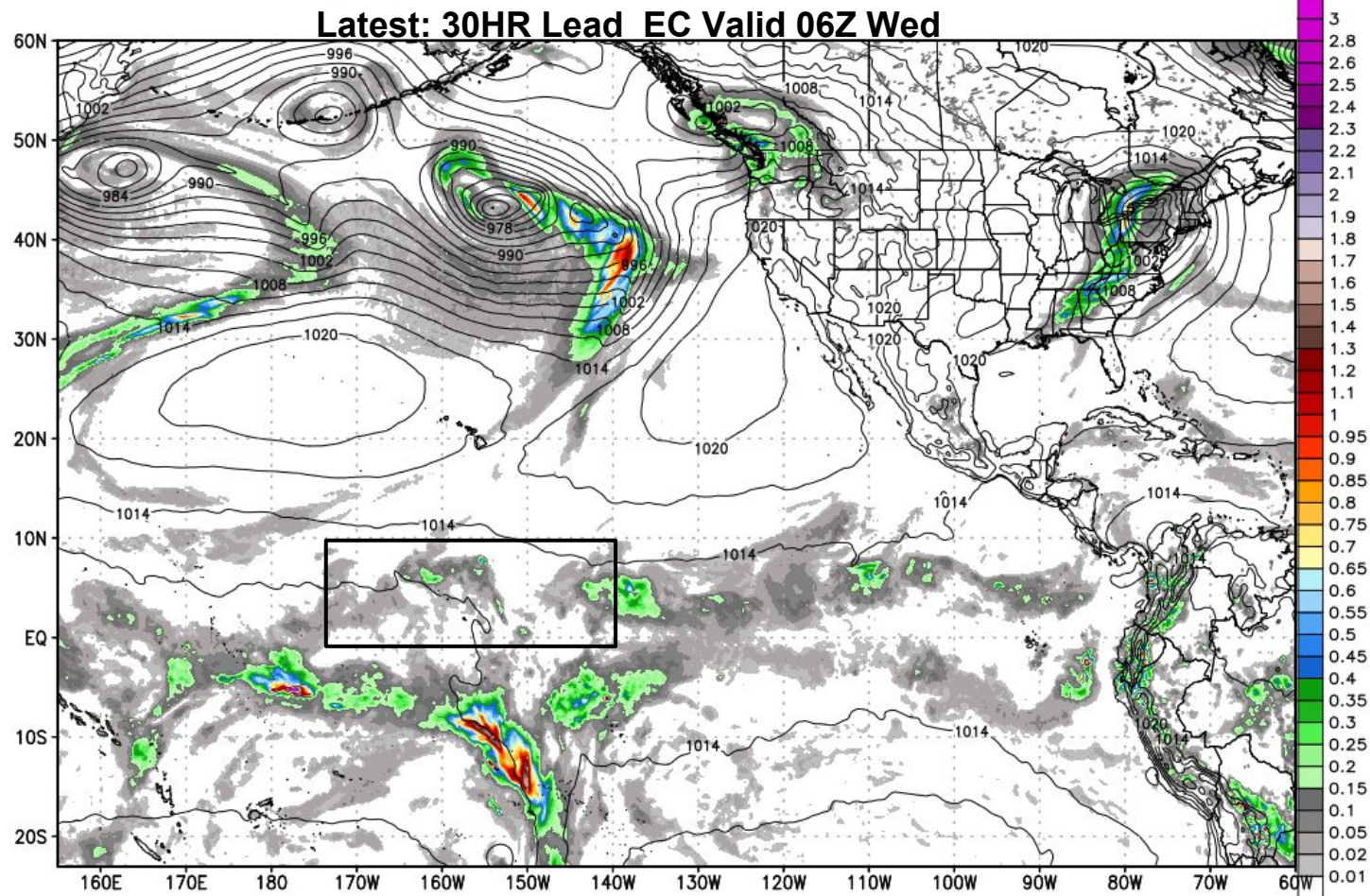


ECMWF 6-hourly Precipitation [inches] between 18Z01MAR2016 -- 00Z02MAR2016 & MSLP [hPa]
INIT: 00Z01MAR2016 fx: [024] hr --> Wed 00Z02MAR2016

Latest: 24HR Lead EC Valid 00Z Wed

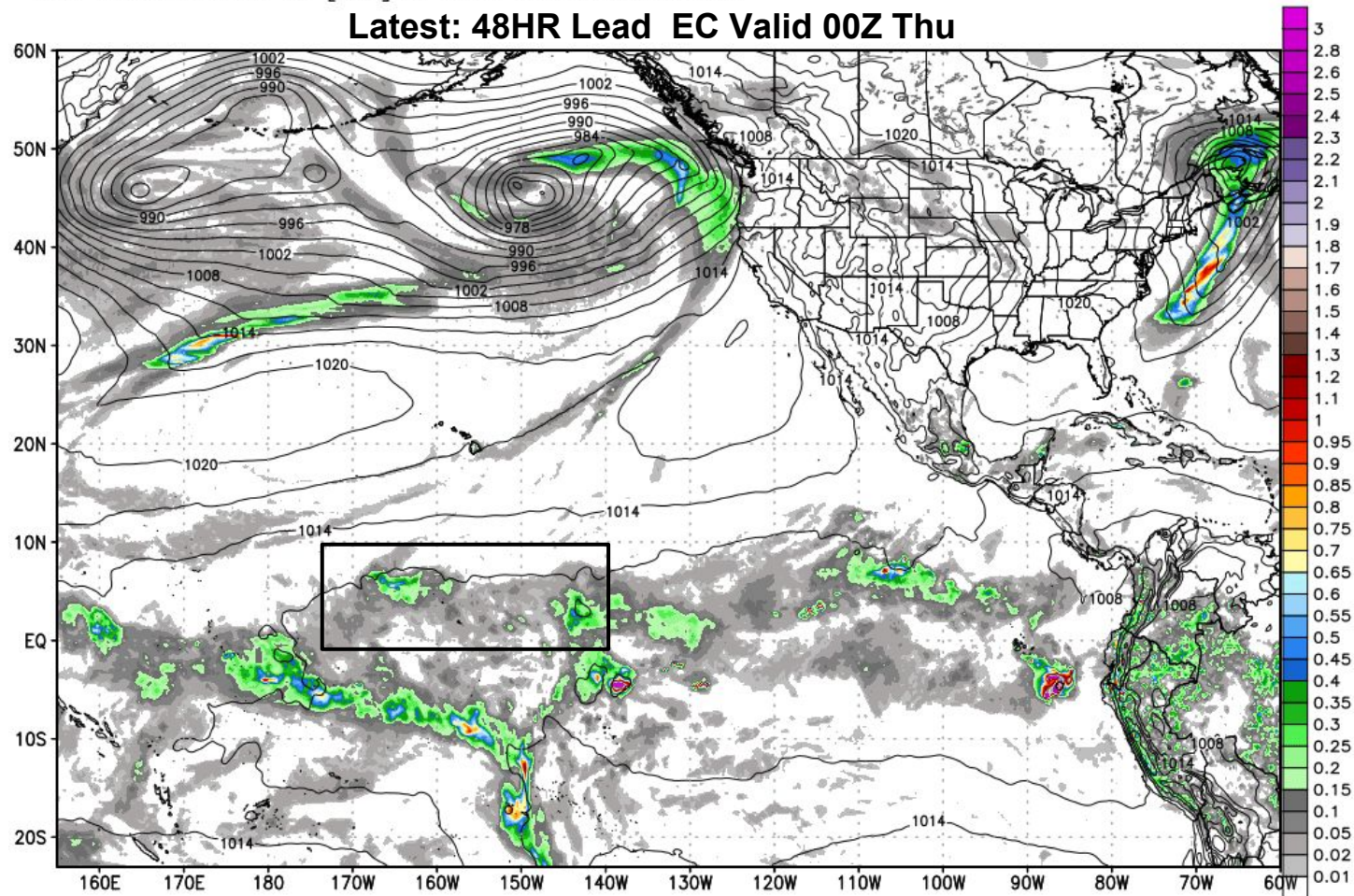


ECMWF 6-hourly Precipitation [inches] between 00Z02MAR2016 -- 06Z02MAR2016 & MSLP [hPa]
INIT: 00Z01MAR2016 fx: [030] hr --> Wed 06Z02MAR2016



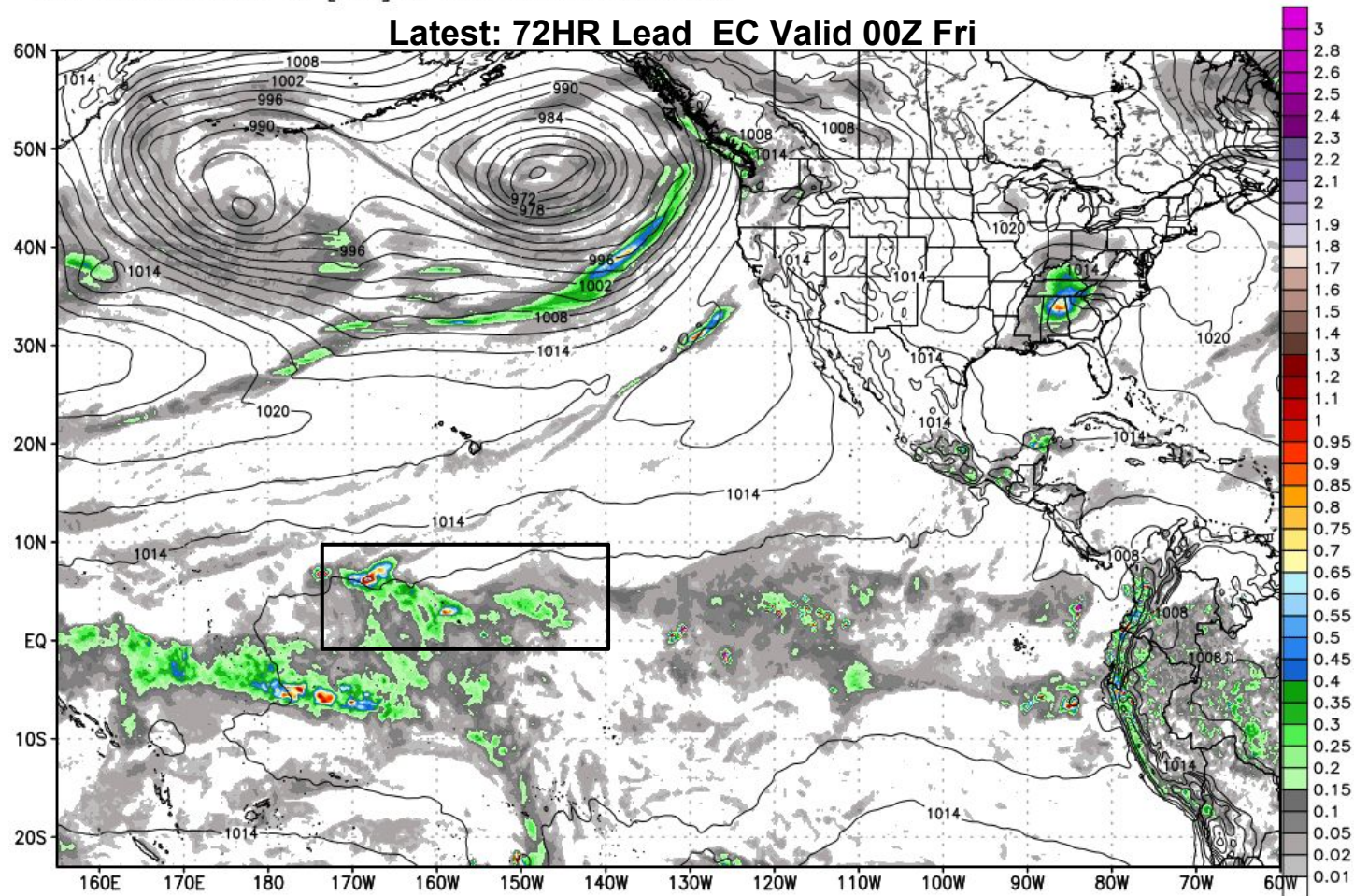
ECMWF 6-hourly Precipitation [inches] between 18Z02MAR2016 -- 00Z03MAR2016 & MSLP [hPa]
INIT: 00Z01MAR2016 fx: [048] hr --> Thu 00Z03MAR2016

Latest: 48HR Lead EC Valid 00Z Thu

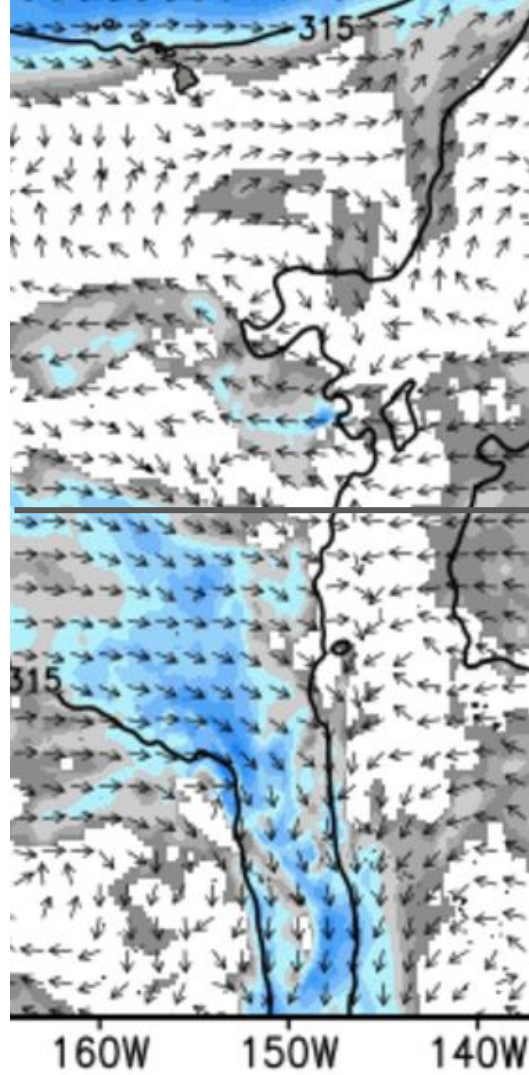


ECMWF 6-hourly Precipitation [inches] between 18Z03MAR2016 -- 00Z04MAR2016 & MSLP [hPa]
INIT: 00Z01MAR2016 fx: [072] hr --> Fri 00Z04MAR2016

