

Summary of Key Briefing Points
1030-1130am MST Sun Feb 28, 2016

Current Conditions as of Sat 12Z-15Z February 27

Tropics and Mid-latitudes

Over the Tropical Pacific:

- Isolated convection in SE portion FD
- Main activity in SH SPCZ
- CXI Indicates warm air aloft, low level capping inversion

Tropical Outlook

- Main convection in SPCZ----to remain very active, and eastward displaced
- Active convection expected in FD in a band SE-NW over next 2-4 days

Midlatitude Conditions/Outlook

Short Term:

- CA quiet, rains expected by weekend in N

- **Medium - Long Term:**

- possible Central CA rain early next week
- No appreciable CA pcpn expected over the next 4-7days
- Day 9-15 in EC and GFS indicate major change in the EPacific circulation, wet CA possible

+

-

Satellite



Flight Plan & Mission on Fri 26 Feb

10

8

6

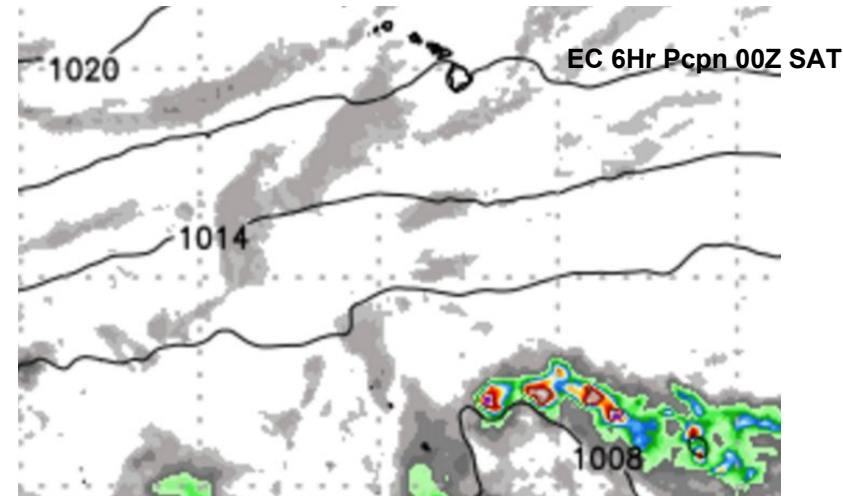
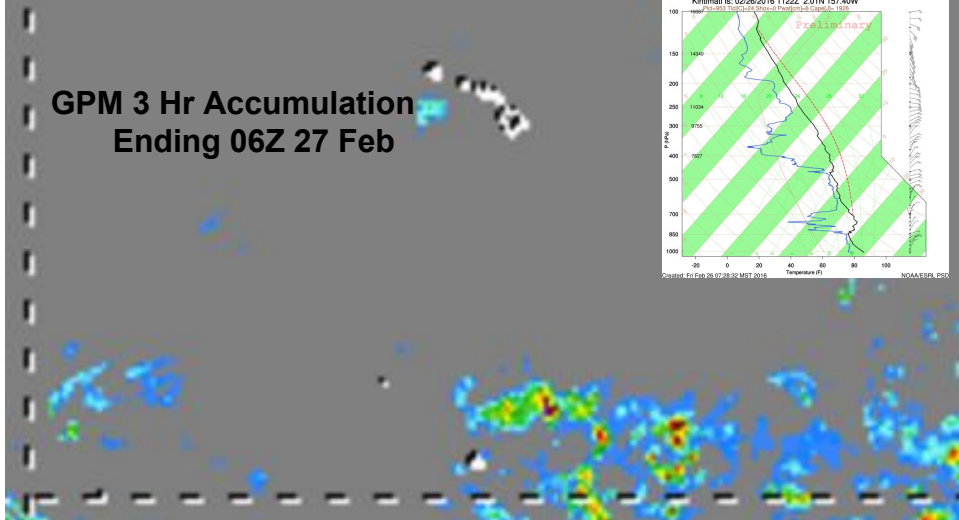
4

2

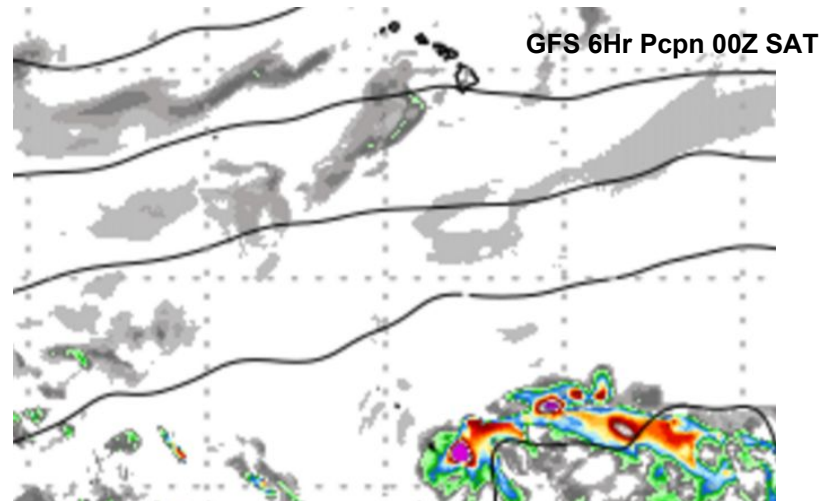
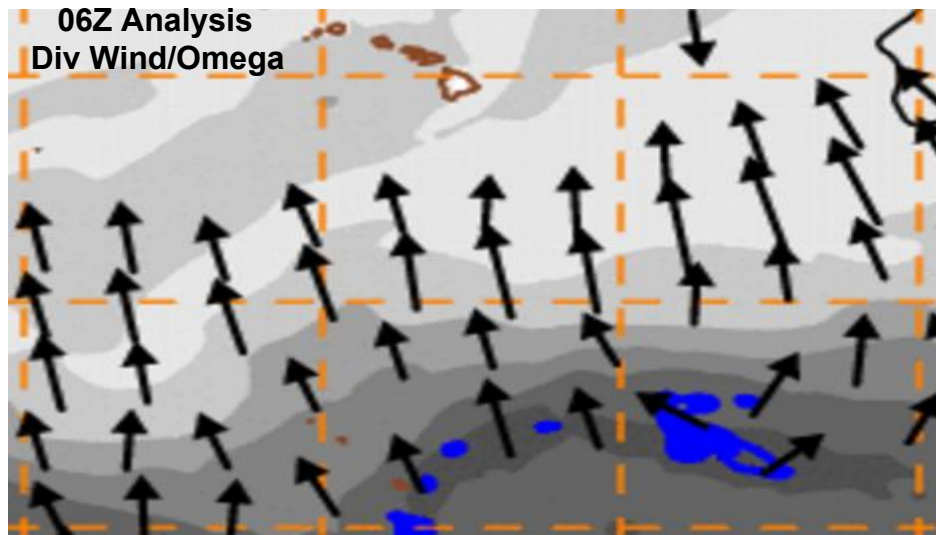
0

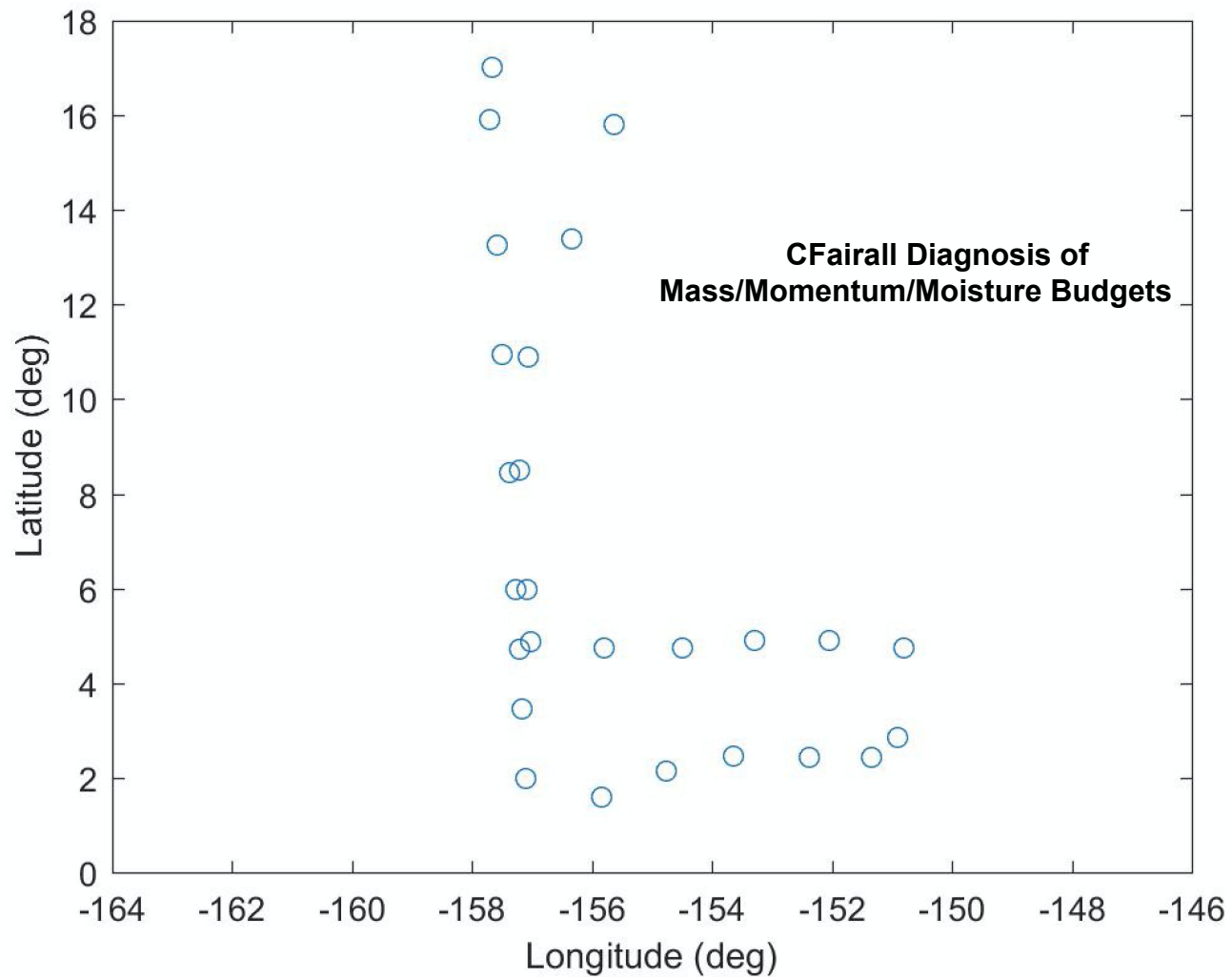


**GPM 3 Hr Accumulation
Ending 06Z 27 Feb**

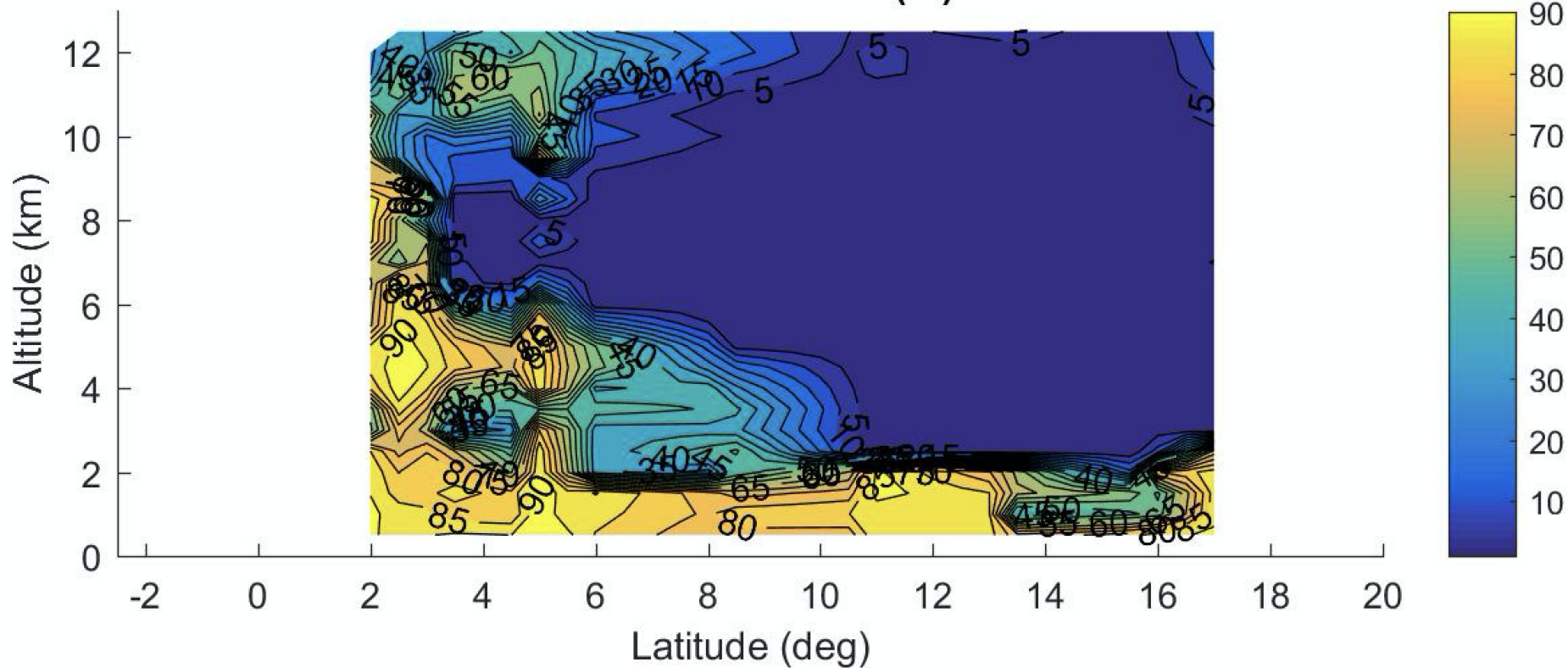


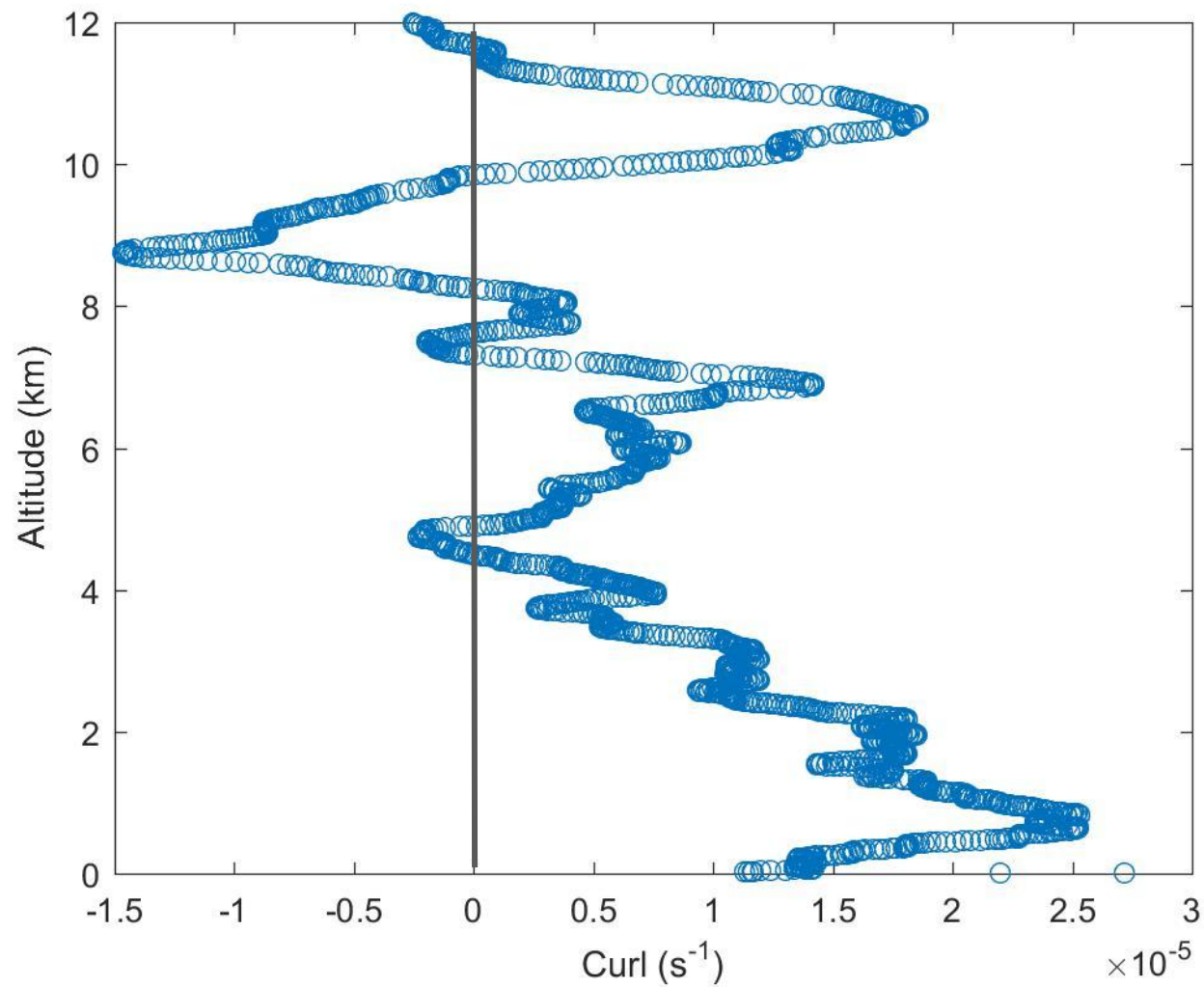
**06Z Analysis
Div Wind/Omega**

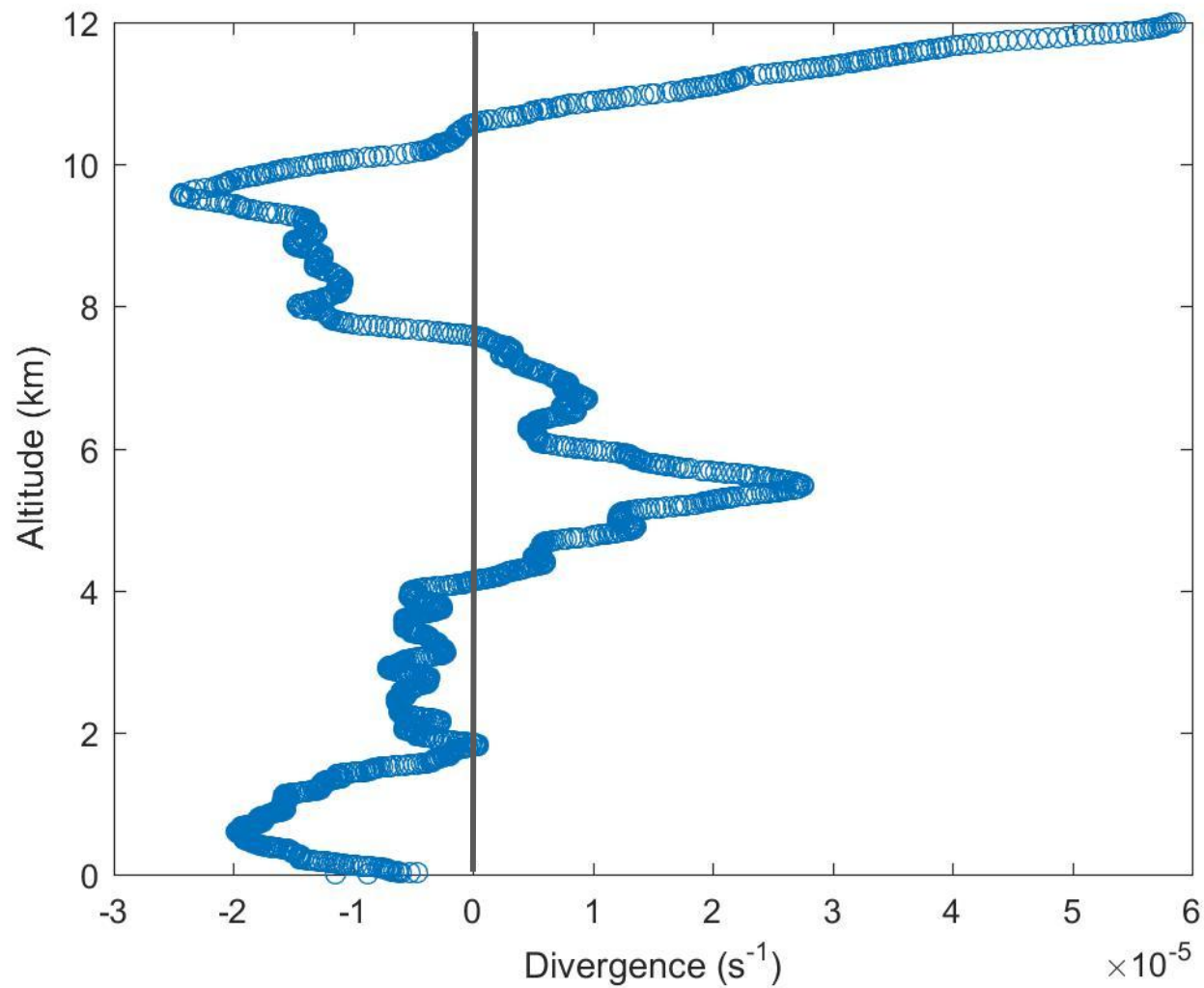


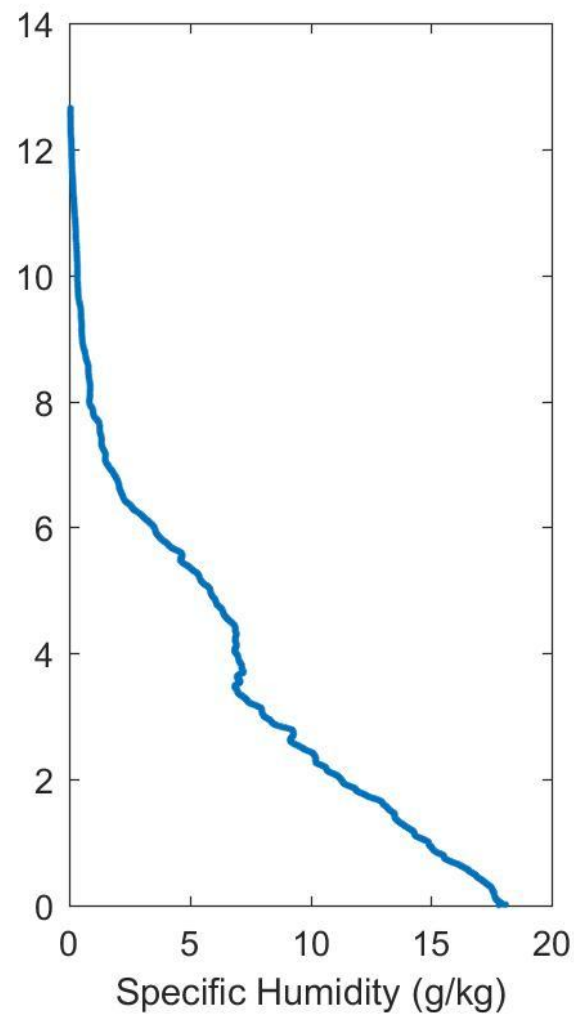
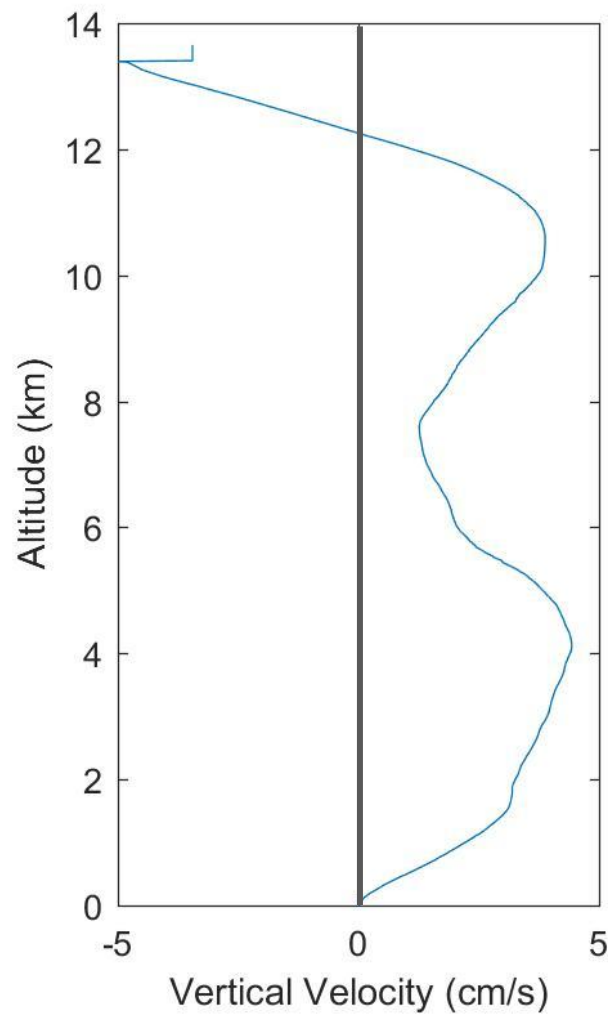


