

Summary of Key Briefing Points
11:00-12:00 MST Mon, Mar 7, 2016

Current Conditions as of Thu 12Z-15Z Mar 4

Tropics and Mid-latitudes

Over the Tropical Pacific:

- Active in west part of FD today
- PW maximum moving NWard out of domain

Tropical Outlook

- Main convection south and west of FD

Midlatitude Conditions/Outlook

Short Term:

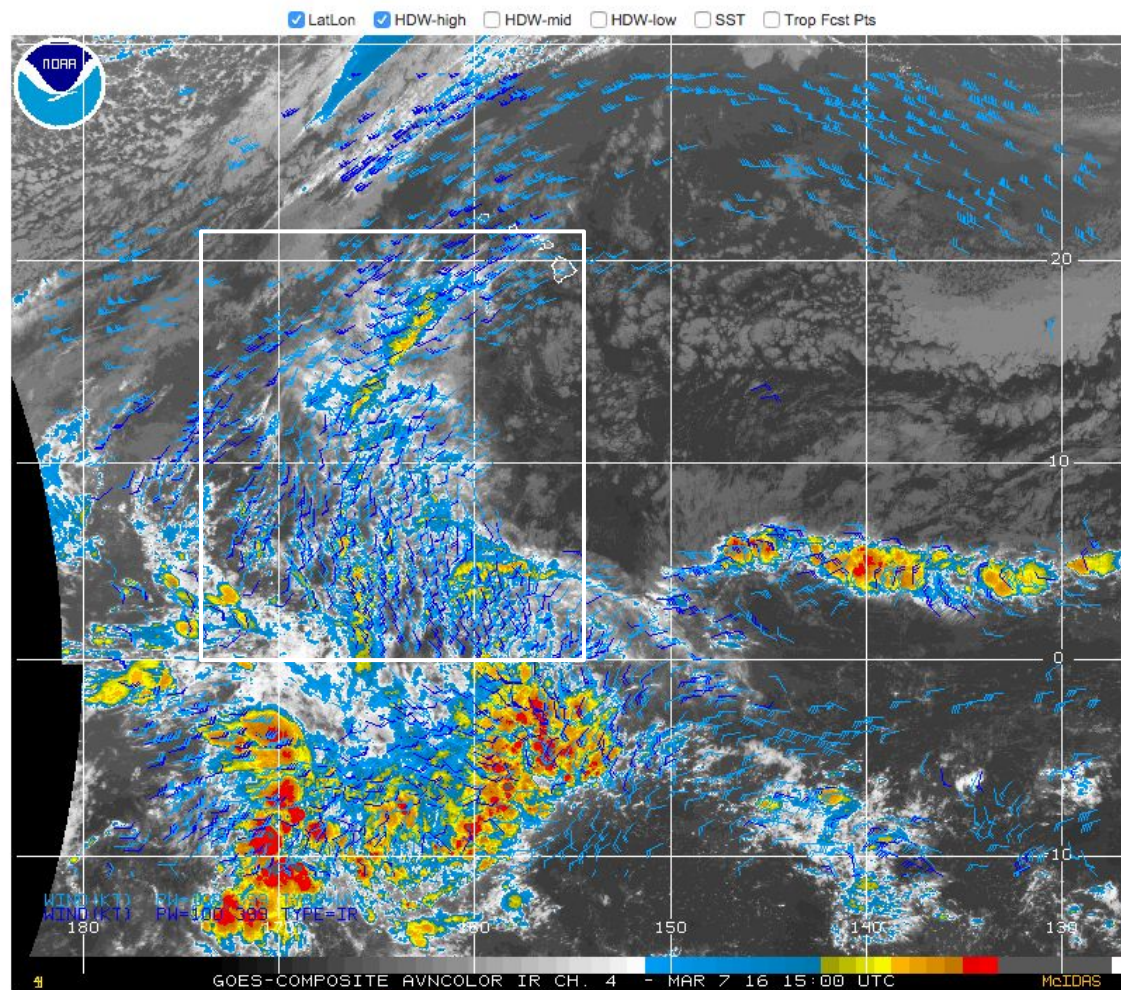
- Significant rain below about 8000' (Santa Cruz mts, Santa Barbara, Central Sierra)
- Rain/snow overnight into Monday - lower snow levels

Medium - Long Term:

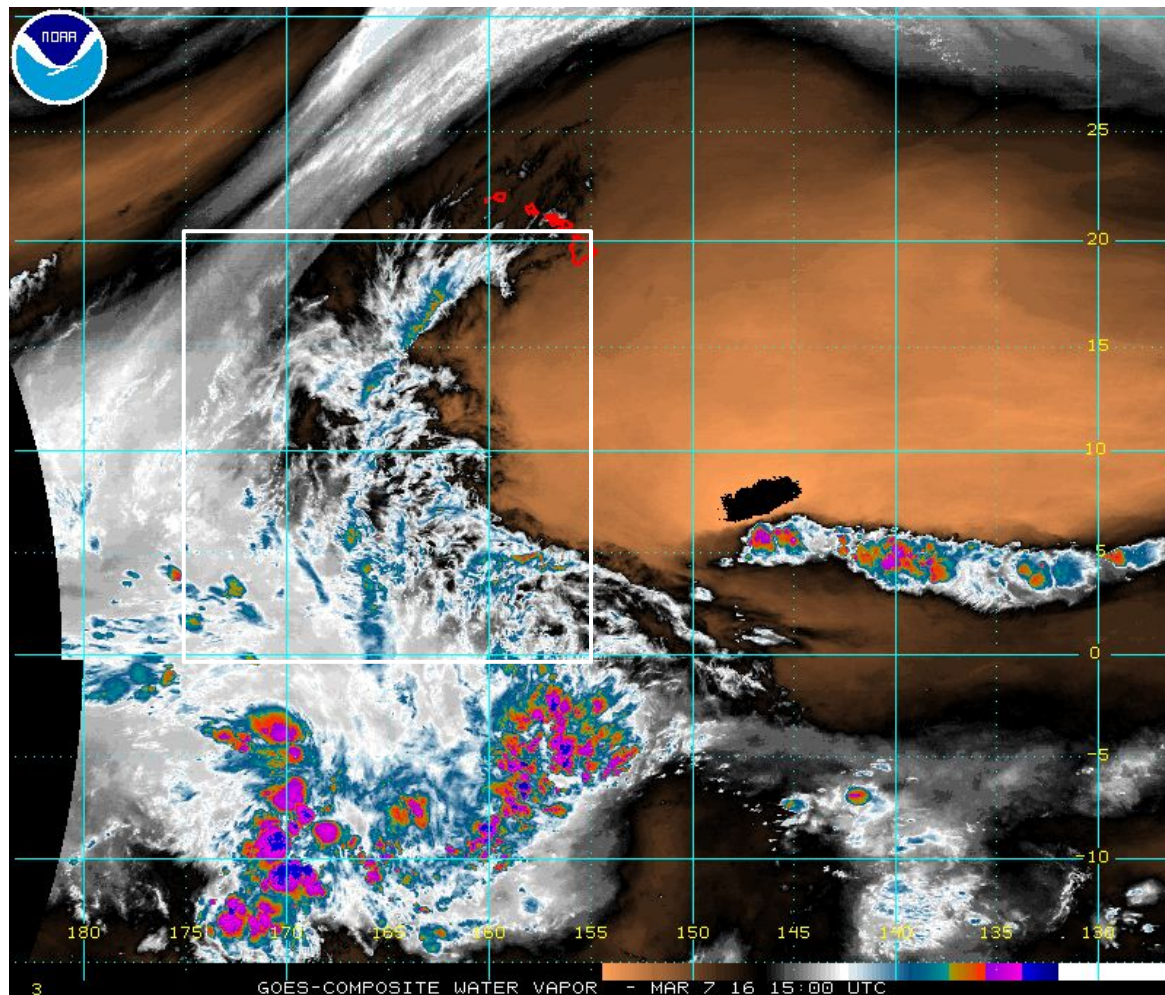
- Large uncertainty as to timing and magnitude for storm impacting Th-Friday
- Major rain event for lower MS Valley Tu-Th, >10" rains anticipated