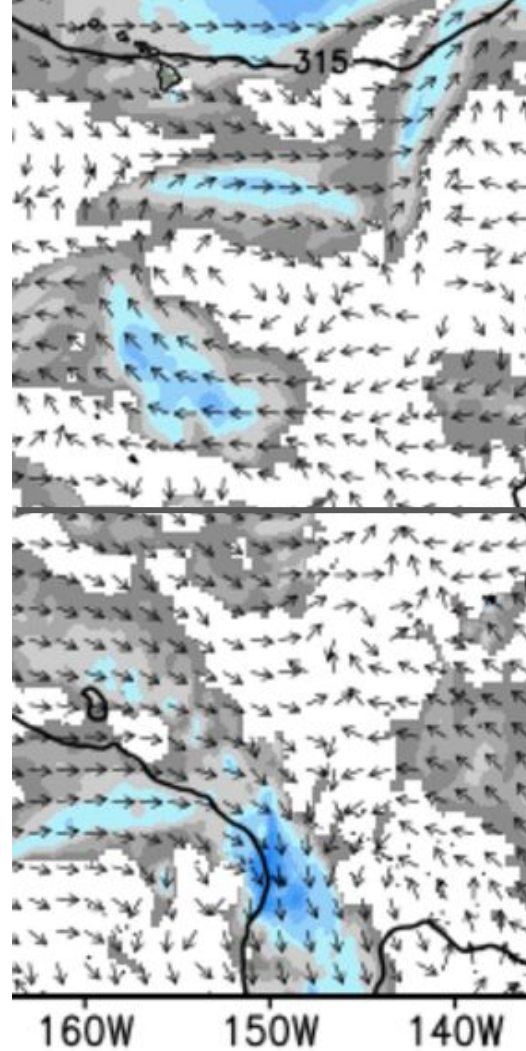
Latest: 72HR Lead EC Valid 00Z Fri



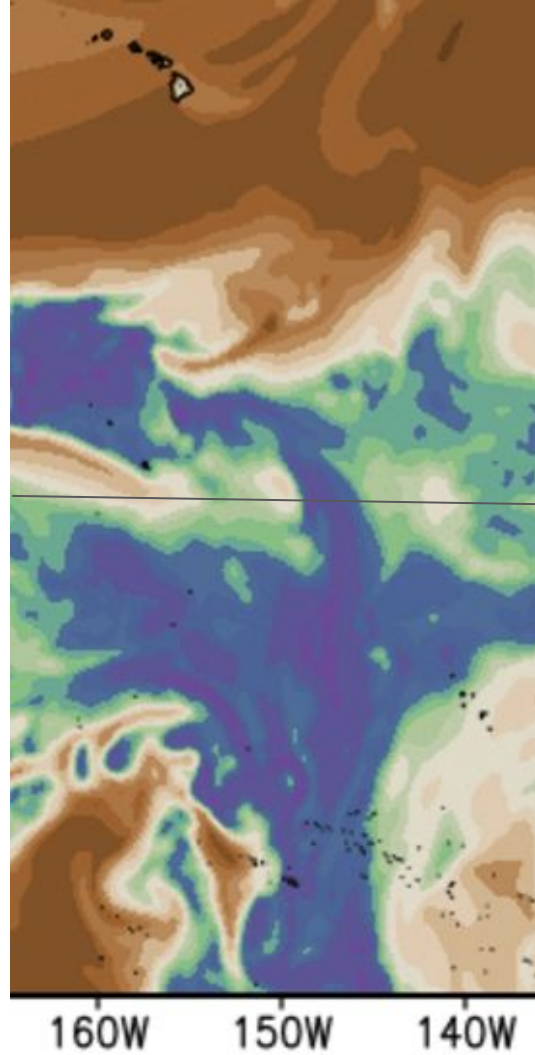
EC 700winds, 06Z Wed



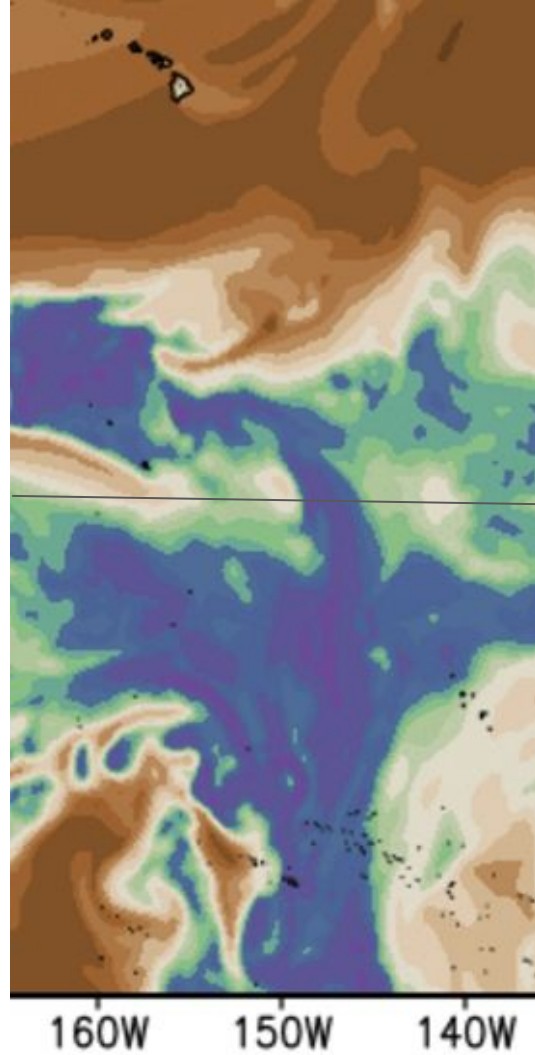
EC 700winds, 00Z Thu



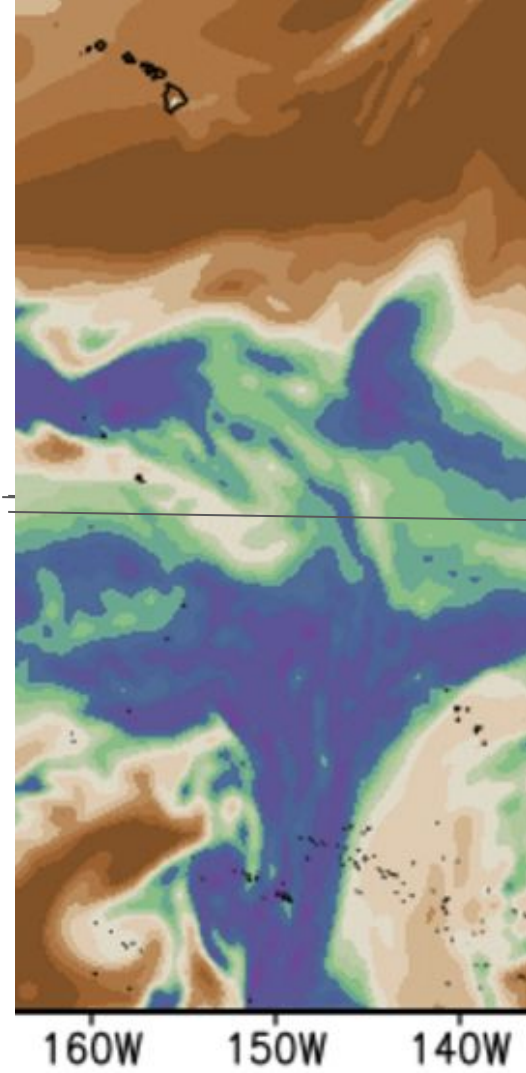
GFS 00Z Wed 700 RH



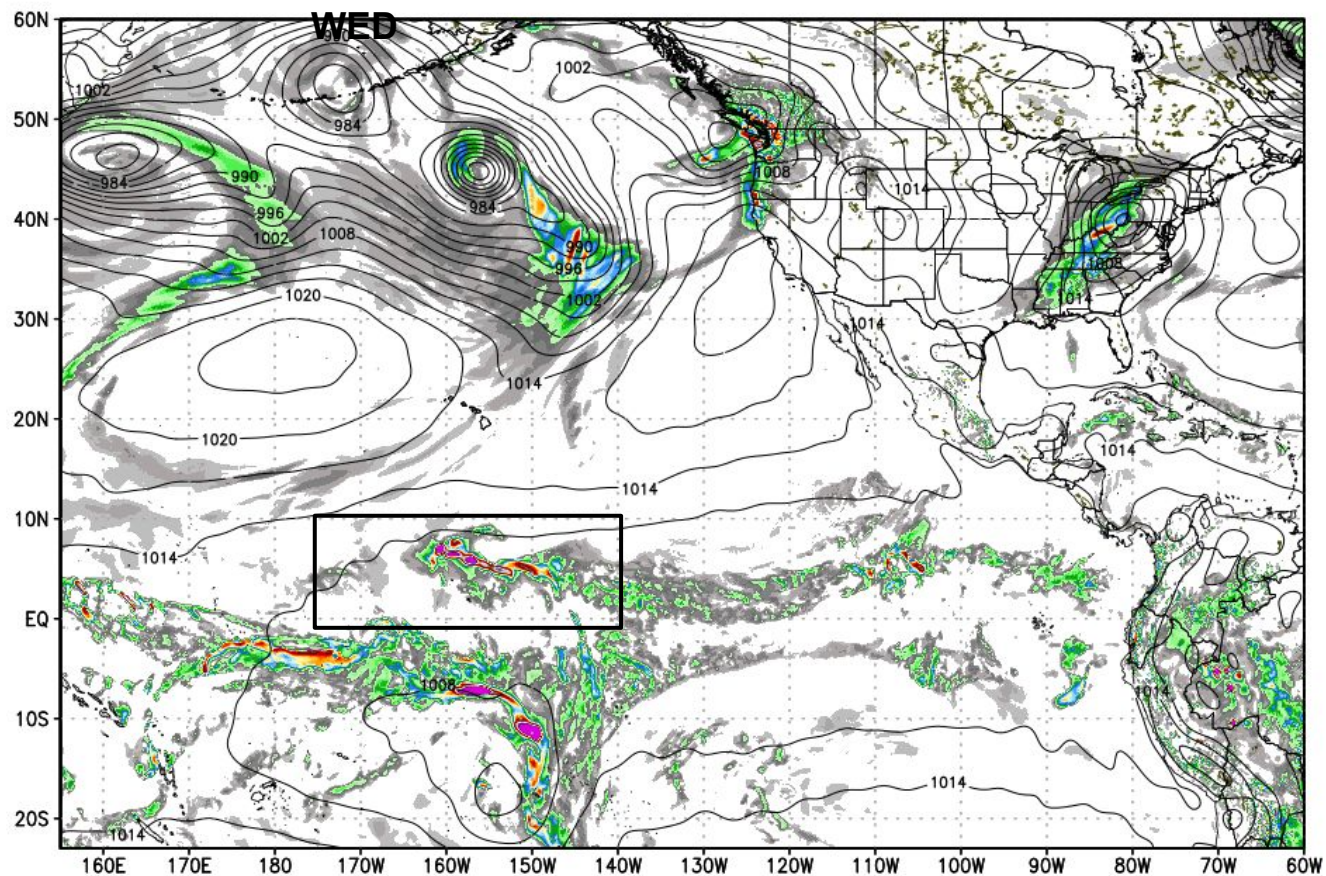
GFS 00Z Wed 700 RH



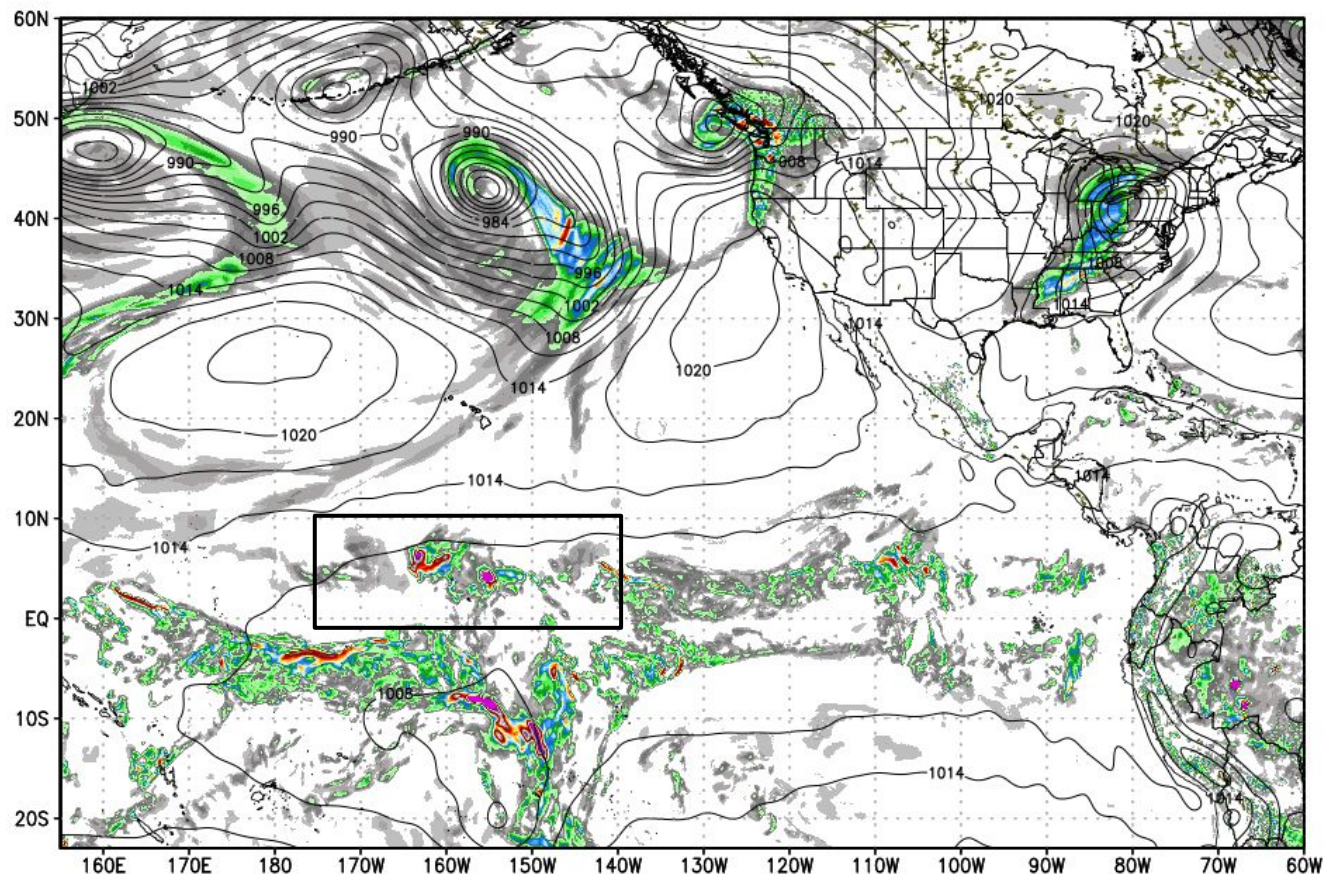
GFS 00Z Thu 700 RH

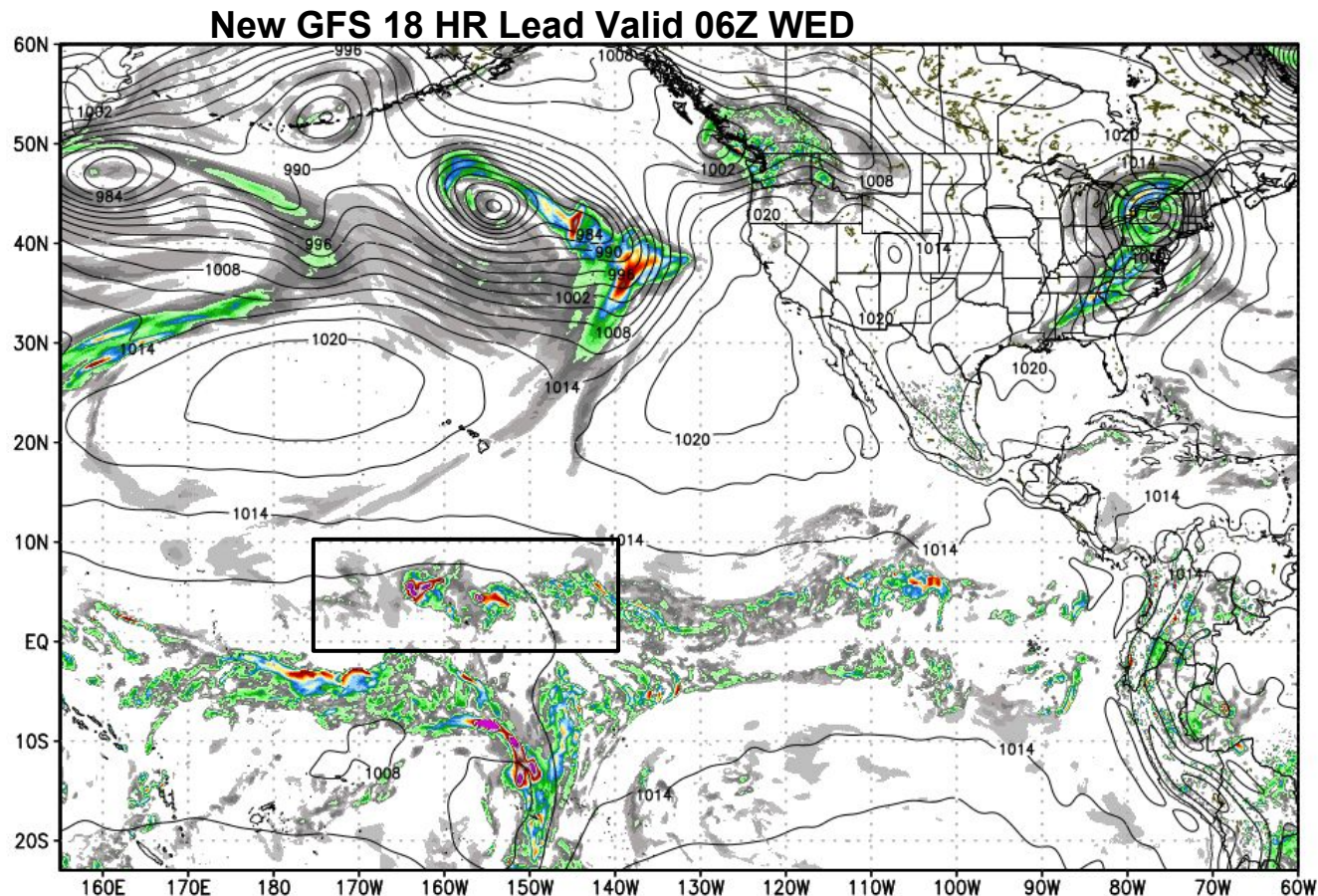


Prior GFS 36 HR Lead Valid 00Z



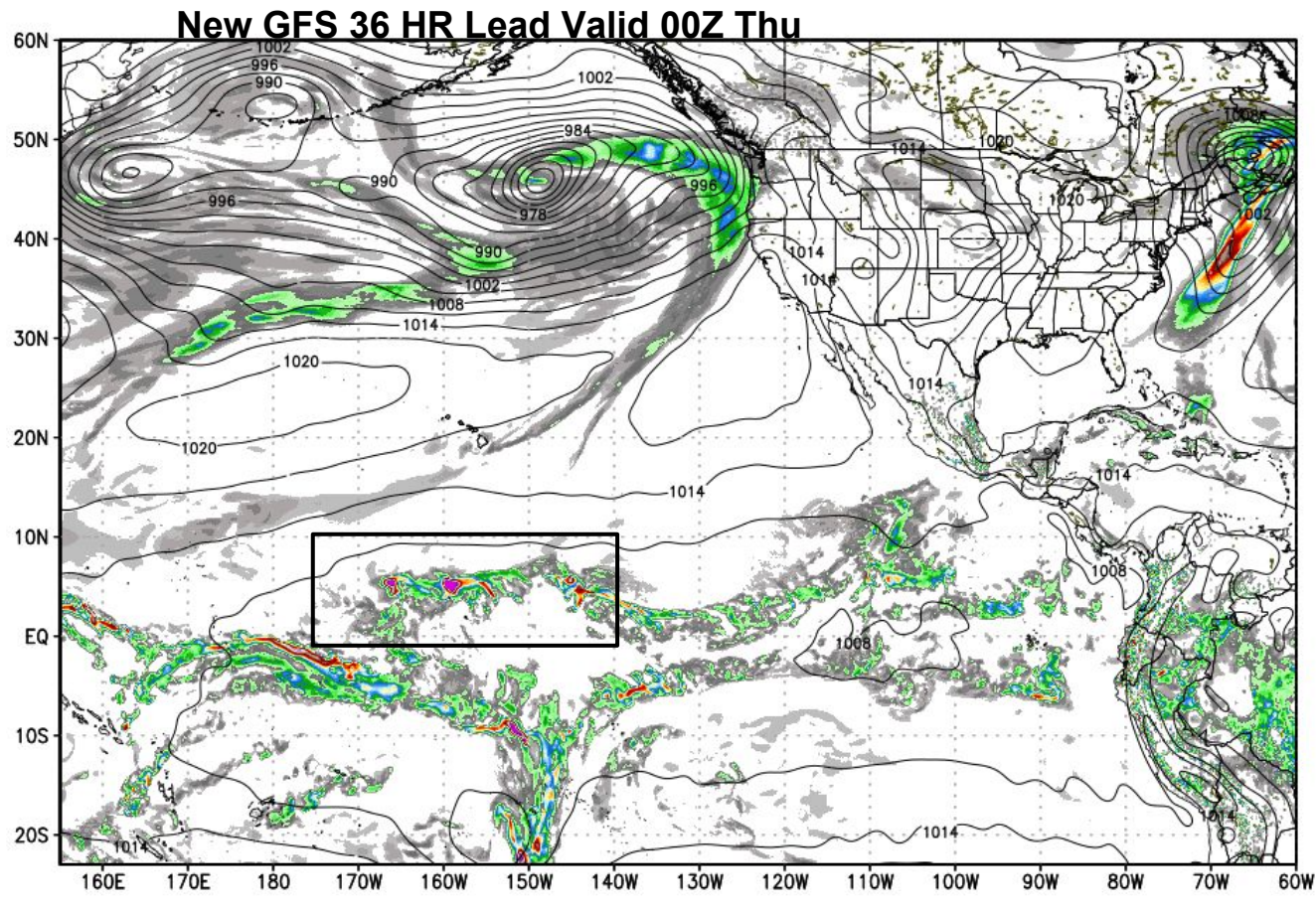
New GFS 12 HR Lead Valid 00Z WED