ENRR2016 NOAA G-4 RH (%) JD= 57



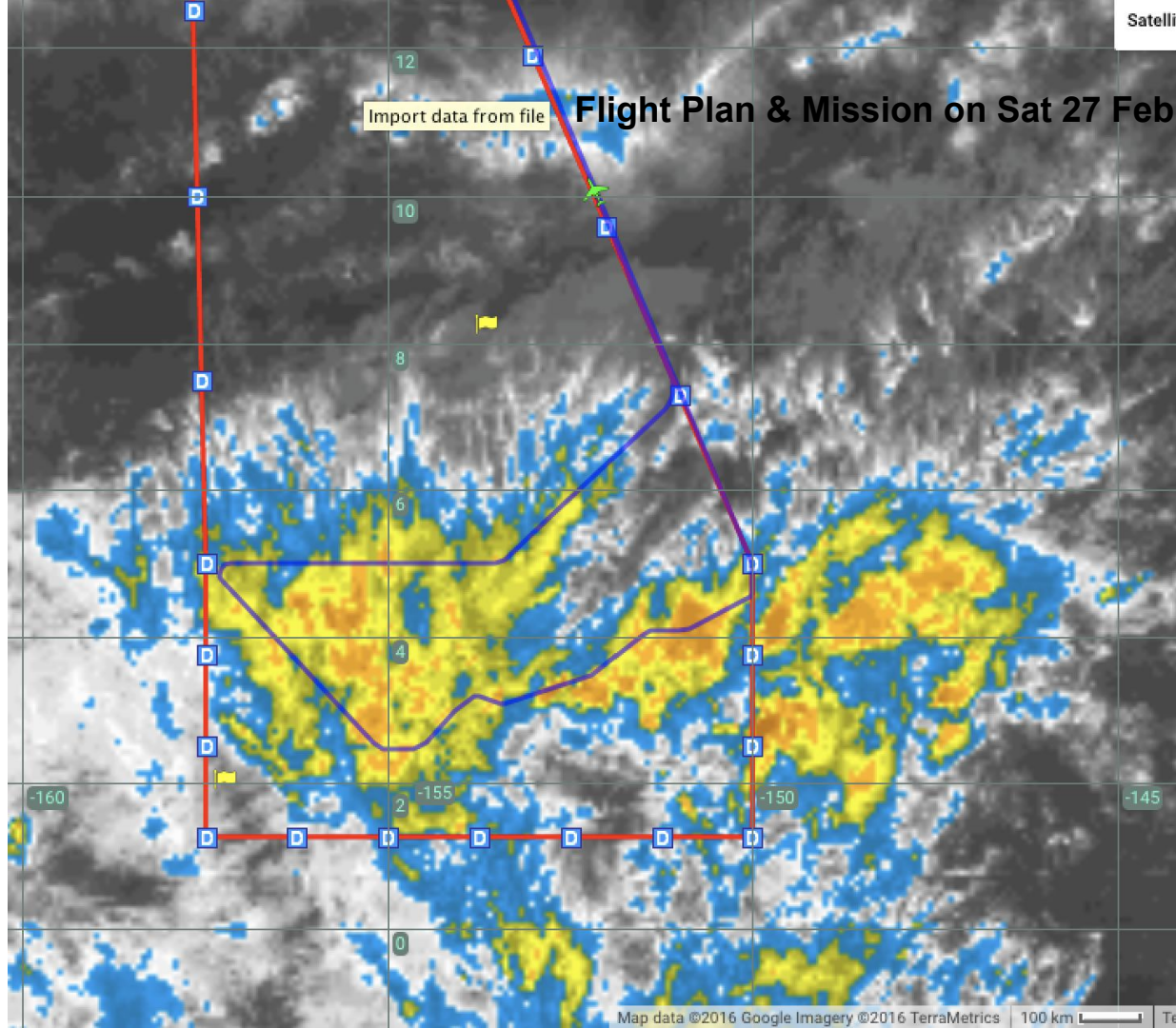




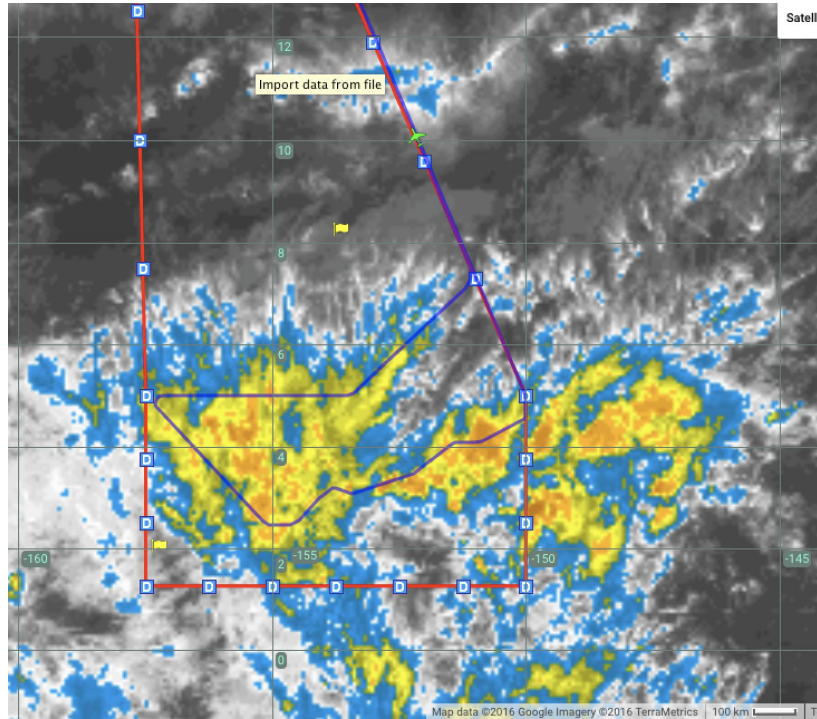


Import data from file

Flight Plan & Mission on Sat 27 Feb

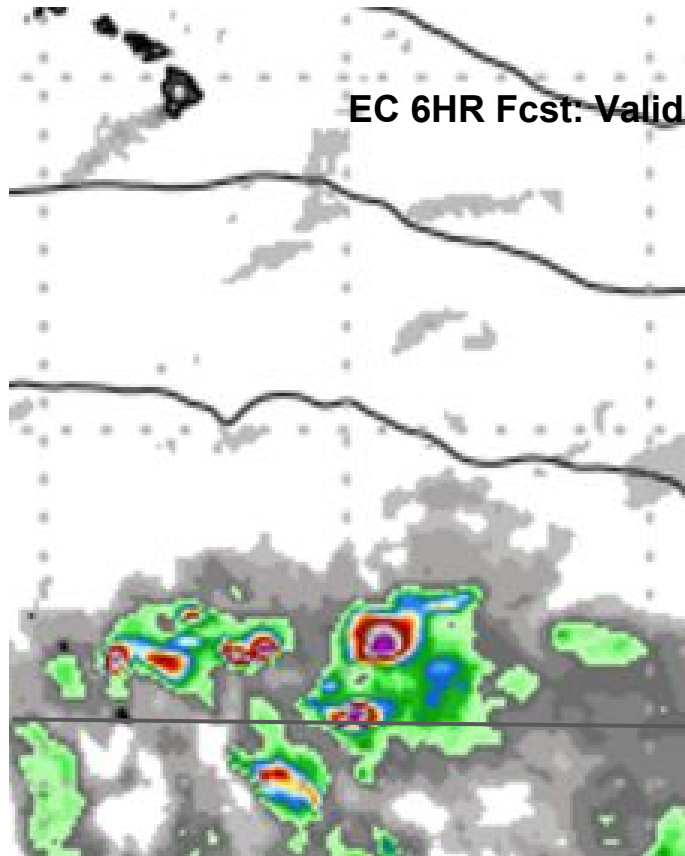


Flight Plan & Mission on Sat 27 Feb

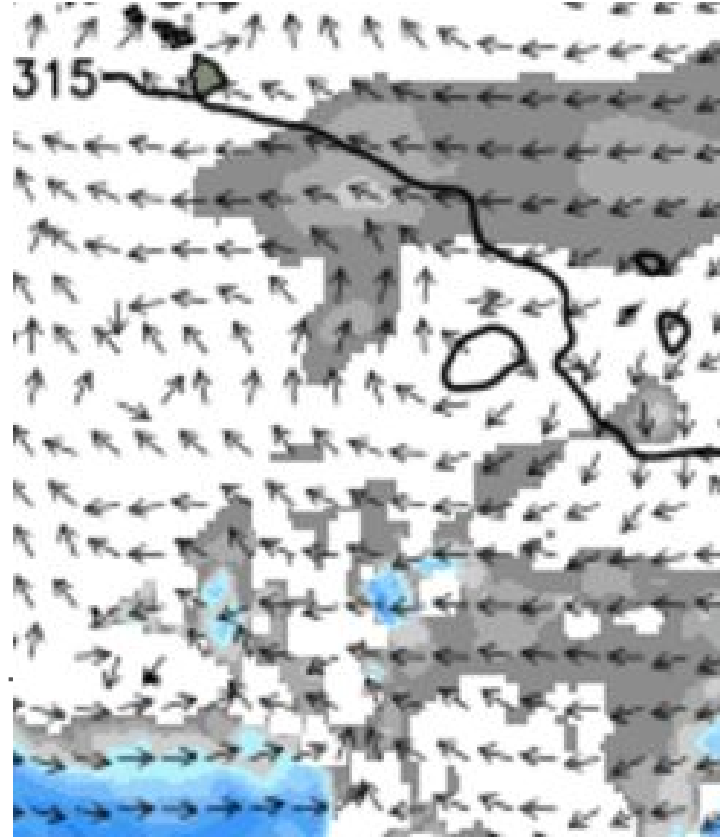
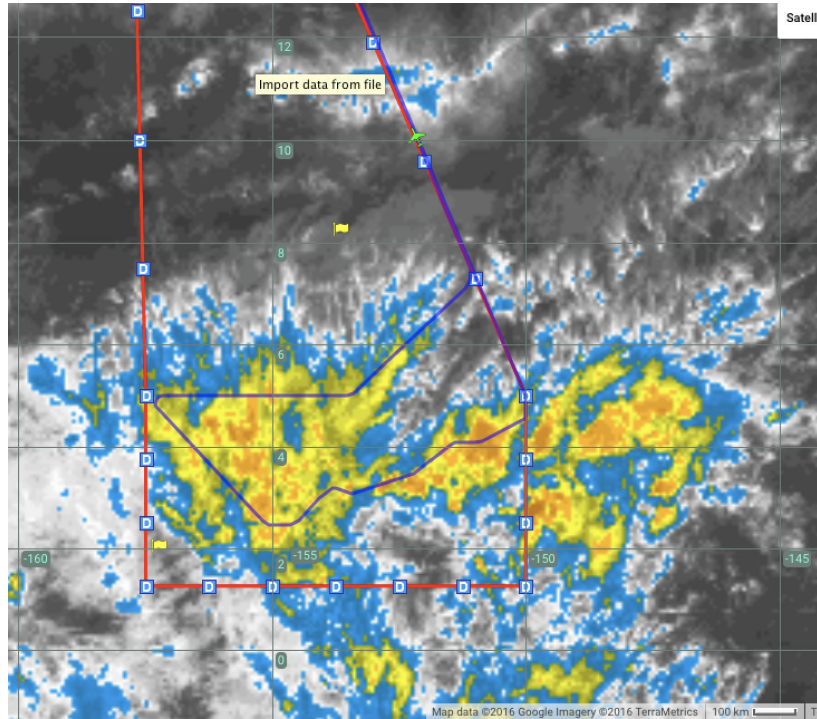


Satelli

EC 6HR Fcst: Valid 06Z Sun



Flight Plan & Mission on Sat 27 Feb



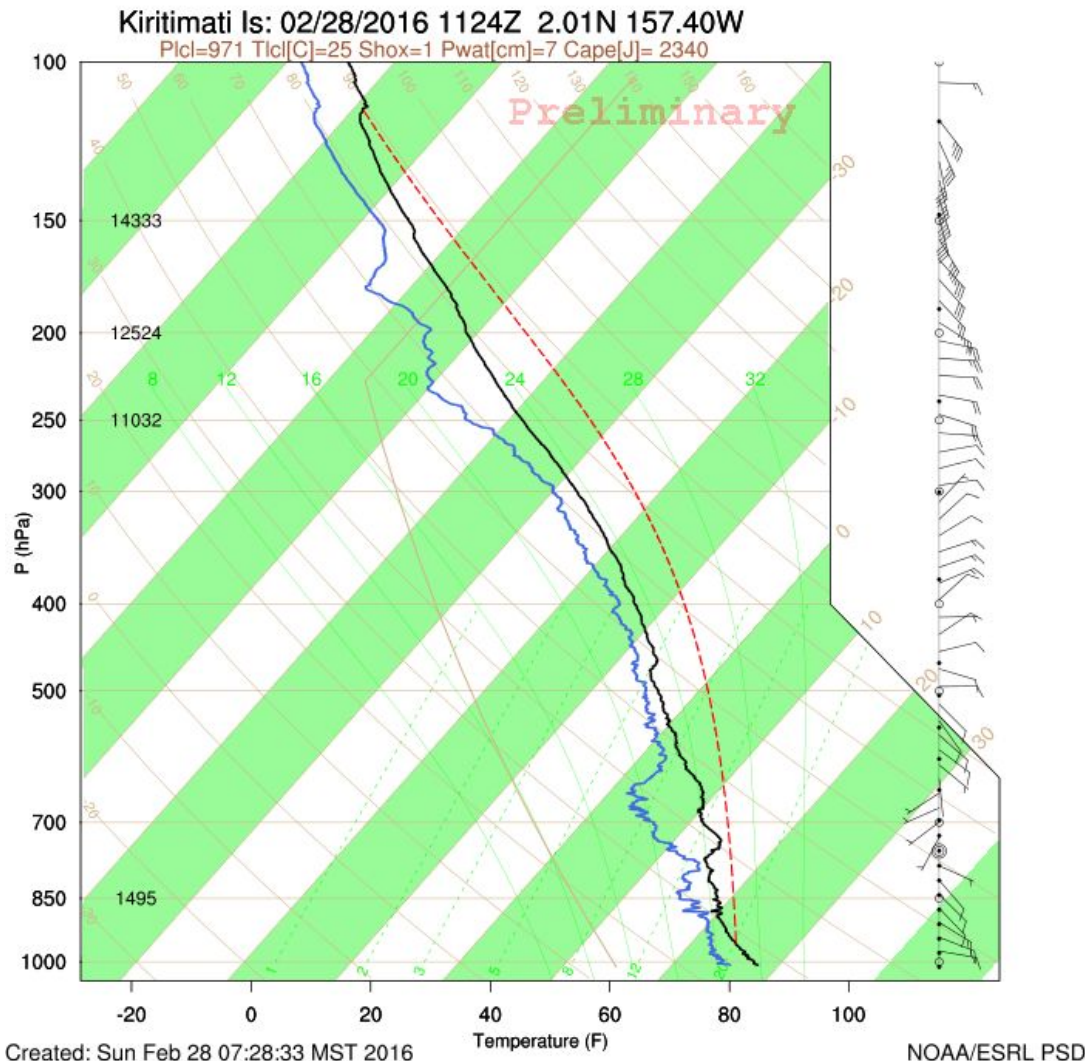
SZ Sun

Launch: 01:24LINT (Line Islands Time), 11:24:UTC.
Mostly cloudy,
some stars visible in clear spots, hazy moon visible
through cloud.
Lighter winds than we've had lately. Warm and
muggy.

0200LINT: Mostly cloudy, only a few stars visible,
hazy moon visible
through cloud. Winds very light.

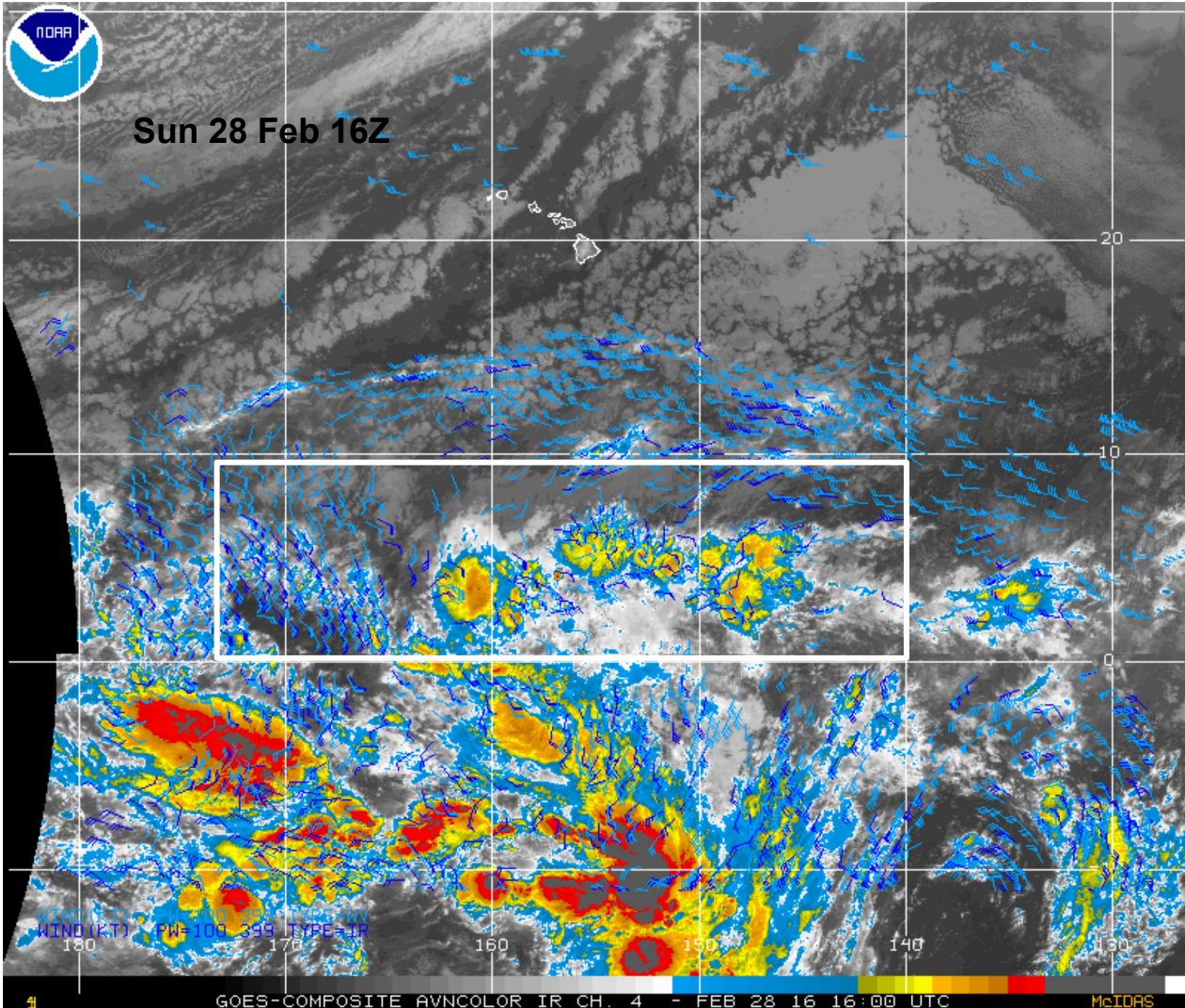
0315LINT: Walking to internet site. It is very still,
almost zero
wind. Hazy moon visible through cloud. Hot and
humid.