GOES Composite - El Niño Support – AVN Color Infrared Loop

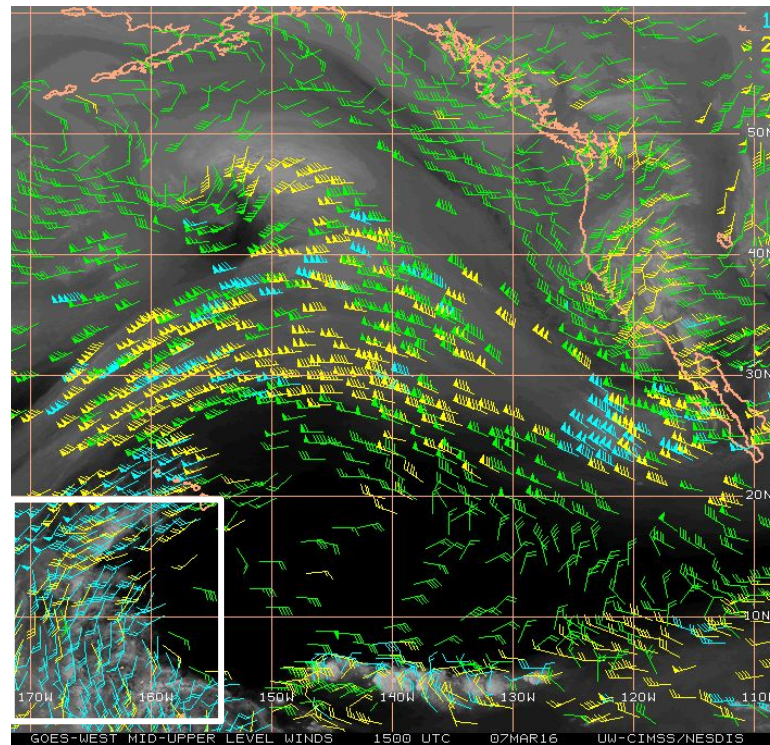
Mon 15Z



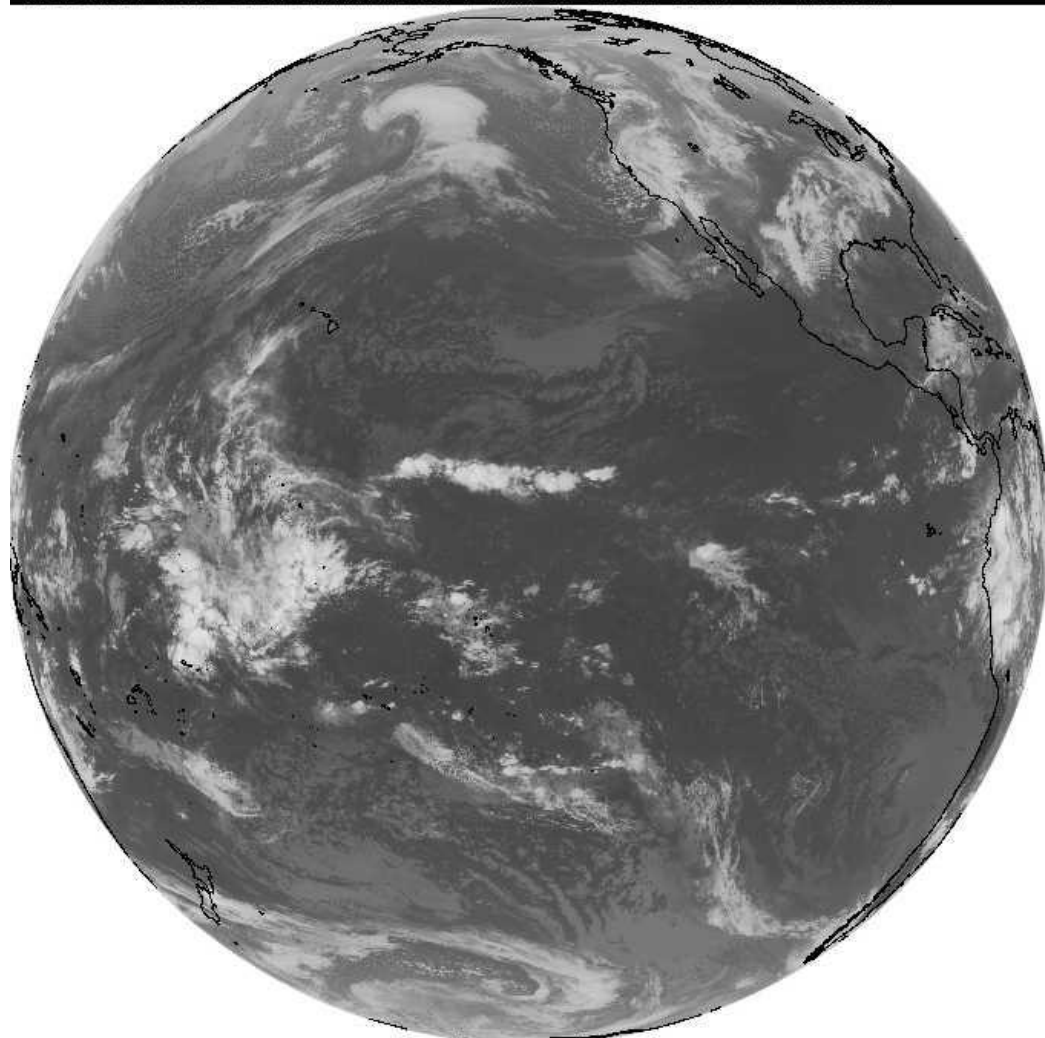
Mon 15Z



7 Mar 15Z Satellite Winds

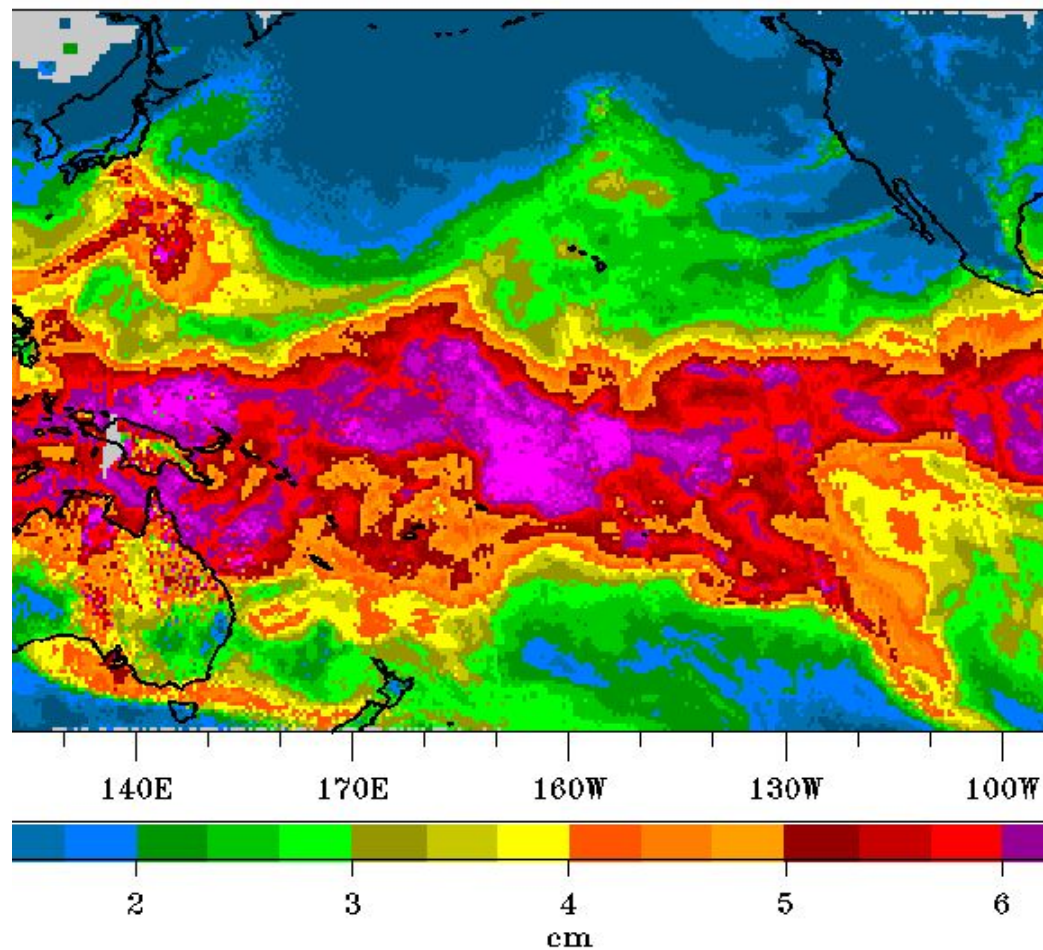


Mon 15Z



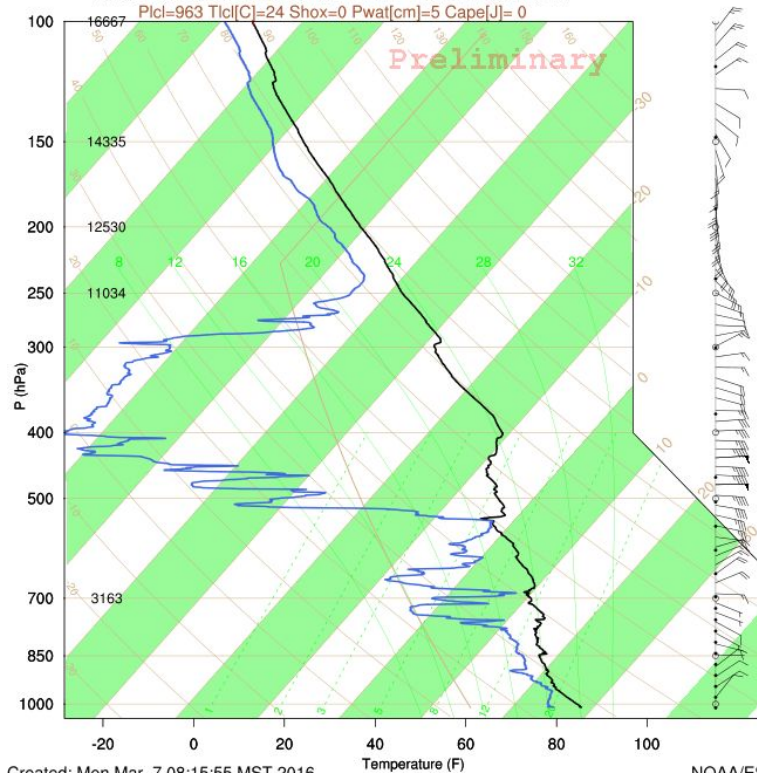
March 07, 2016 1200 UTC Preceding 12 hr
MIRS IWV ALL Satellites

7 March IWV
Composite



Kiritimati Is: 03/07/2016 1147Z 2.01N 157.40W

Ptcl=963 Tlcl[C]=24 Shox=0 Pwat[cm]=5 Cape[J]= 0

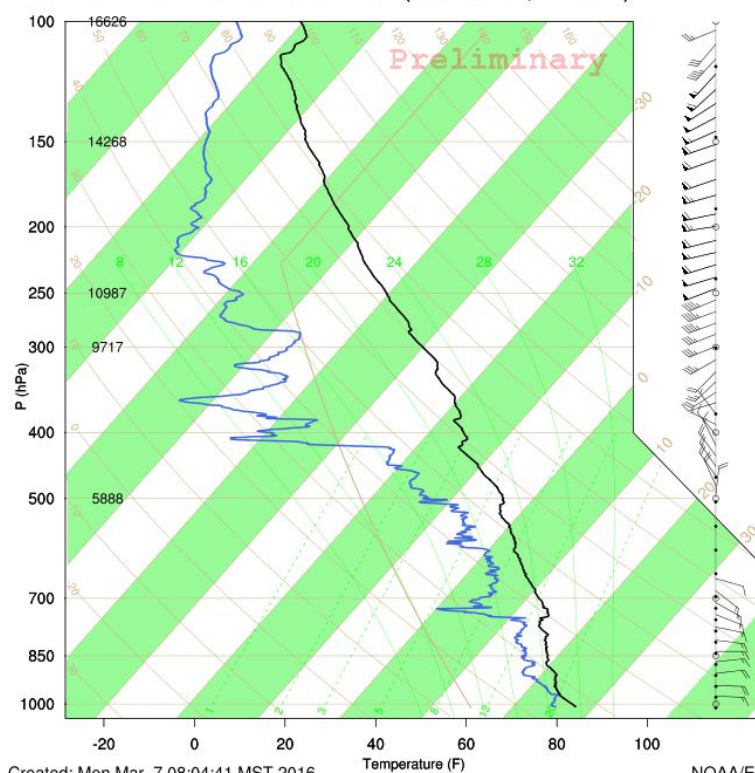


Created: Mon Mar 7 08:15:55 MST 2016

Temperature (F)

NOAA/ESRL PSD

Ronald H. Brown: 03/07/2016 1110Z (-0.839925S,124.59W)



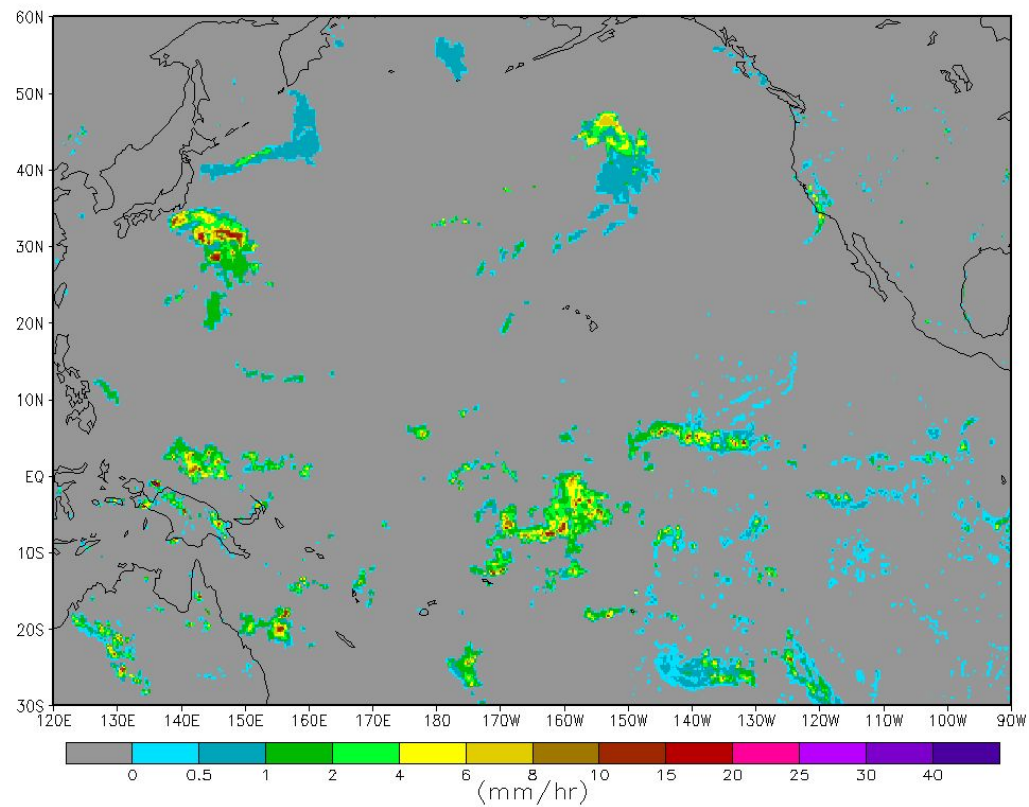
Created: Mon Mar 7 08:04:41 MST 2016

Temperature (F)