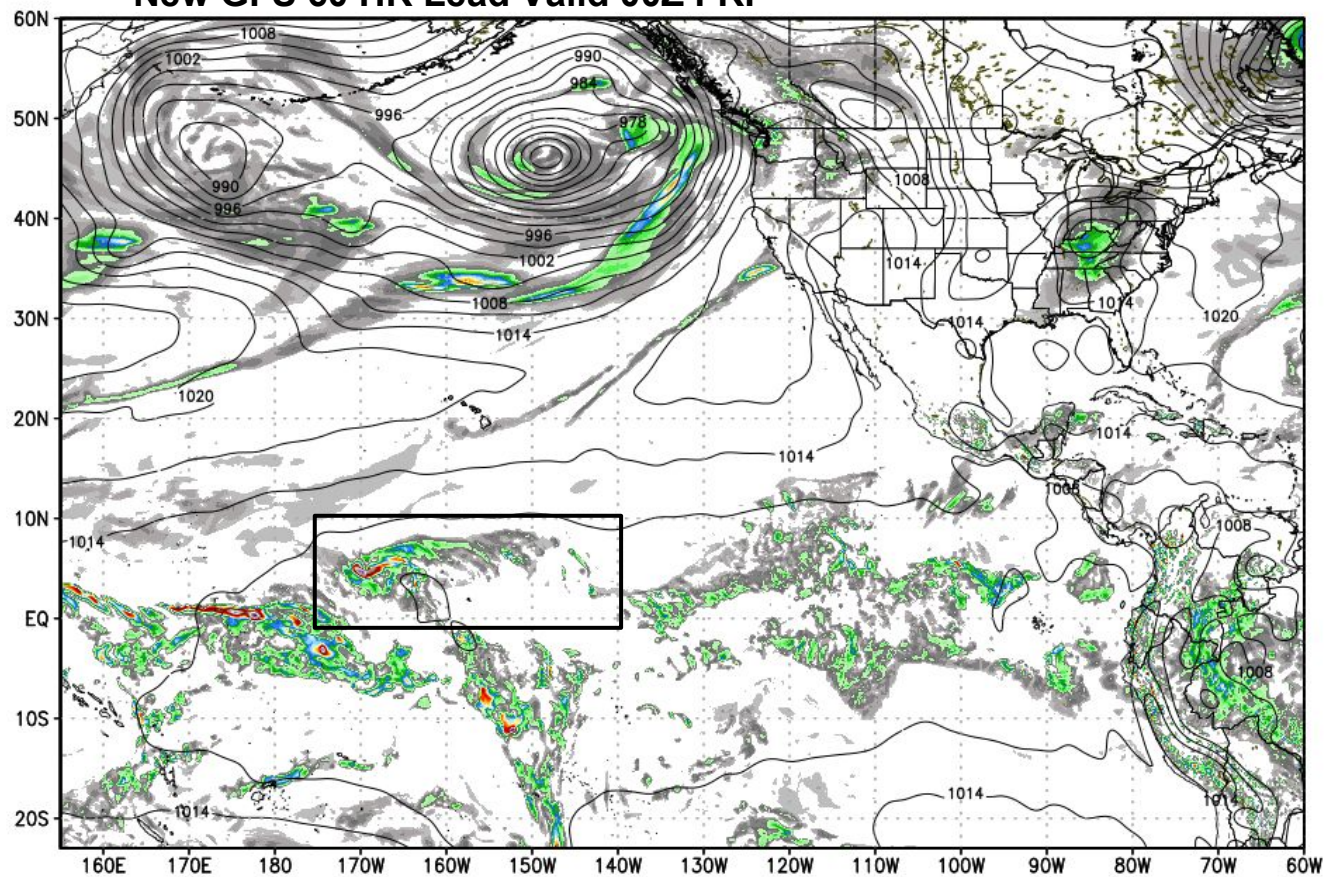


NCEP GFS 6-hourly Precipitation [inch] & MSLP [hPa]
INIT: 12Z01MAR2016 fx: [036] hr --> Thu 00Z03MAR2016

Max: 4.8 in.

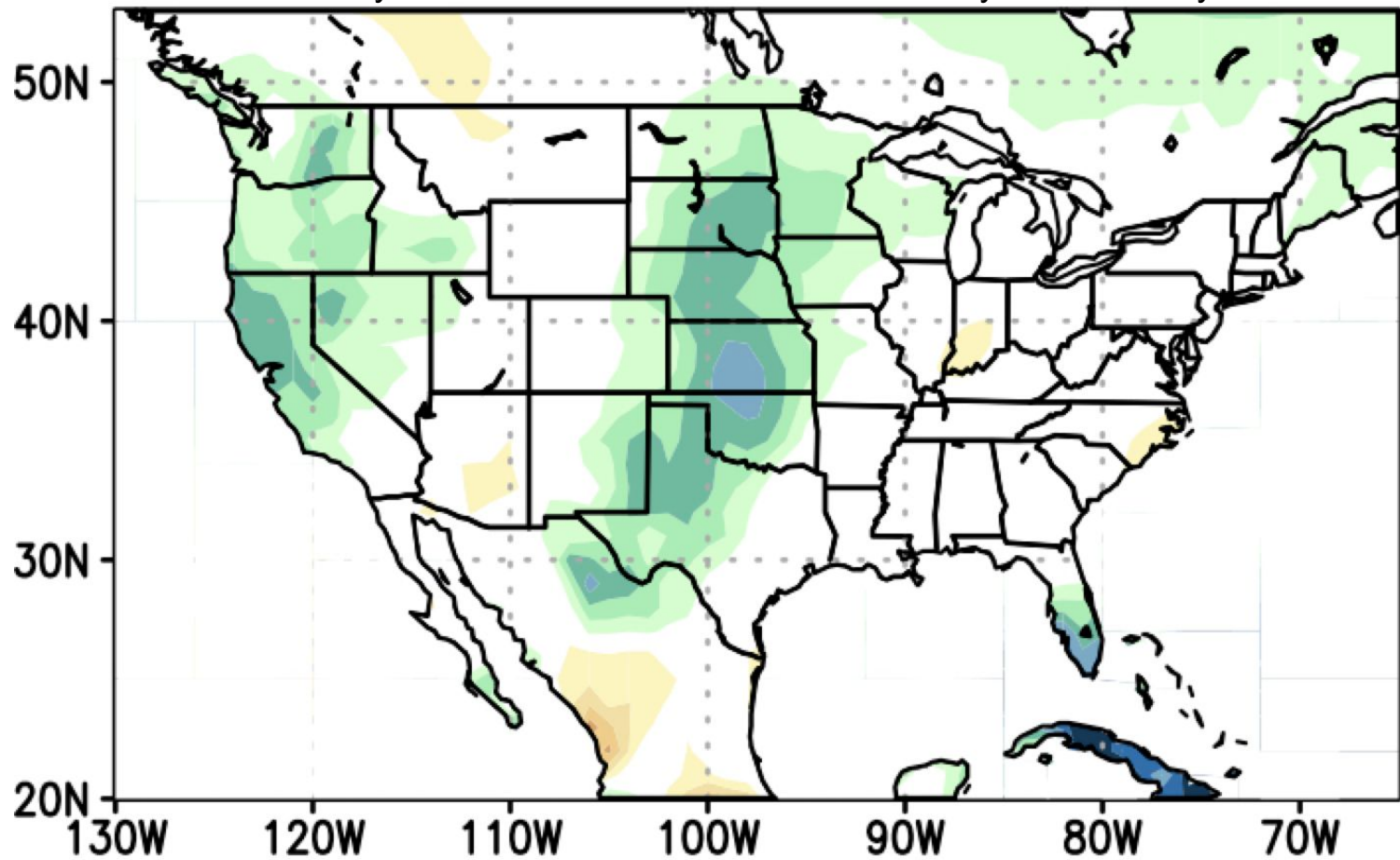


New GFS 60 HR Lead Valid 00Z FRI

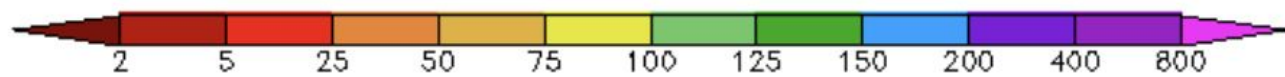
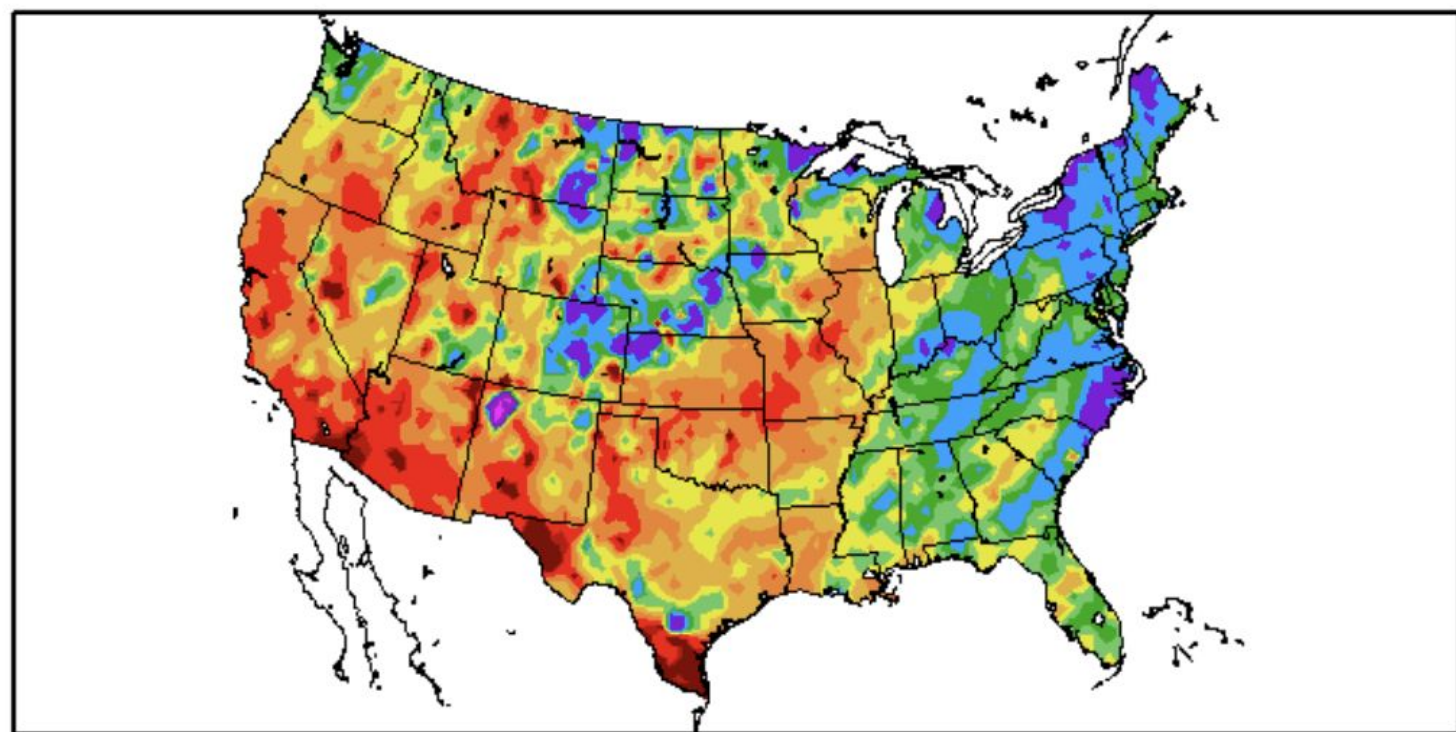


IC 20160106 to 20160214

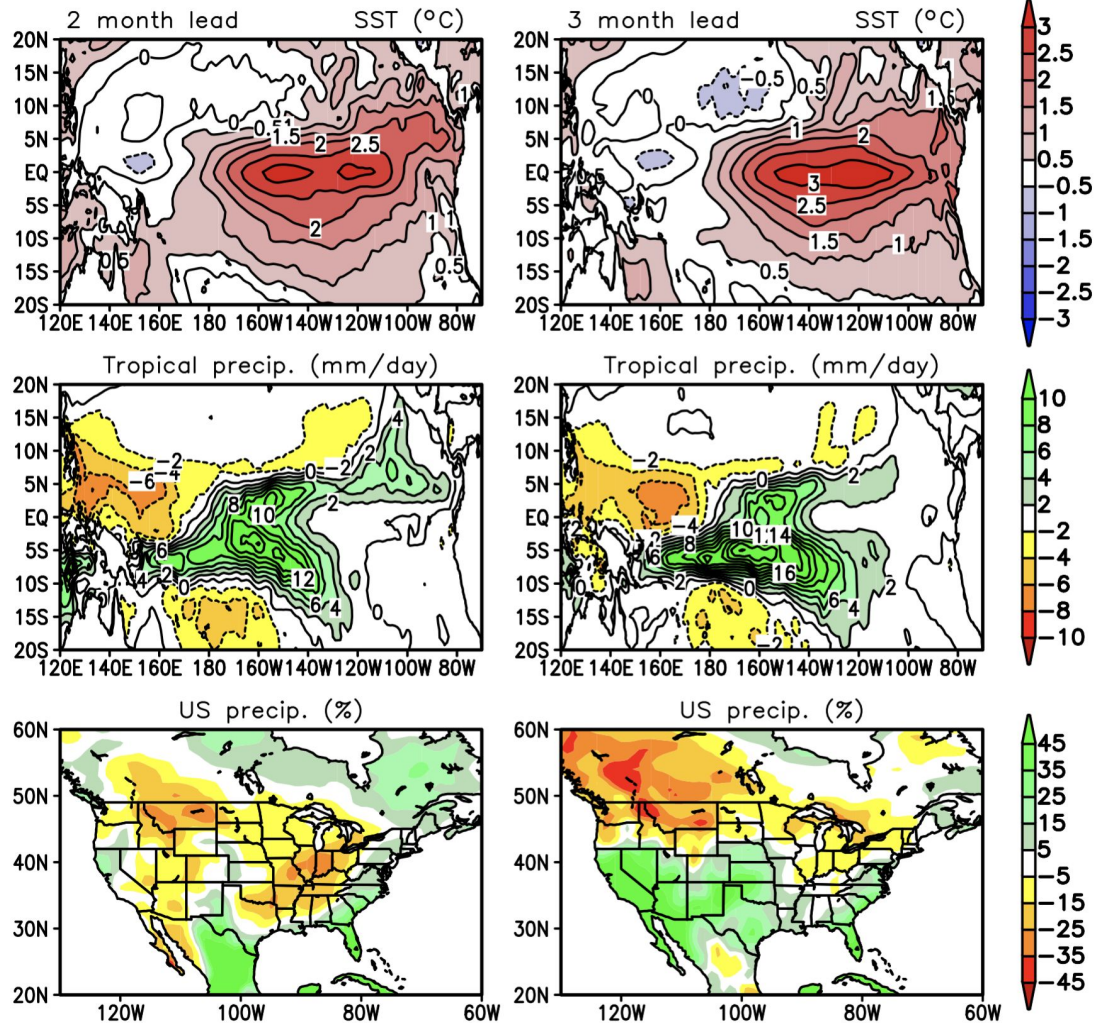
GEFS February 2016 : Actual vs Climo SSTs All Daily Fcsts >15day Leads



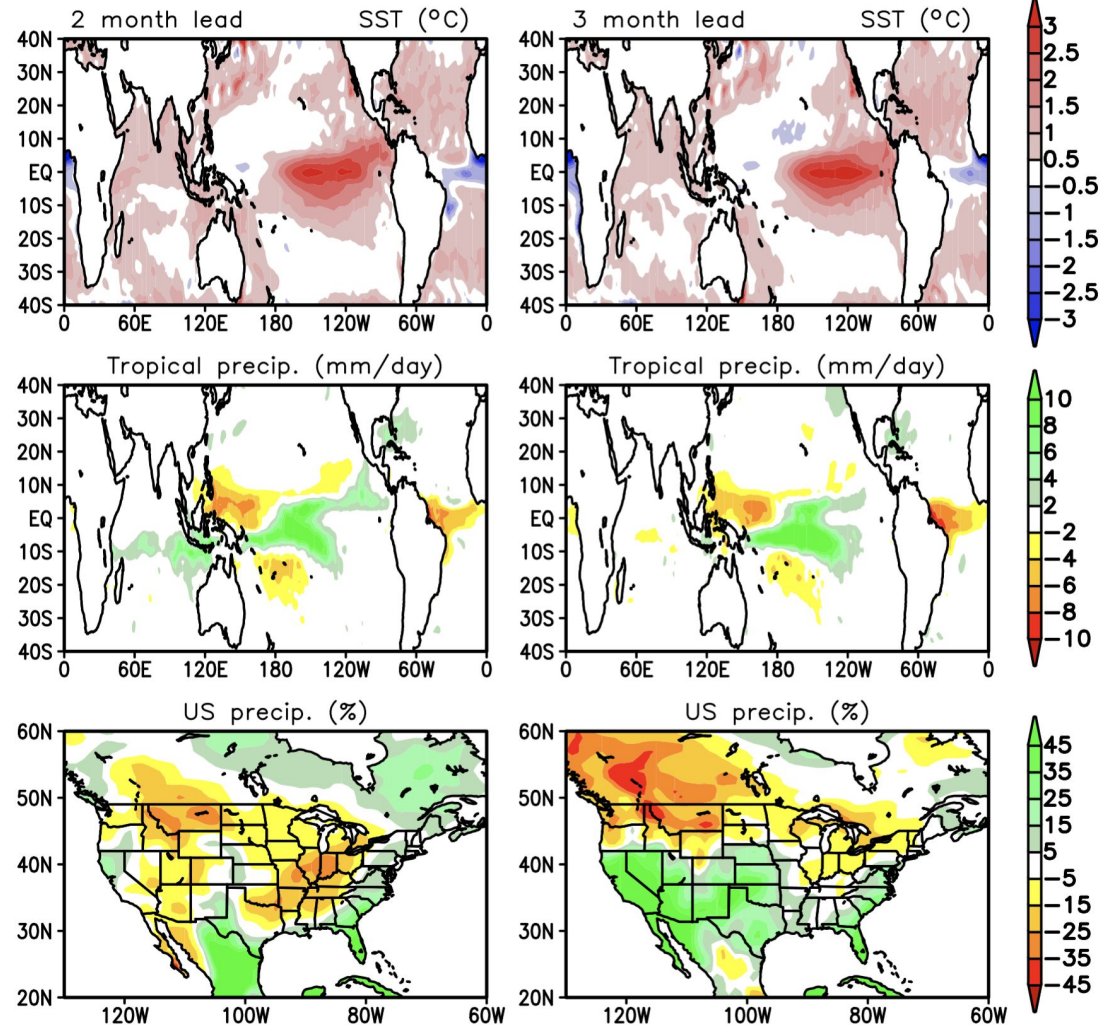
Percent of Normal Precipitation (%)
2/1/2016 – 2/29/2016