Paul and Leslie



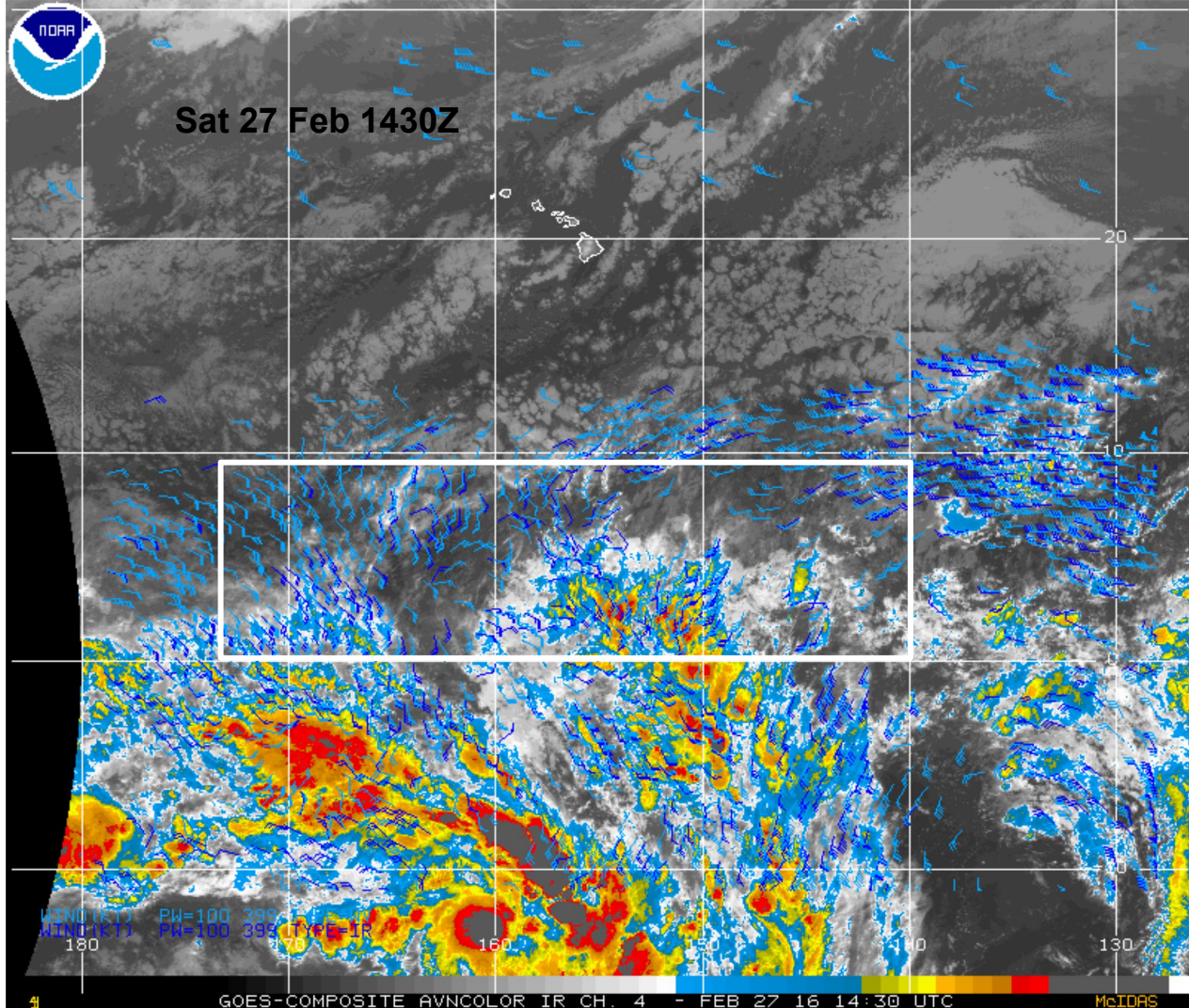


Sun 28 Feb 16Z



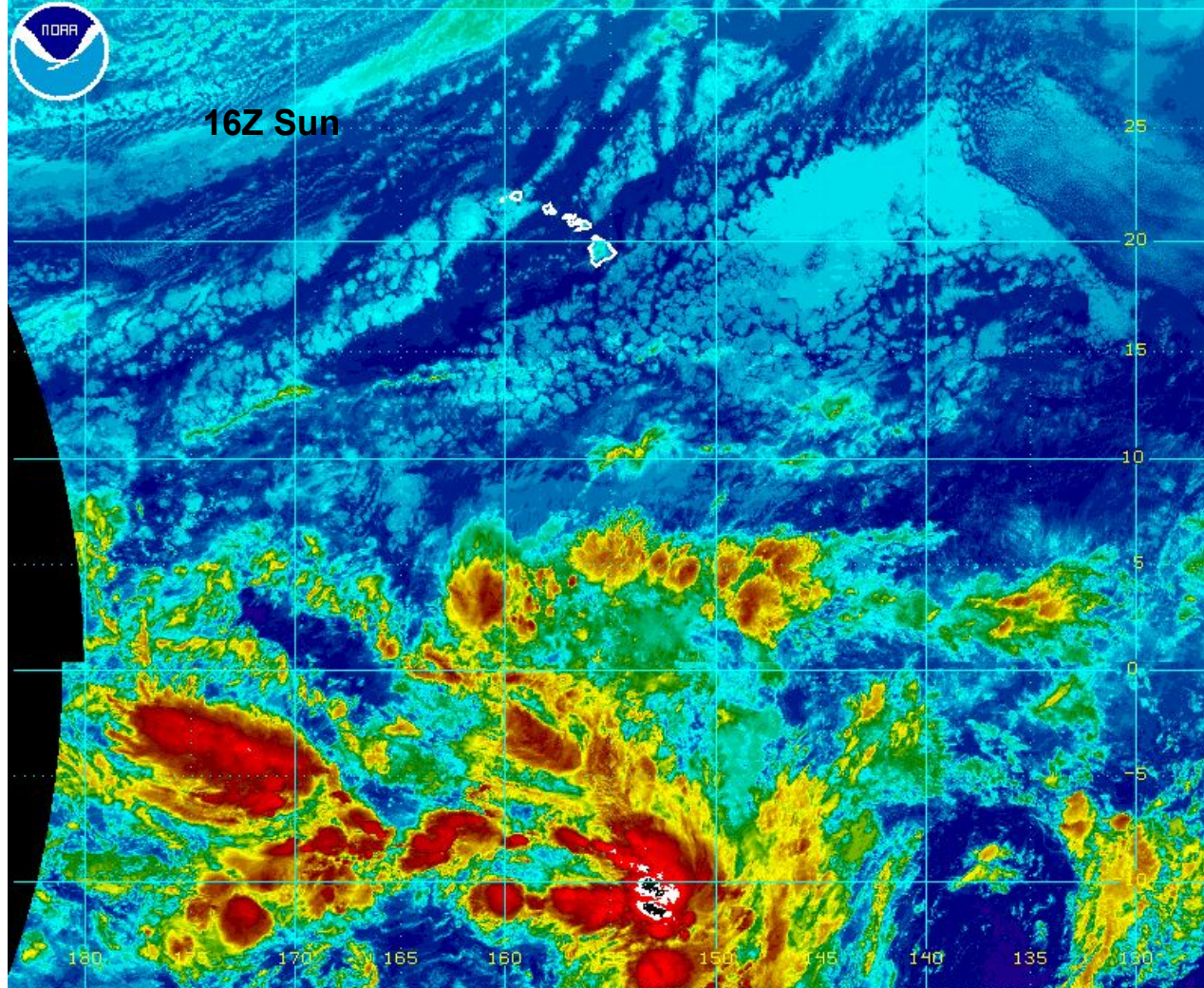


Sat 27 Feb 1430Z

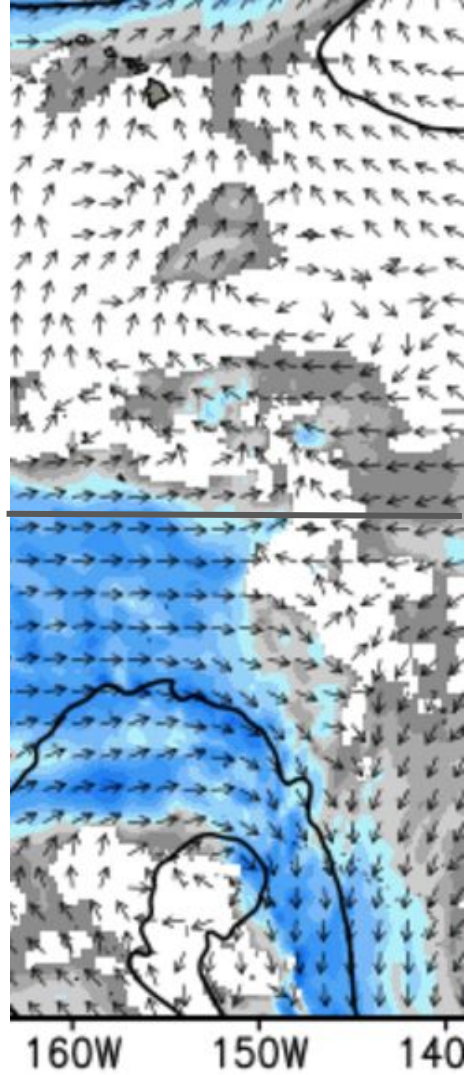




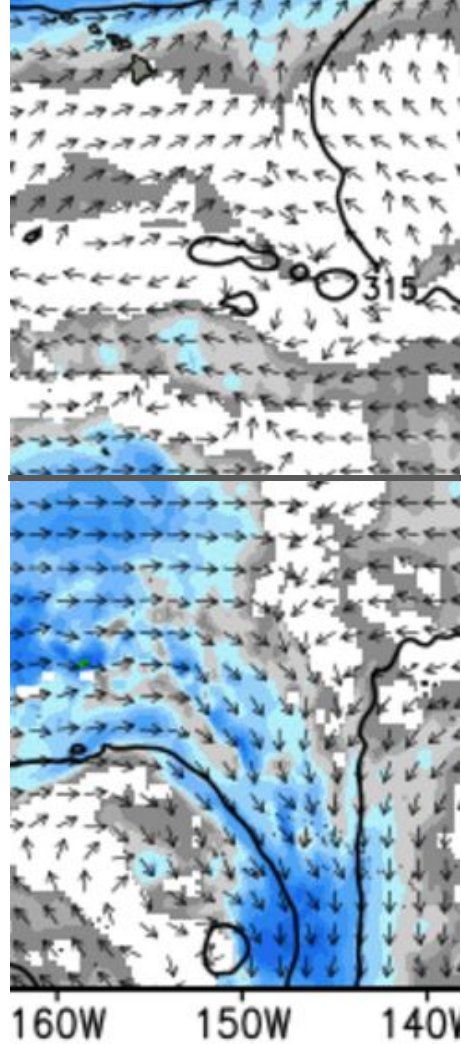
16Z Sun

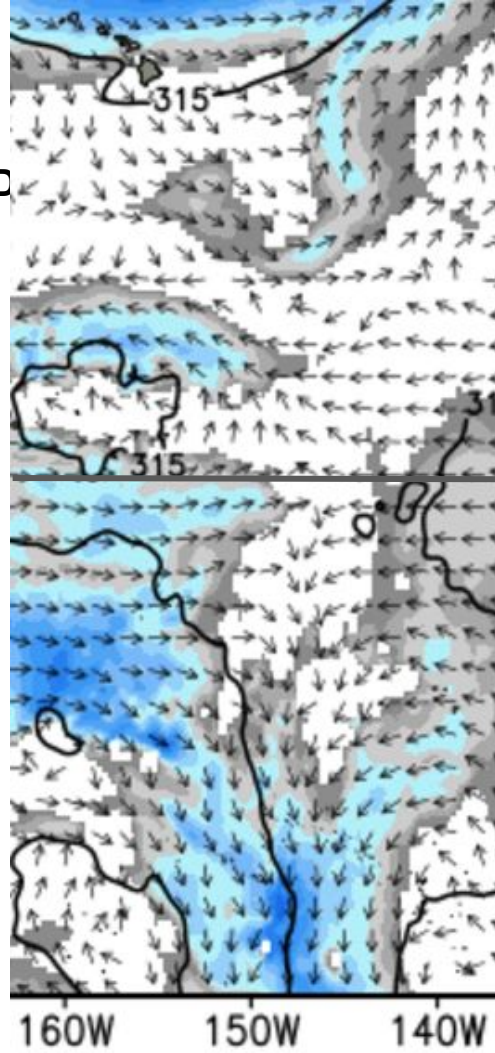


EC 700winds, 00Z Mon



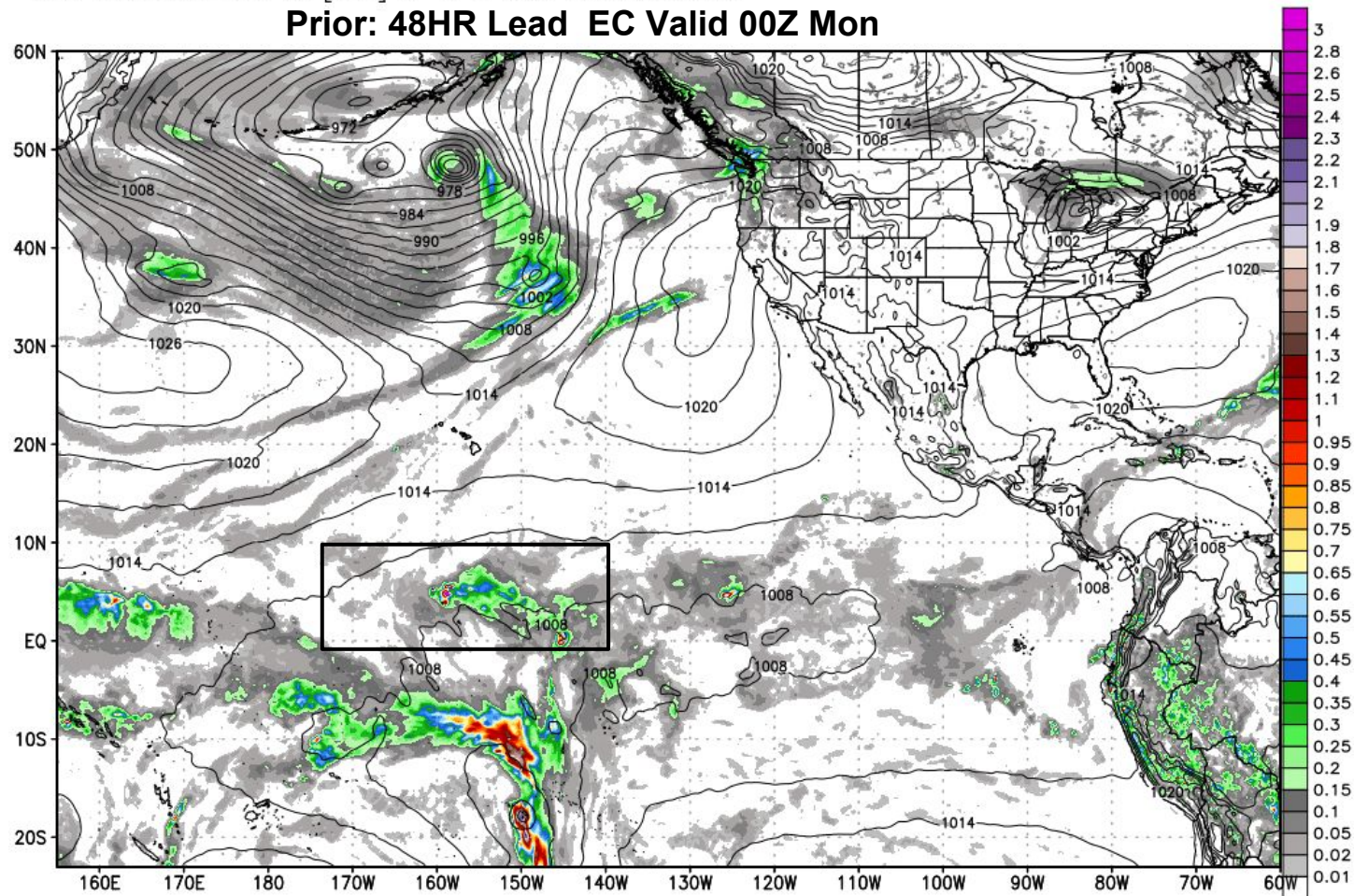
EC 700winds, 00Z TUE





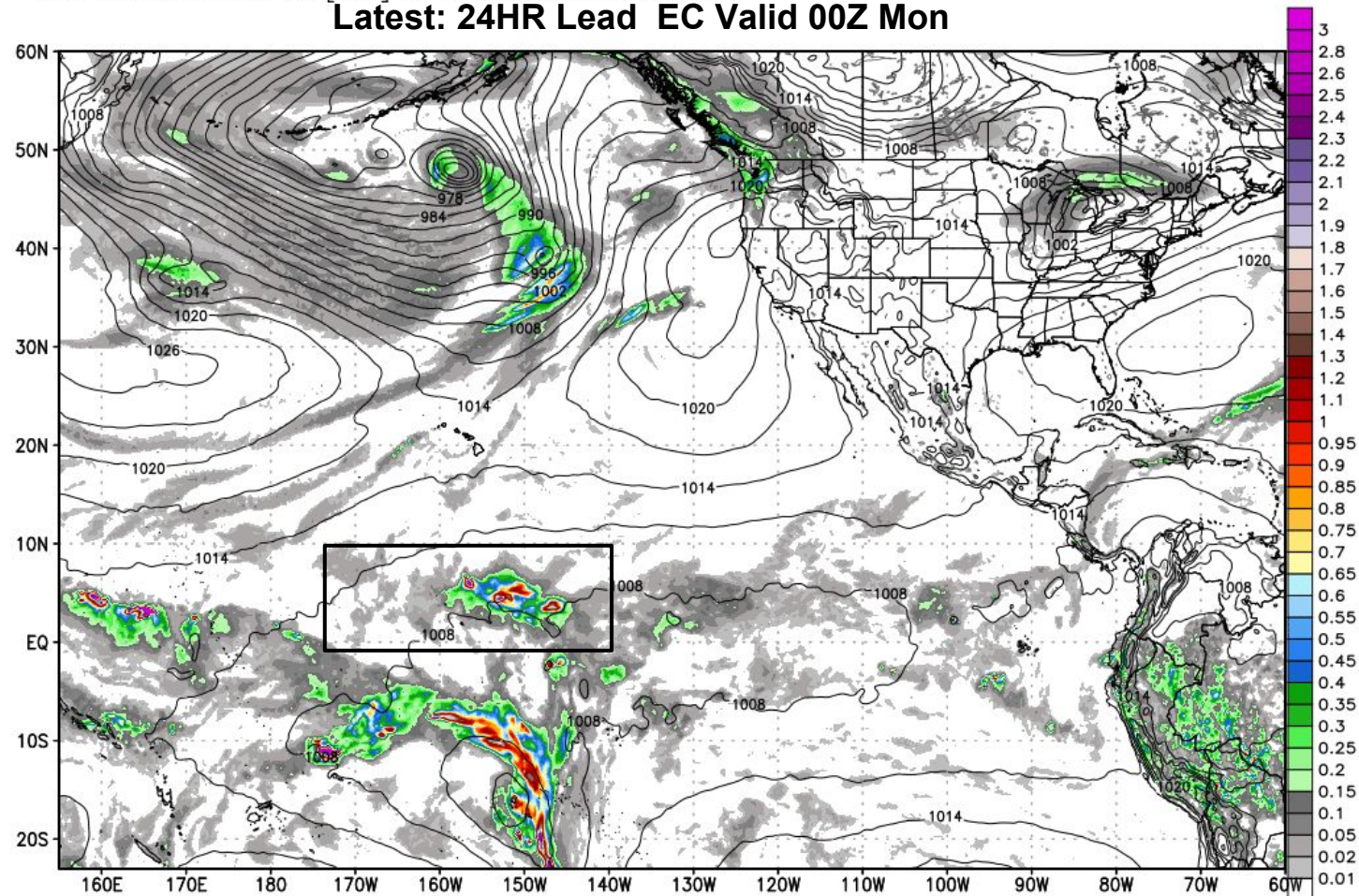
ECMWF 6-hourly Precipitation [inches] between 18Z28FEB2016 -- 00Z29FEB2016 & MSLP [hPa]
INIT: 00Z27FEB2016 fx: [048] hr --> Mon 00Z29FEB2016

Prior: 48HR Lead EC Valid 00Z Mon



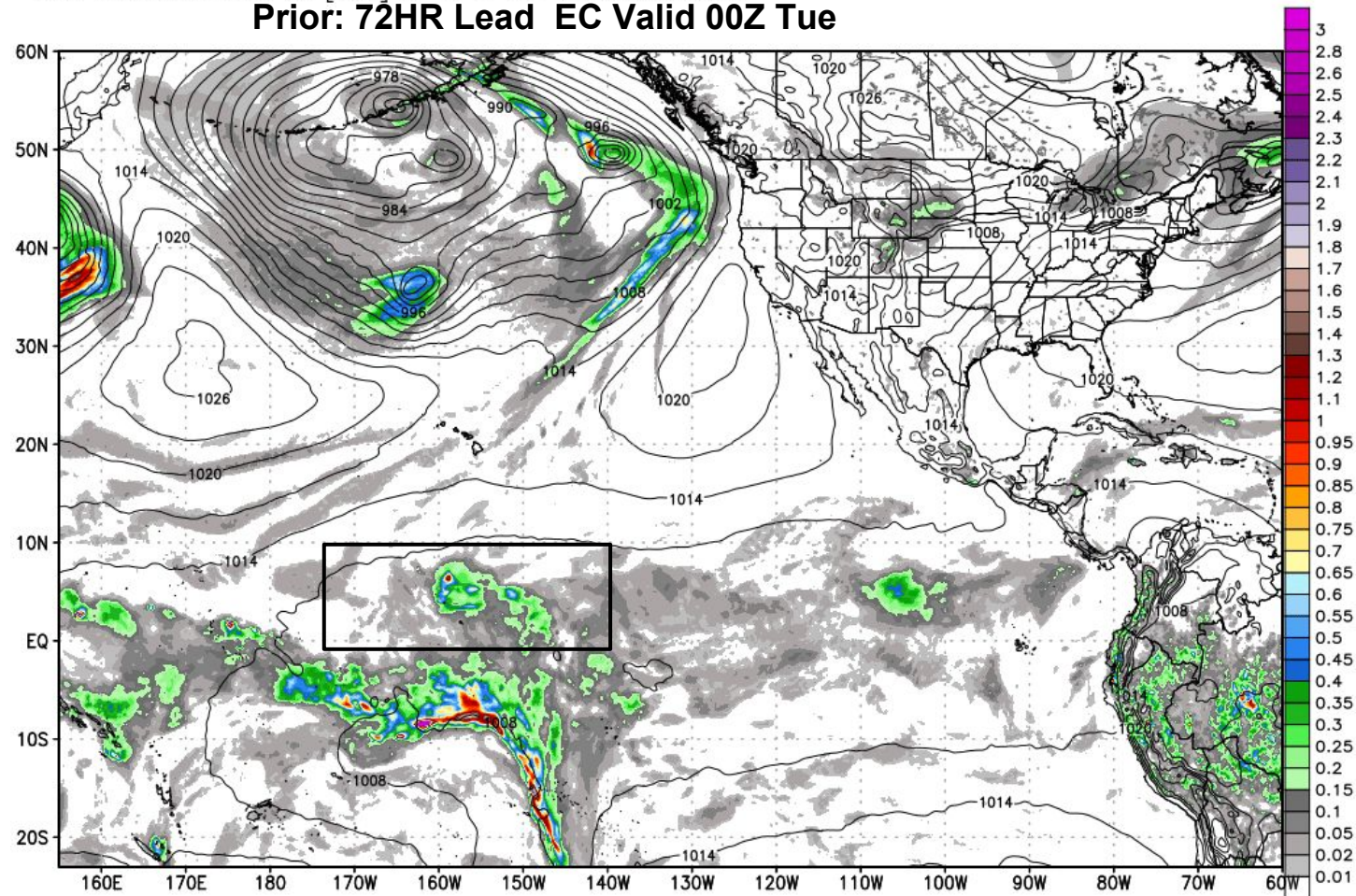
ECMWF 6-hourly Precipitation [inches] between 18Z28FEB2016 -- 00Z29FEB2016 & MSLP [hPa]
INIT: 00Z28FEB2016 fx: [024] hr --> Mon 00Z29FEB2016

Latest: 24HR Lead EC Valid 00Z Mon



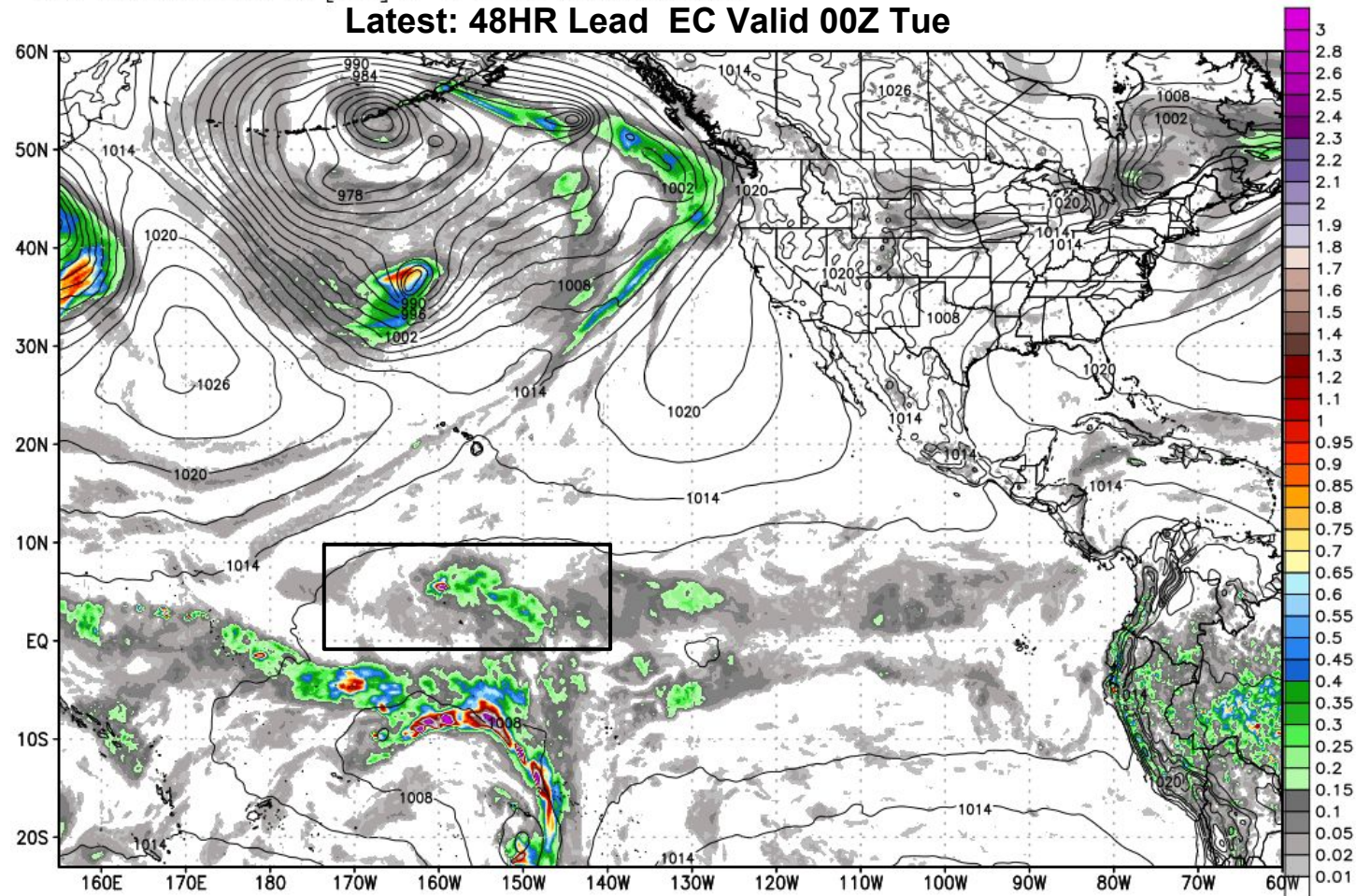
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 00Z27FEB2016 fx: [072] hr --> Tue 00Z01MAR2016