NOAA/ESRL PSD

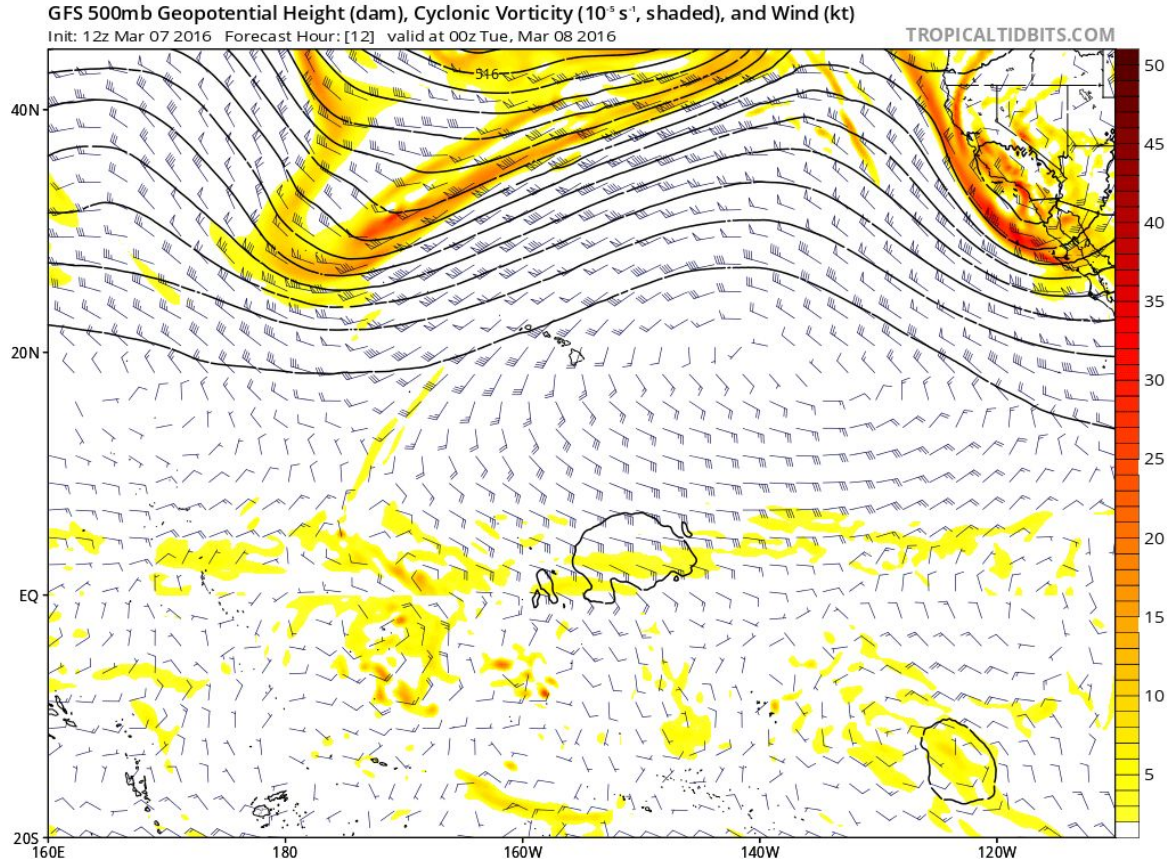
Mon 13Z CMORPH Rainfall

CMORPH_RAW_RT @ 2016-Mar-07 13:00Z

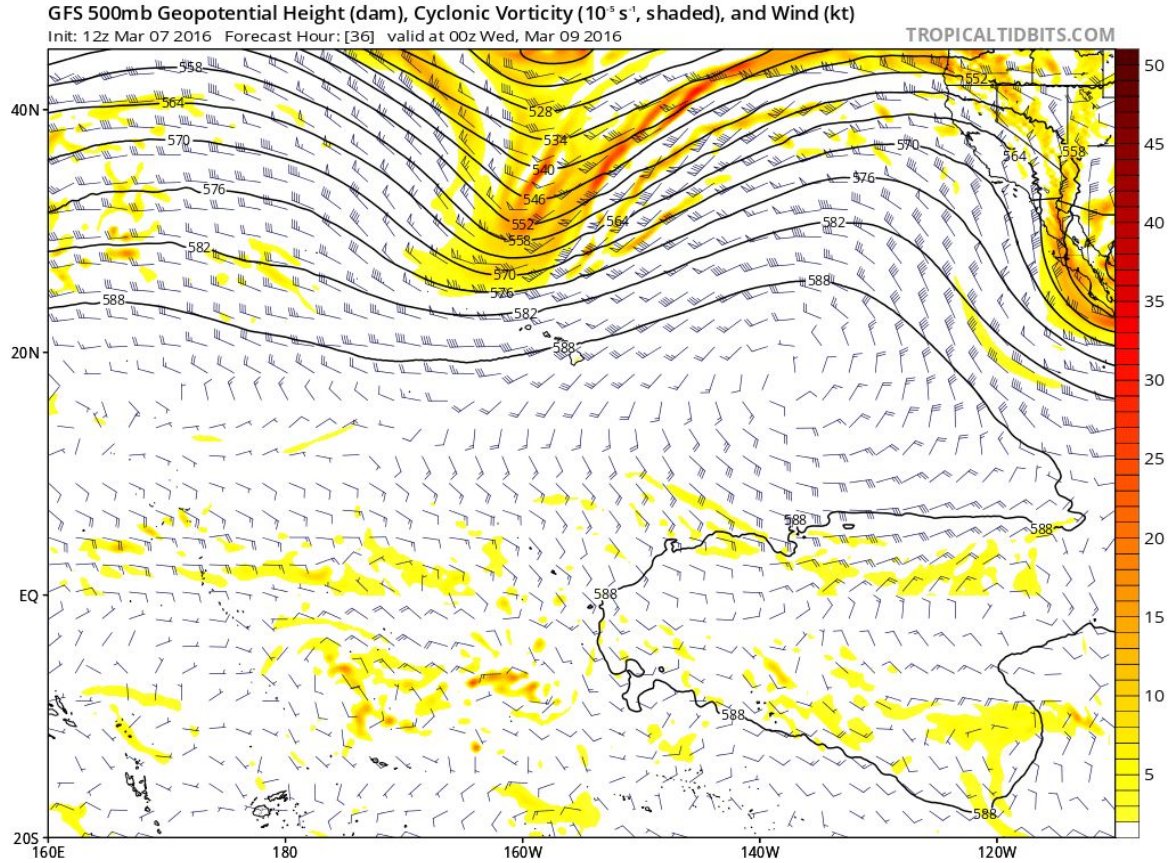


GFS 12Z Forecasts: Mar 9
00z - Mar 11 00z

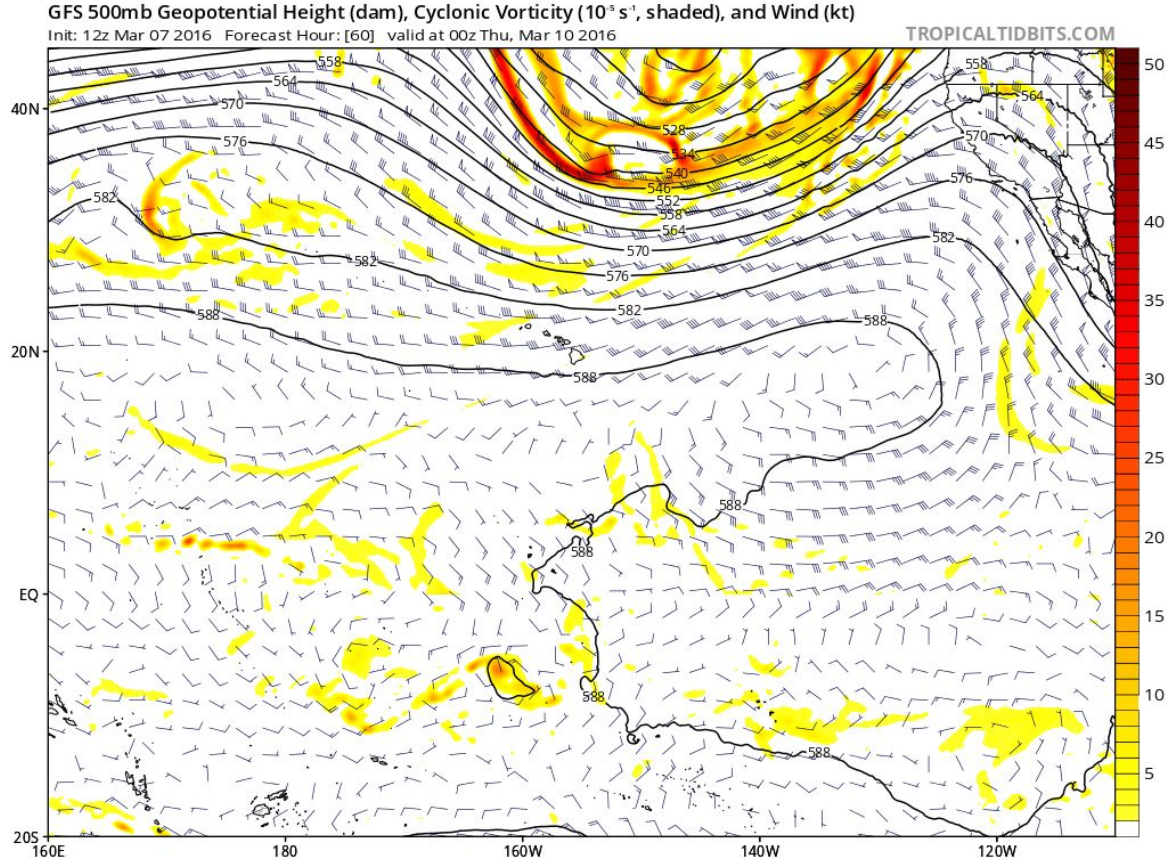
GFS 12Z Forecast
Valid 00Z TUE: 500
mb Winds and
Vorticity



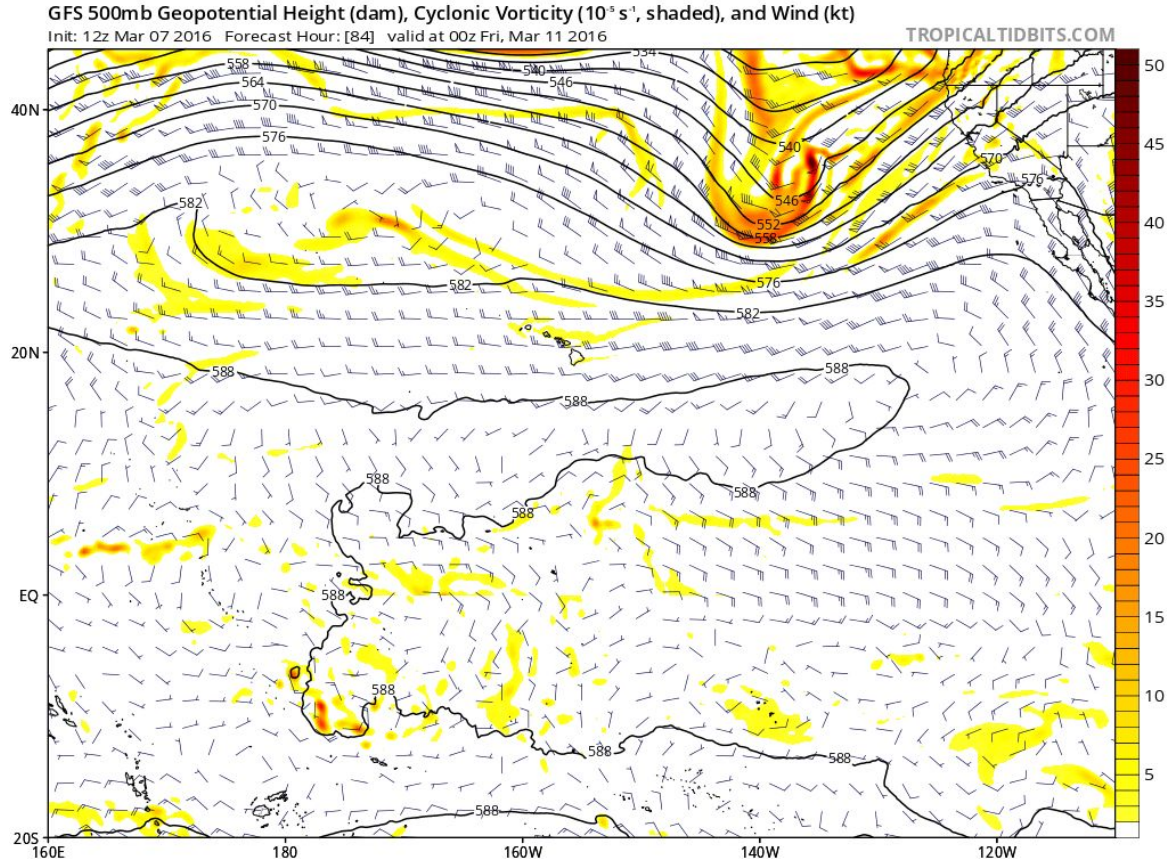
GFS 12Z Forecast
Valid 00Z WED: 500
mb Winds and
Vorticity