CFSv2 reforecast for Feb 2016, 2 month lead (16 mem) vs. 3 month lead (16 mem)

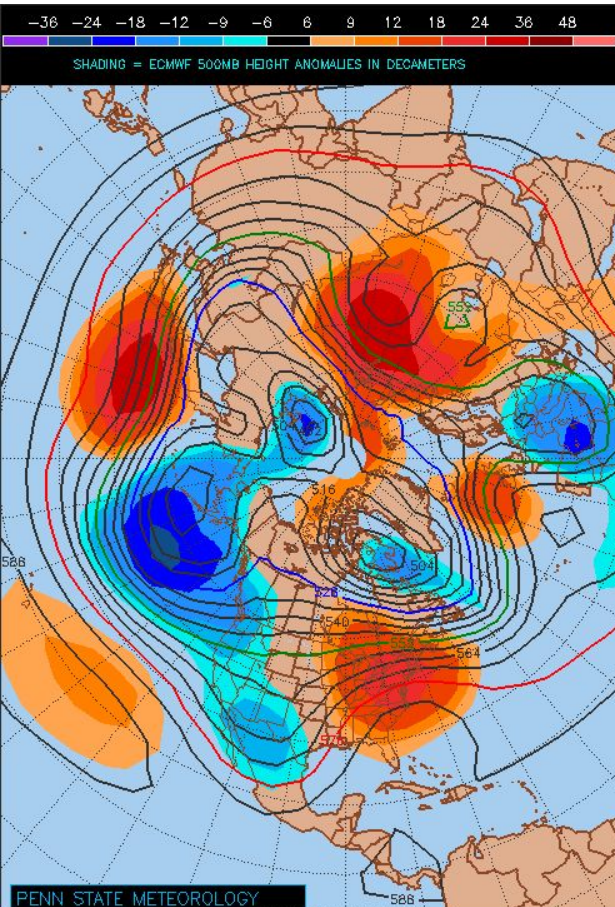


CFSv2 reforecast for Feb 2016, 2 month lead (16 mem) vs. 3 month lead (16 mem)

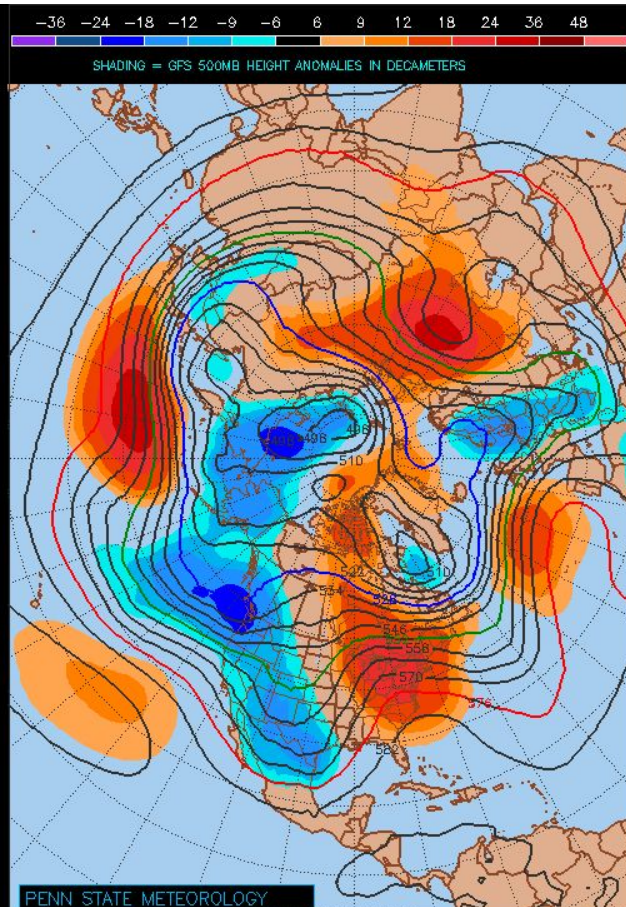


Medium - Long Range Forecast

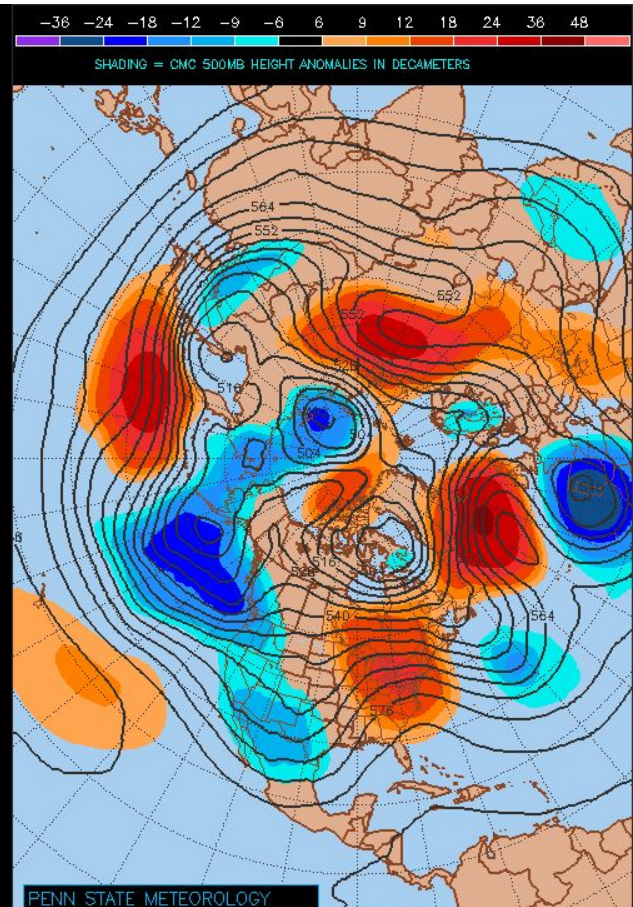
Day 7-10 Initialized 00Z Tue 1Mar



ECMWF 168-240 HR MEAN 500MB HGT
ENDING TIME = FRI 160301Z/0000V240 MON 080309Z/0000V000
INITIAL TIME = 160301Z/0000F240



GFS 168-240 HR MEAN 500MB HGT



CMC 168-240 HR MEAN 500MB HGT



6-10 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 29 FEB 2016
VALID MAR 06 - 10, 2016

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

90% 80% 70% 60% 50% 40% 33% 33% 40% 50% 60% 70% 80% 90%

Probability of Below

Normal

Probability of Above



8-14 DAY OUTLOOK
PRECIPITATION PROBABILITY
MADE 29 FEB 2016
VALID MAR 08 - 14, 2016

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

90% 80% 70% 60% 50% 40% 33% 33% 40% 50% 60% 70% 80% 90%

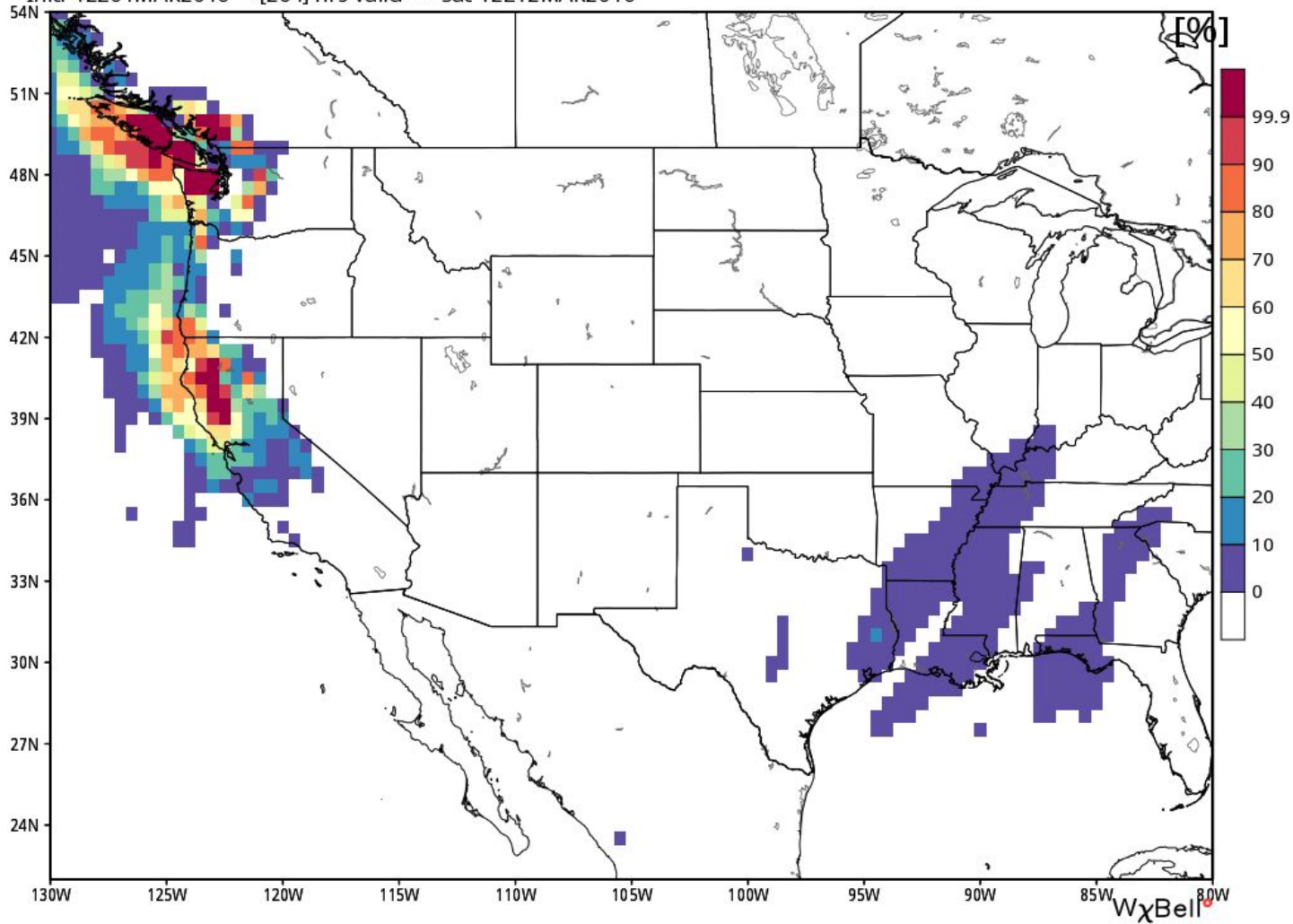
Probability of Below

Normal

Probability of Above

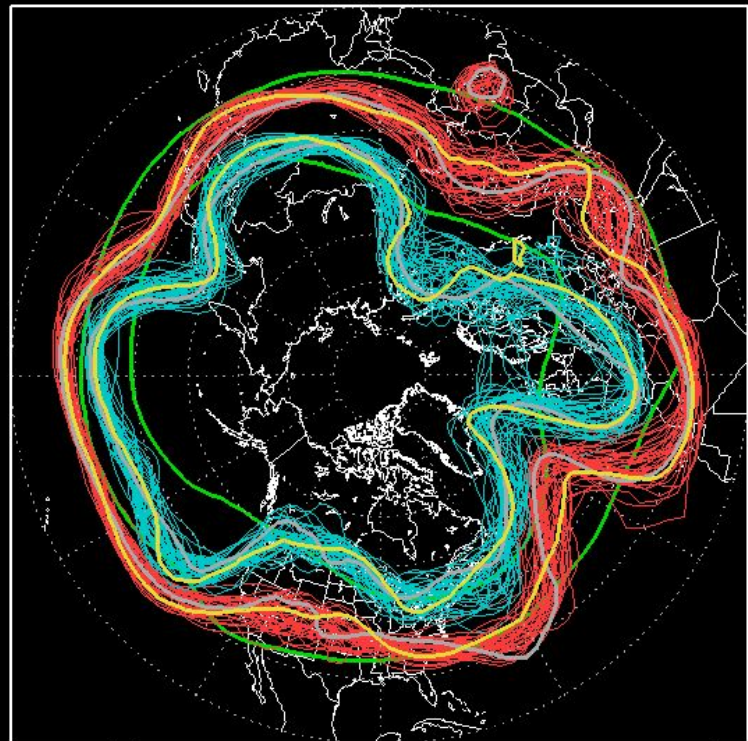
NCEP GEFS [T574] Probability [%] Total Precipitation ≥ 6.0 inch + Ensemble Mean Contours

Init: 12Z01MAR2016 +[264] hrs Valid --> Sat 12Z12MAR2016



NCEP ENSEMBLE 500mb Z

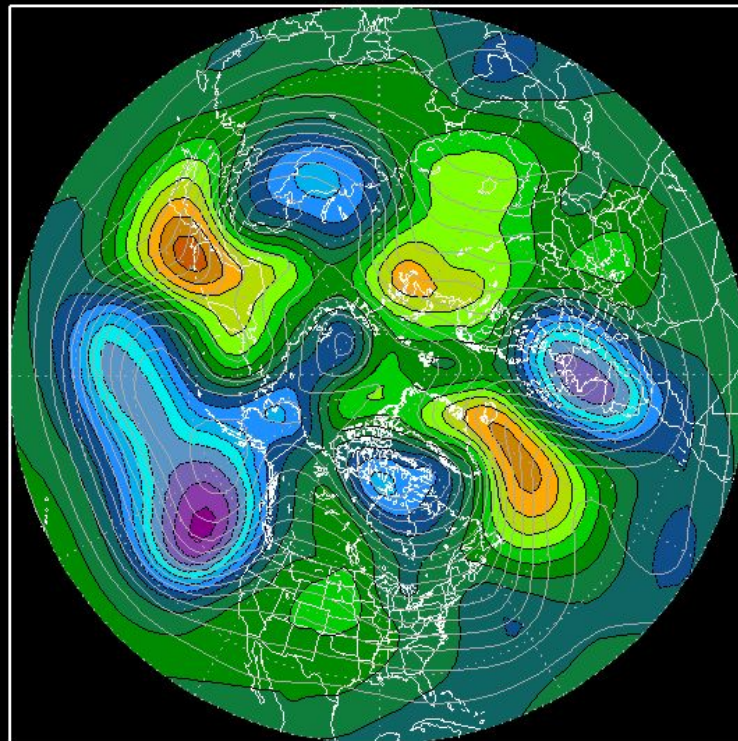
144H Forecast from: 00Z Mon FEB,29 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

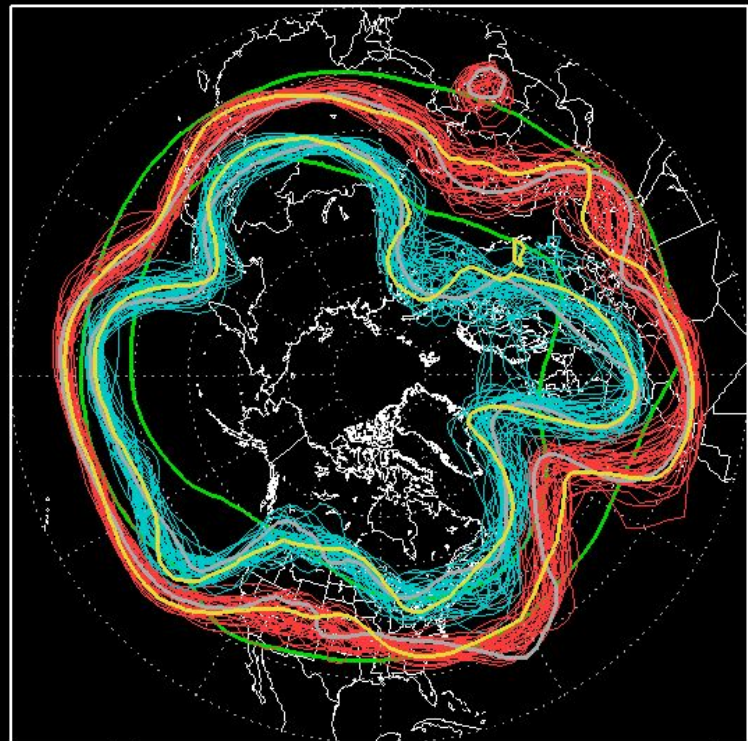
144H Forecast from: 00Z Mon FEB,29 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