Prior: 72HR Lead EC Valid 00Z Tue



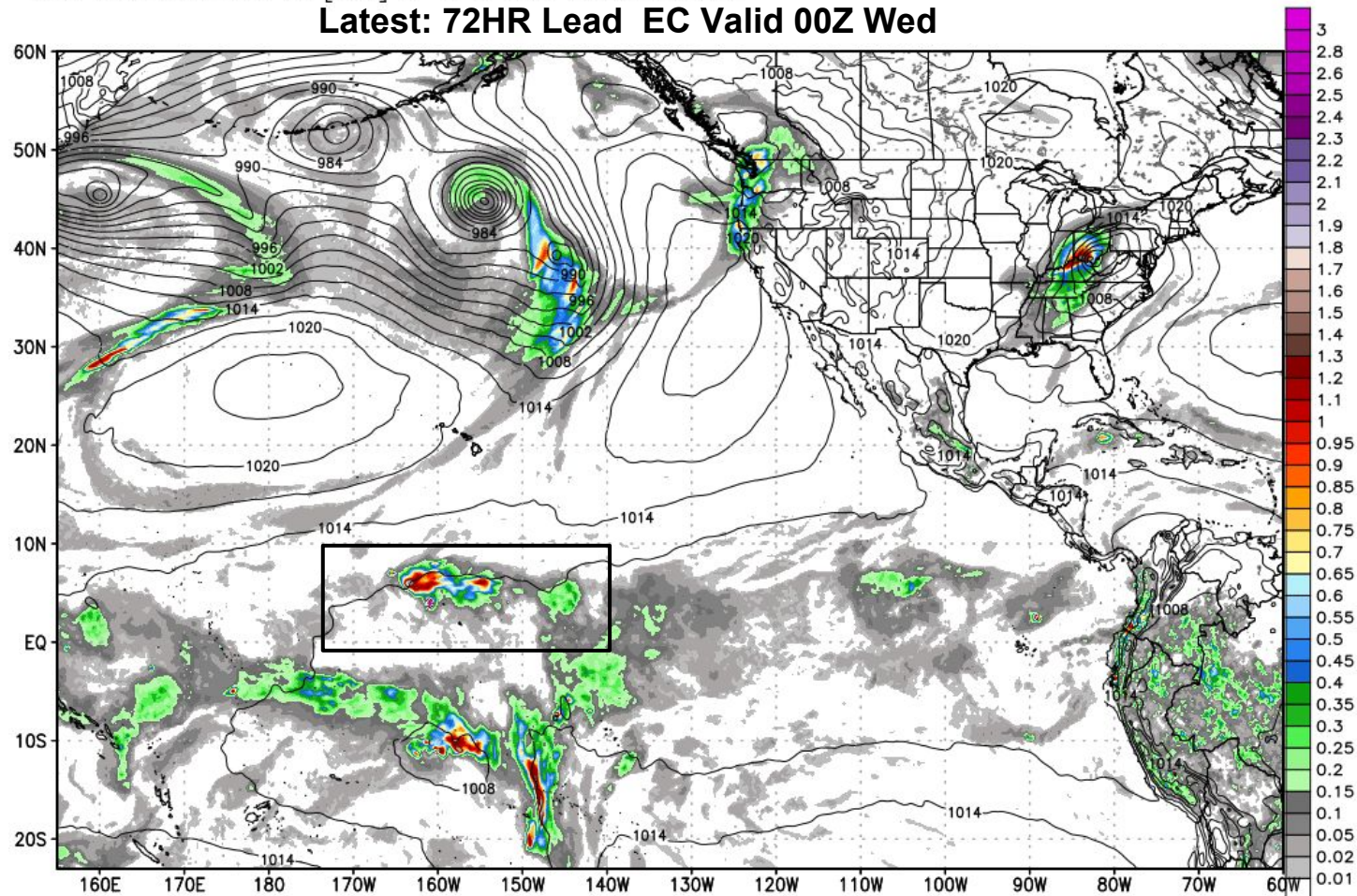
ECMWF 6-hourly Precipitation [inches] between 18Z29FEB2016 -- 00Z01MAR2016 & MSLP [hPa]
INIT: 00Z28FEB2016 fx: [048] hr --> Tue 00Z01MAR2016

Latest: 48HR Lead EC Valid 00Z Tue



ECMWF 6-hourly Precipitation [inches] between 18Z01MAR2016 -- 00Z02MAR2016 & MSLP [hPa]
INIT: 00Z28FEB2016 fx: [072] hr --> Wed 00Z02MAR2016

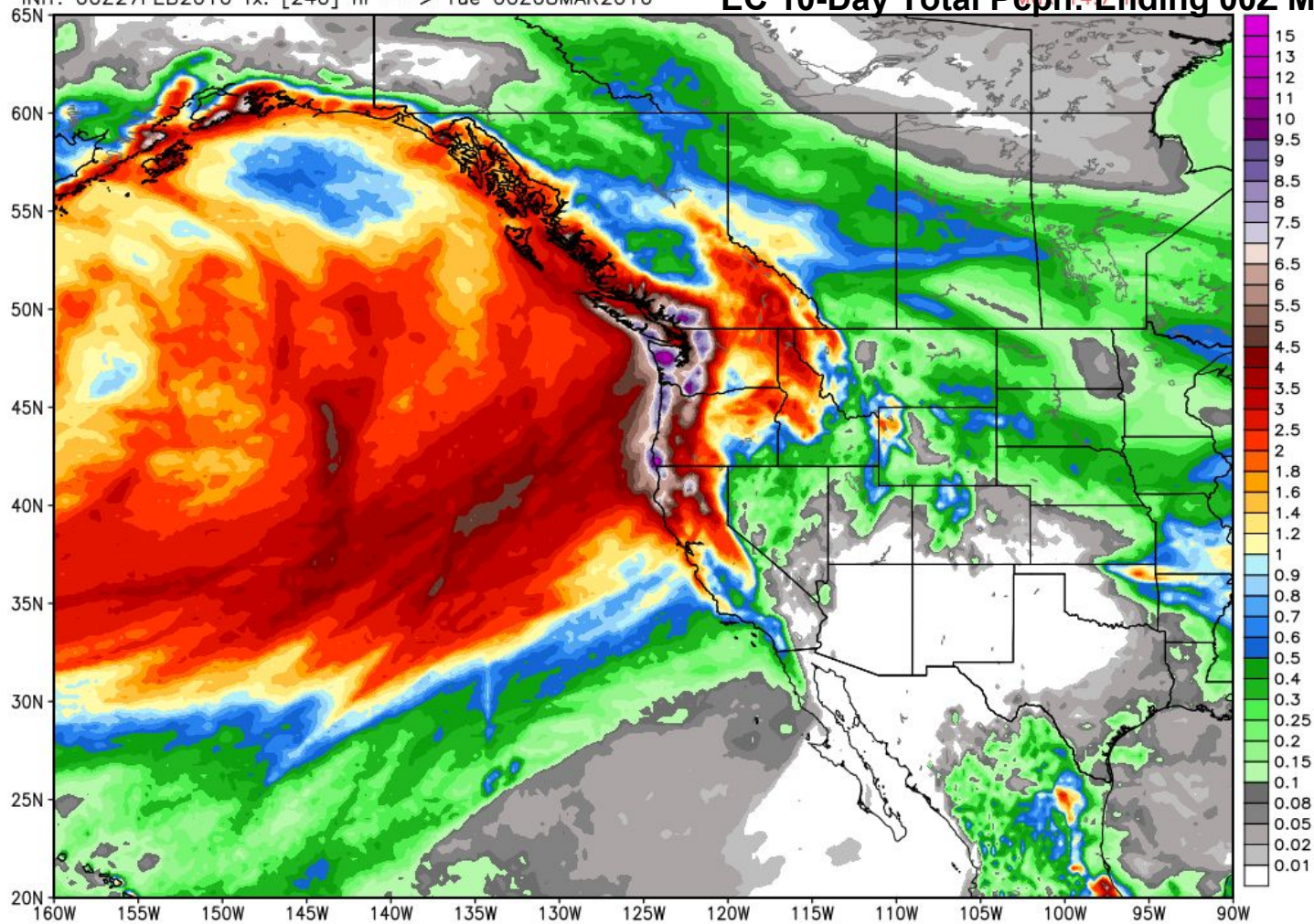
Latest: 72HR Lead EC Valid 00Z Wed



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

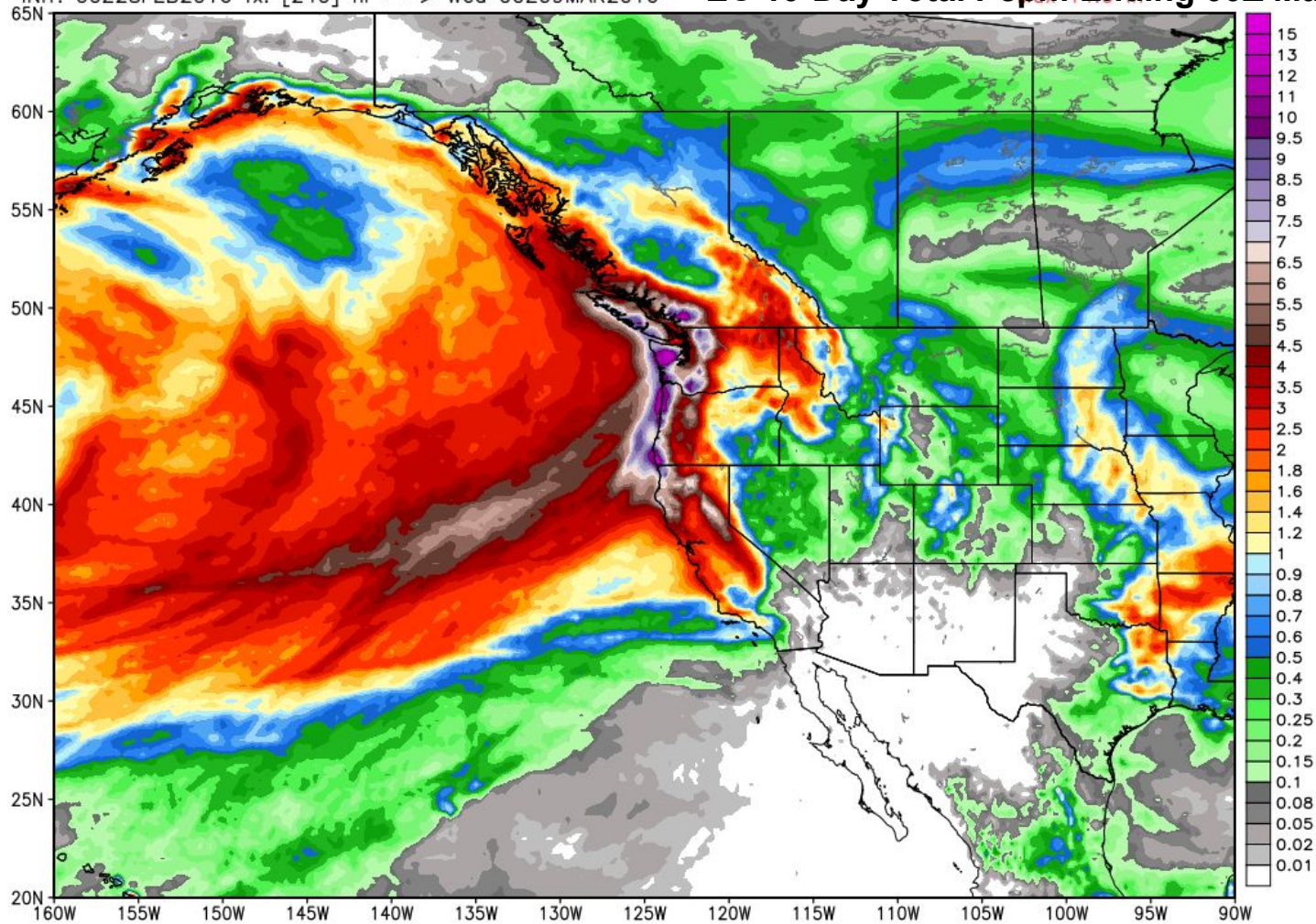
INIT: 00Z27FEB2016 fx: [240] hr --> Tue 00Z08MAR2016

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

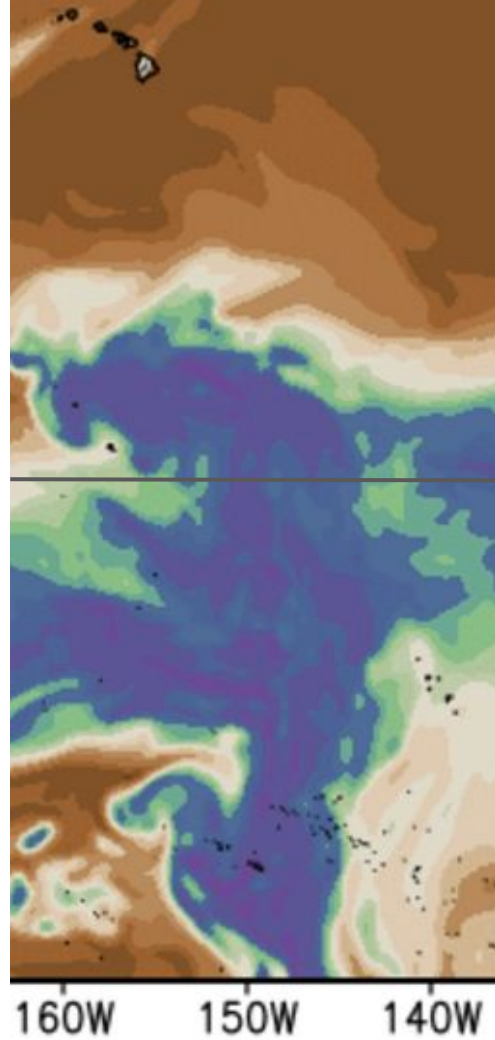


ECMWF Total Precipitation [inches] between 00Z28FEB2016 -- 00Z09MAR2016
INIT: 00Z28FEB2016 fx: [240] hr --> Wed 00Z09MAR2016

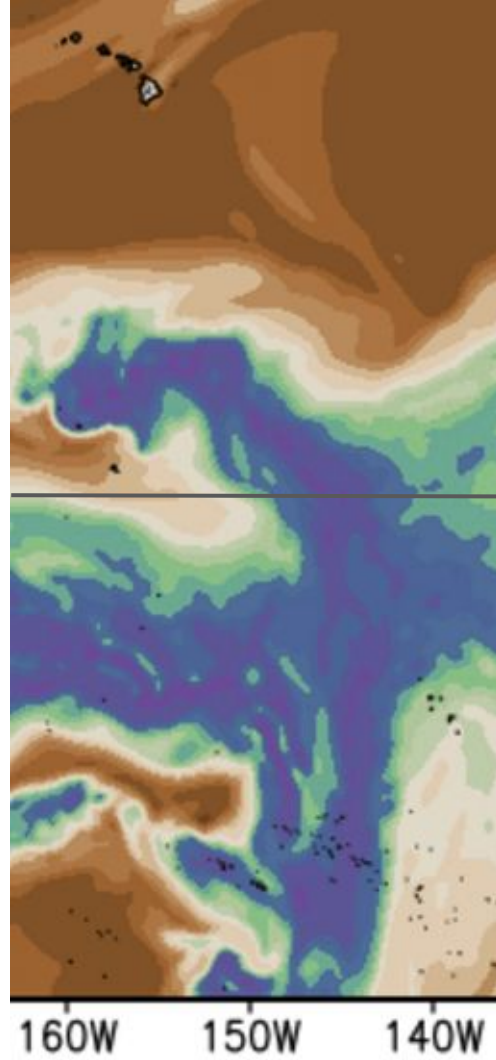
EC 10-Day Total Pcpn: Ending 00Z Mar 9



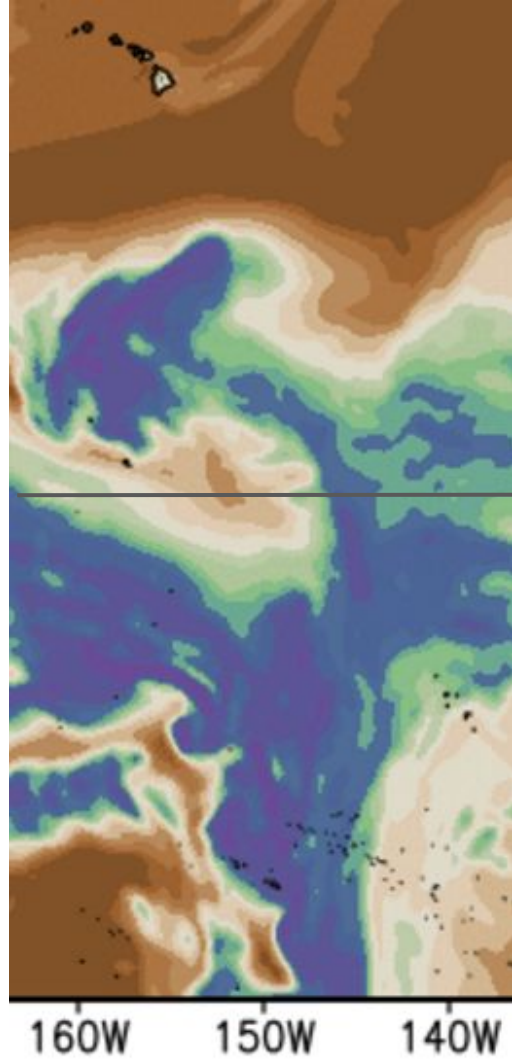
GFS 700RH 00Z Mon



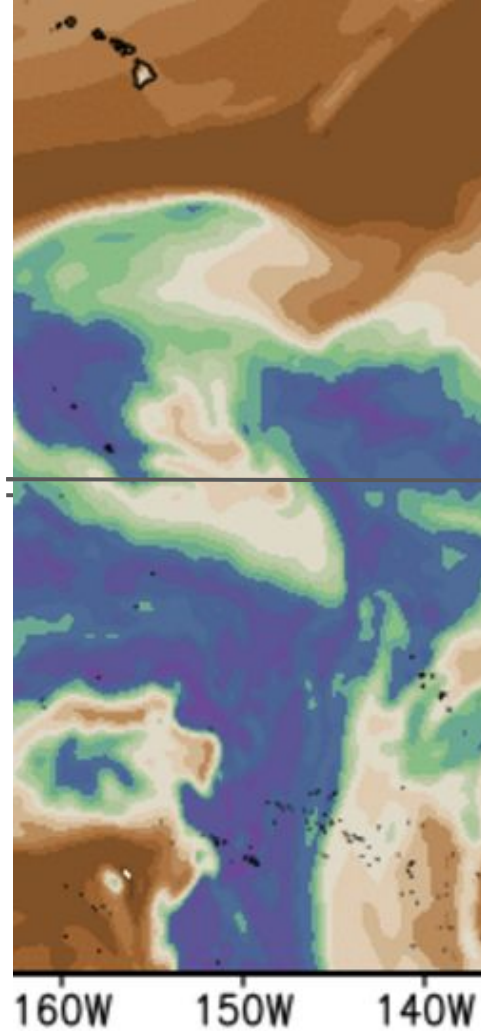
GFS 700RH 00Z TUE



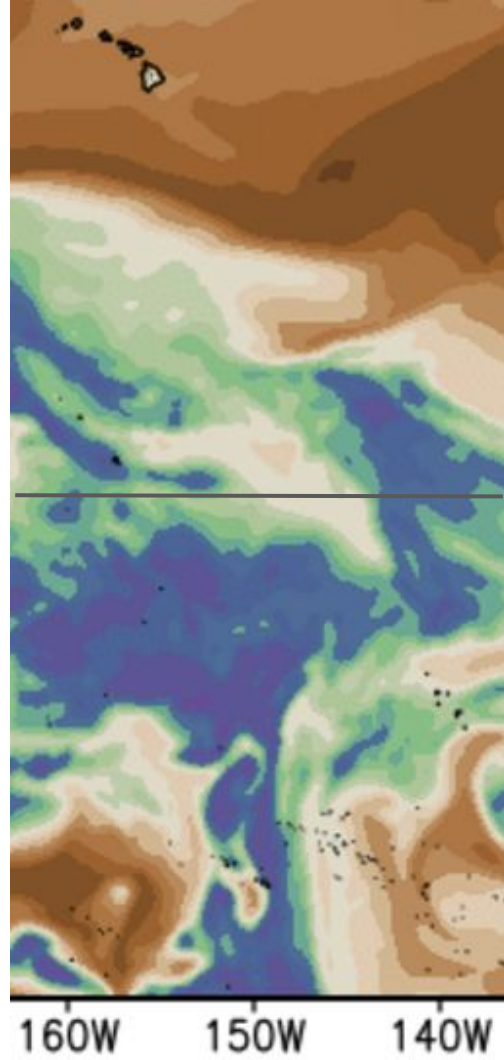
GFS 700RH 00Z WED



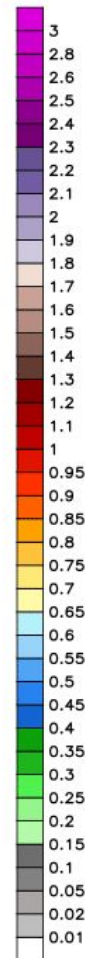
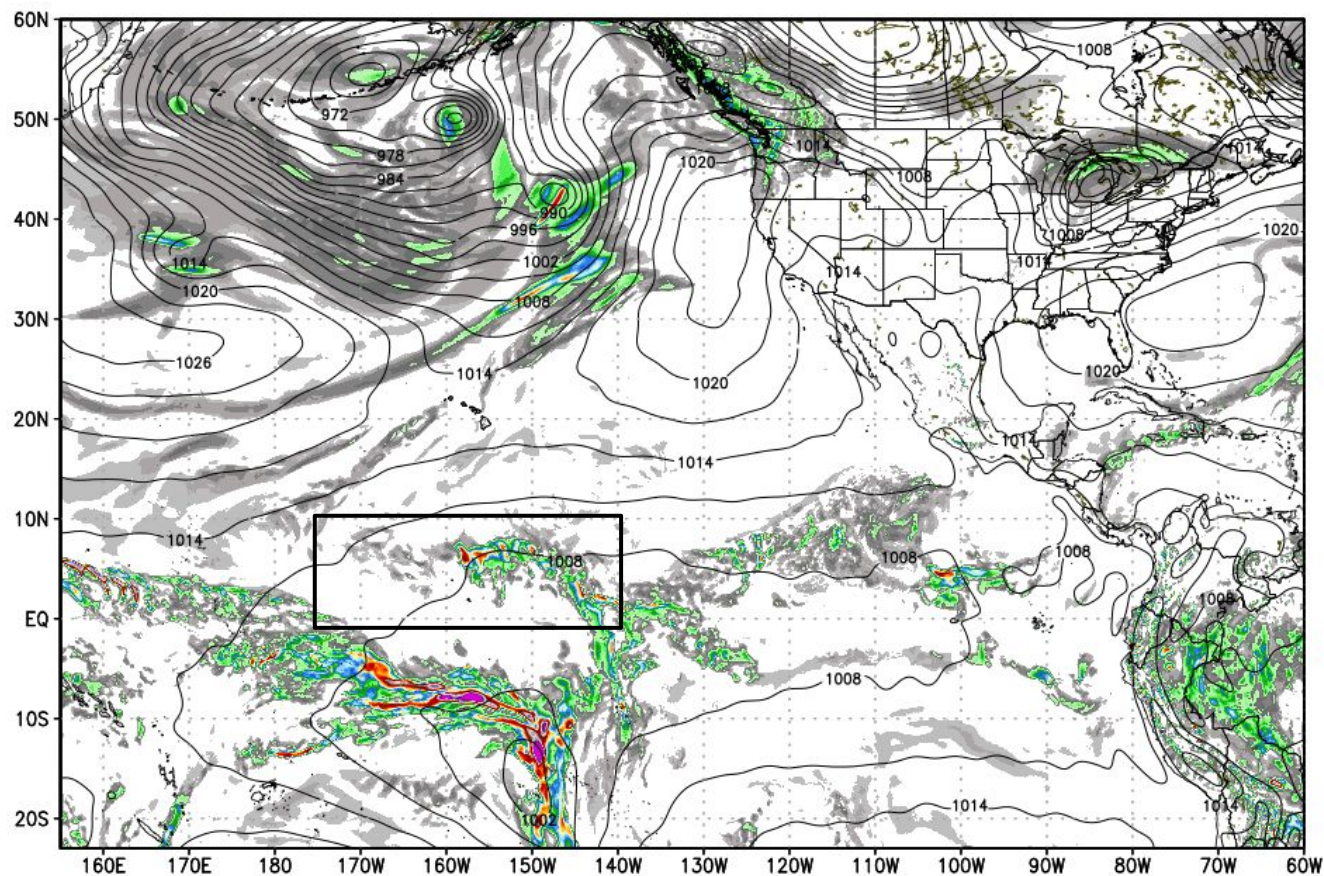
GFS 700RH 00Z THU