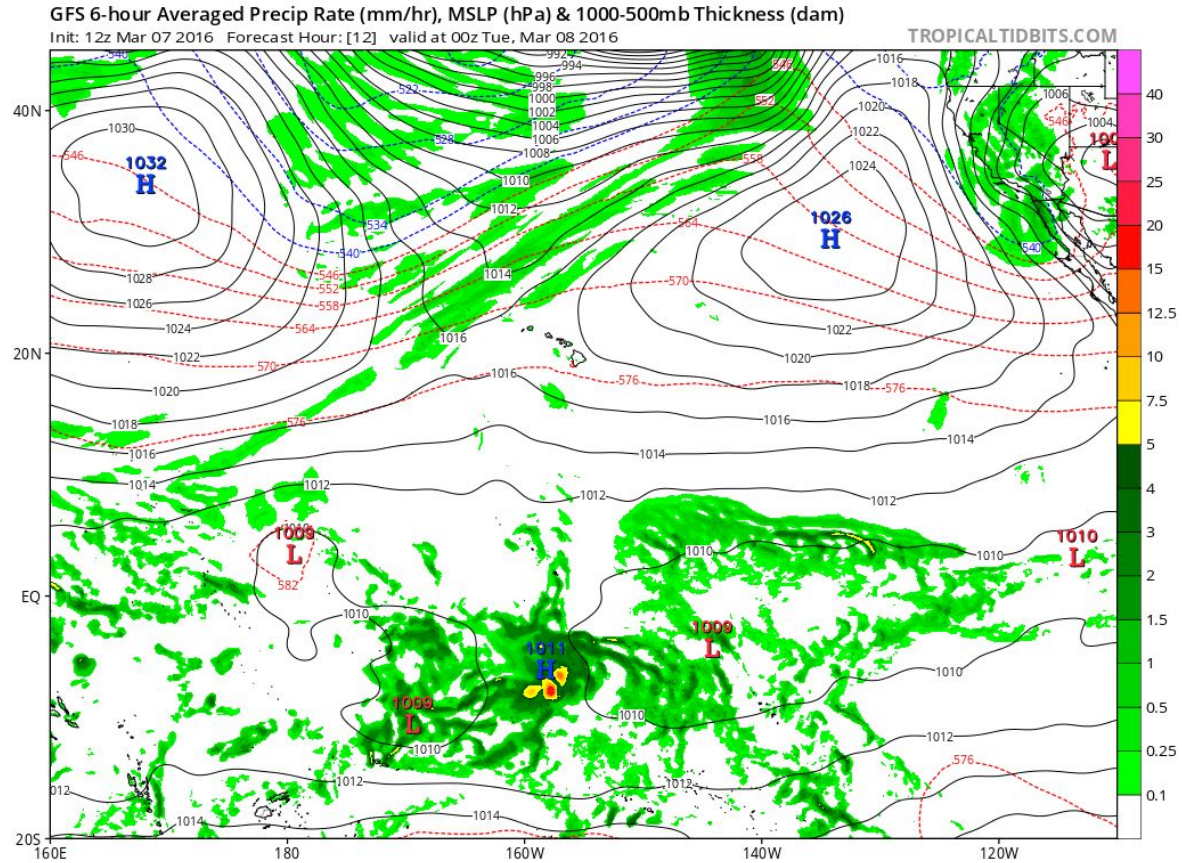
GFS 12Z Forecast
Valid 00Z THU: 500
mb Winds and
Vorticity



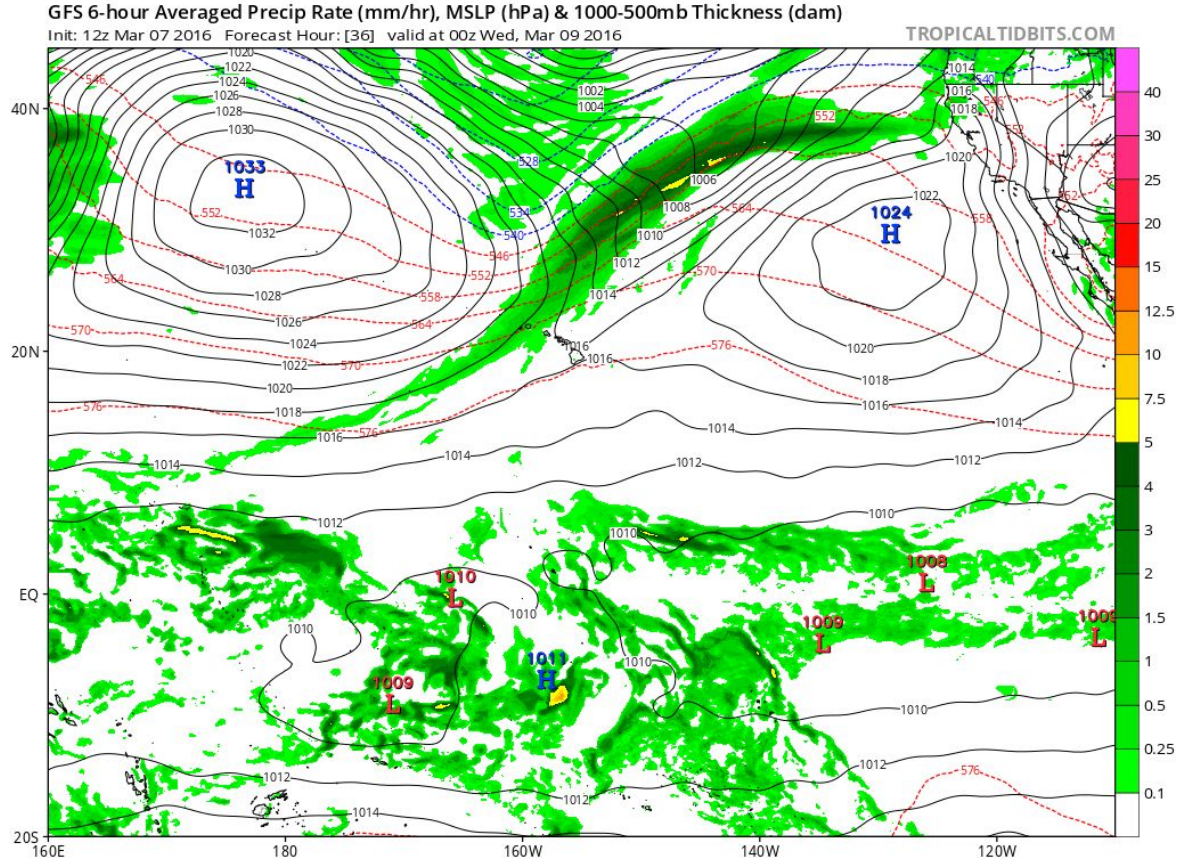
GFS 12Z Forecast
Valid 00Z FRI: 500
mb Winds and
Vorticity



GFS 12Z Analysis:
MSLP and 6-Hr
Precip



GFS 12Z Forecast
Valid 00Z WED:
MSLP and 6-Hr
Precip

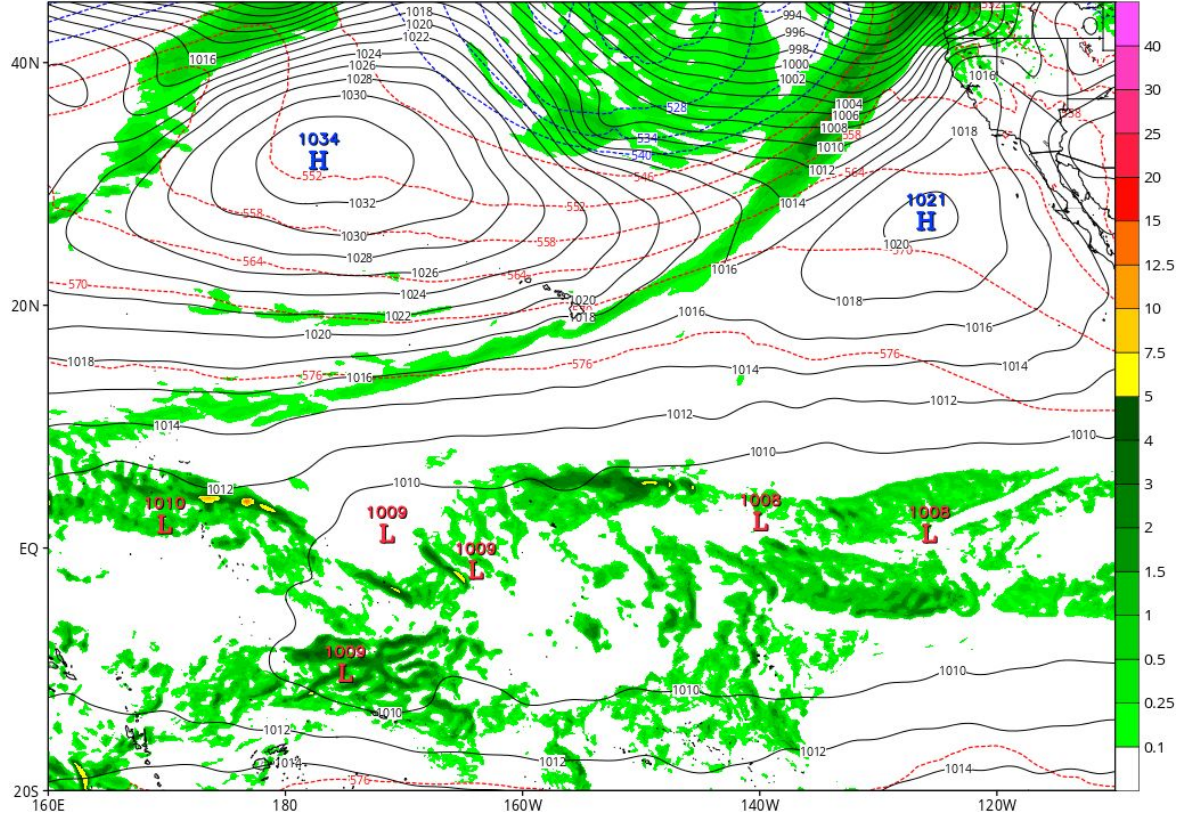


GFS 12Z Forecast
Valid 00Z THU:
MSLP and 6-Hr
Precip

GFS 6-hour Averaged Precip Rate (mm/hr), MSLP (hPa) & 1000-500mb Thickness (dam)

Init: 12z Mar 07 2016 Forecast Hour: [60] valid at 00z Thu, Mar 10 2016

TROPICALTIDBITS.COM

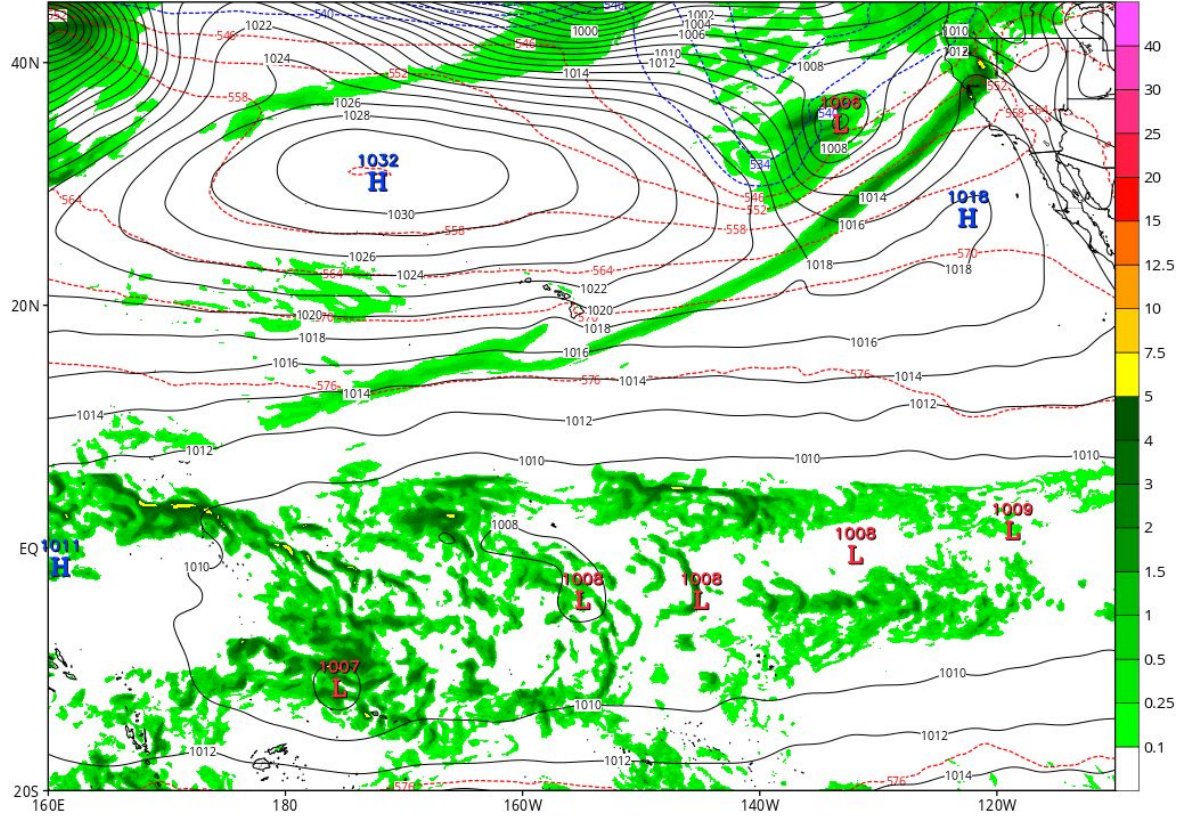


GFS 12Z Forecast
Valid 00Z FRI: MSLP
and 6-Hr Precip

GFS 6-hour Averaged Precip Rate (mm/hr), MSLP (hPa) & 1000-500mb Thickness (dam)