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

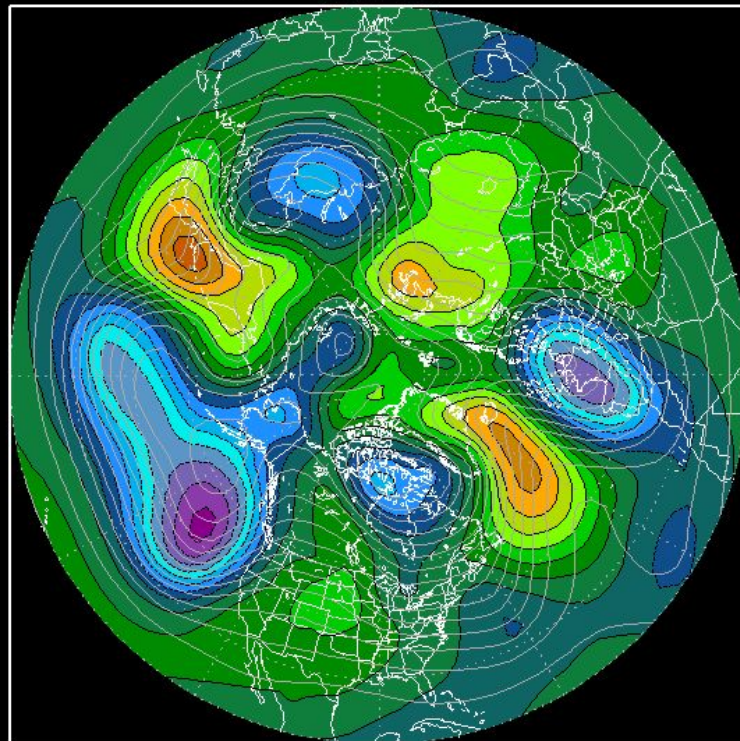


00z Runs:(21) 12z Runs:(21)

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

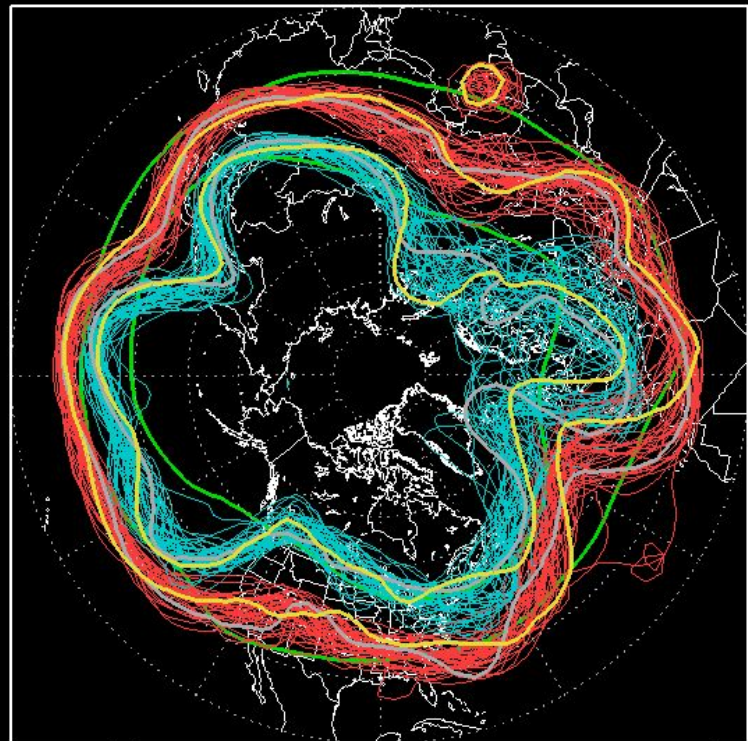
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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



NCEP ENSEMBLE 500mb Z

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

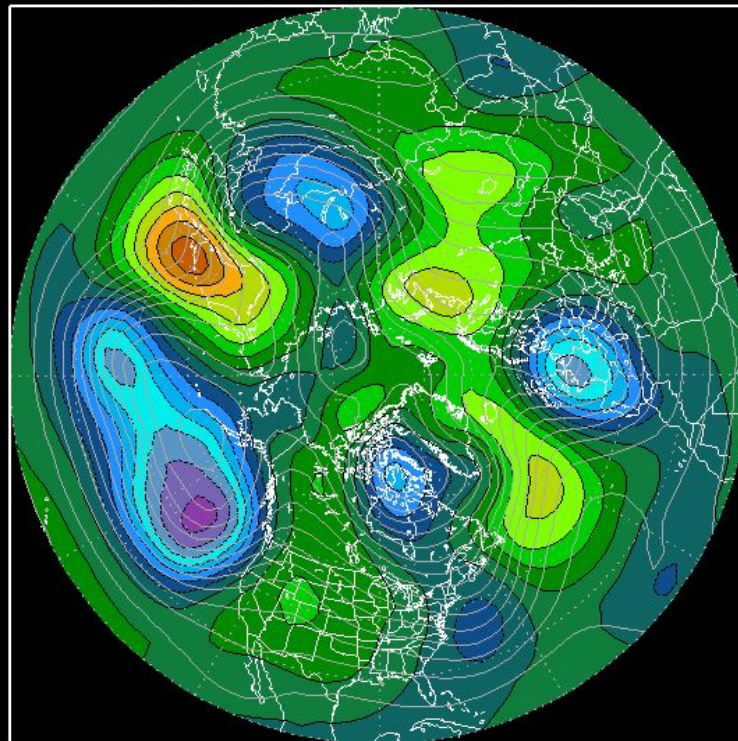


00z Runs:(21) 12z Runs:(21)

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

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

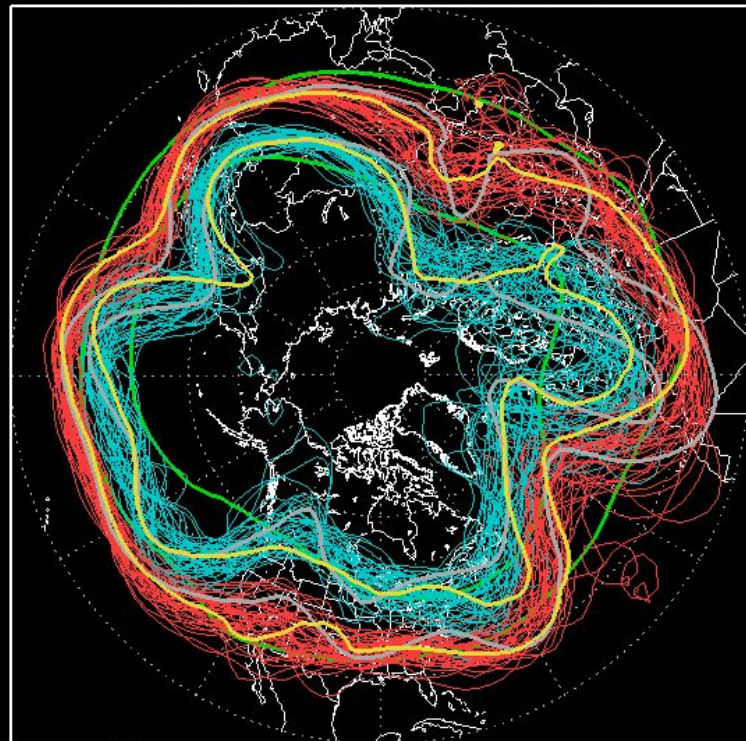
168H Forecast from: 00Z Sun FEB,28 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

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

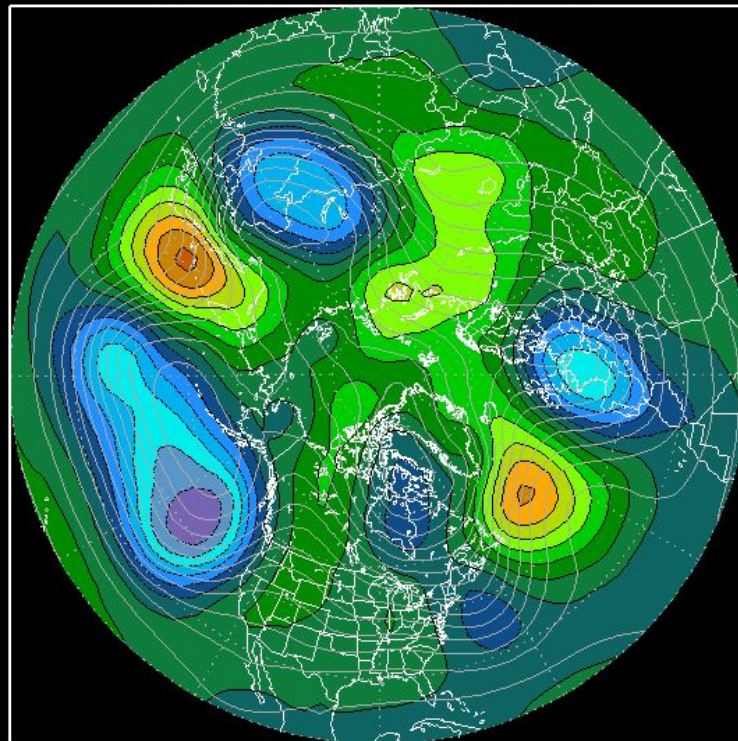


00z Runs:(21) 12z Runs:(21)

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

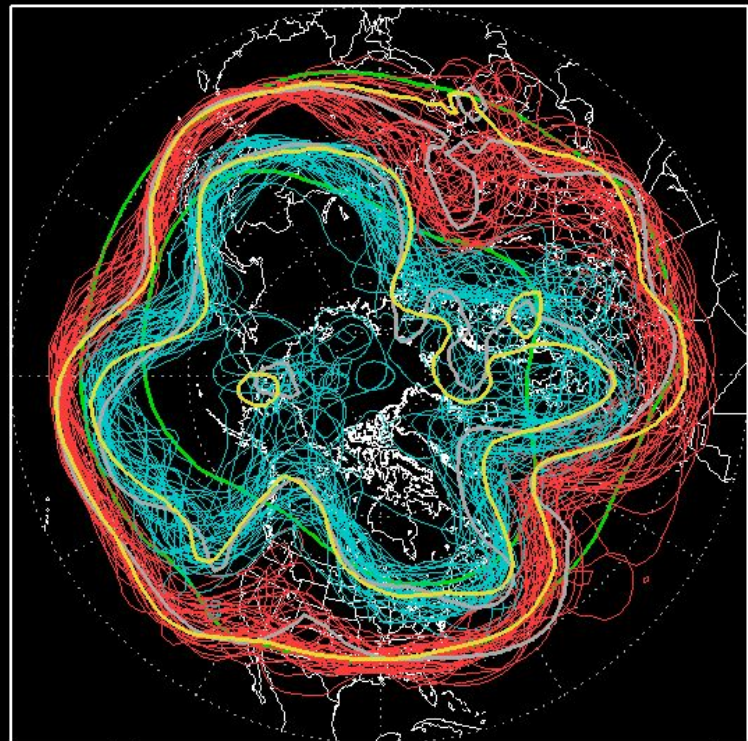
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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



NCEP ENSEMBLE 500mb Z

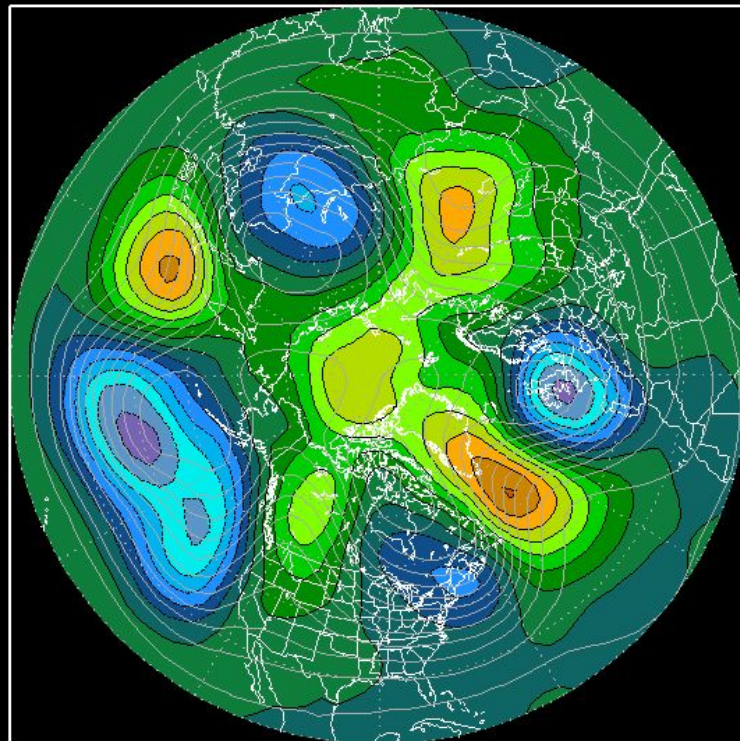
216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016



00z Runs:(21) 12z Runs:(21)
— 5400m — 5700m — Cntrl 00z — Cntrl 12z — CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

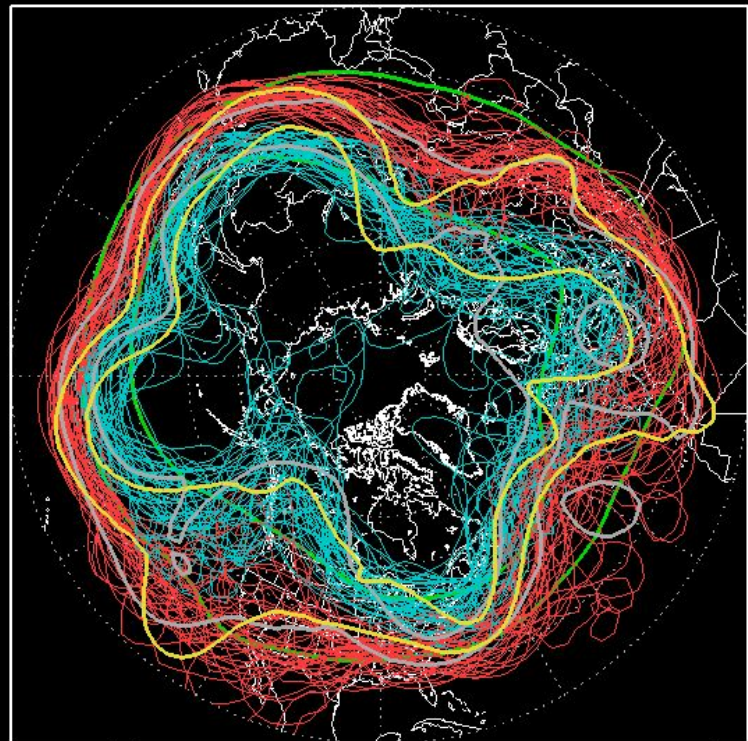
216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

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

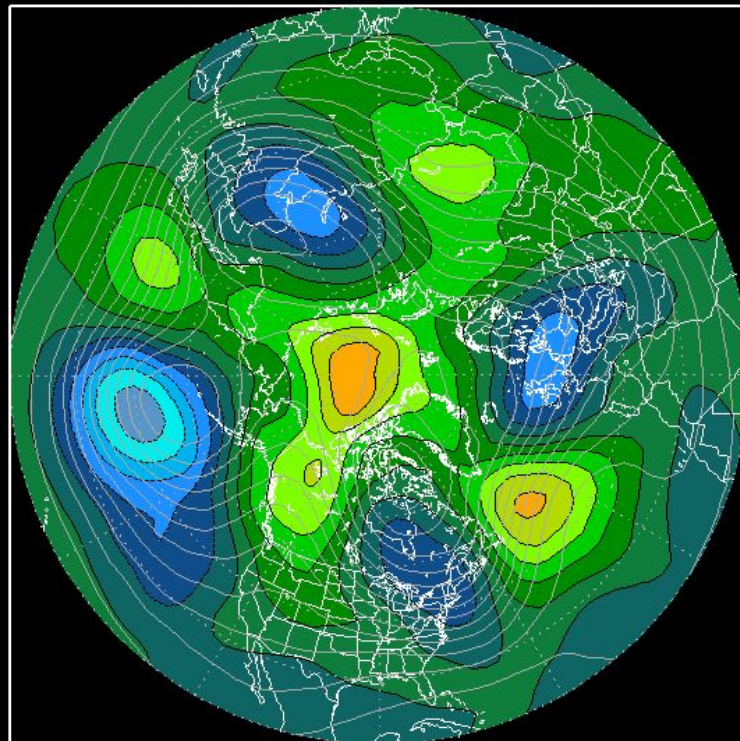


00z Runs:(21) 12z Runs:(21)

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

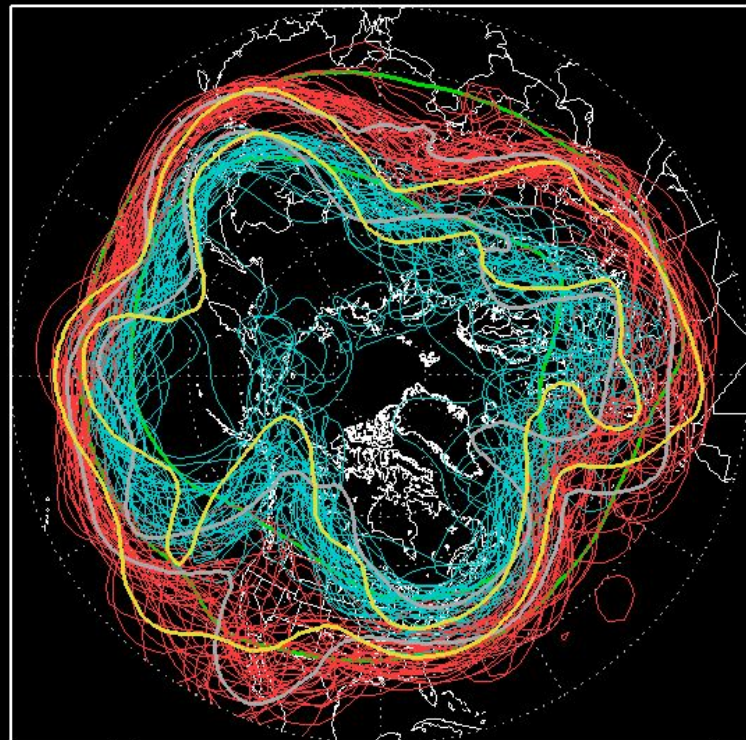
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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