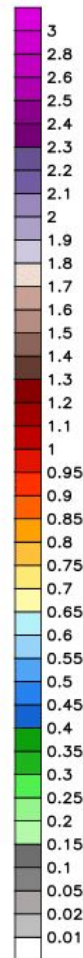
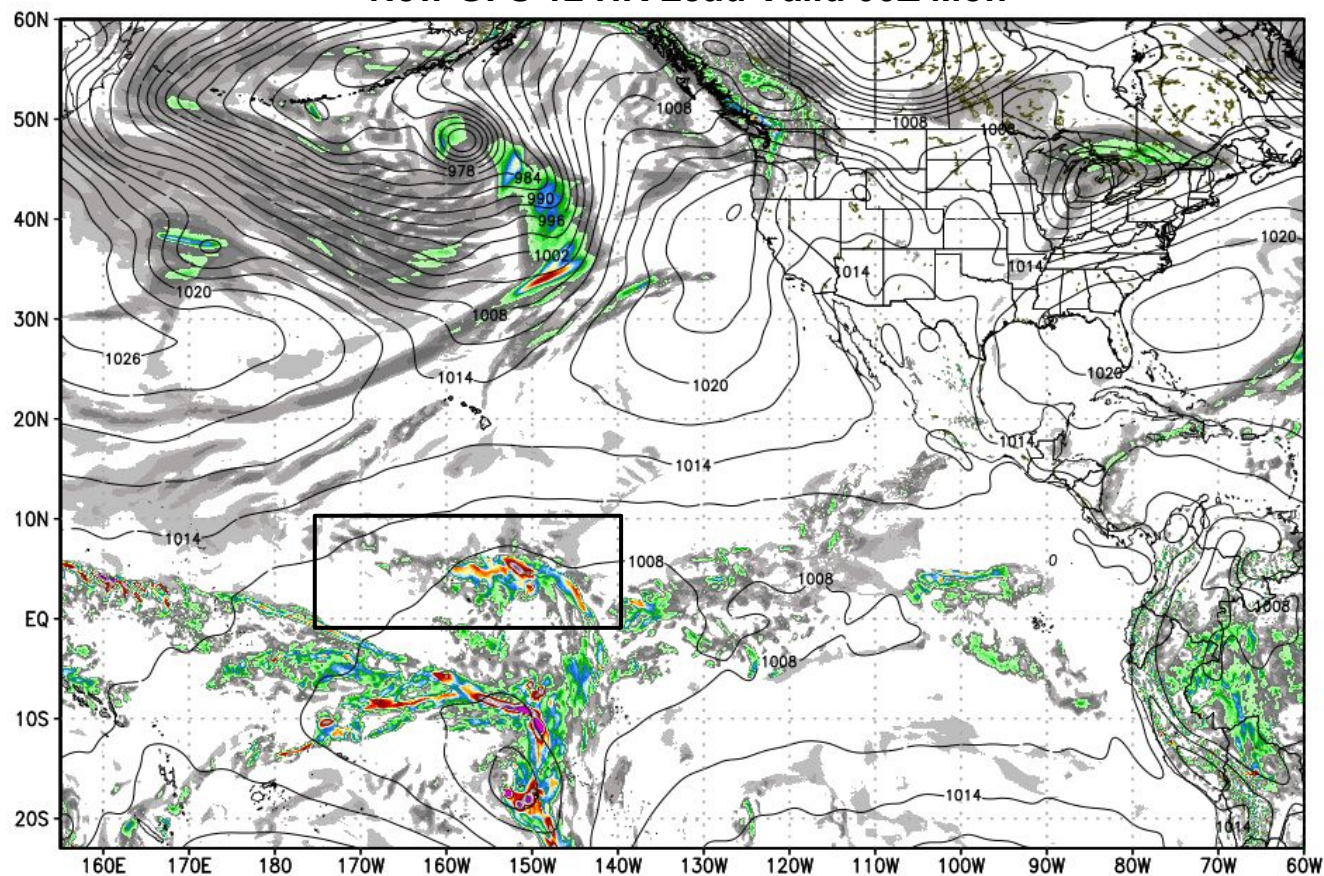
GFS 700RH 00Z Fri



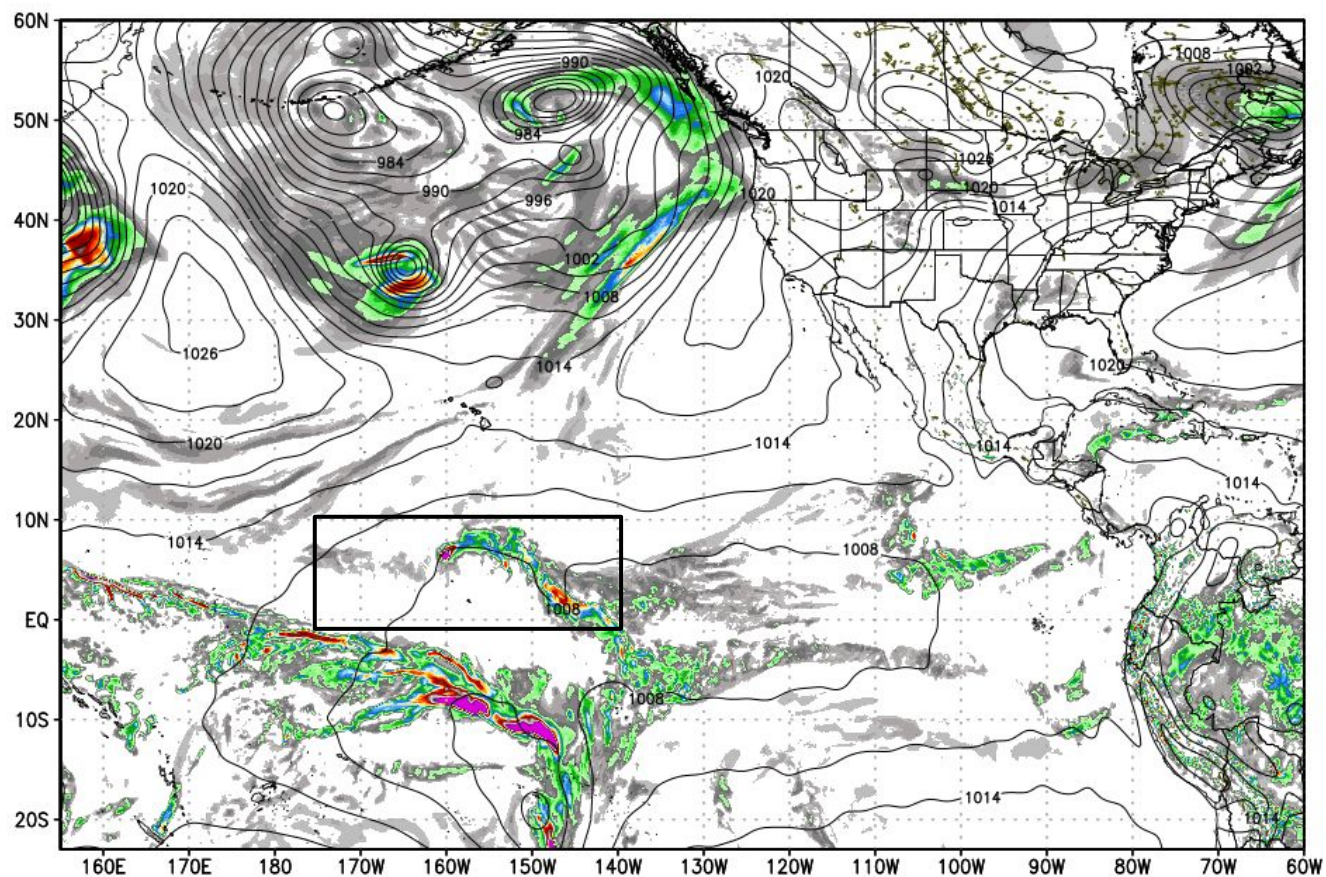
Prior GFS 36HR Lead Valid 00Z Mon



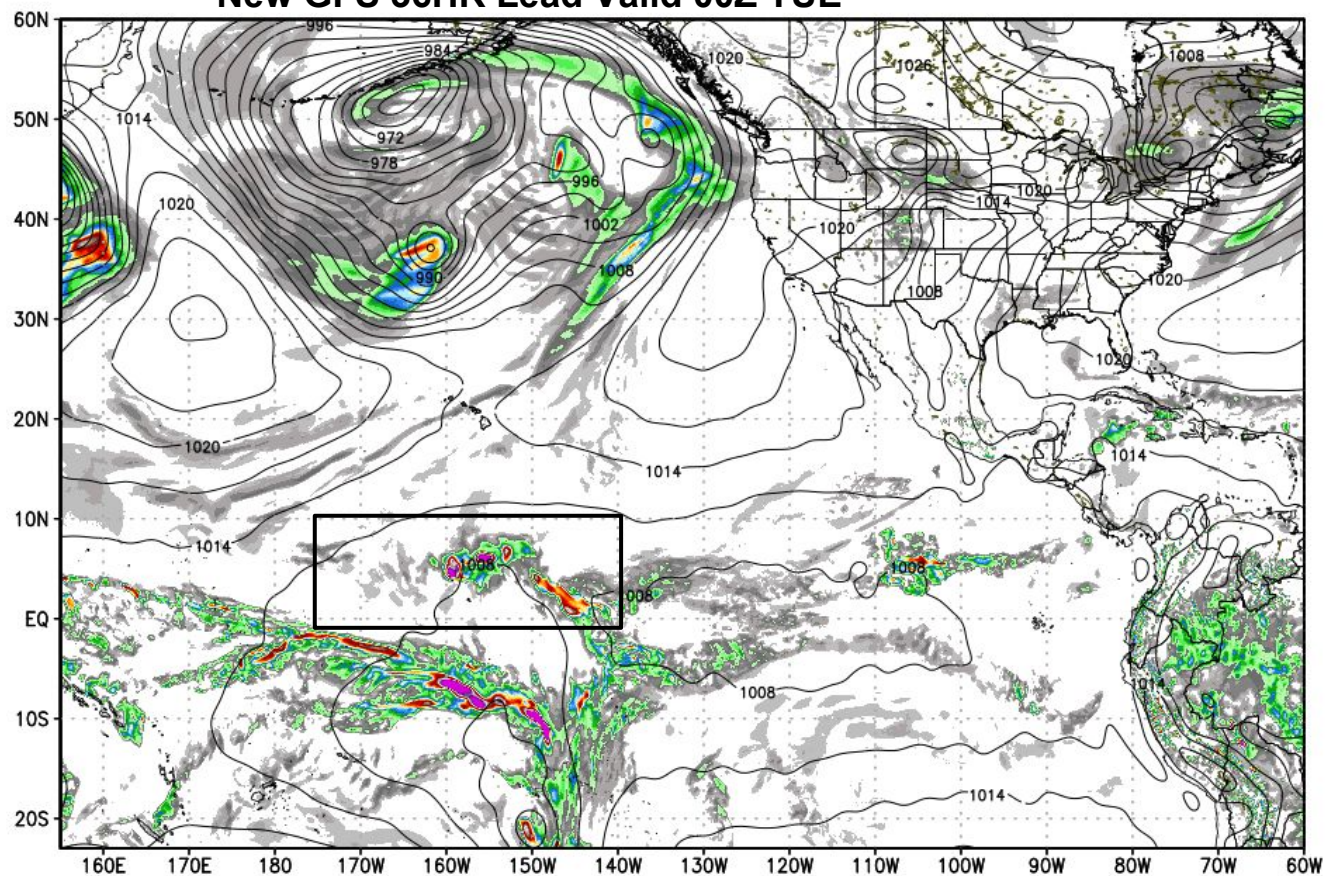
New GFS 12 HR Lead Valid 00Z Mon



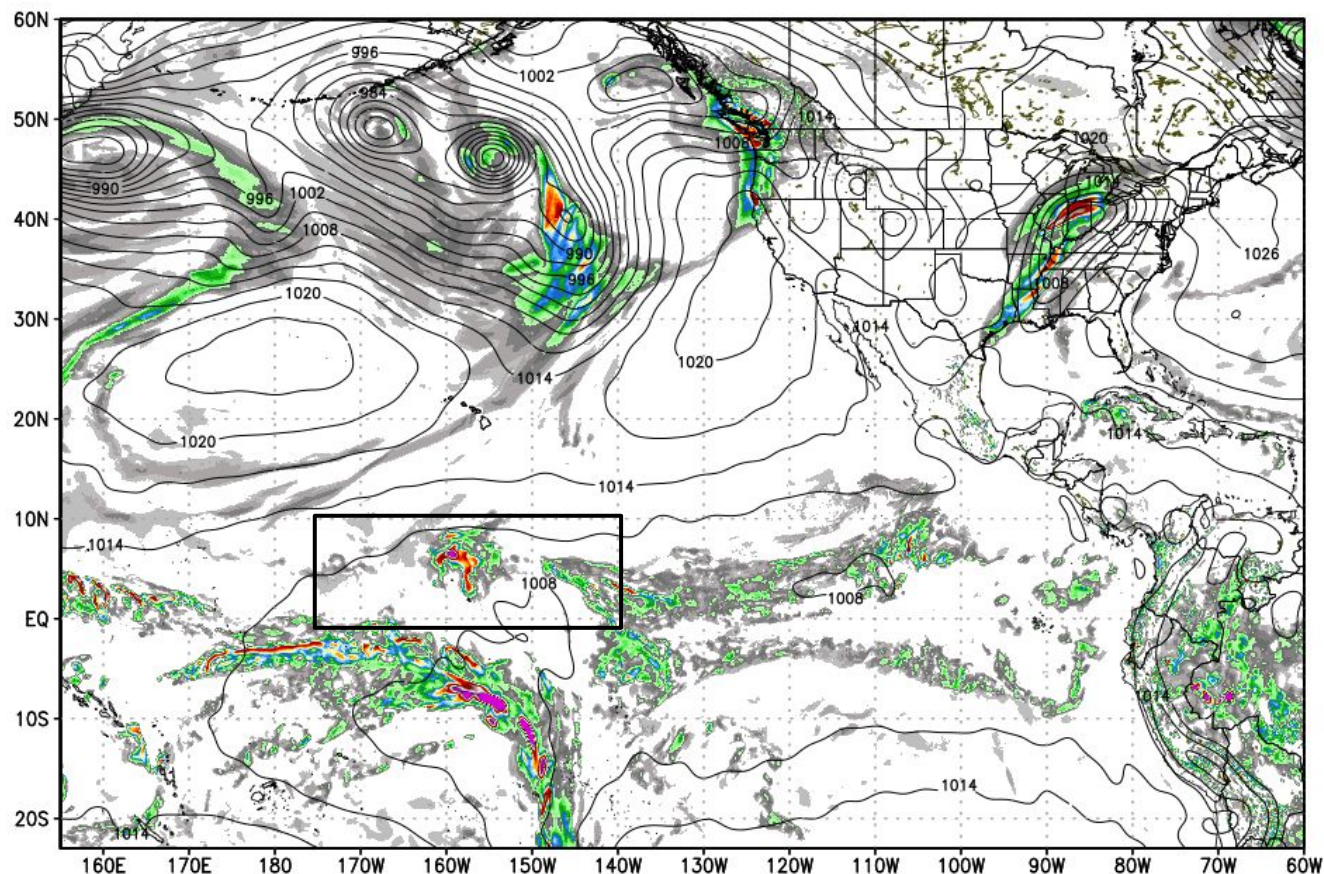
Prior GFS 60HR Lead Valid 00Z Tue



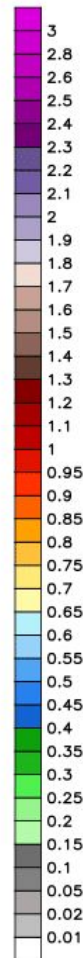
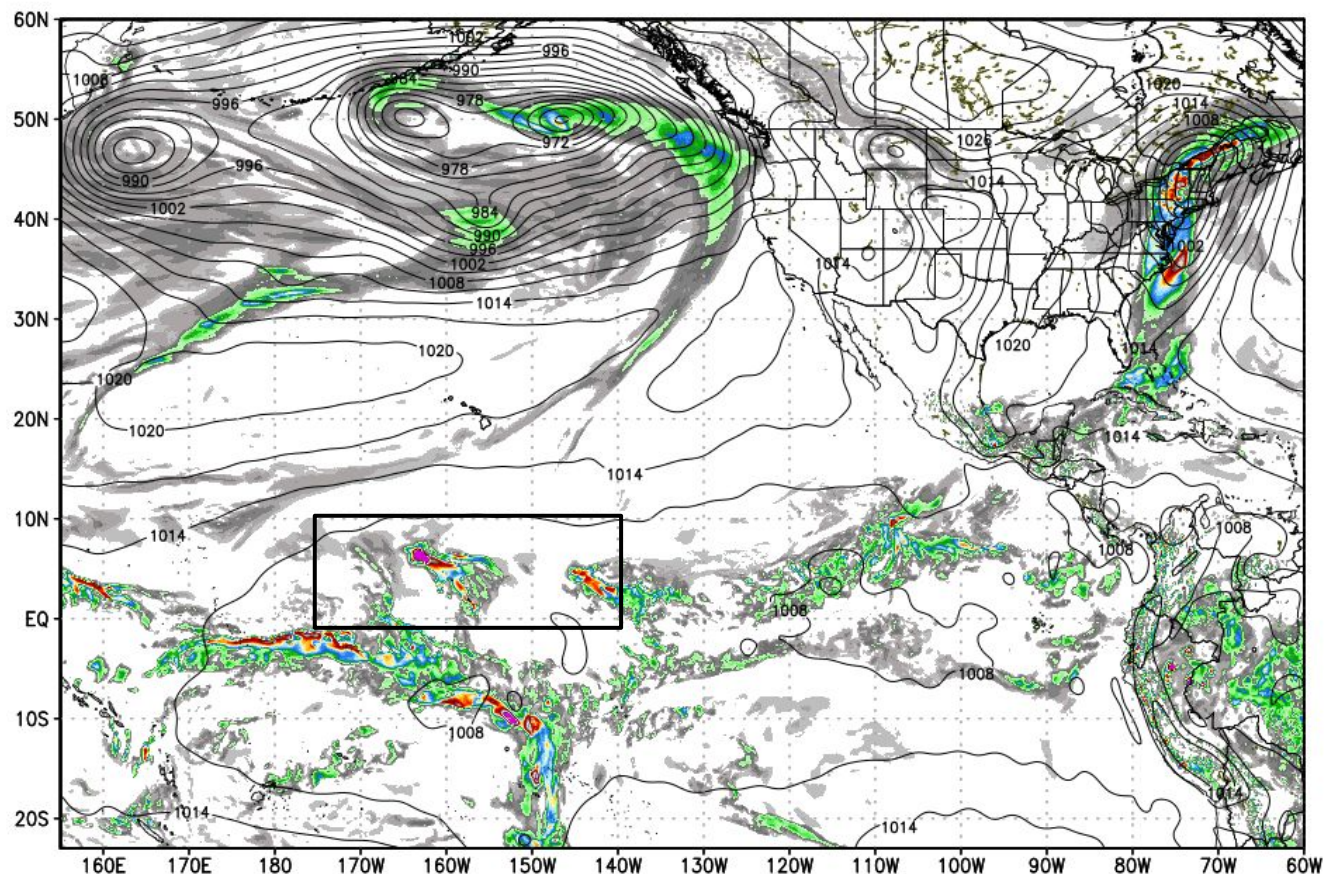
New GFS 36HR Lead Valid 00Z TUE