Init: 12z Mar 07 2016 Forecast Hour: [84] valid at 00z Fri, Mar 11 2016

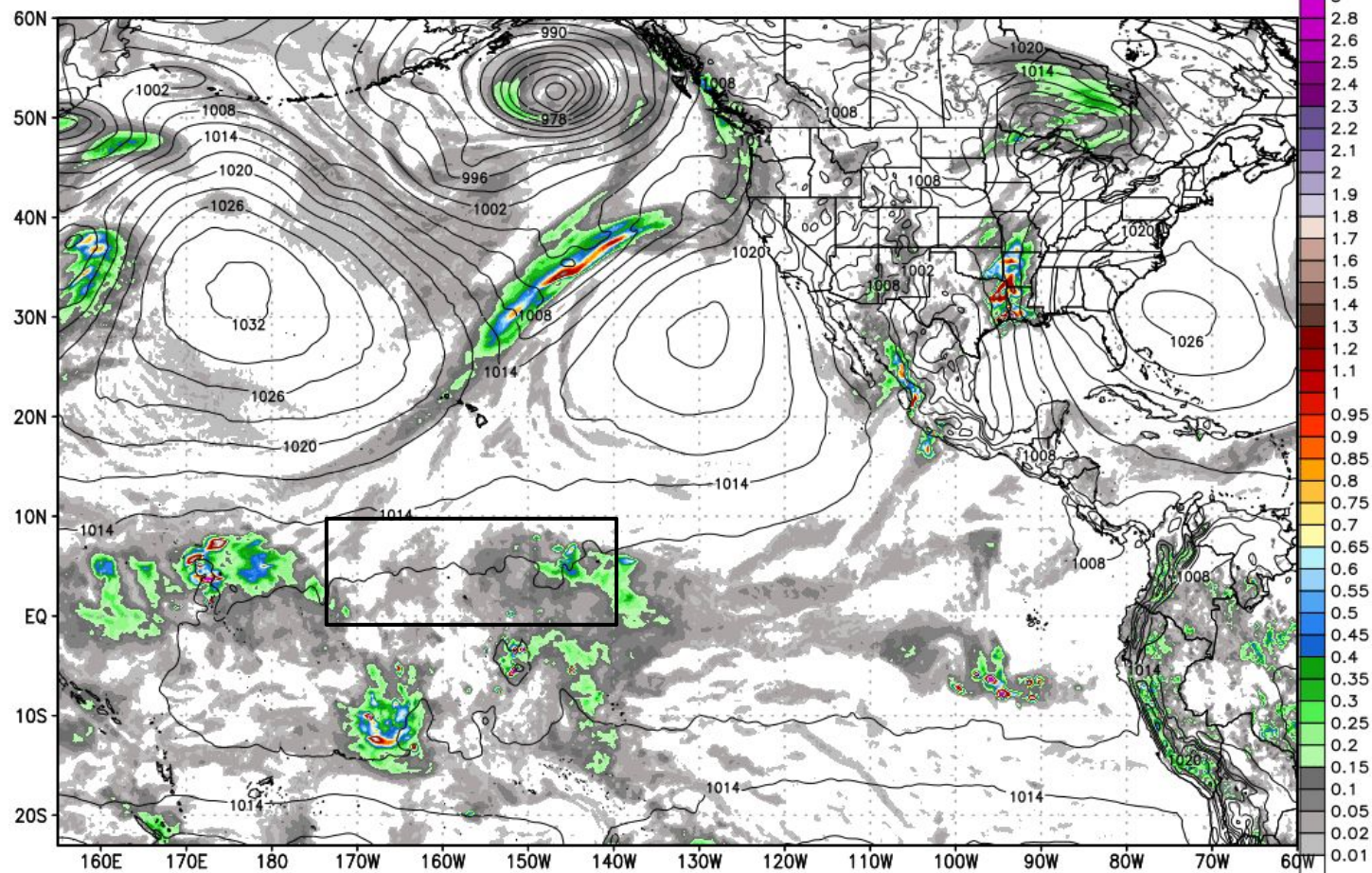
TROPICALTIDBITS.COM



EC vs GFS 12Z Precip
Forecasts: Mar 9 00z - Mar
11 00z

ECMWF 6-hourly Precipitation [inches] between 18Z08MAR2016 -- 00Z09MAR2016 & MSLP [hPa]
INIT: 00Z07MAR2016 fx: [048] hr --> Wed 00Z09MAR2016

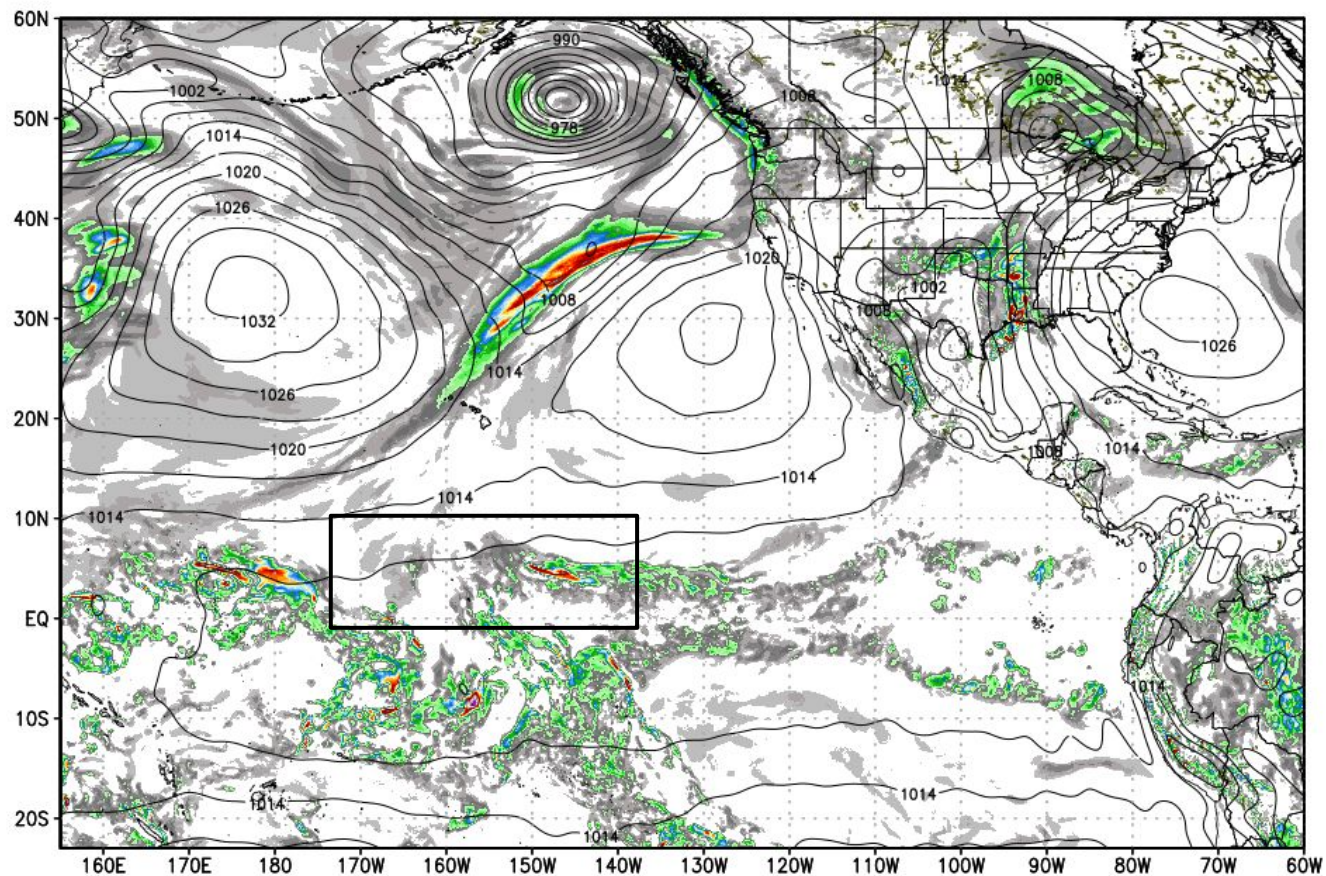
Latest: 48HR Lead EC Valid 00Z WED



NCEP GFS 6-hourly Precipitation [inch] & MSLP [hPa]
INIT: 12Z07MAR2016 fx: [036] hr --> Wed 00Z09MAR2016

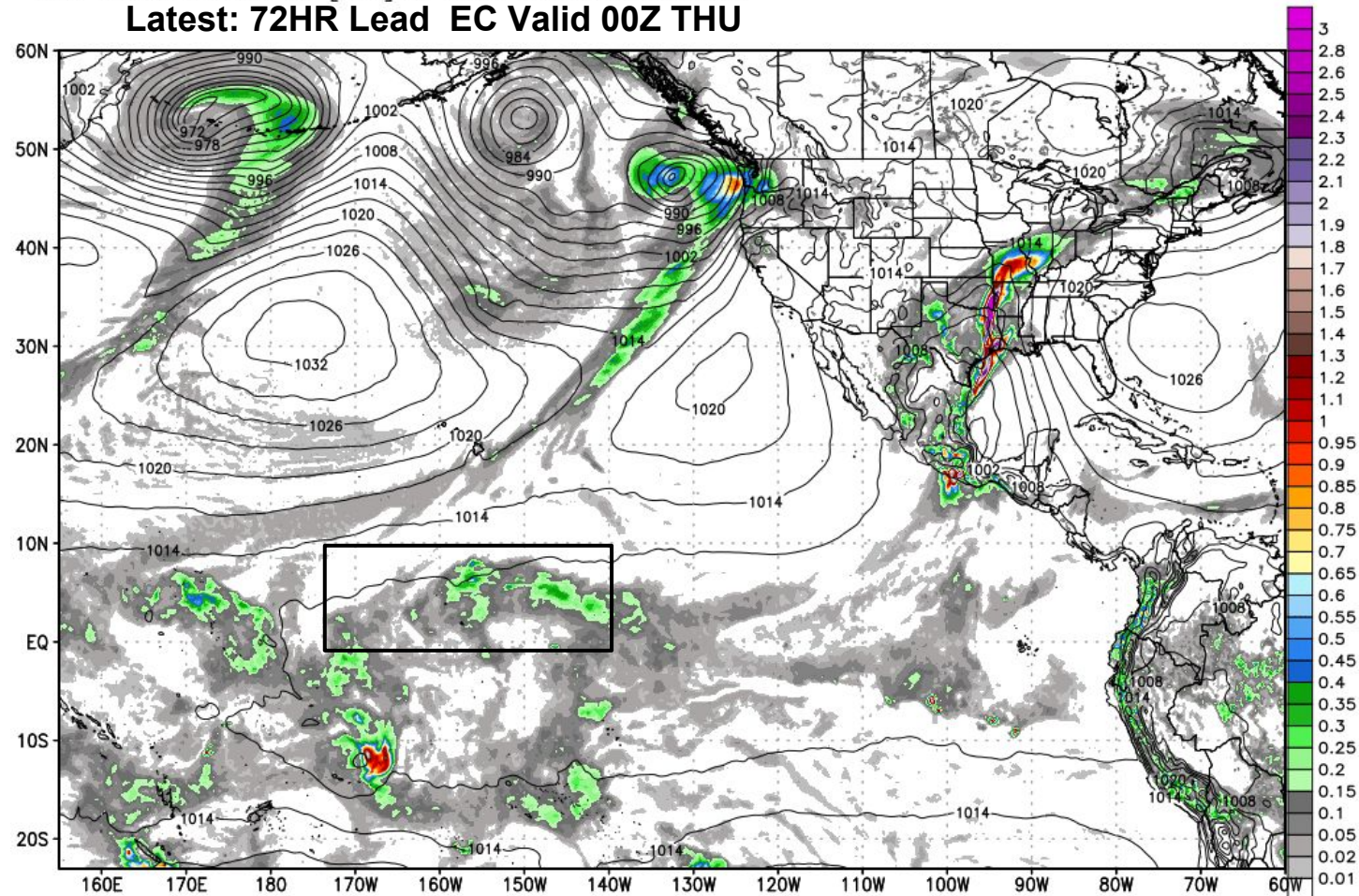
Max: 3.0 in.