NCEP ENSEMBLE 500mb Z

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

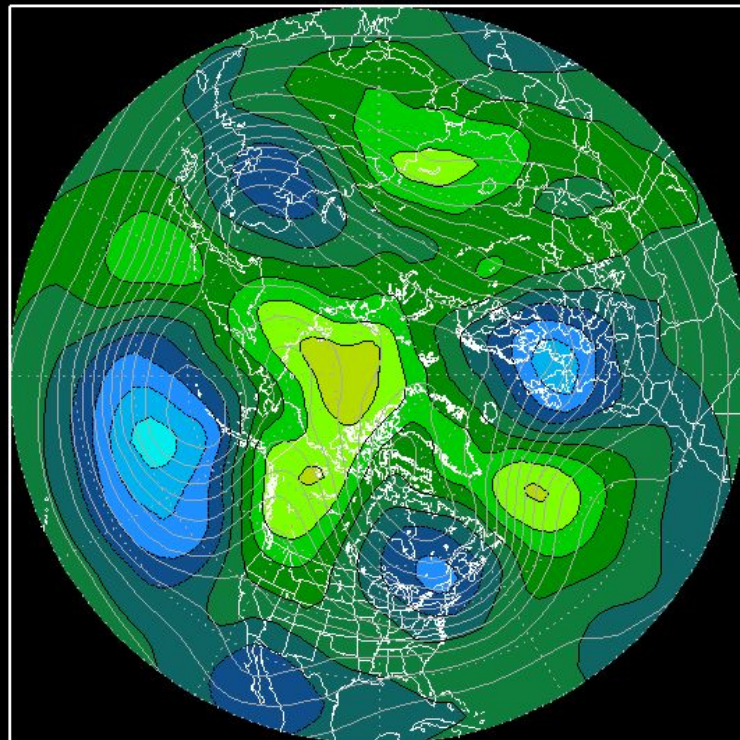


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

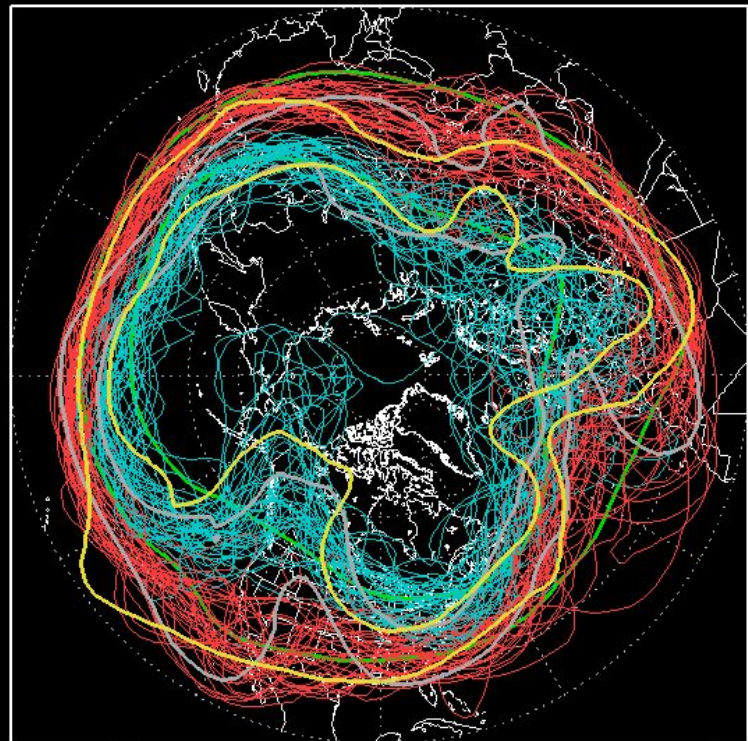
288H Forecast from: 00Z Tue FEB,23 2016
Valid time: 00Z Sun MAR,06 2016



-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

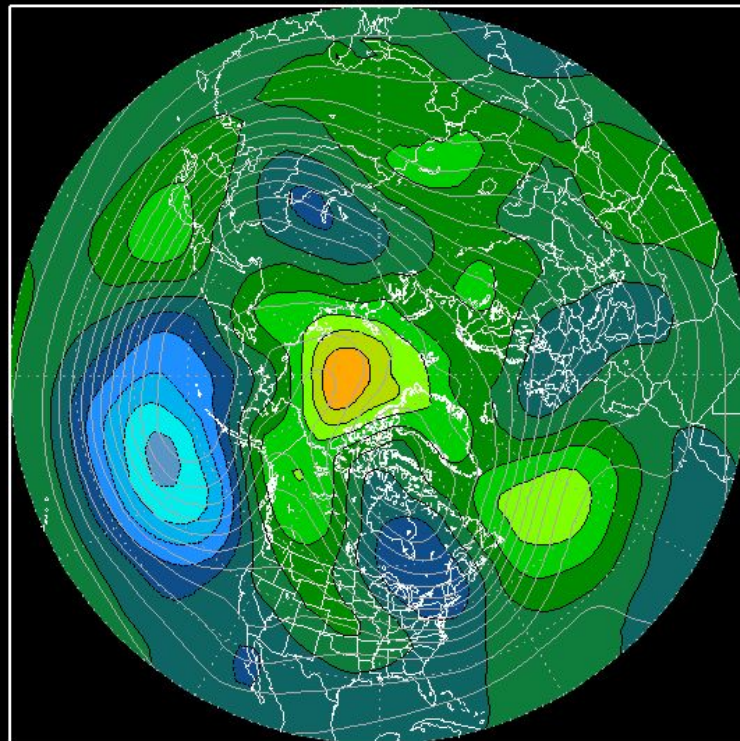


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

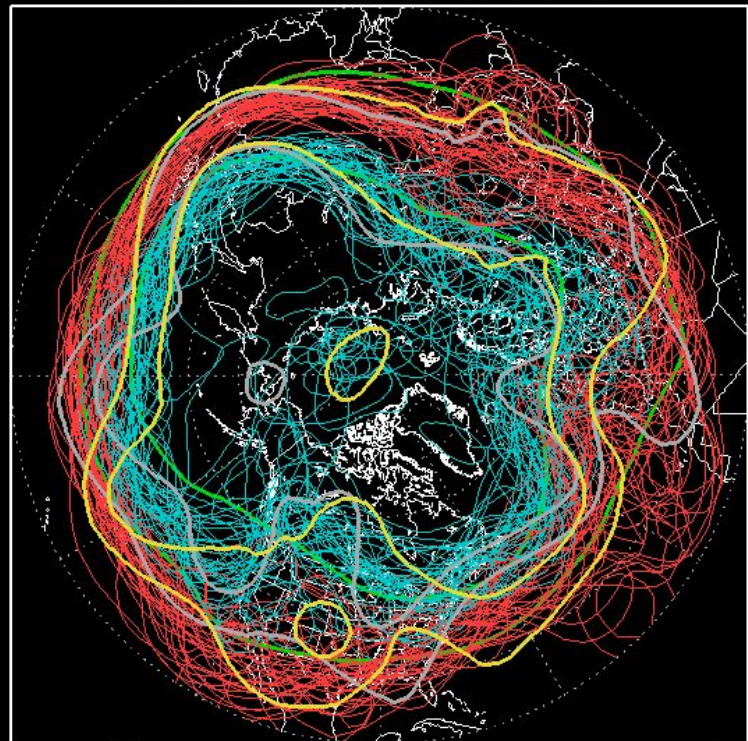
312H Forecast from: 00Z Mon FEB,22 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

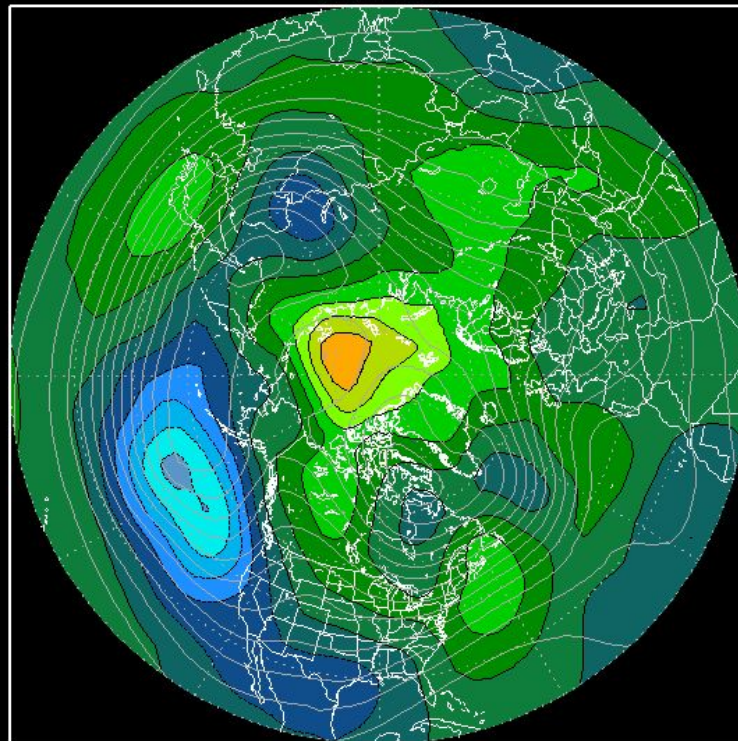
360H Forecast from: 00Z Sat FEB,20 2016
Valid time: 00Z Sun MAR,06 2016



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

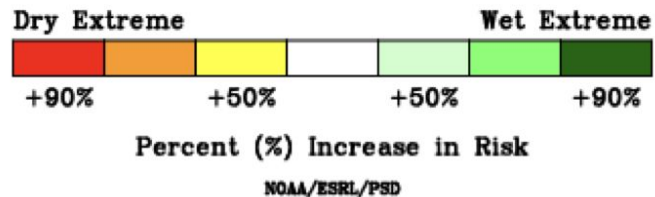
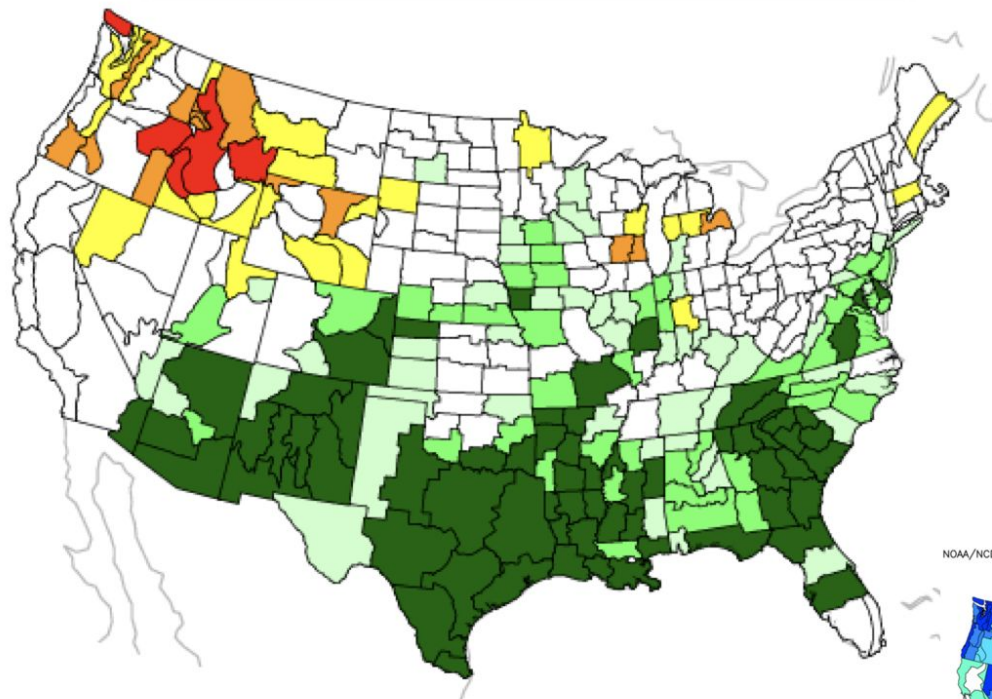
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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

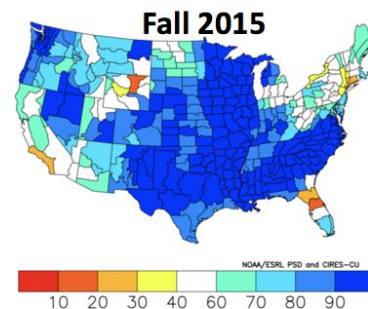


-360 -280 -200 -120 -40 40 120 200 280 360

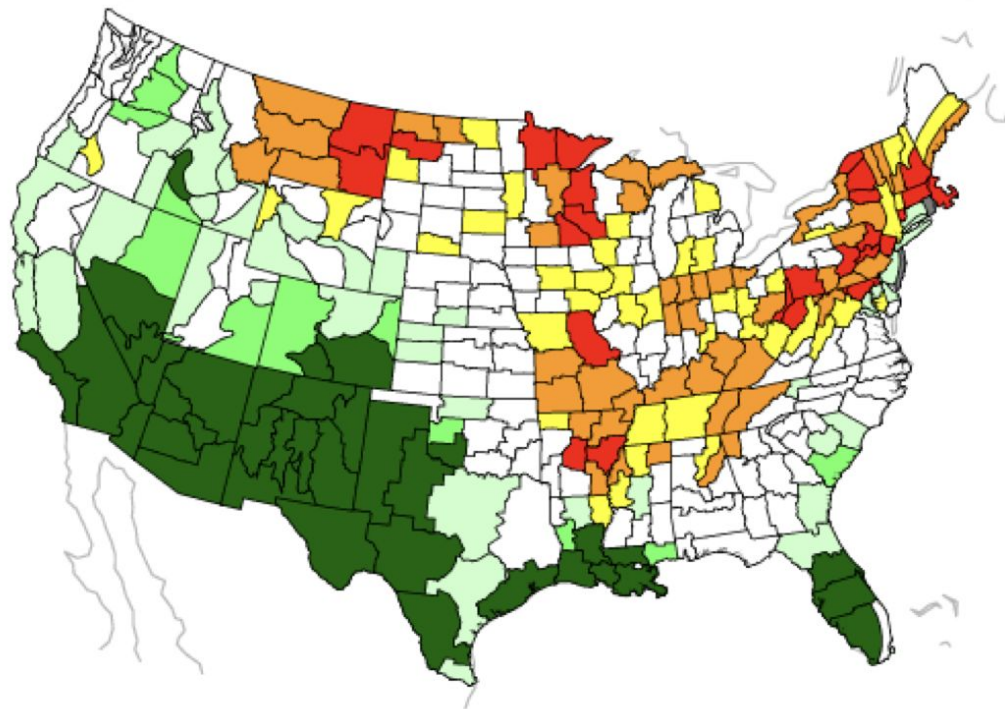
Fall Impacts of El Niño



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



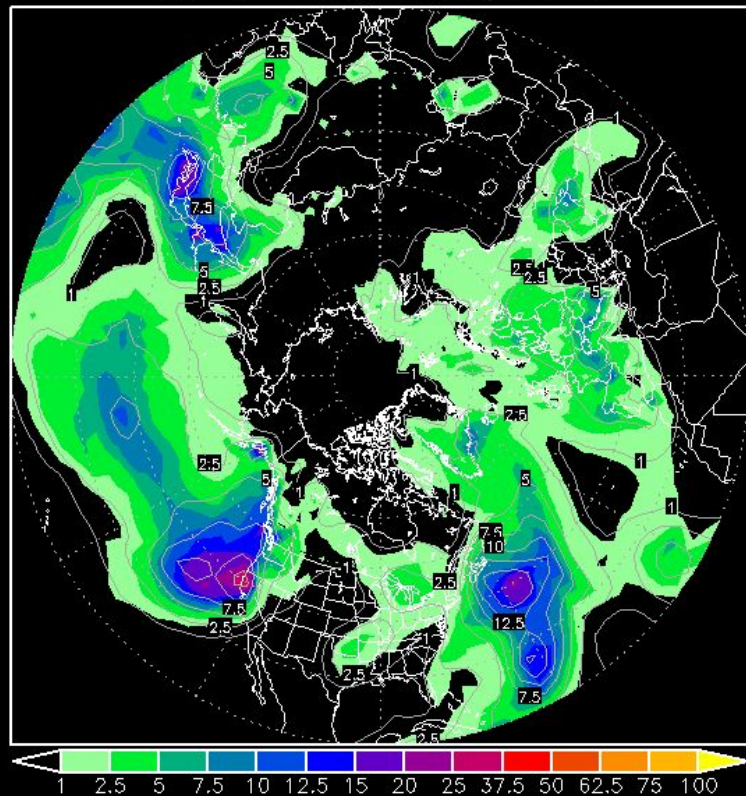
Spring Impacts of El Niño



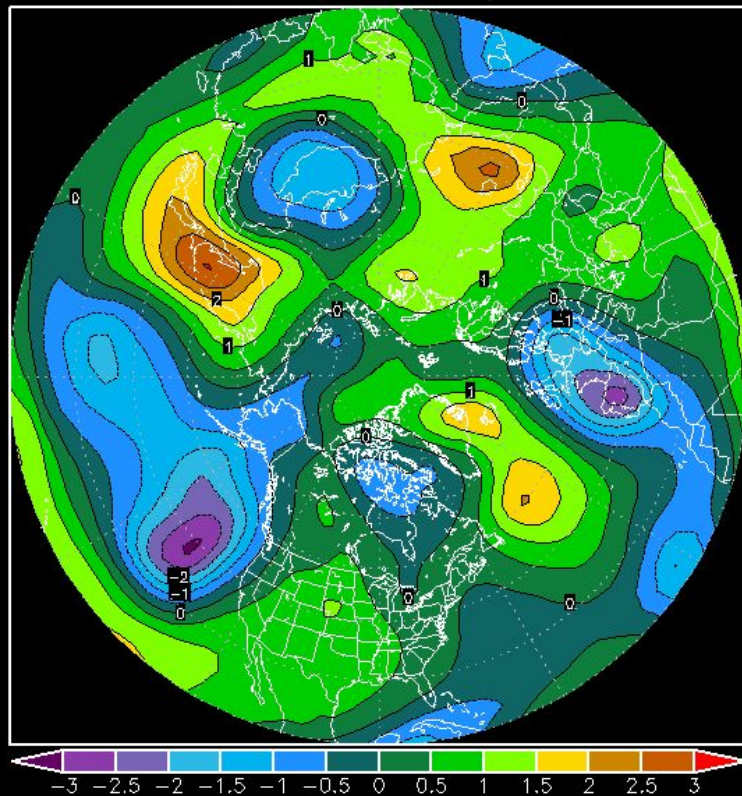
Percent (%) Increase in Risk

NOAA/ESRL/PSD

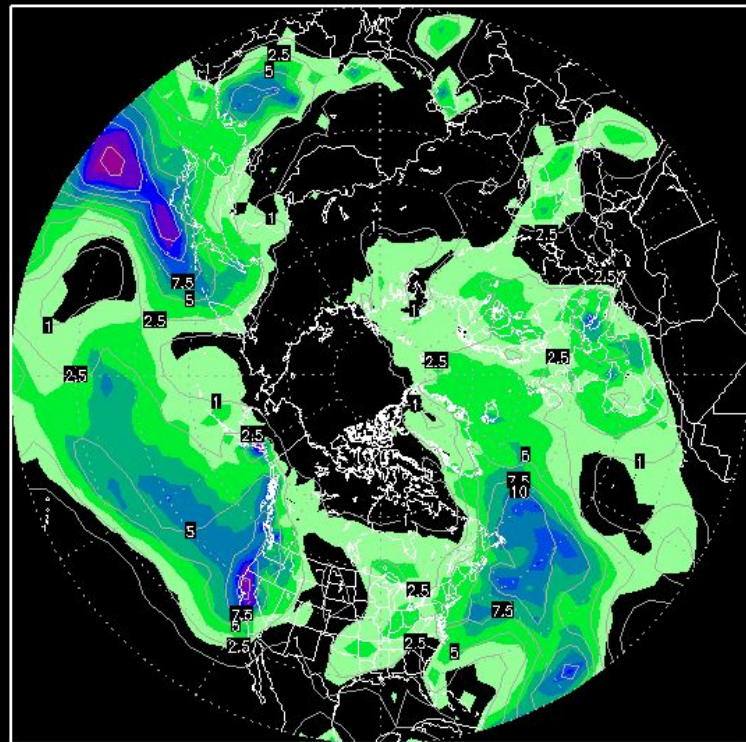
NCEP ENS MEAN PREC(color) and Std Dev(contour)
 144H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,06 2016