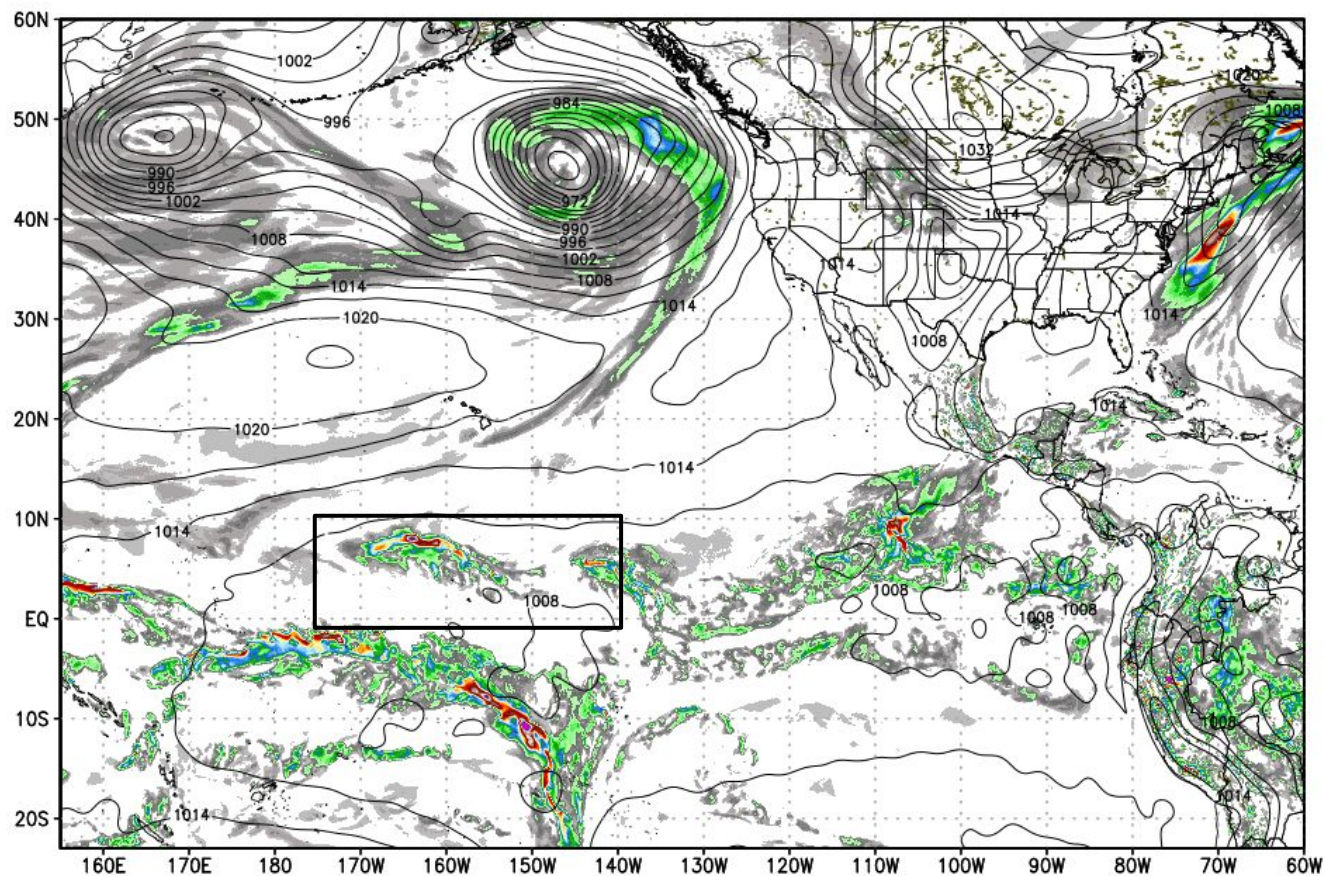
New GFS 60HR Lead Valid 00Z Wed



New GFS 84 HR Lead Valid 00Z Thu

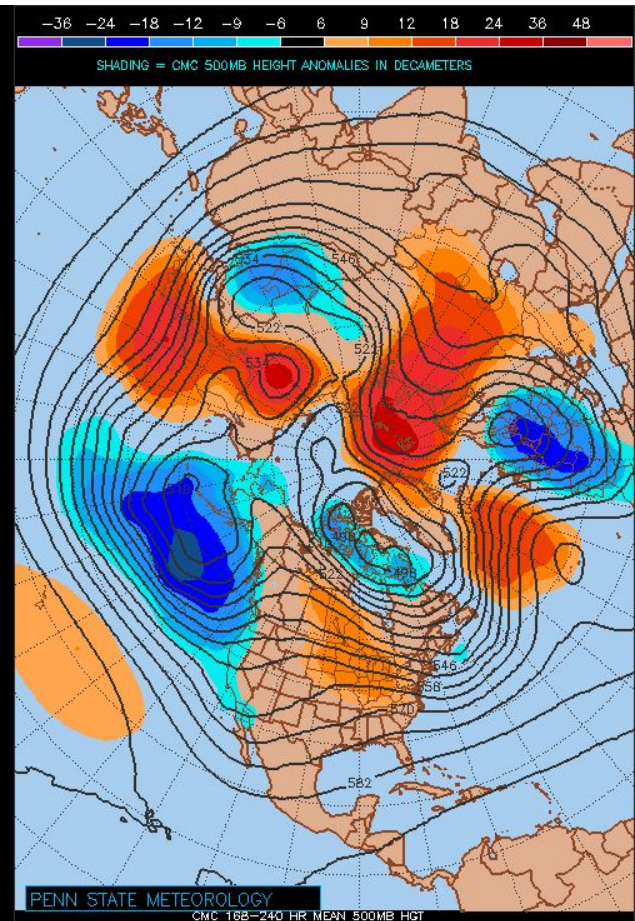
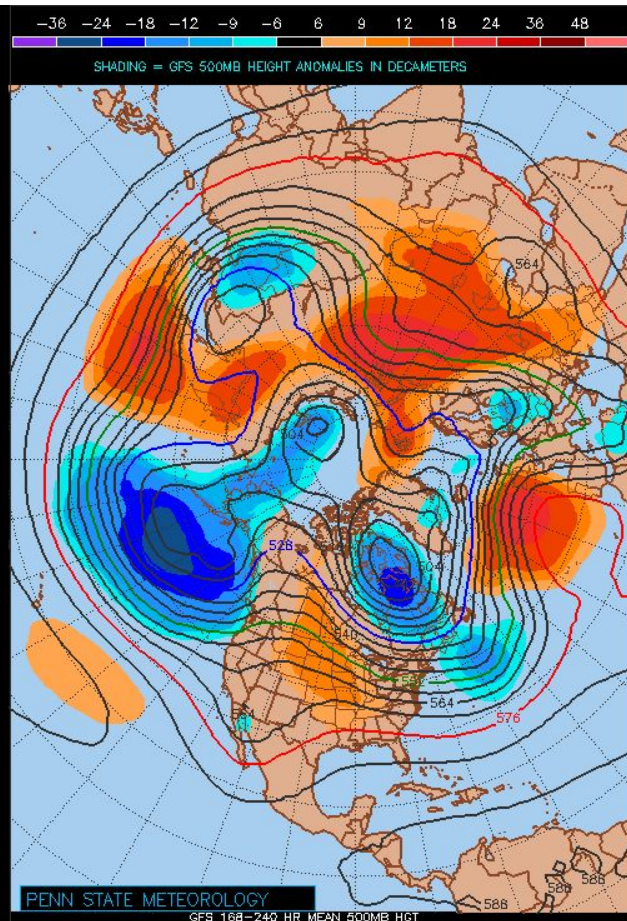
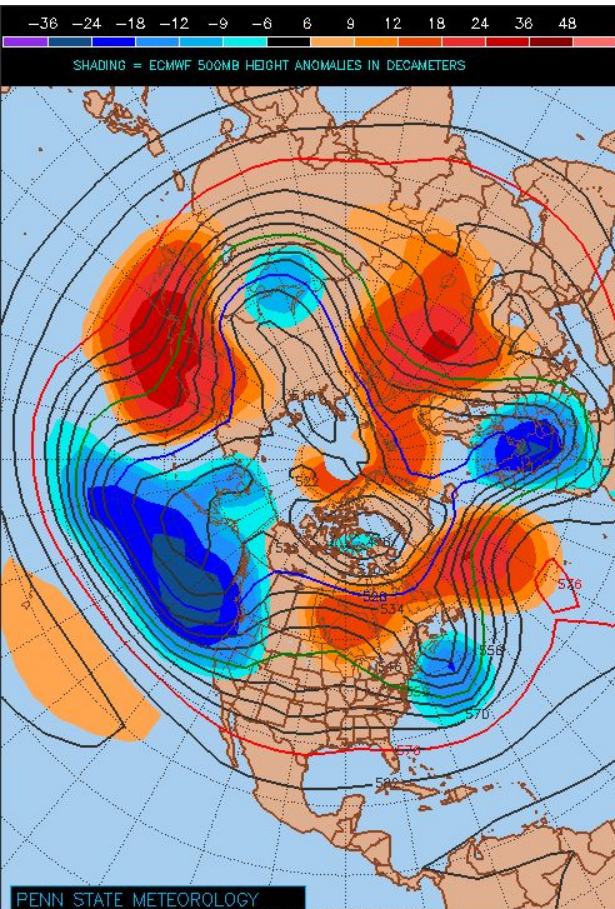


Prior GFS 108HR Lead Valid 00Z Thu



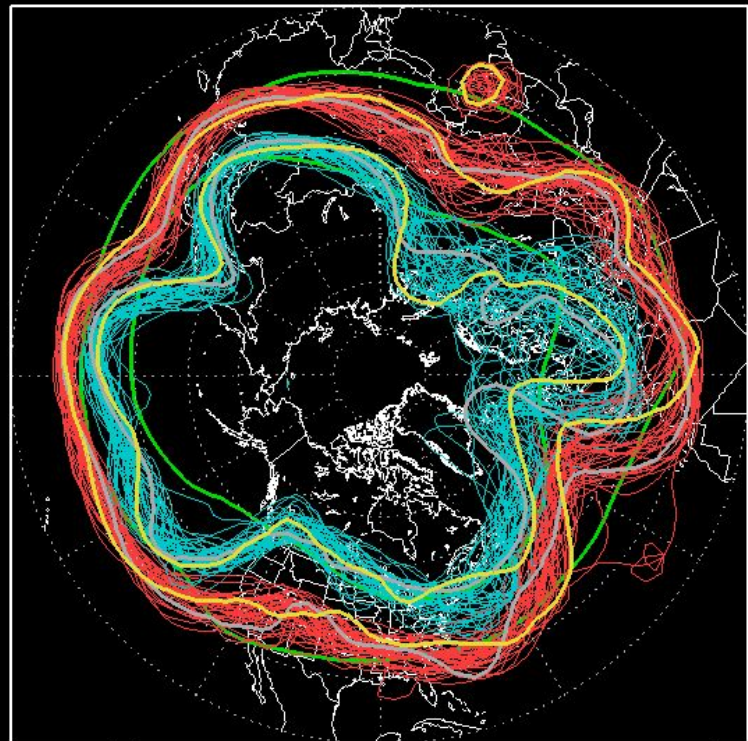
Medium - Long Range Forecast

Day 7-10 Initialized 00Z SUN 28Feb



NCEP ENSEMBLE 500mb Z

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

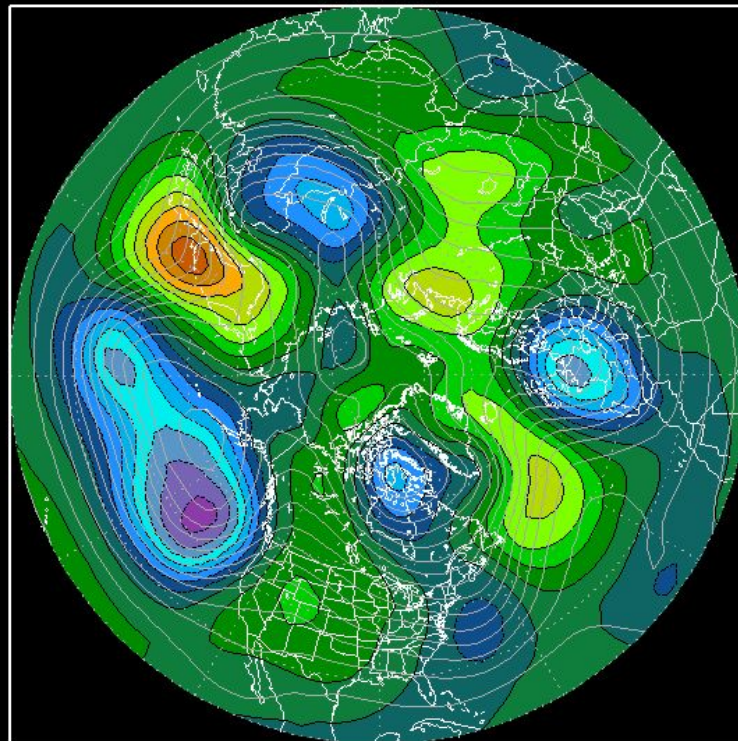


00z Runs:(21) 12z Runs:(21)

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

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

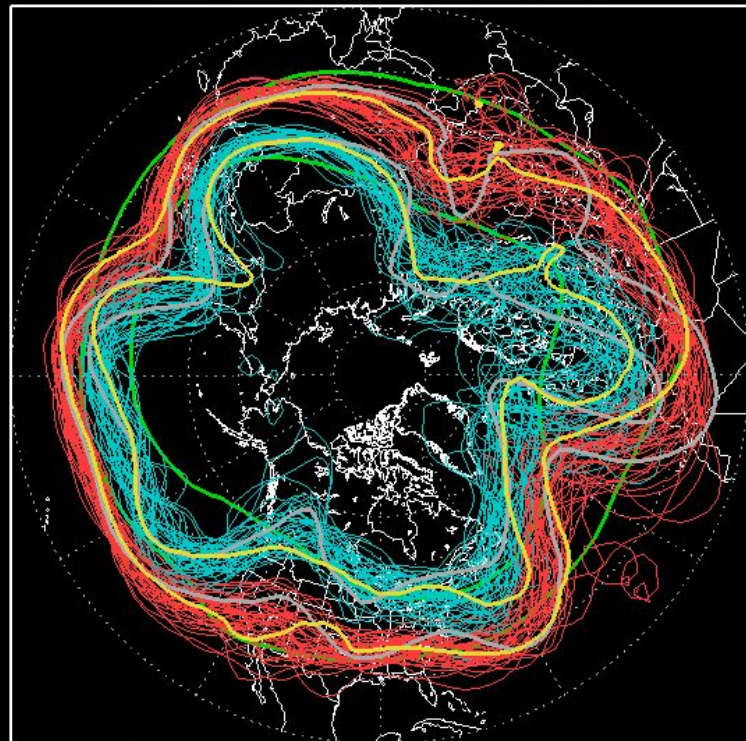
168H Forecast from: 00Z Sun FEB,28 2016
Valid time: 00Z Sun MAR,06 2016



-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

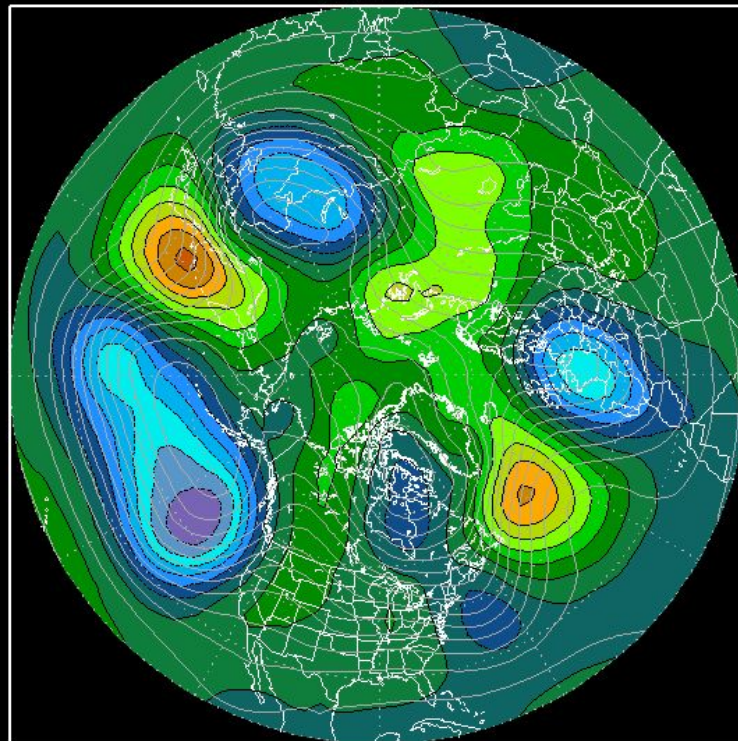


00z Runs:(21) 12z Runs:(21)

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

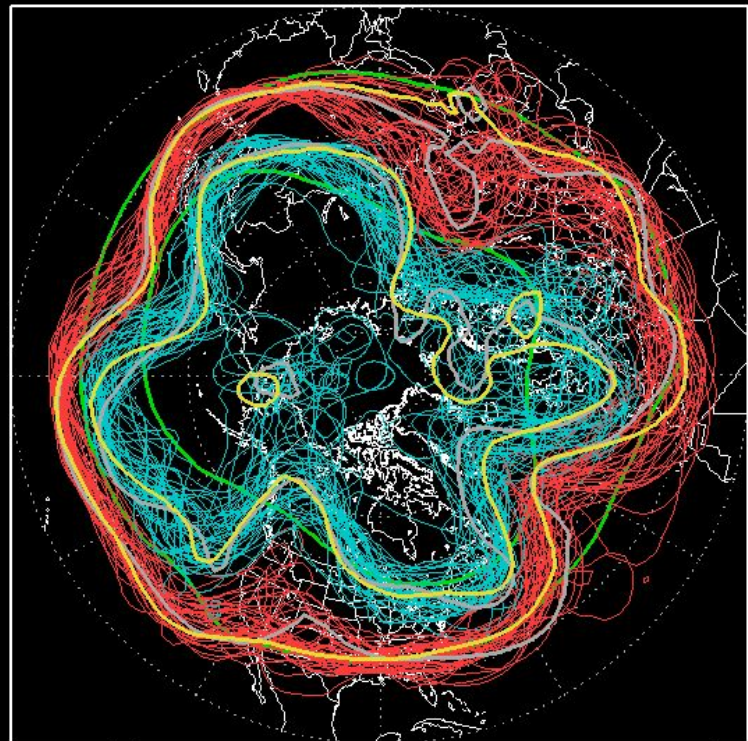
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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



NCEP ENSEMBLE 500mb Z

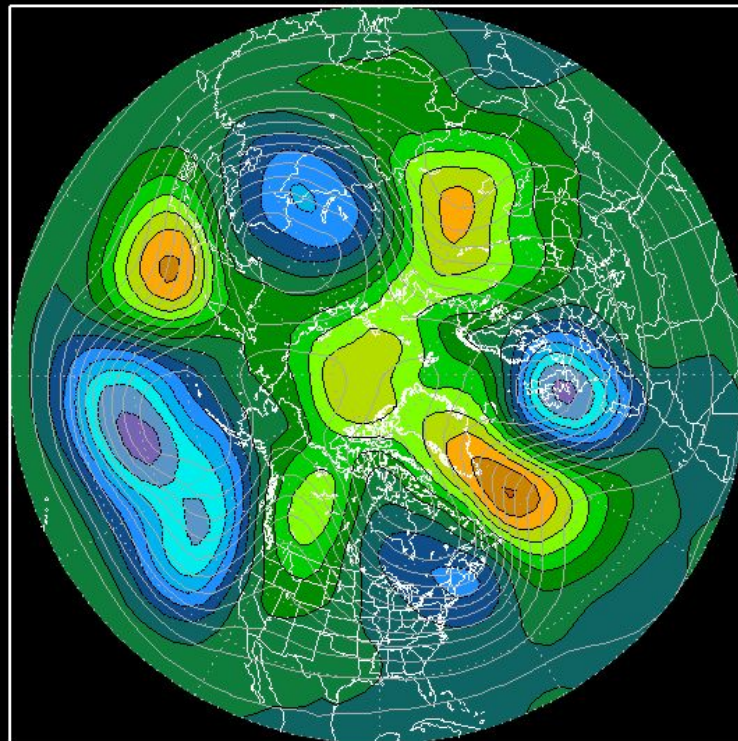
216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

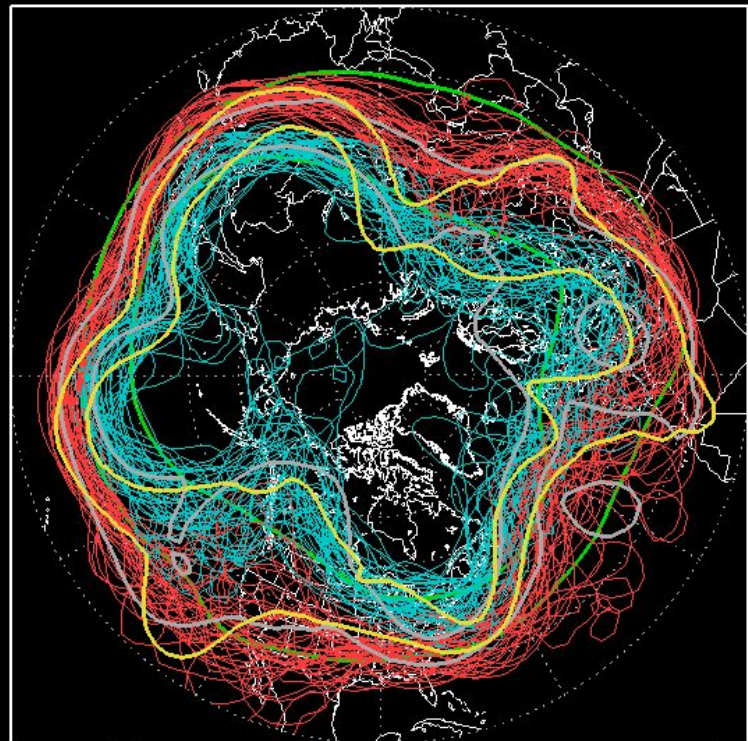
216H Forecast from: 00Z Fri FEB,26 2016
Valid time: 00Z Sun MAR,06 2016



-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

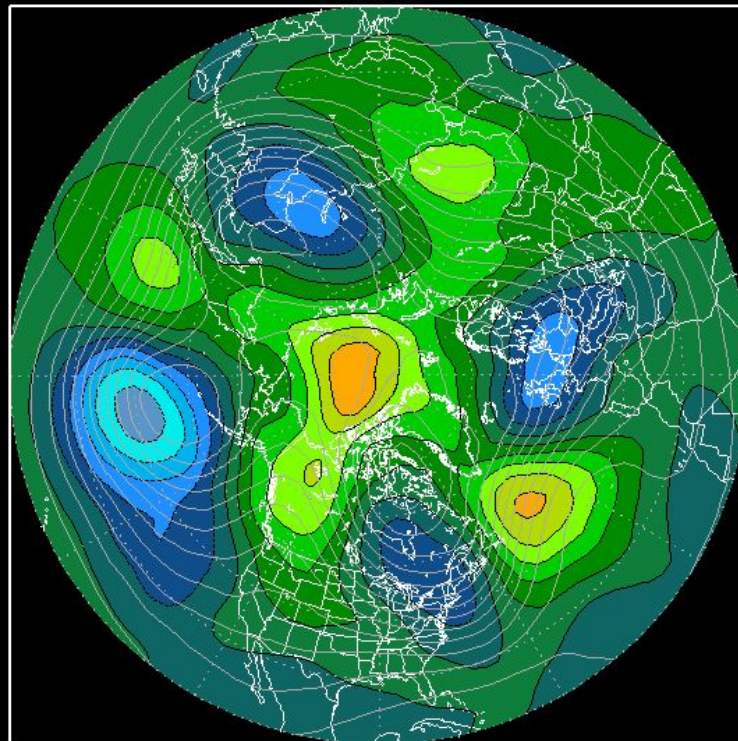


00z Runs:(21) 12z Runs:(21)

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

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

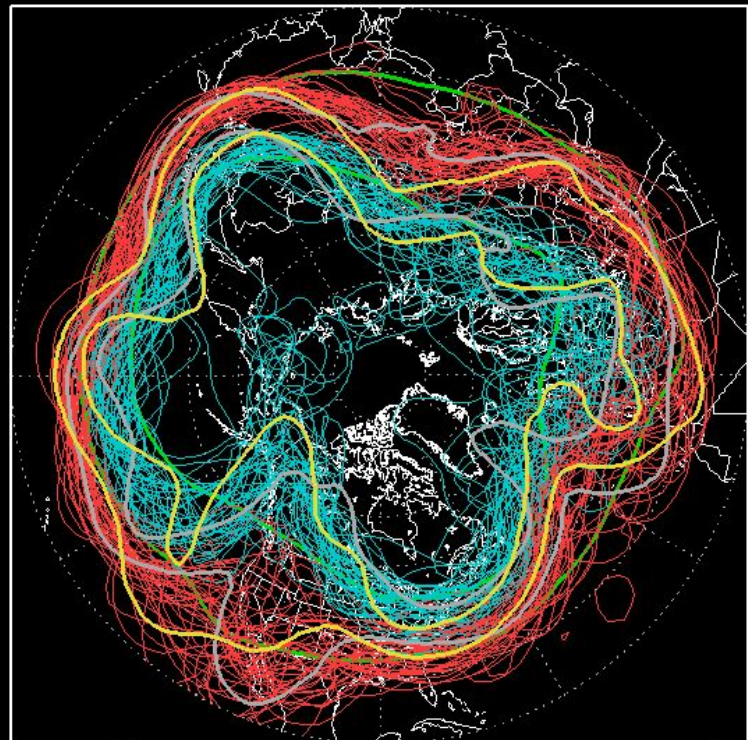
264H Forecast from: 00Z Wed FEB,24 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

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

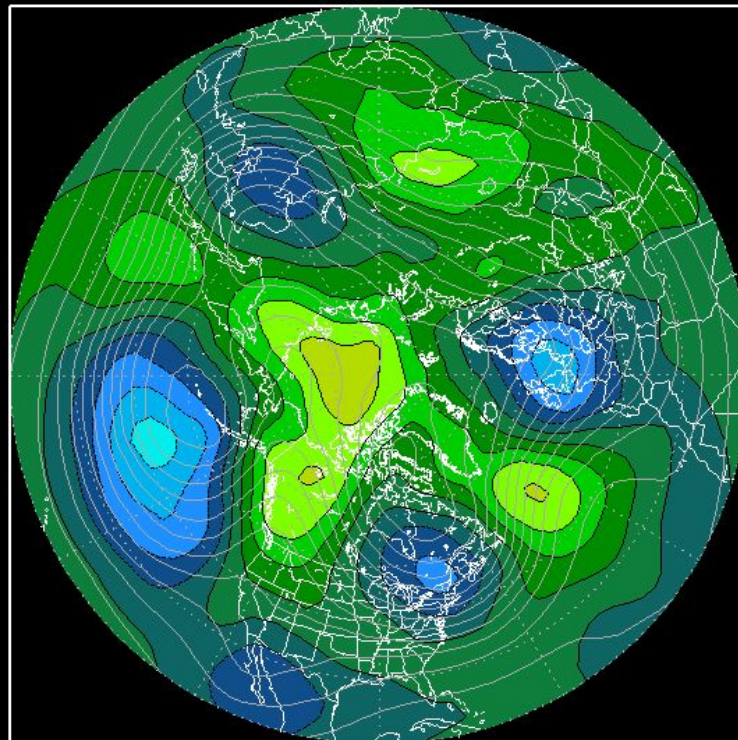


00z Runs:(21) 12z Runs:(21)

5460m 5700m Cntrl 00z Cntrl 12z CLIM

NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

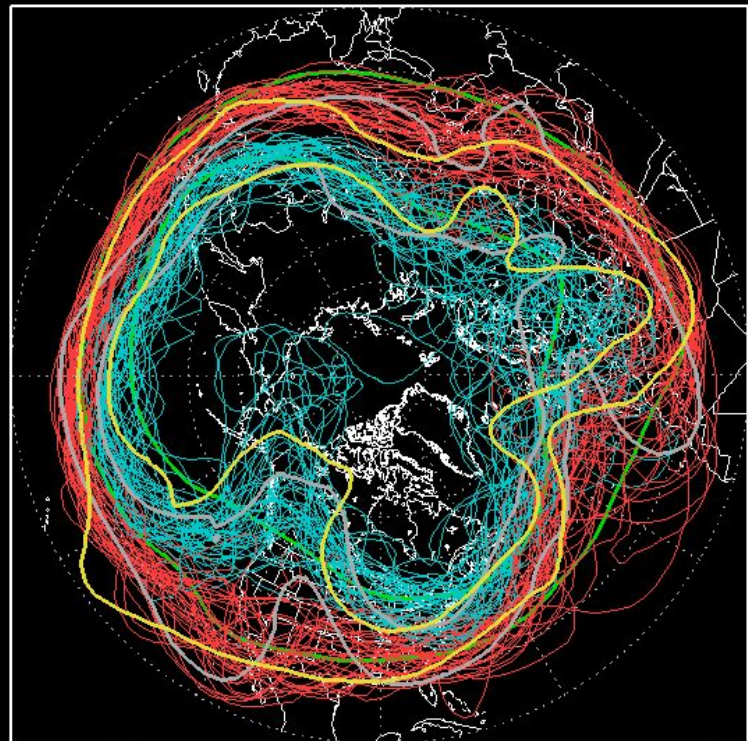
288H Forecast from: 00Z Tue FEB,23 2016
Valid time: 00Z Sun MAR,06 2016