Latest: 36HR Lead GFS Valid 00Z WED



ECMWF 6-hourly Precipitation [inches] between 18Z09MAR2016 -- 00Z10MAR2016 & MSLP [hPa]
INIT: 00Z07MAR2016 fx: [072] hr --> Thu 00Z10MAR2016

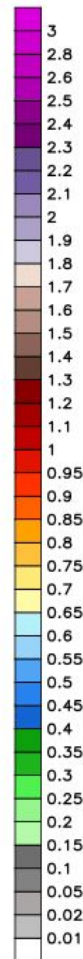
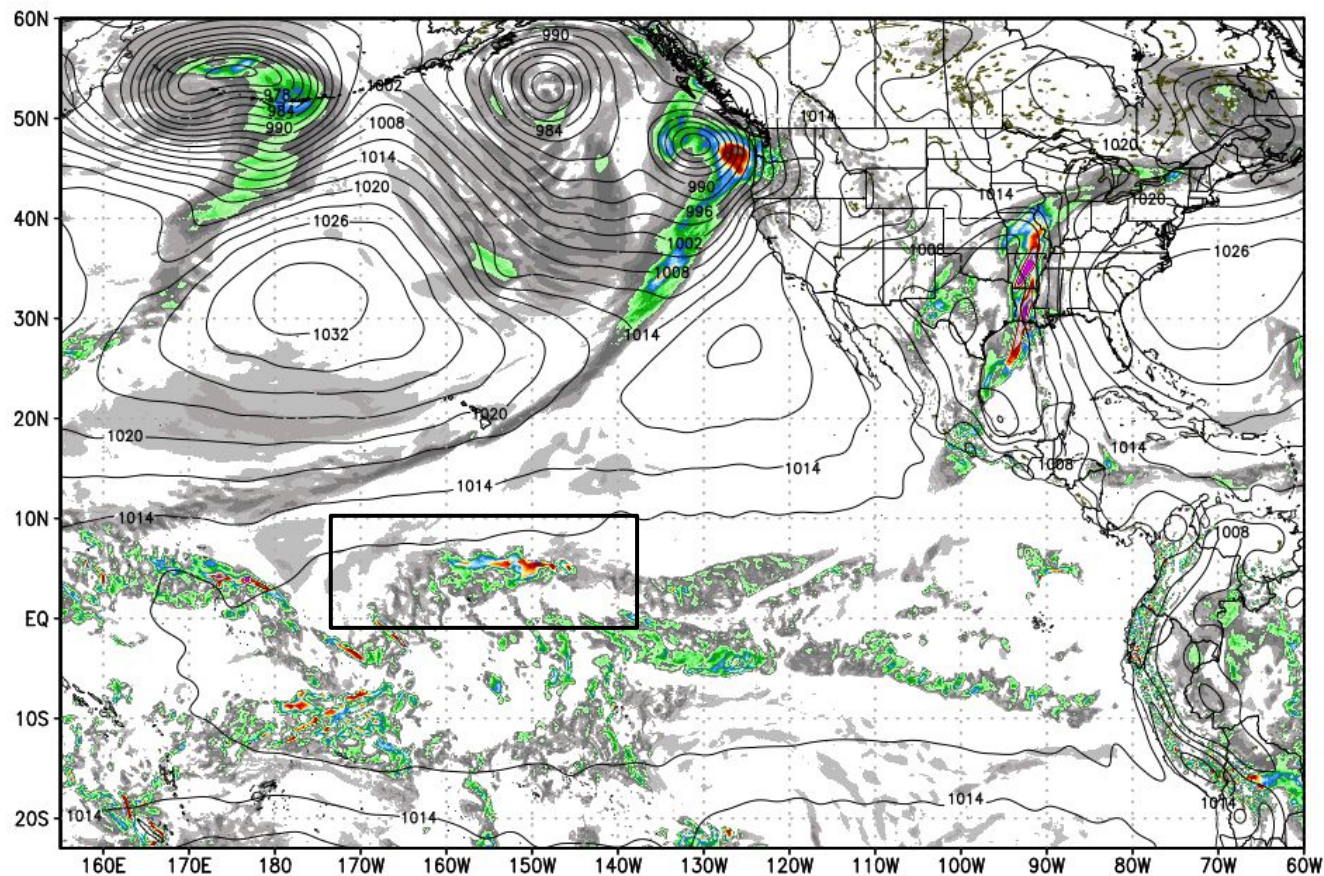
Latest: 72HR Lead EC Valid 00Z THU



NCEP GFS 6-hourly Precipitation [inch] & MSLP [hPa]
INIT: 12Z07MAR2016 fx: [060] hr --> Thu 00Z10MAR2016

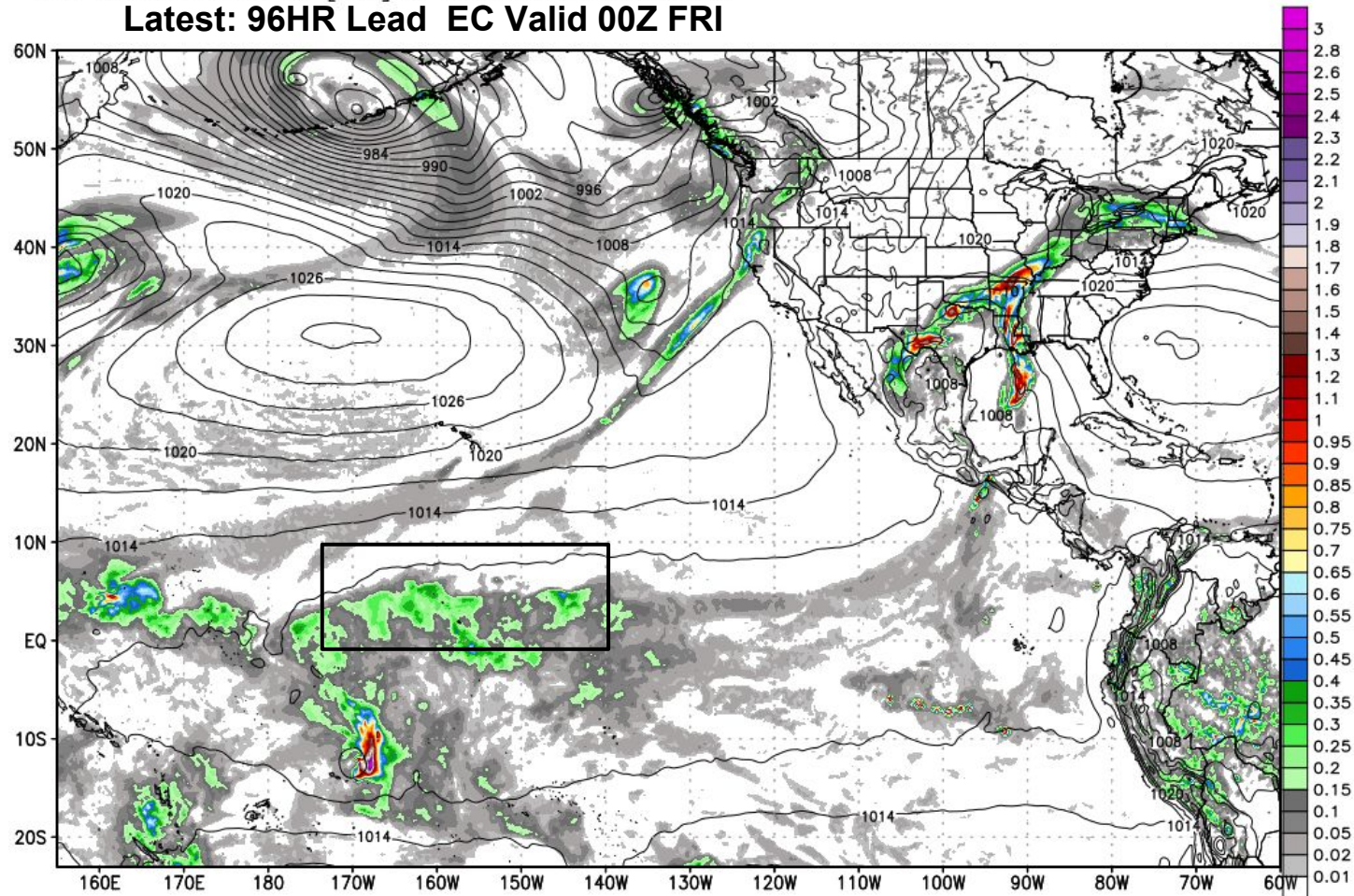
Max: 3.9 in.

Latest: 60HR Lead GFS Valid 00Z THU



ECMWF 6-hourly Precipitation [inches] between 18Z10MAR2016 -- 00Z11MAR2016 & MSLP [hPa]
INIT: 00Z07MAR2016 fx: [096] hr --> Fri 00Z11MAR2016

Latest: 96HR Lead EC Valid 00Z FRI

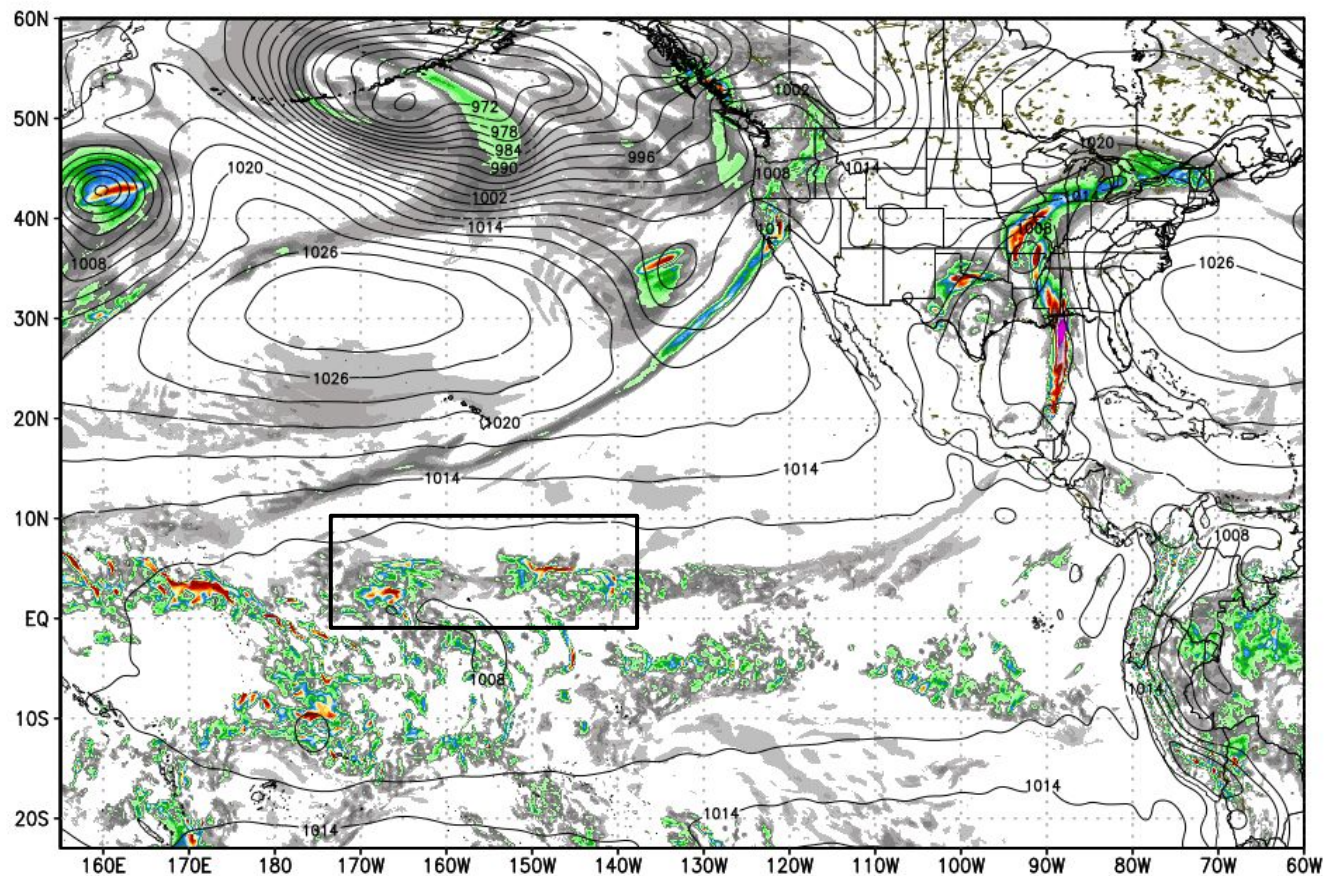


NCEP GFS 6-hourly Precipitation [inch] & MSLP [hPa]

INIT: 12Z07MAR2016 fx: [084] hr --> Fri 00Z11MAR2016

Max: 4.3 in.