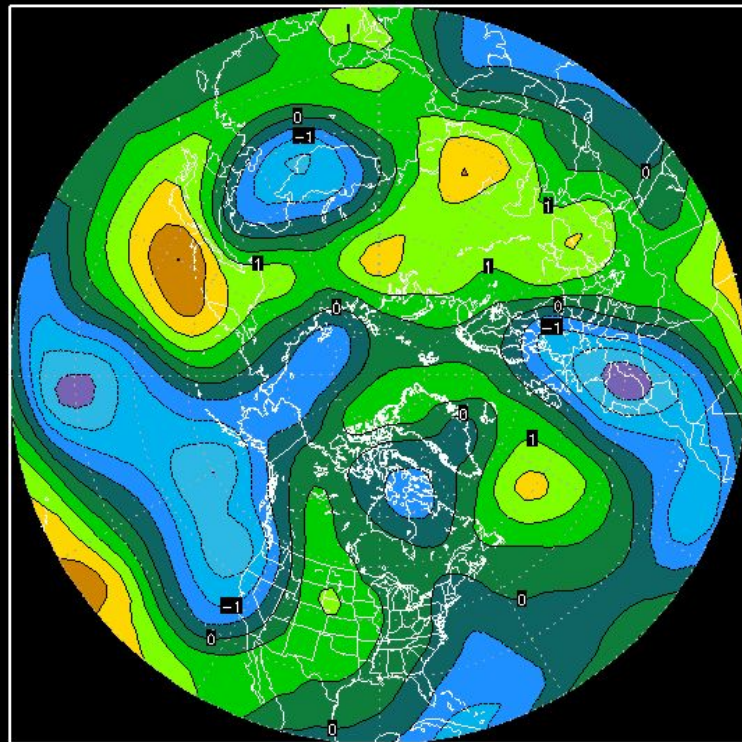
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 144H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,06 2016



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



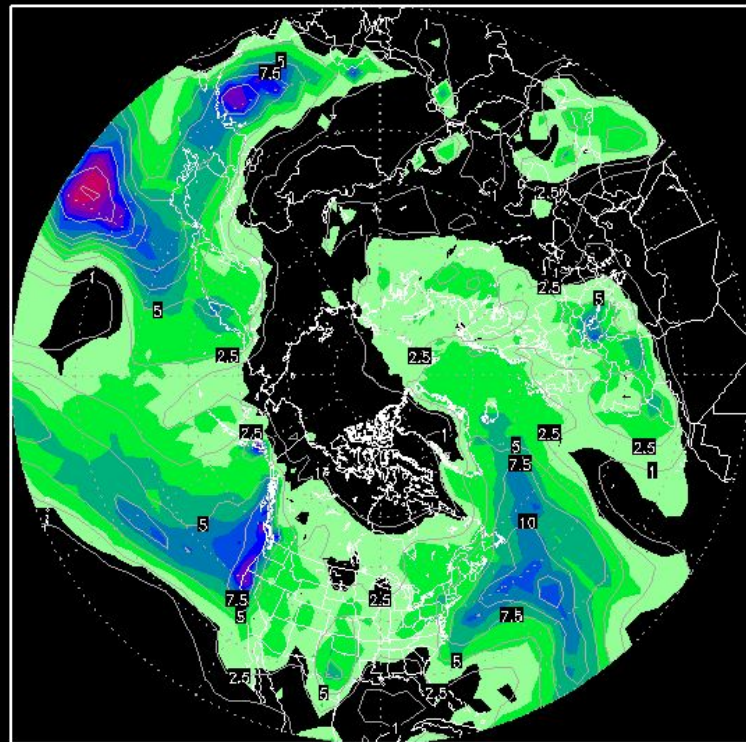
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 168H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Mon MAR,07 2016



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

192H Forecast from: 00Z Mon FEB,29 2016

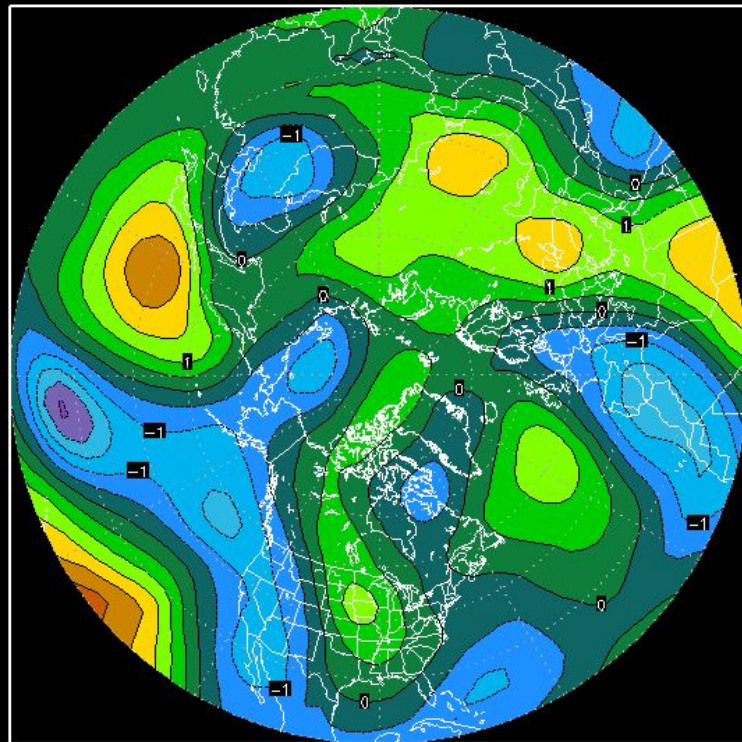
Valid time: 00Z Tue MAR,08 2016



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

192H Forecast from: 00Z Mon FEB,29 2016

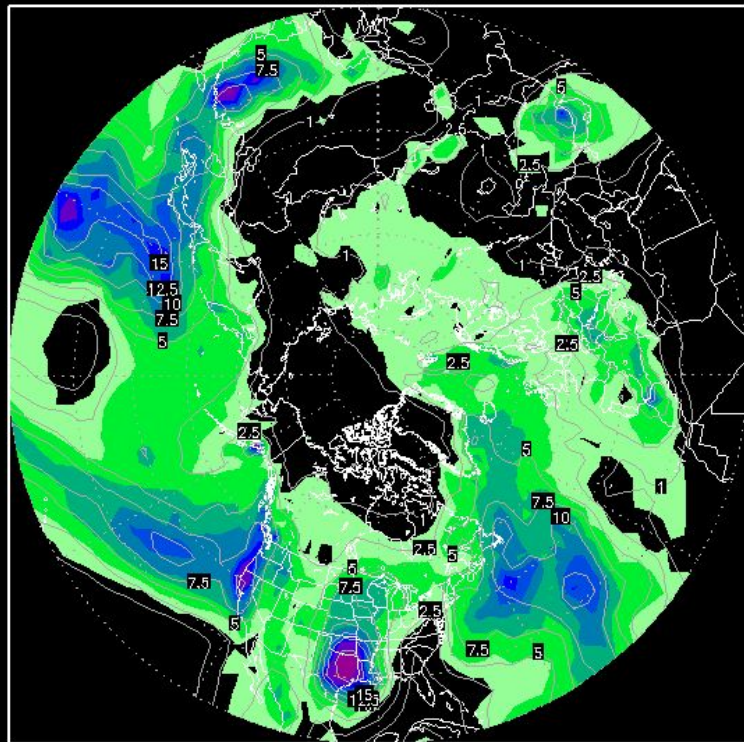
Valid time: 00Z Tue MAR,08 2016



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

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

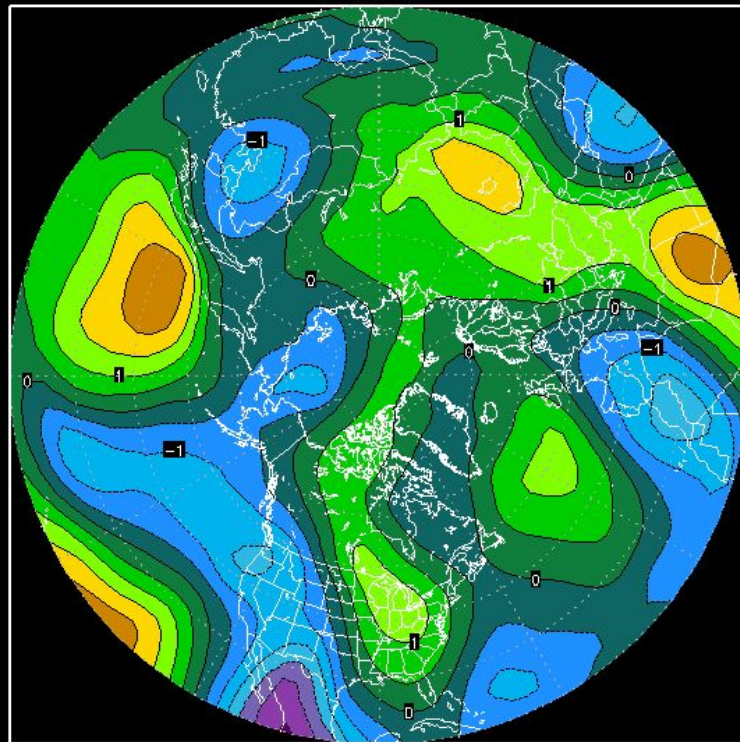
Valid time: 00Z Wed MAR,09 2016



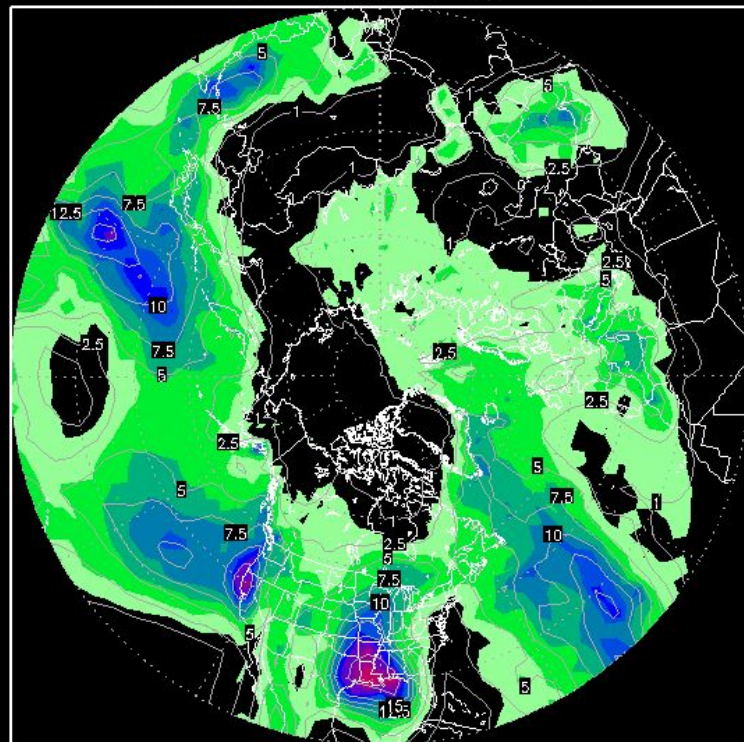
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

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

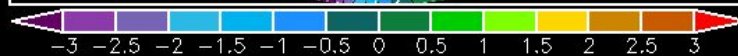
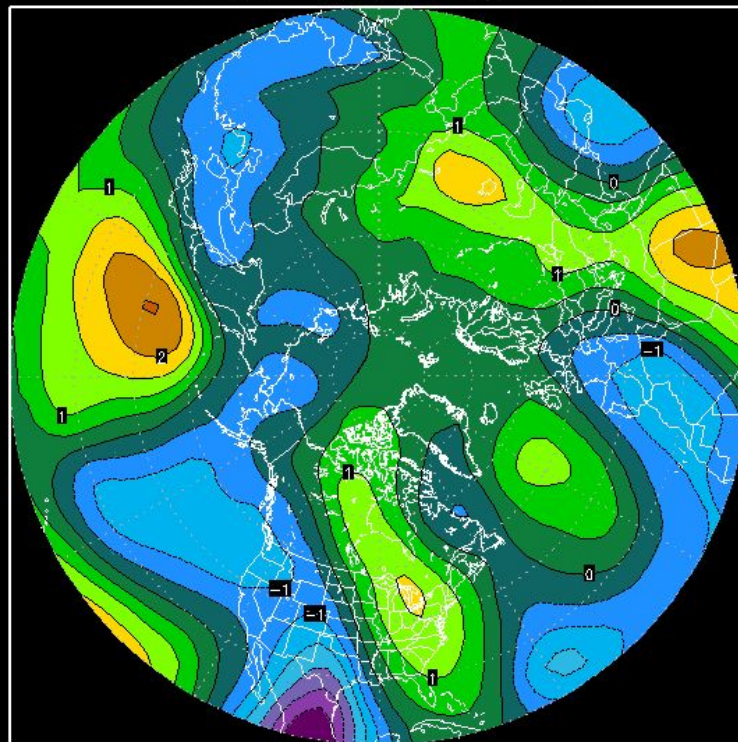
Valid time: 00Z Wed MAR,09 2016



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



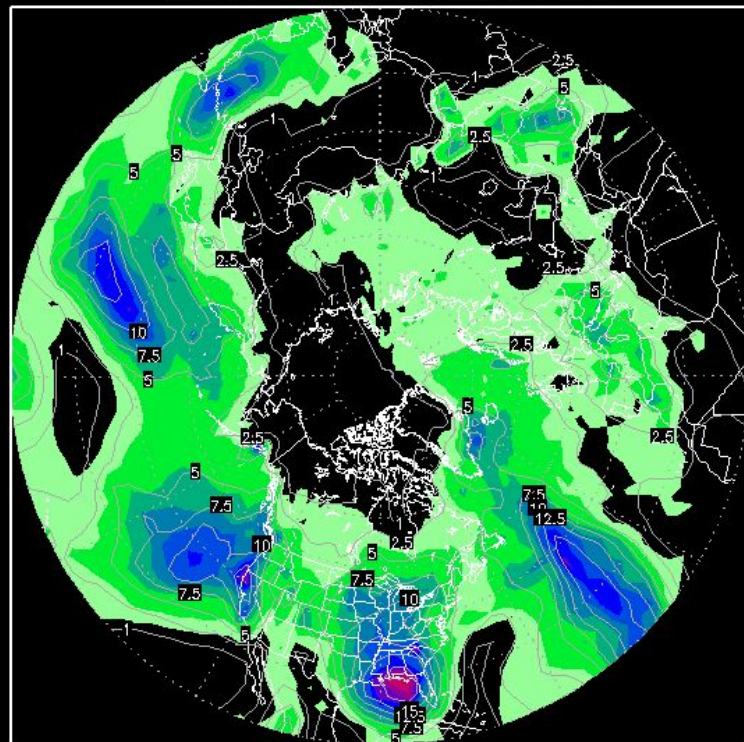
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 240H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Thu MAR,10 2016



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

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

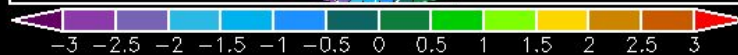
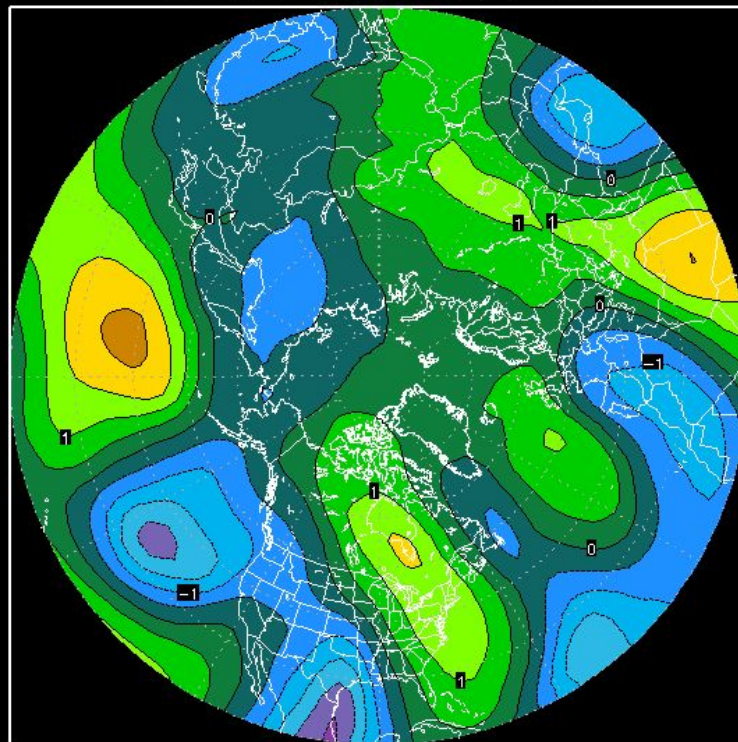
Valid time: 00Z Fri MAR,11 2016