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

NCEP ENSEMBLE 500mb Z

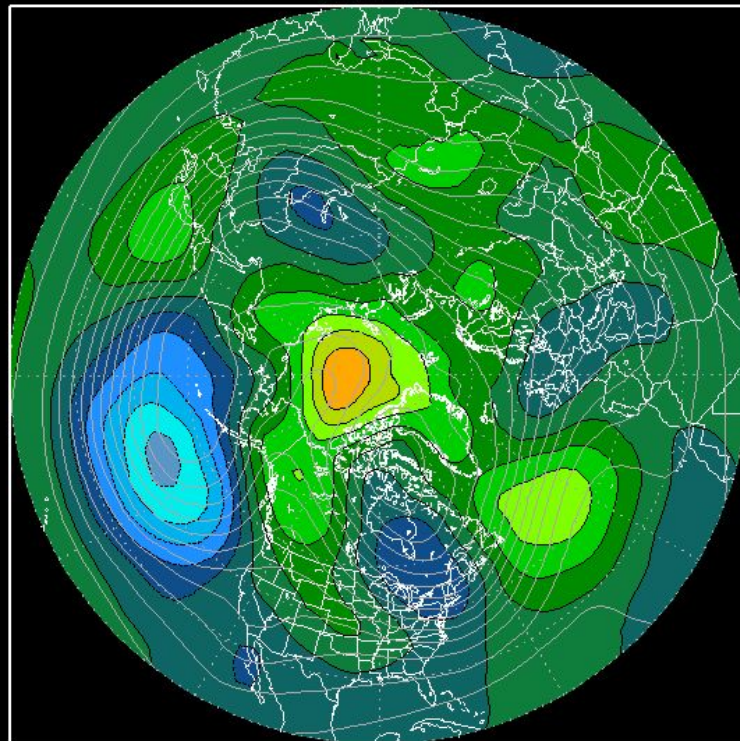
312H Forecast from: 00Z Mon FEB,22 2016
Valid time: 00Z Sun MAR,06 2016



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

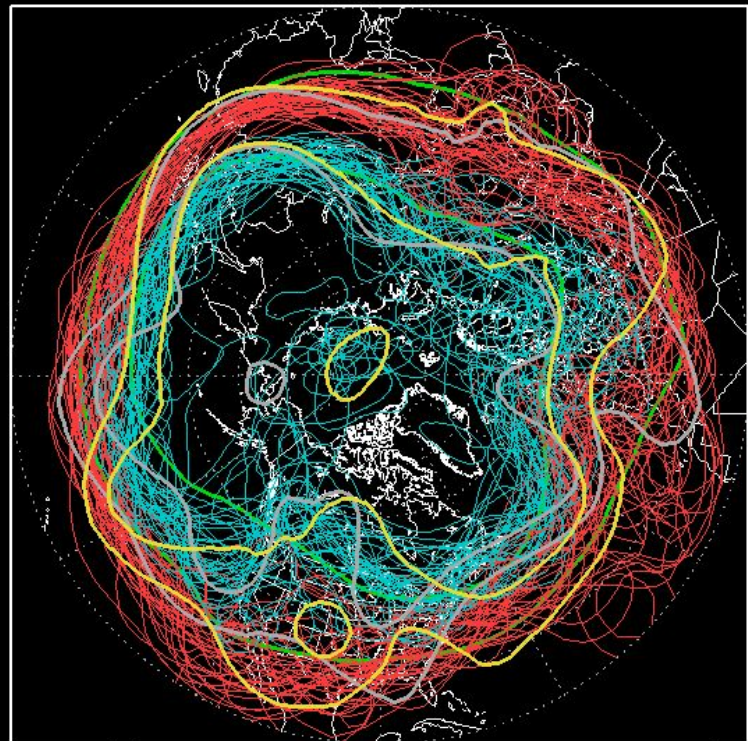
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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



NCEP ENSEMBLE 500mb Z

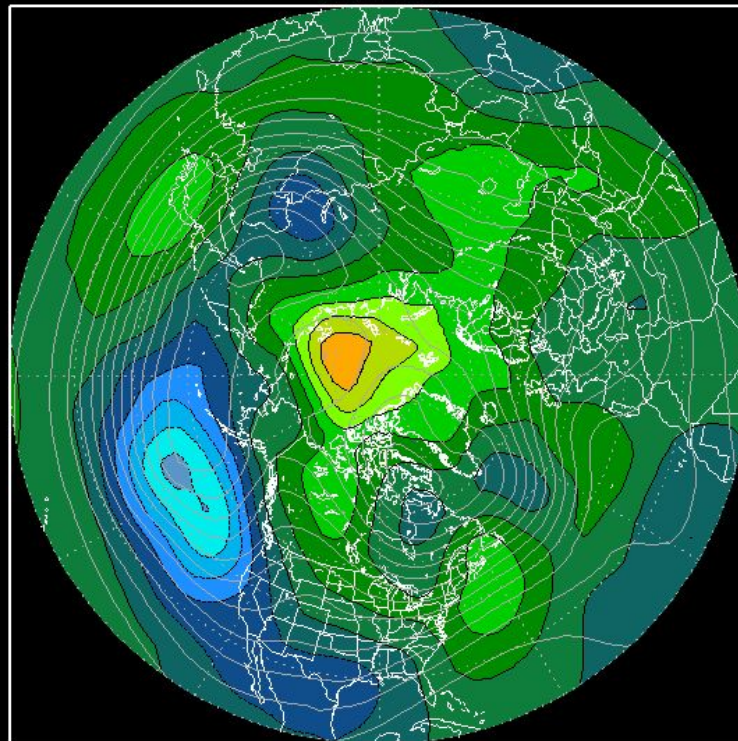
360H Forecast from: 00Z Sat FEB,20 2016
Valid time: 00Z Sun MAR,06 2016



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

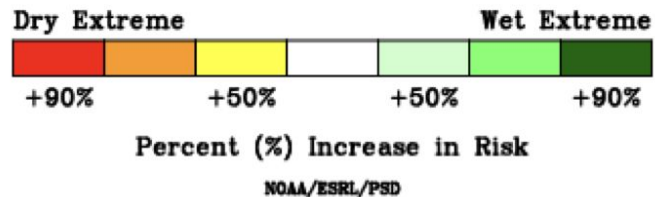
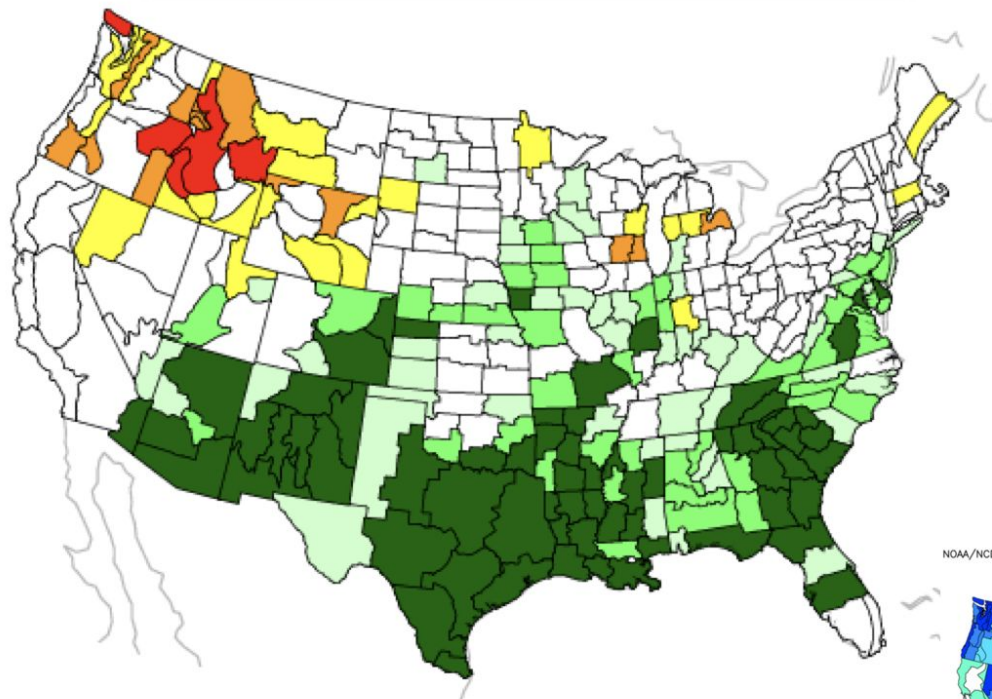
NCEP ENSEMBLE MEAN ANOMALY- 500mbZ(m)