Latest: 84HR Lead GFS Valid 00Z FRI

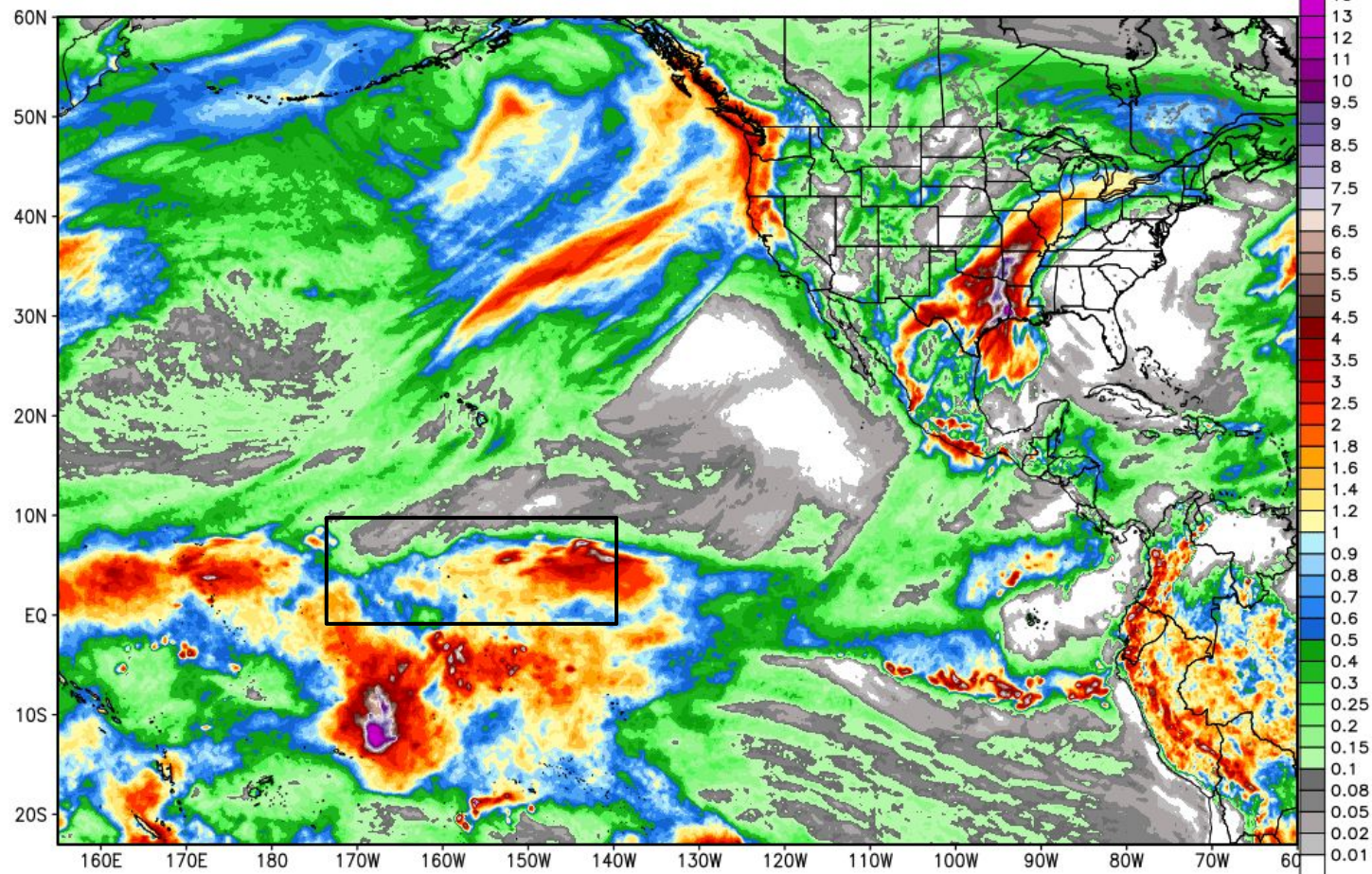


ECMWF Total Precipitation [inches] between 00Z07MAR2016 -- 00Z11MAR2016

INIT: 00Z07MAR2016 fx: [096] hr --> Fri 00Z11MAR2016

Max 16.7 in

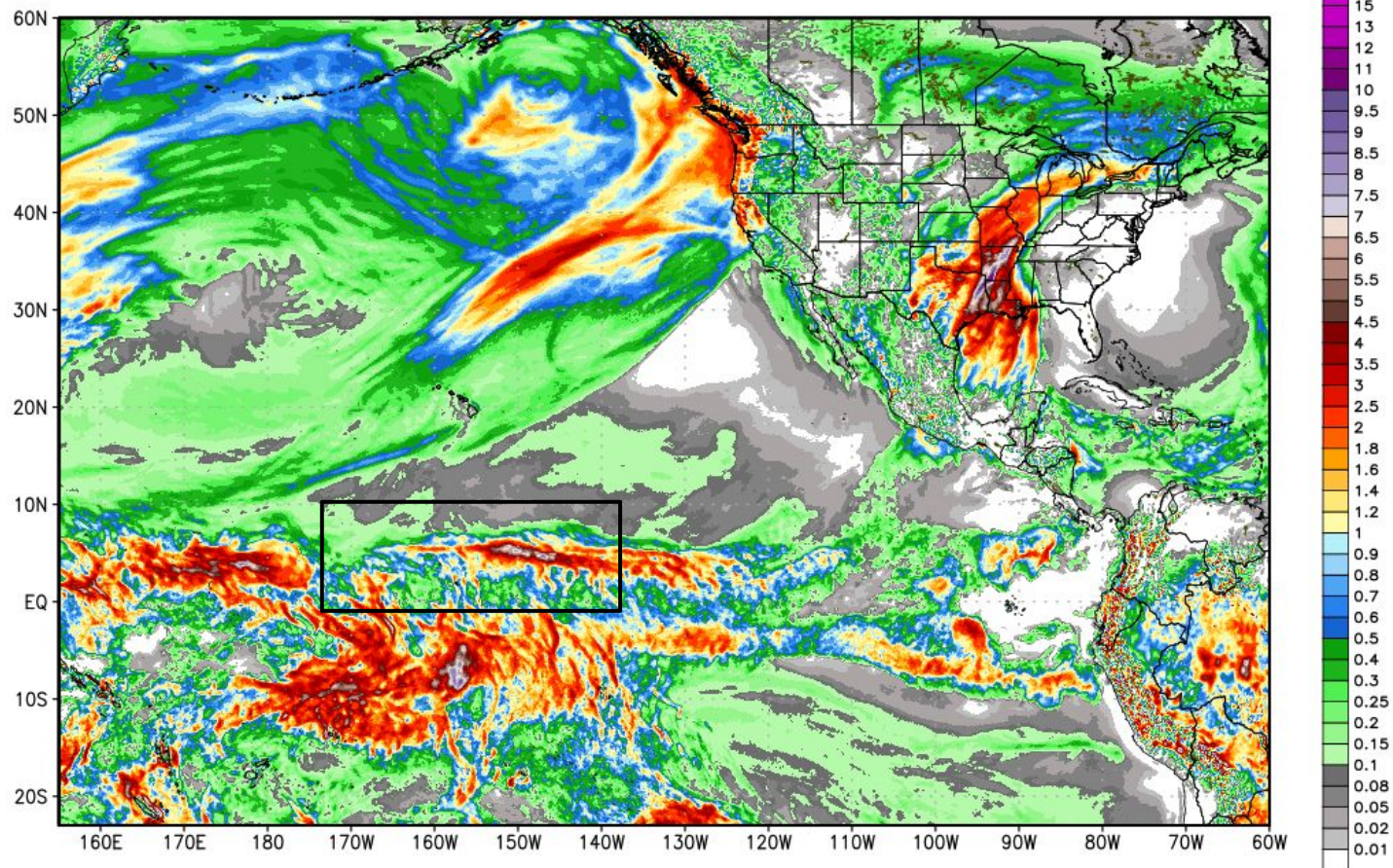
Latest: 96HR Lead EC Valid 00Z FRI



NCEP GFS Accum Precip [inch]
INIT: 12Z07MAR2016 fx: [084] hr --> Fri 00Z11MAR2016

Max: 25.6 in.