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

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

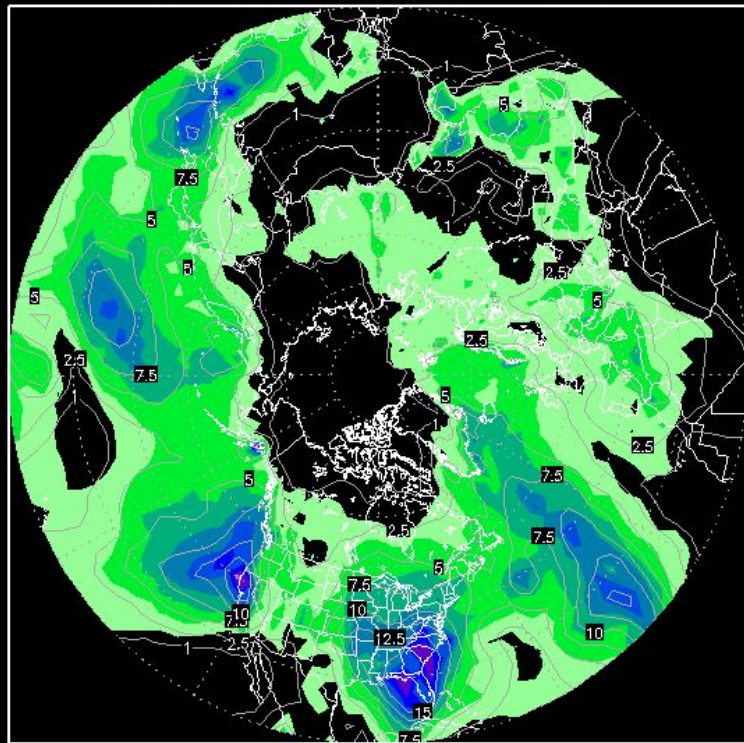
Valid time: 00Z Fri MAR,11 2016



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

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

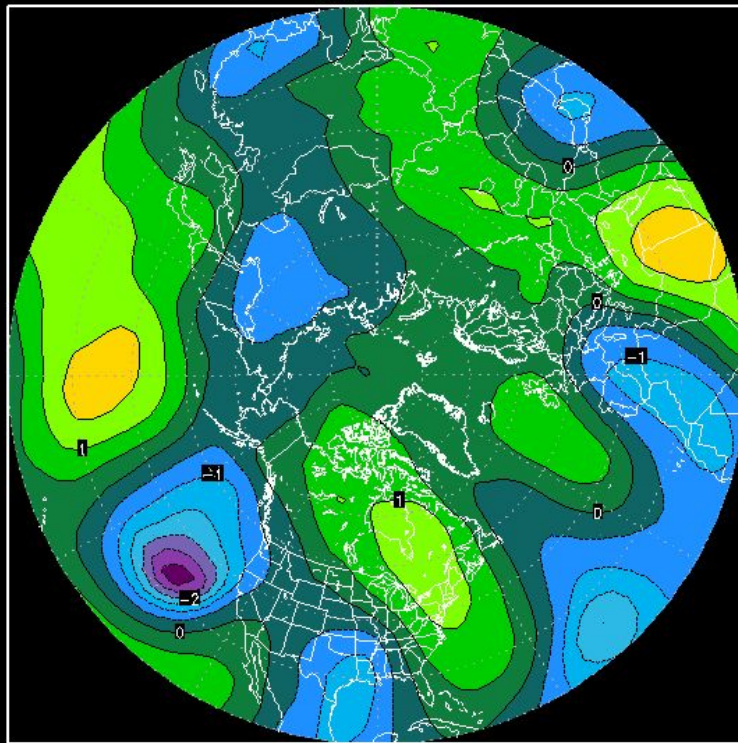
Valid time: 00Z Sat MAR,12 2016



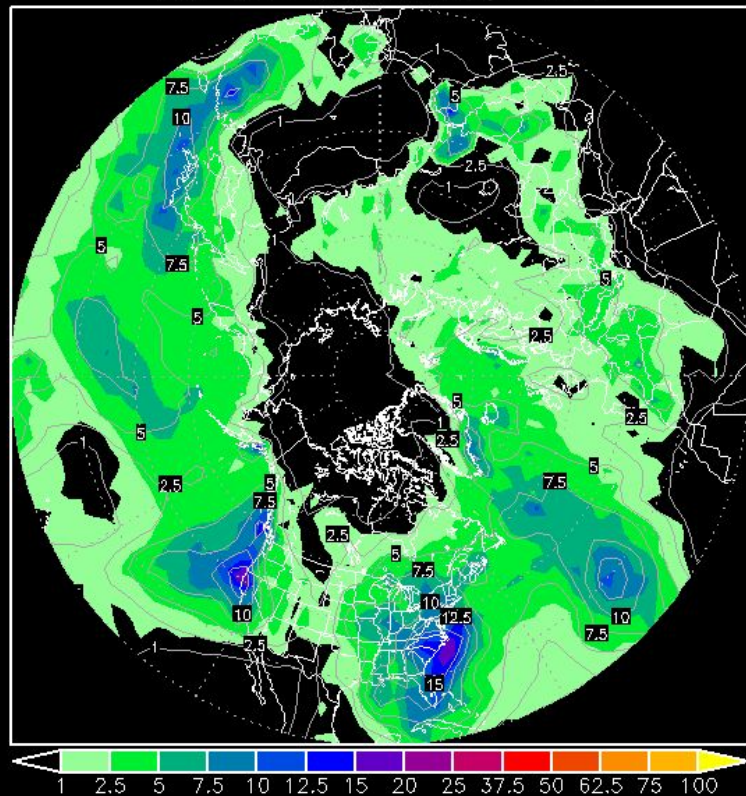
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)

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

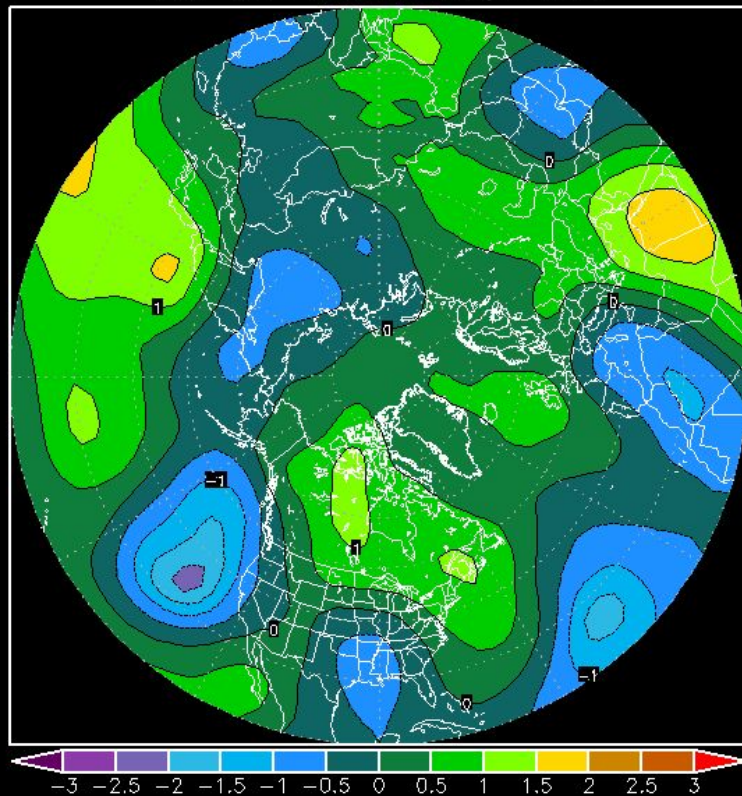
Valid time: 00Z Sat MAR,12 2016



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



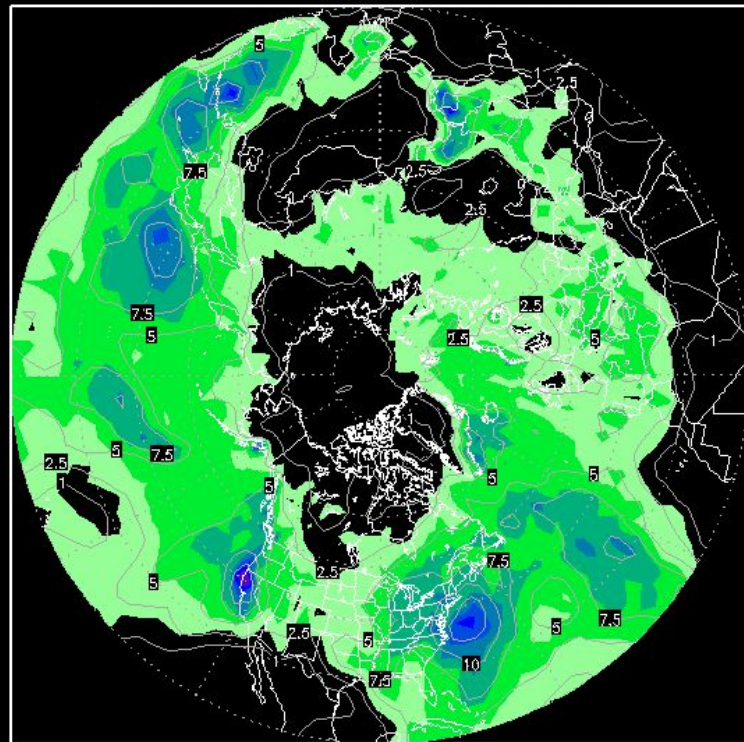
NCEP ENS. MEAN NORM. ANOM - 500mb Z(m)
 312H Forecast from: 00Z Mon FEB,29 2016
 Valid time: 00Z Sun MAR,13 2016



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

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

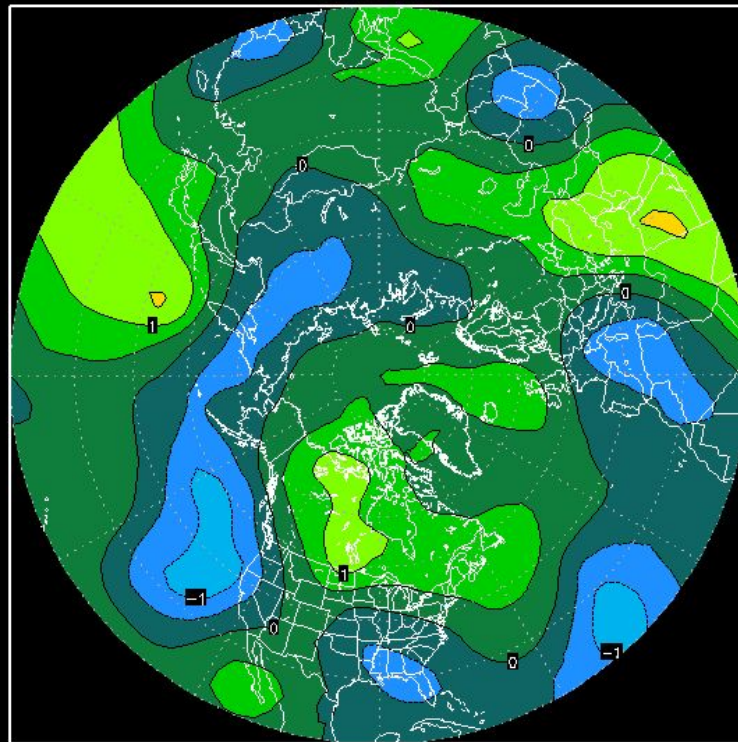
Valid time: 00Z Mon MAR,14 2016



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

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

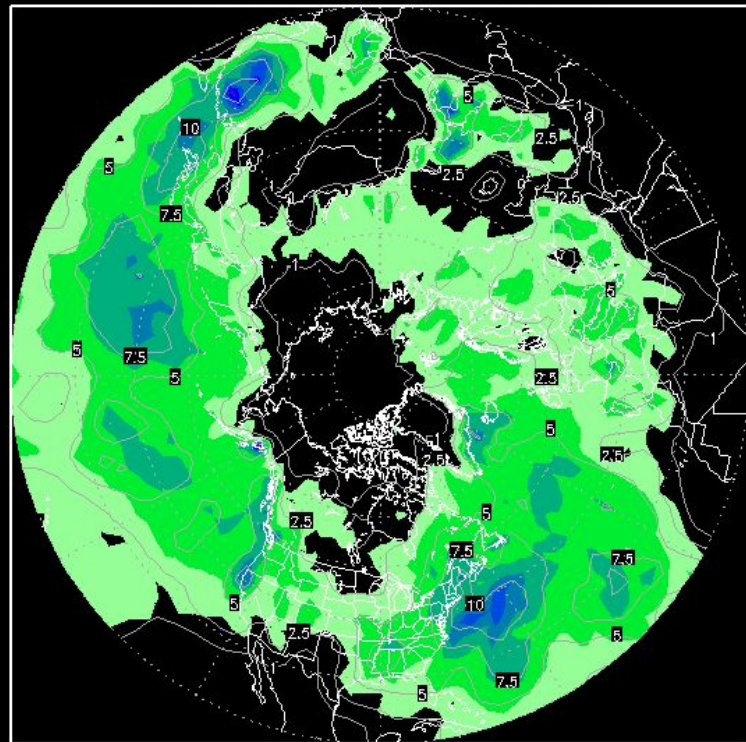
Valid time: 00Z Mon MAR,14 2016



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

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

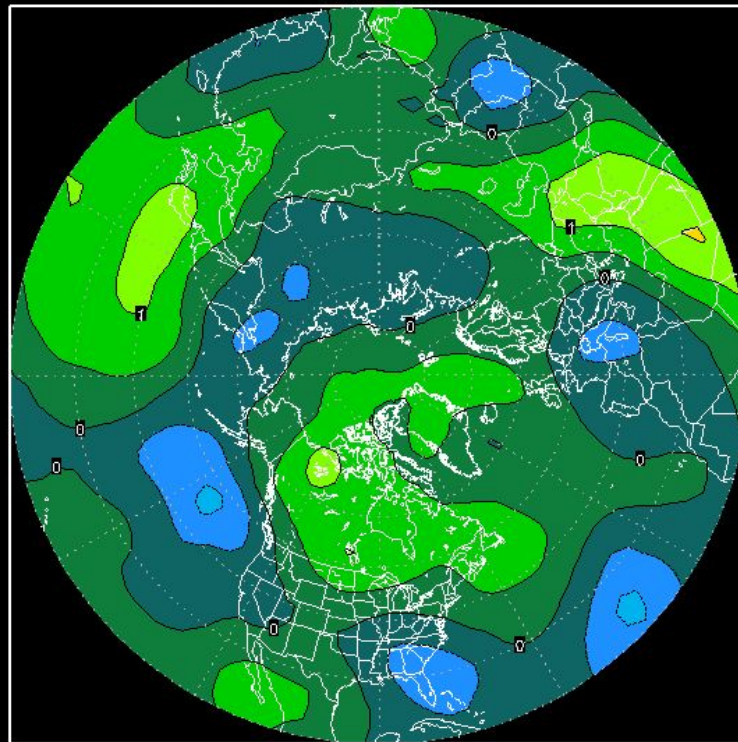
Valid time: 00Z Tue MAR,15 2016



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

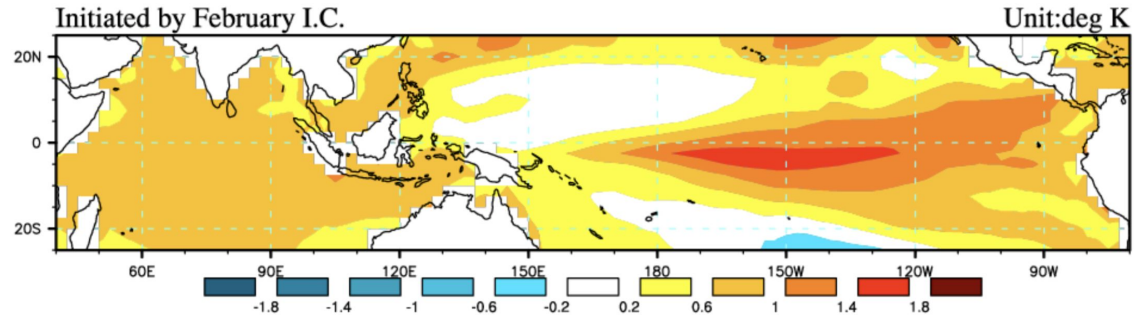
360H Forecast from: 00Z Mon FEB,29 2016

Valid time: 00Z Tue MAR,15 2016



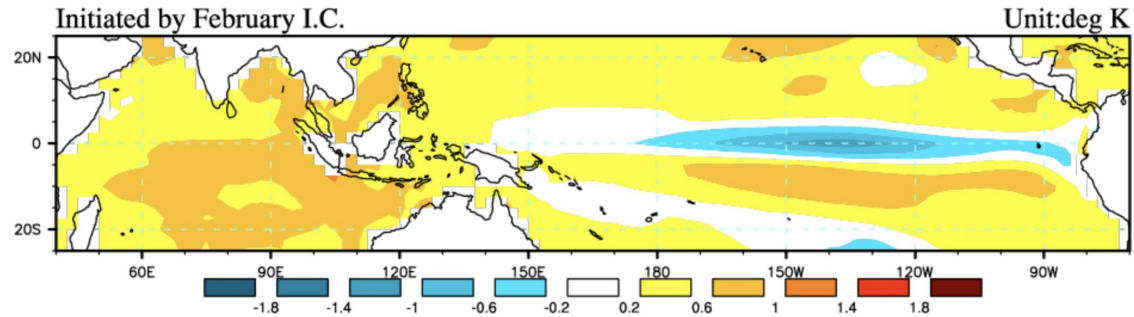
Spring 2016 Outlook: APEC NMME

SST Anomaly for MAM 2016



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SST Anomaly for JJA 2016



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Precipitation for March-May 2016