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

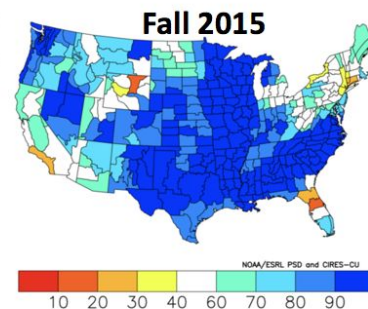


-360 -280 -200 -120 -40 40 120 200 280 360

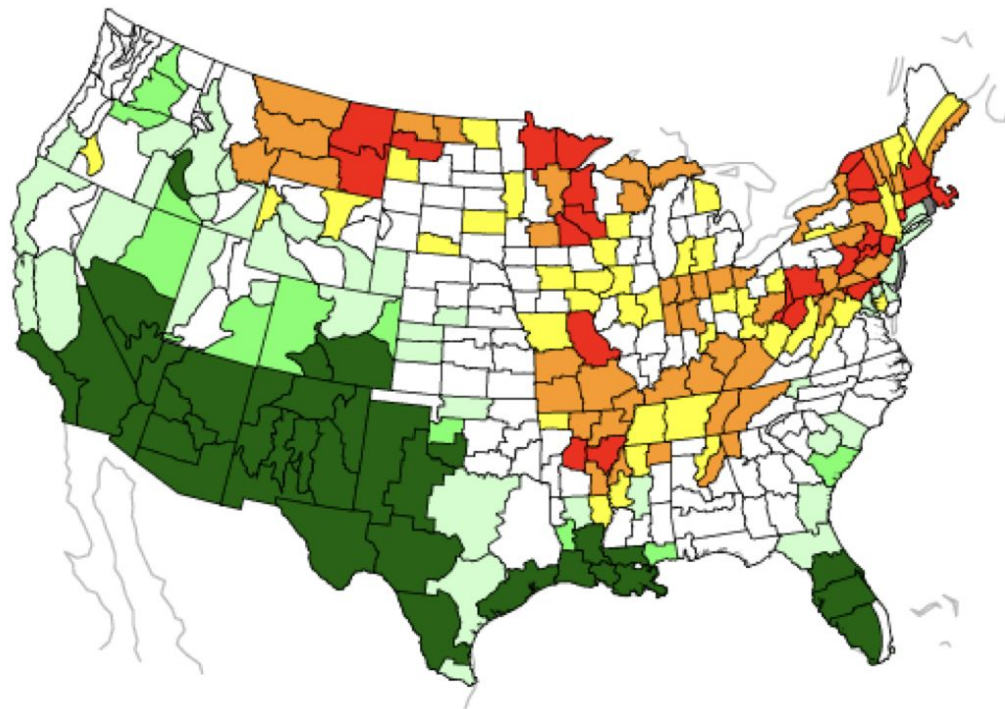
Fall Impacts of El Niño



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



Spring Impacts of El Niño



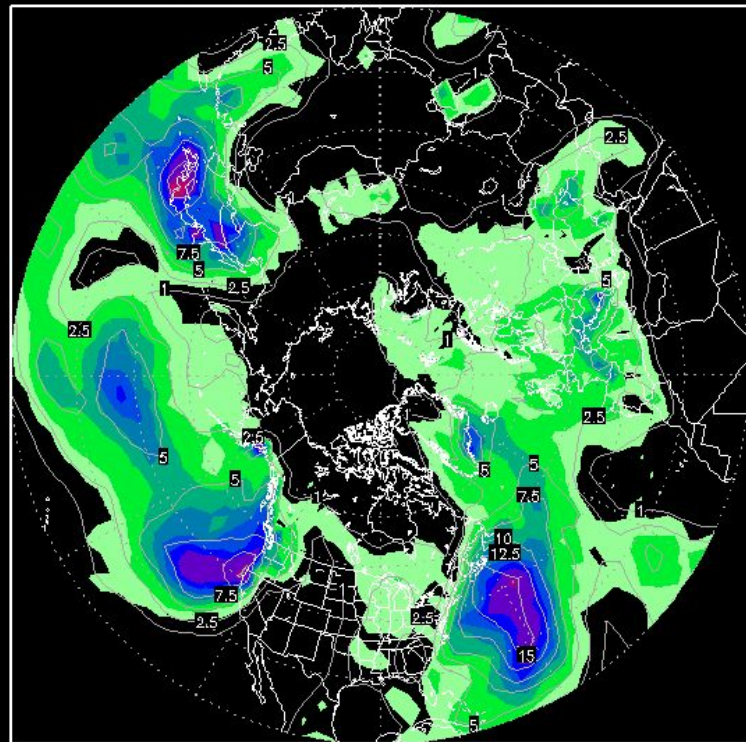
Percent (%) Increase in Risk

NOAA/ESRL/PSD

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

168H Forecast from: 00Z Sun FEB,28 2016

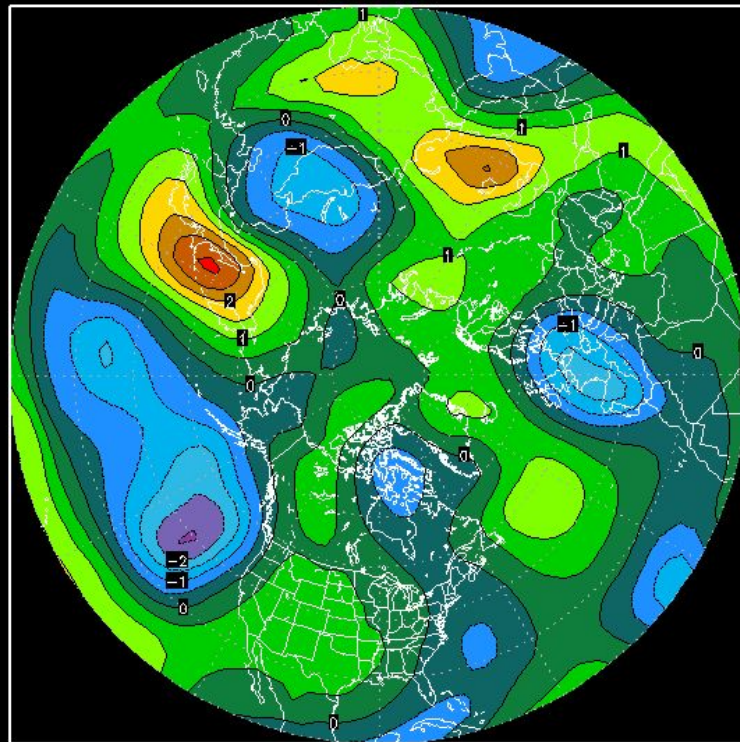
Valid time: 00Z Sun MAR,06 2016



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

168H Forecast from: 00Z Sun FEB,28 2016

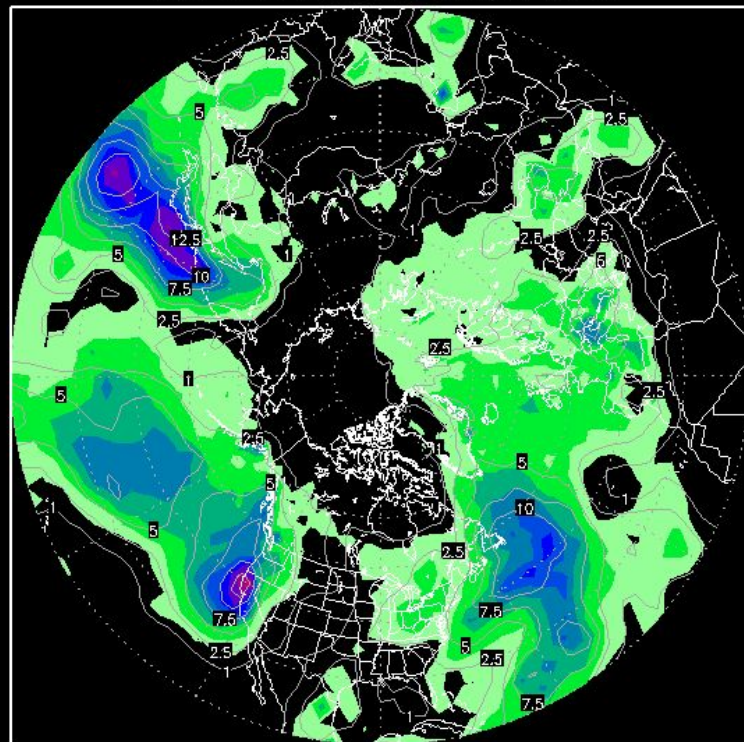
Valid time: 00Z Sun MAR,06 2016



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

192H Forecast from: 00Z Sun FEB,28 2016

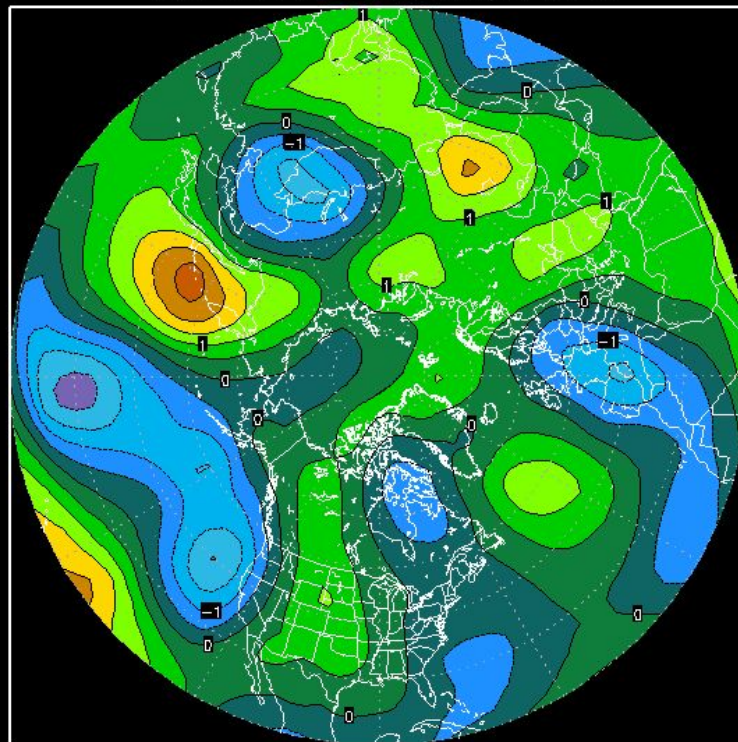
Valid time: 00Z Mon MAR,07 2016



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

192H Forecast from: 00Z Sun FEB,28 2016

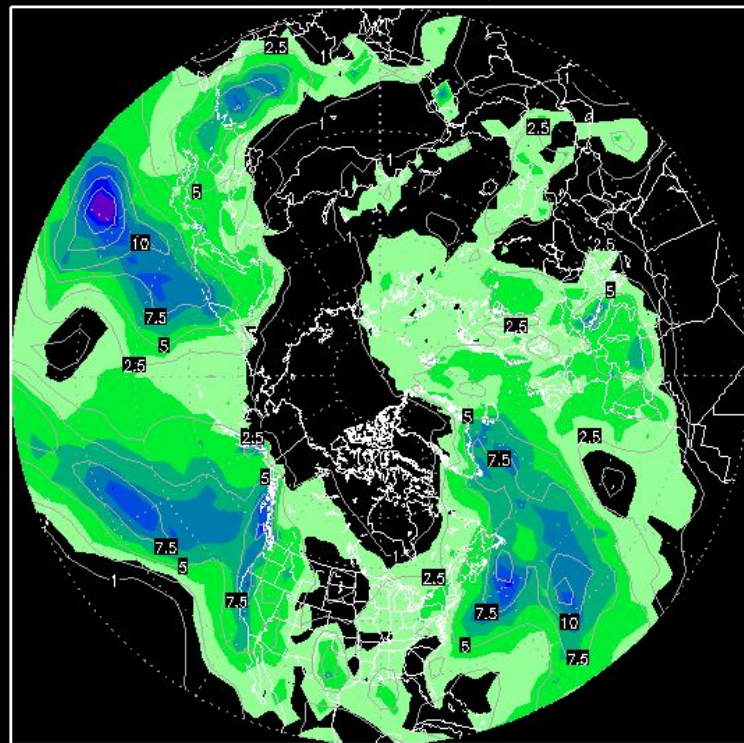
Valid time: 00Z Mon MAR,07 2016



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

216H Forecast from: 00Z Sun FEB,28 2016

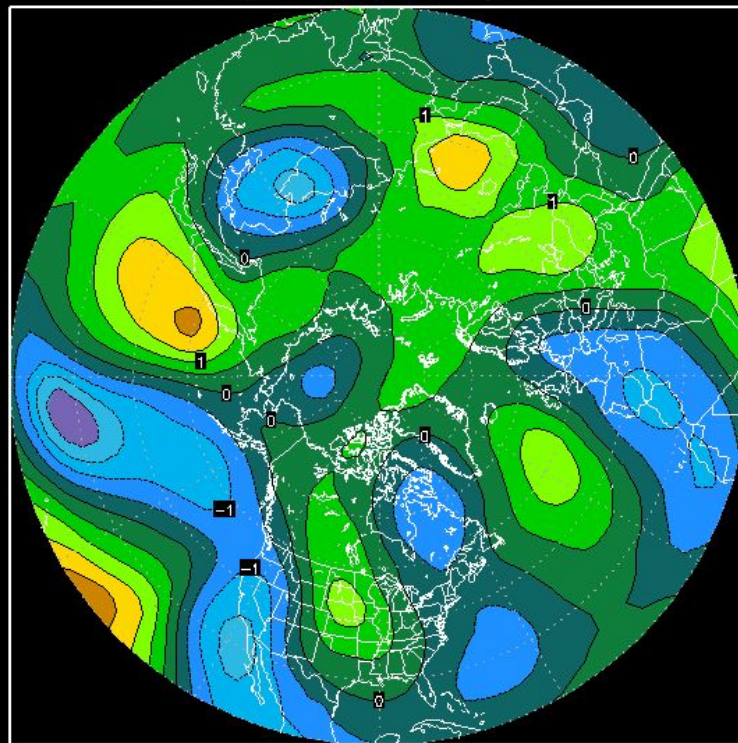
Valid time: 00Z Tue MAR,08 2016



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

216H Forecast from: 00Z Sun FEB,28 2016

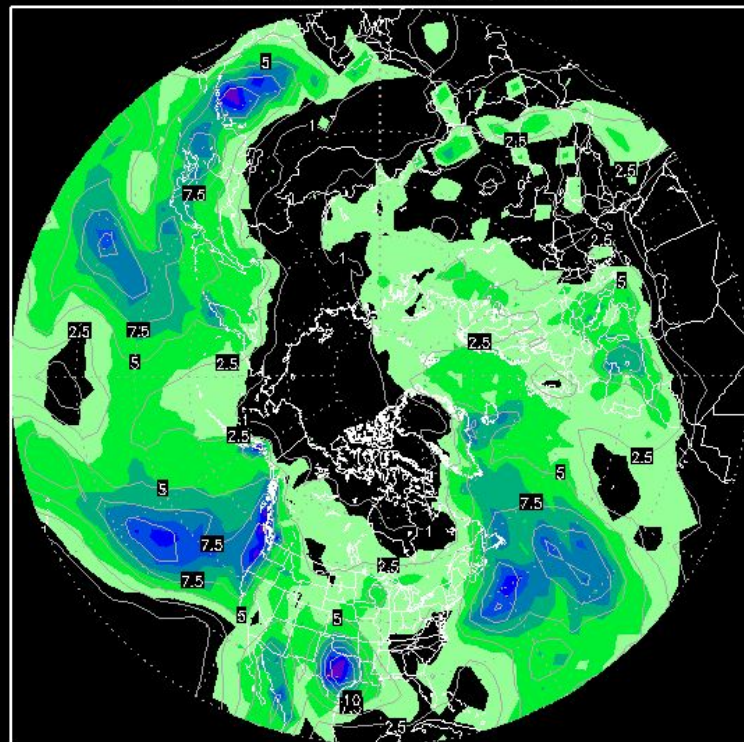
Valid time: 00Z Tue MAR,08 2016



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

240H Forecast from: 00Z Sun FEB,28 2016

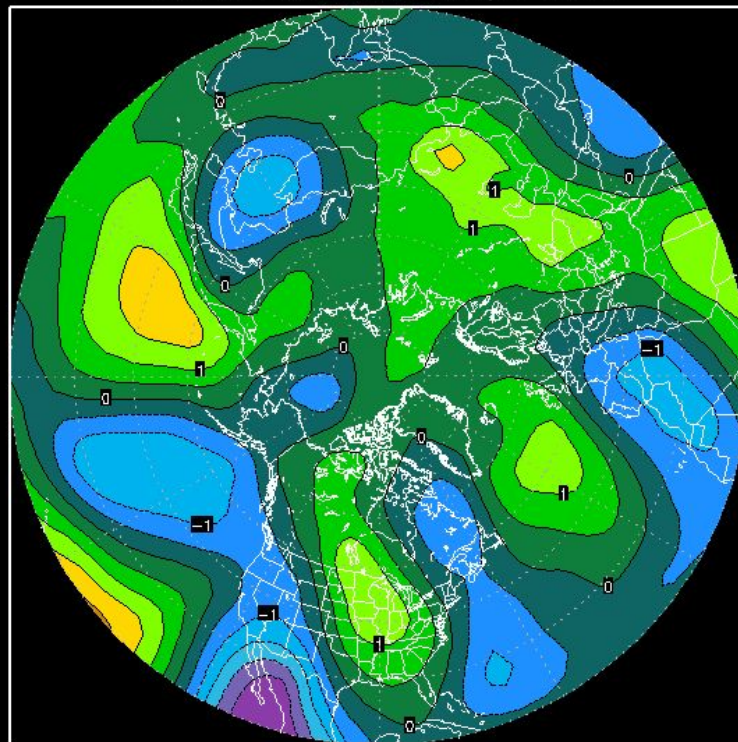
Valid time: 00Z Wed MAR,09 2016



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

240H Forecast from: 00Z Sun FEB,28 2016

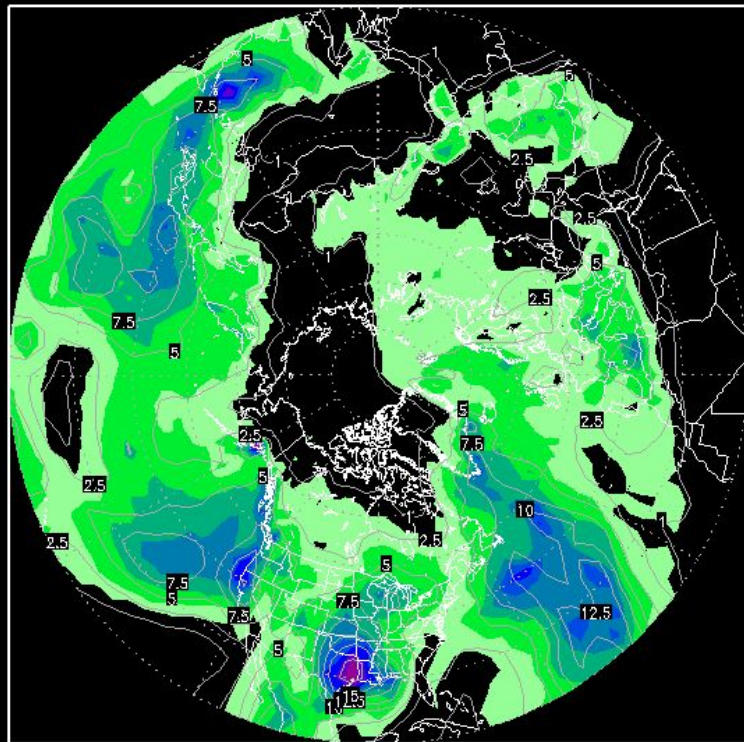
Valid time: 00Z Wed MAR,09 2016



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

264H Forecast from: 00Z Sun FEB,28 2016

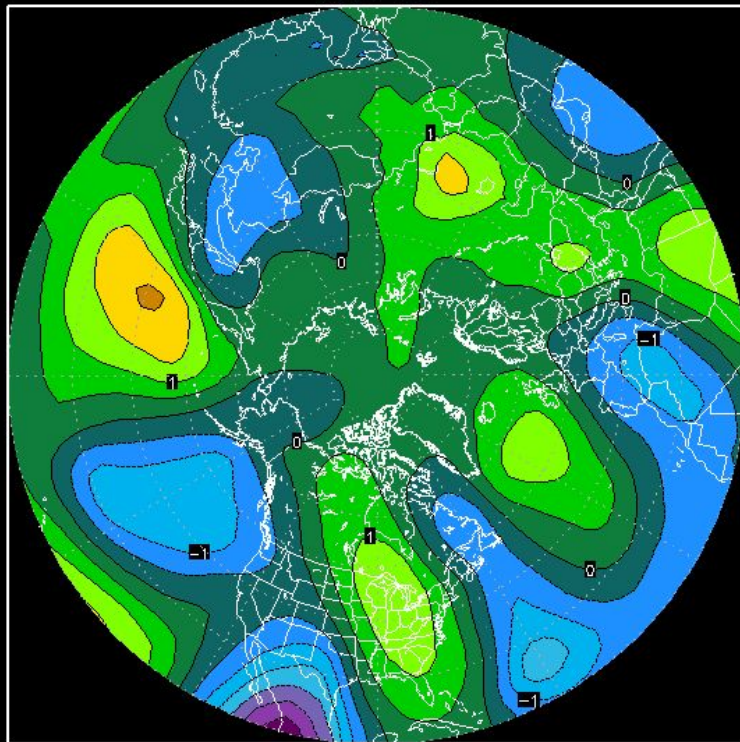
Valid time: 00Z Thu MAR,10 2016



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

264H Forecast from: 00Z Sun FEB,28 2016

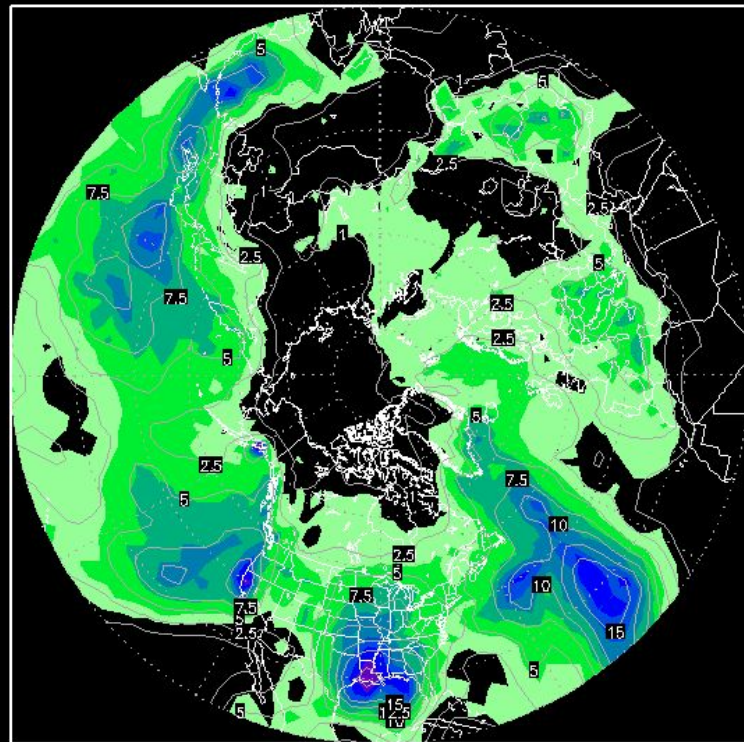
Valid time: 00Z Thu MAR,10 2016



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

288H Forecast from: 00Z Sun FEB,28 2016

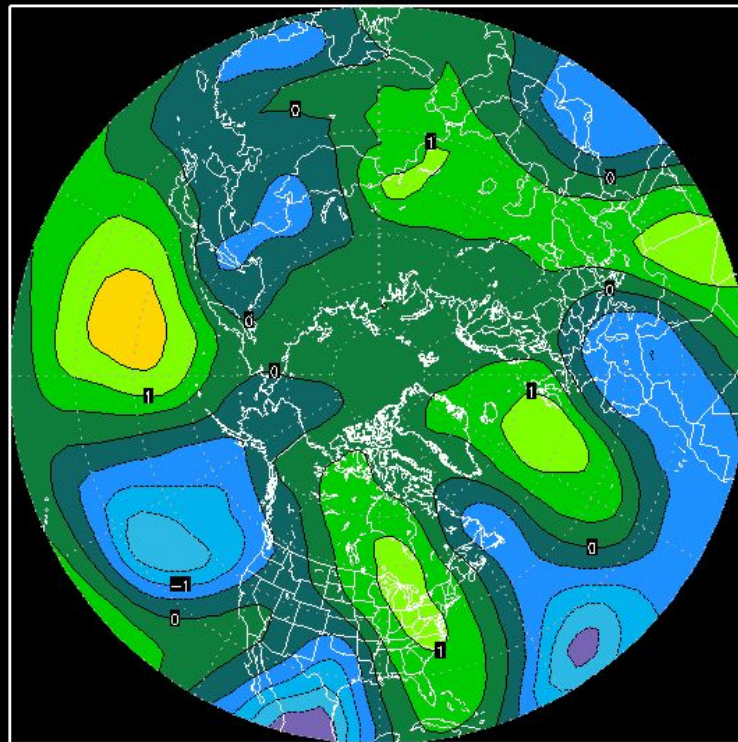
Valid time: 00Z Fri MAR,11 2016



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

288H Forecast from: 00Z Sun FEB,28 2016

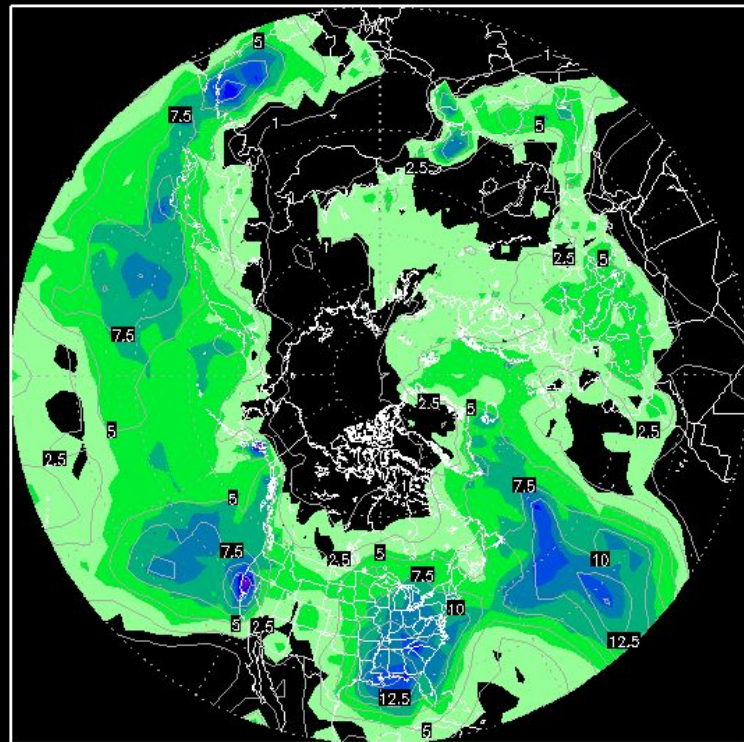
Valid time: 00Z Fri MAR,11 2016



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

312H Forecast from: 00Z Sun FEB,28 2016

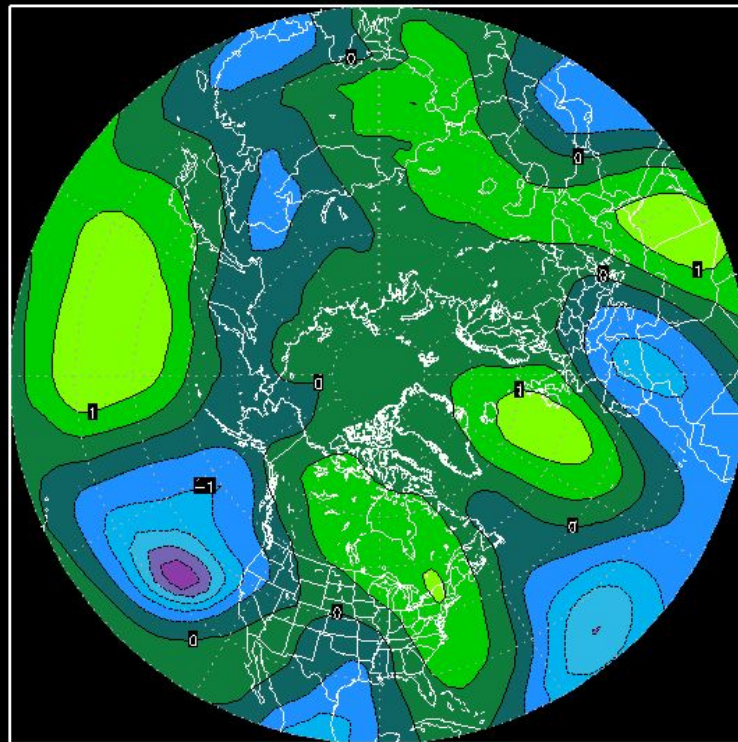
Valid time: 00Z Sat MAR,12 2016



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

312H Forecast from: 00Z Sun FEB,28 2016

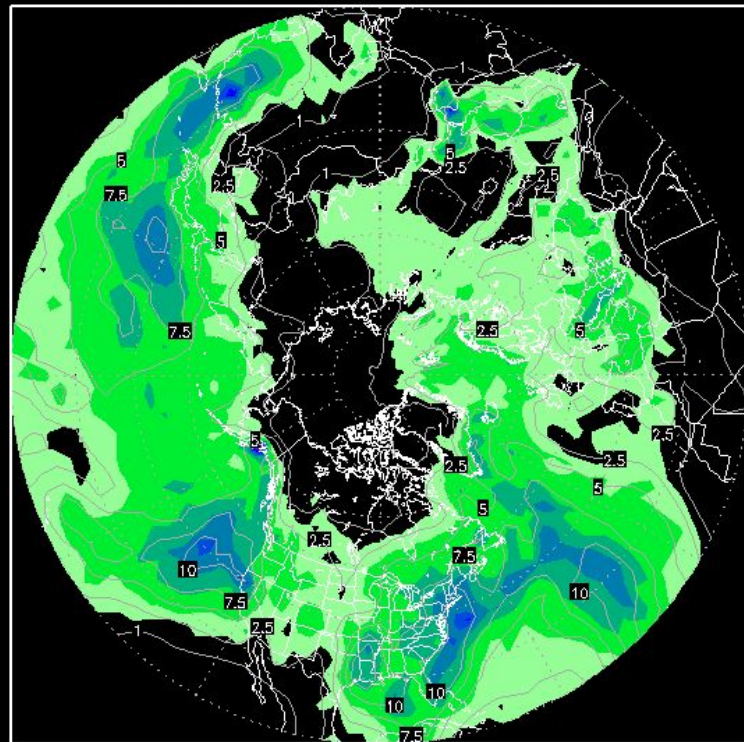
Valid time: 00Z Sat MAR,12 2016



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

336H Forecast from: 00Z Sun FEB,28 2016

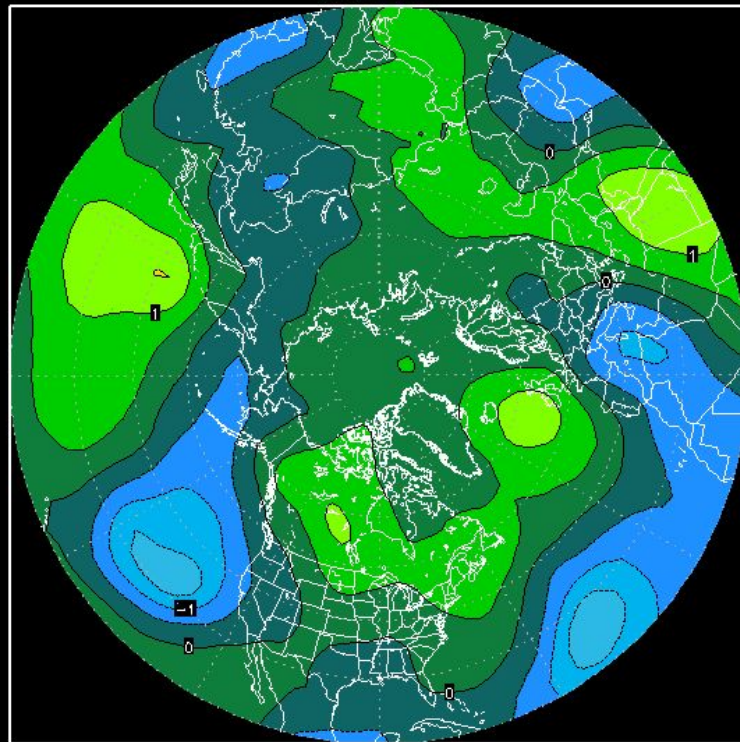
Valid time: 00Z Sun MAR,13 2016



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

336H Forecast from: 00Z Sun FEB,28 2016

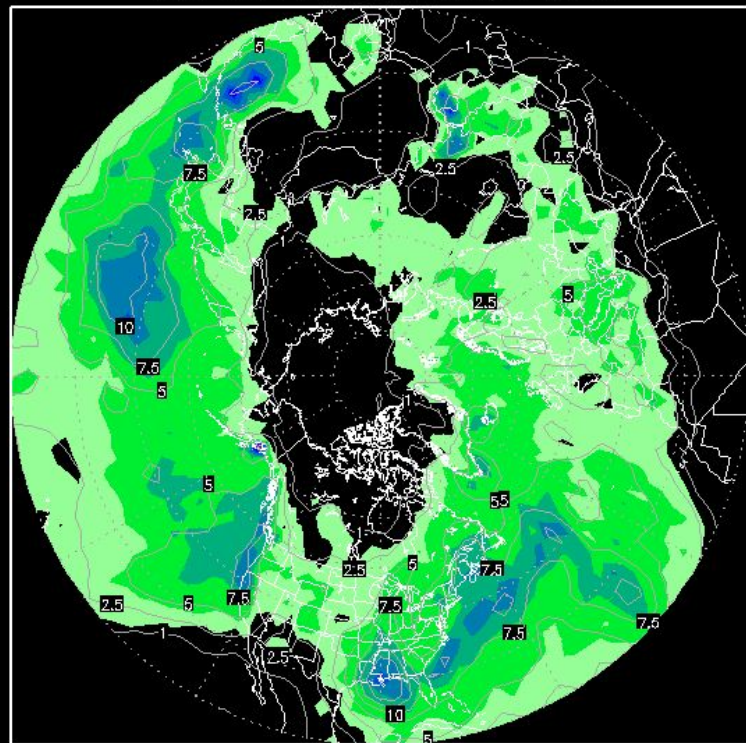
Valid time: 00Z Sun MAR,13 2016



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

360H Forecast from: 00Z Sun FEB,28 2016

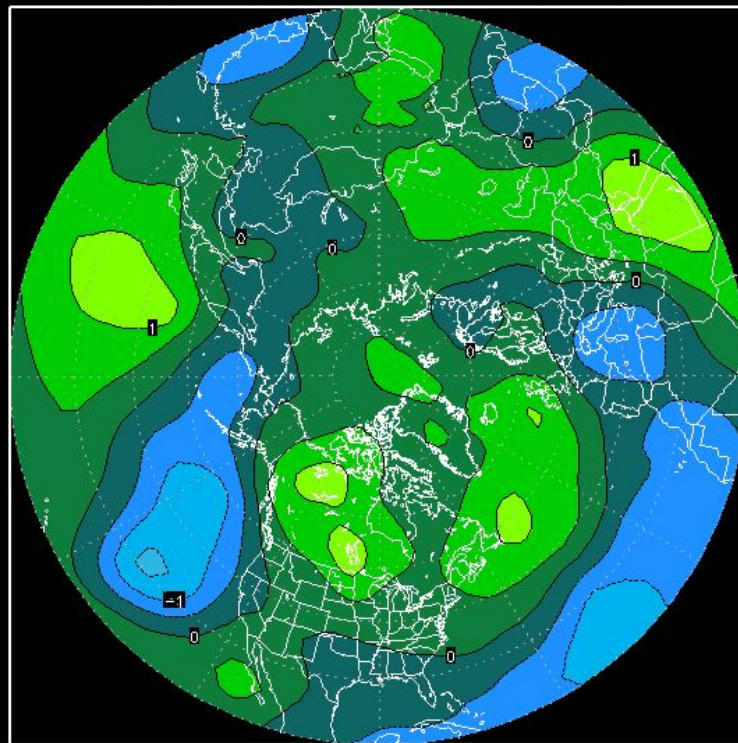
Valid time: 00Z Mon MAR,14 2016



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

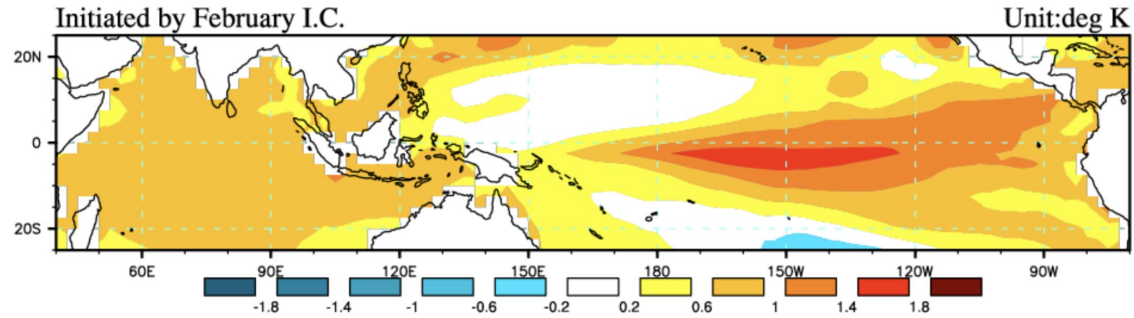
360H Forecast from: 00Z Sun FEB,28 2016

Valid time: 00Z Mon MAR,14 2016



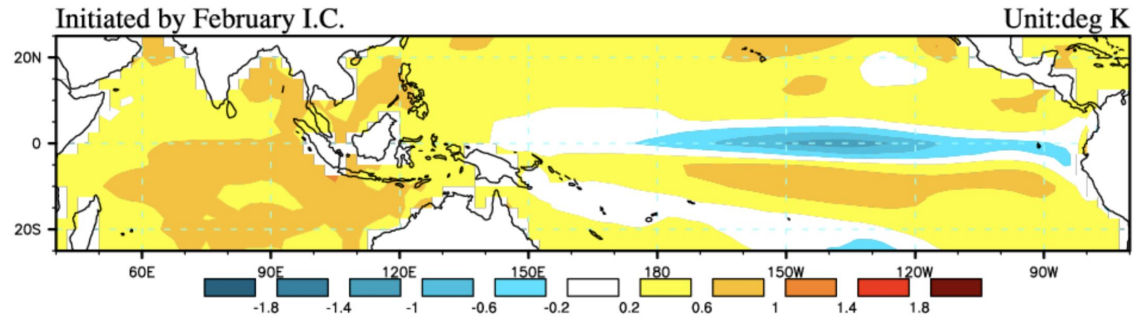
Spring 2016 Outlook: APEC NMME

SST Anomaly for MAM 2016



© APEC Climate Center

SST Anomaly for JJA 2016



© APEC Climate Center

Precipitation for March-May 2016