Latest: 84HR Lead GFS Valid 00Z FRI



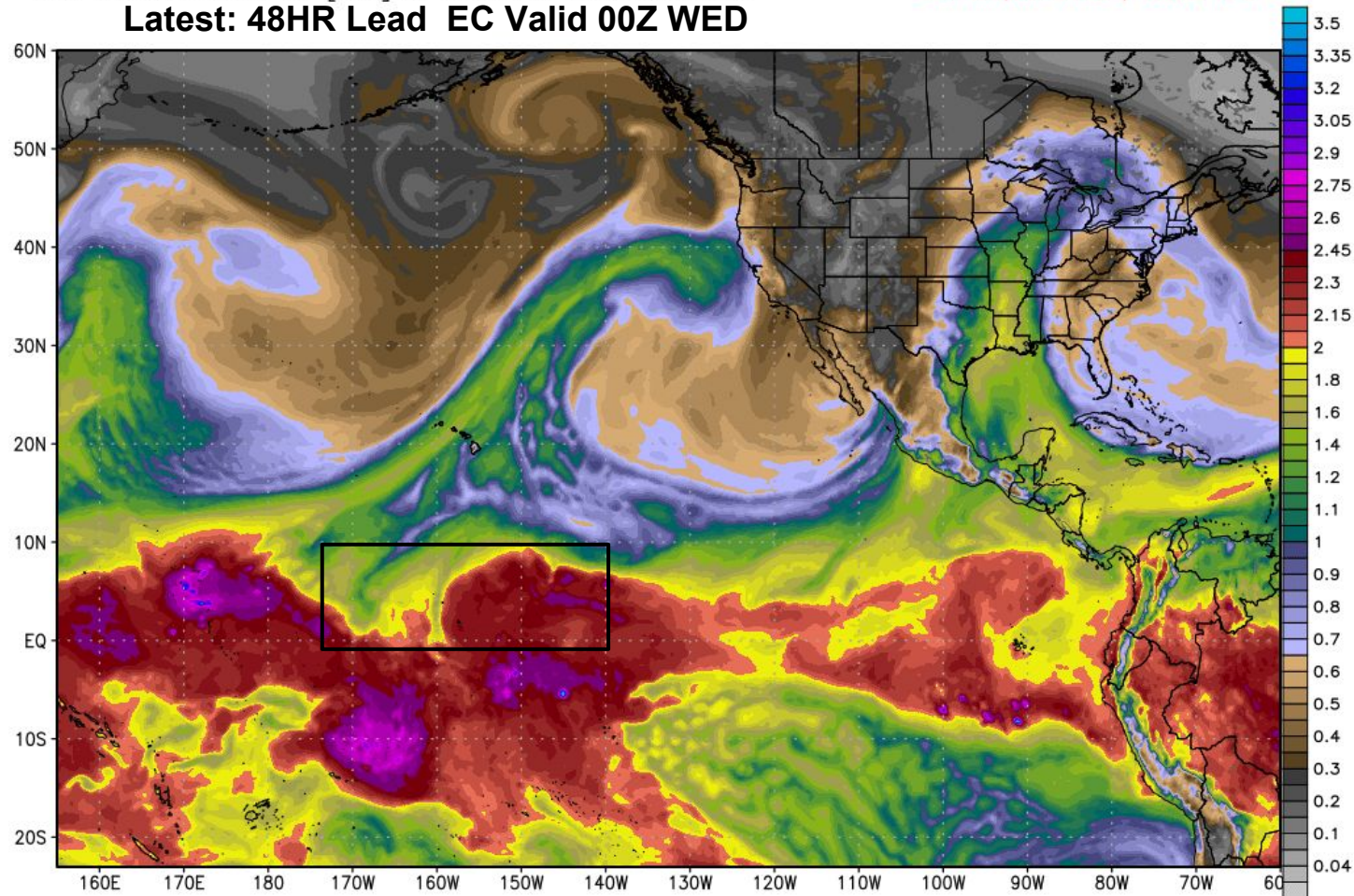
EC vs GFS 12Z PWAT

Forecasts: Mar 9 00z - Mar
11 00z

ECMWF Column Water [inch]
INIT: 00Z07MAR2016 fx: [048] hr --> Wed 00Z09MAR2016

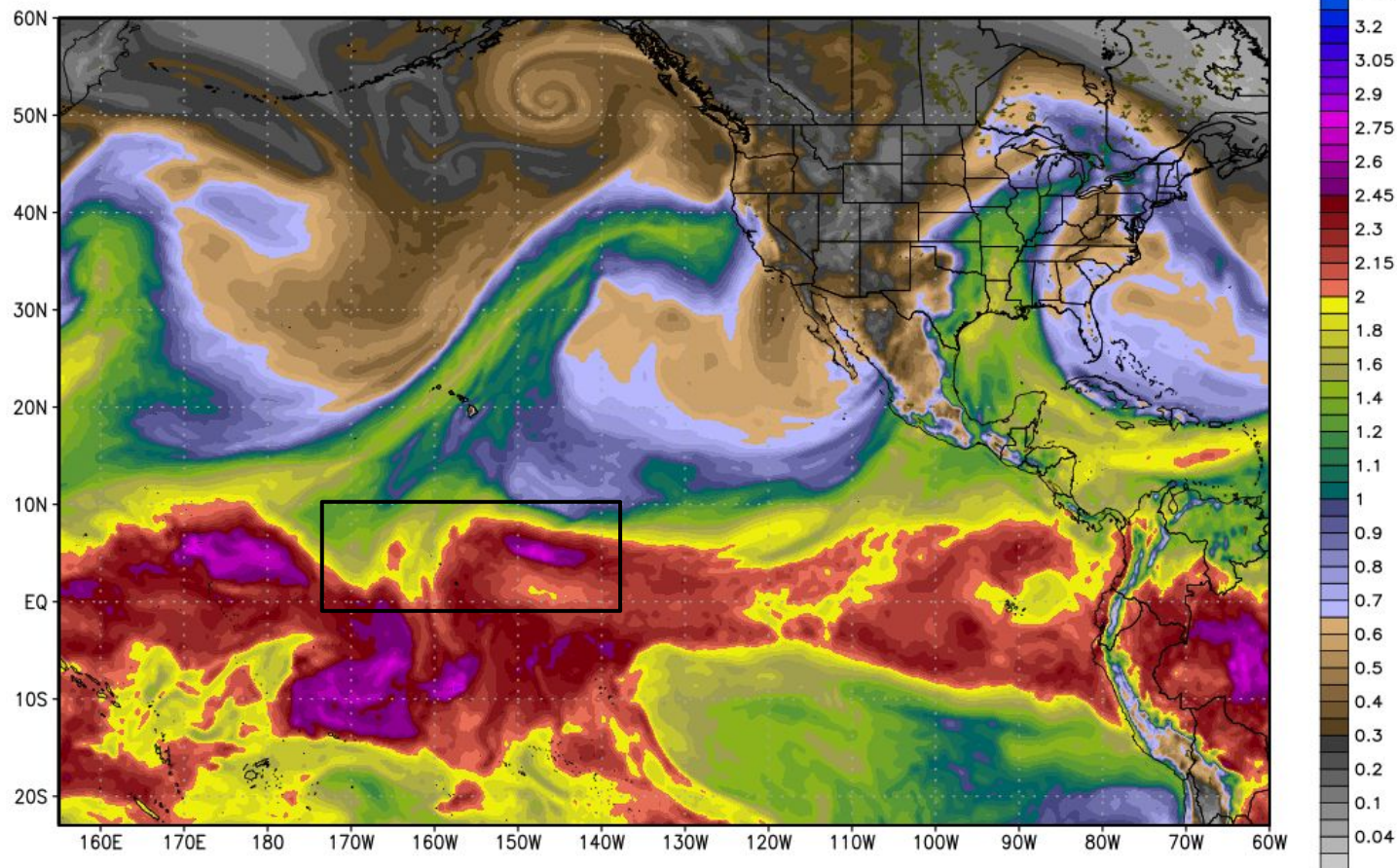
MaxPWAT: 3.80 inch
SLP Min|Max 966.2 | 1032.9 hPa

Latest: 48HR Lead EC Valid 00Z WED



NCEP GFS Precipitable Water [inch]
INIT: 12Z07MAR2016 fx: [036] hr --> Wed 00Z09MAR2016

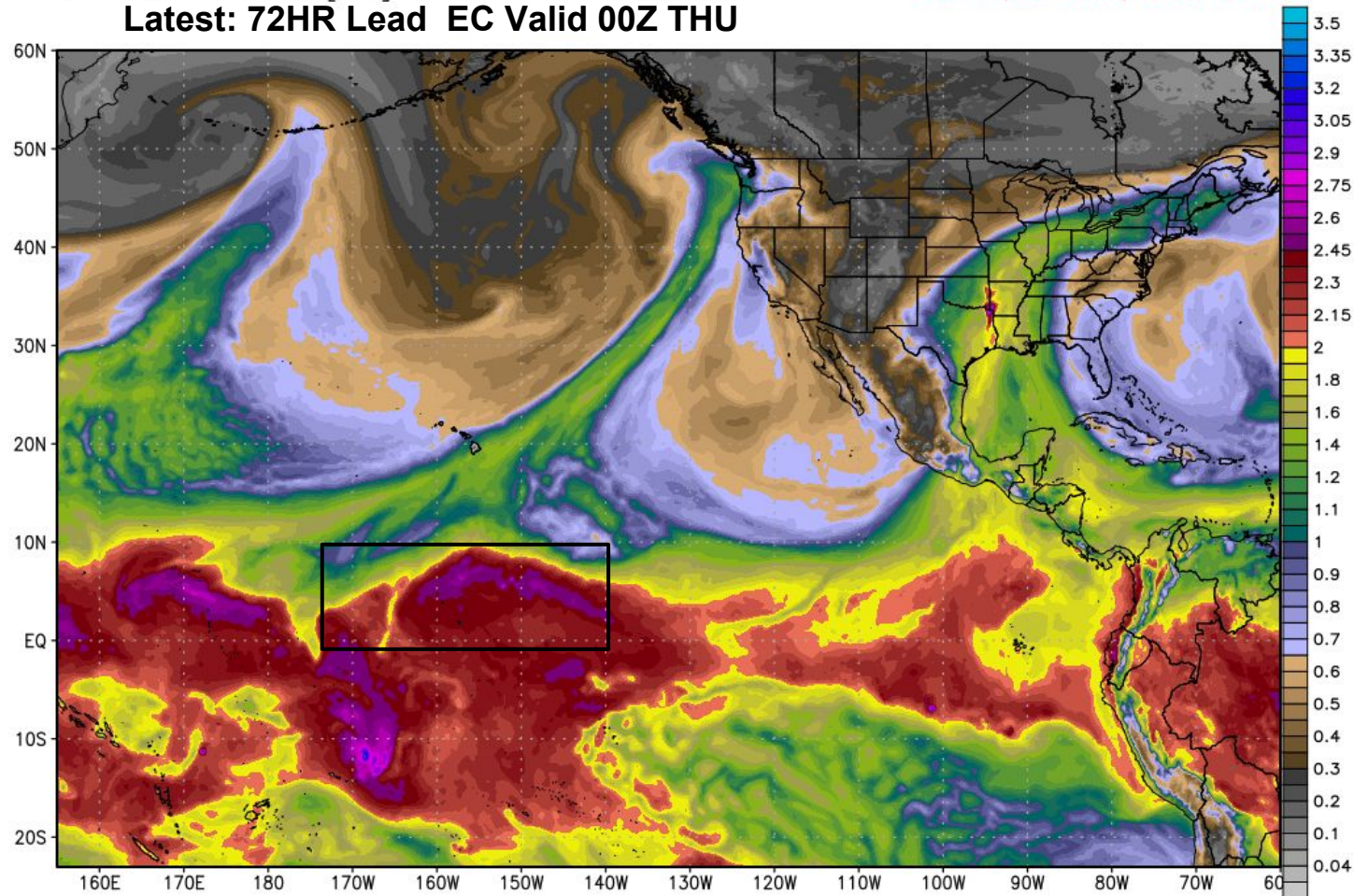
Latest: 36HR Lead GFS Valid 00Z WED



ECMWF Column Water [inch]
INIT: 00Z07MAR2016 fx: [072] hr --> Thu 00Z10MAR2016

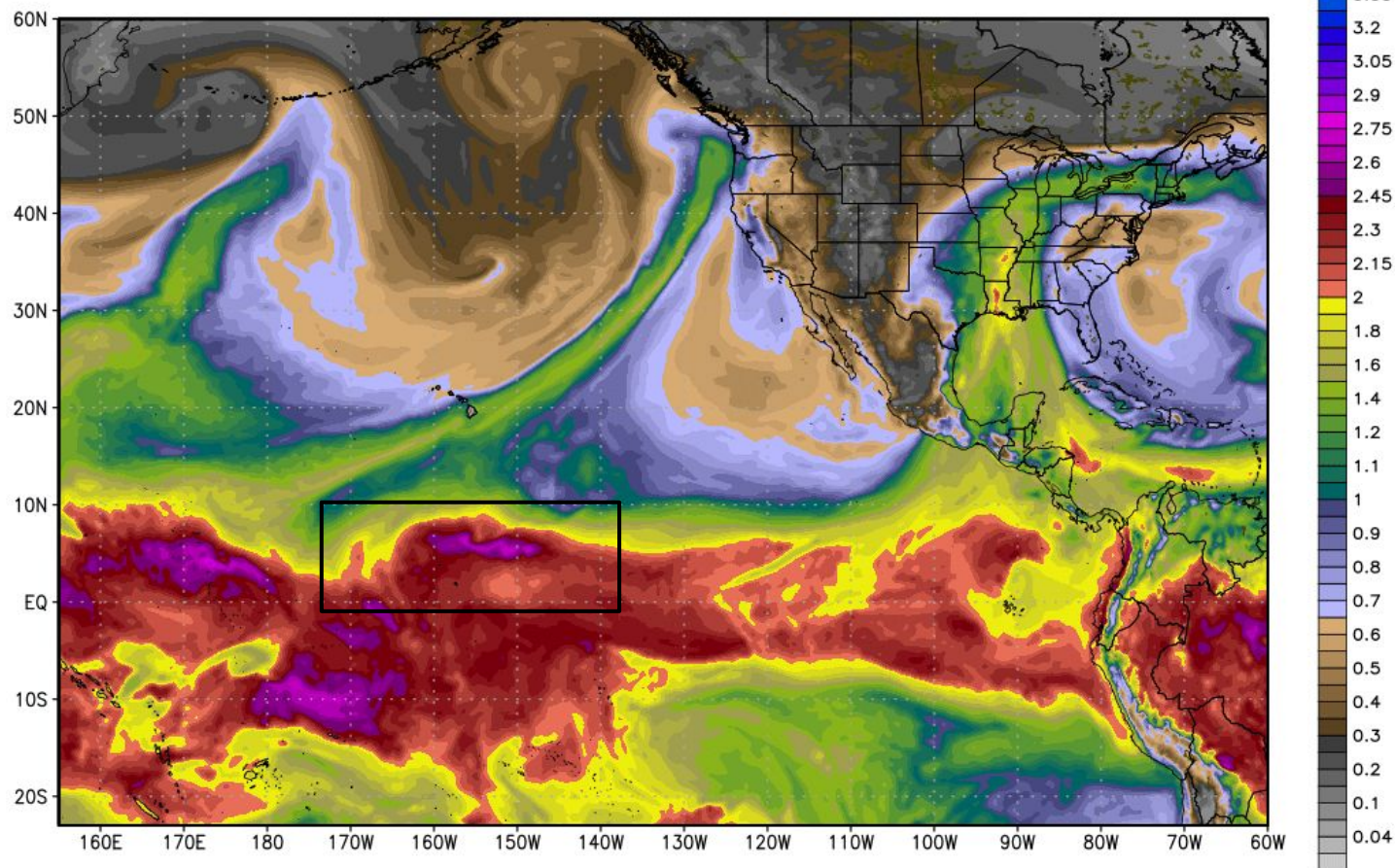
MaxPWAT: 3.32 inch
SLP Min|Max 967.0 | 1033.5 hPa

Latest: 72HR Lead EC Valid 00Z THU



NCEP GFS Precipitable Water [inch]
INIT: 12Z07MAR2016 fx: [060] hr --> Thu 00Z10MAR2016

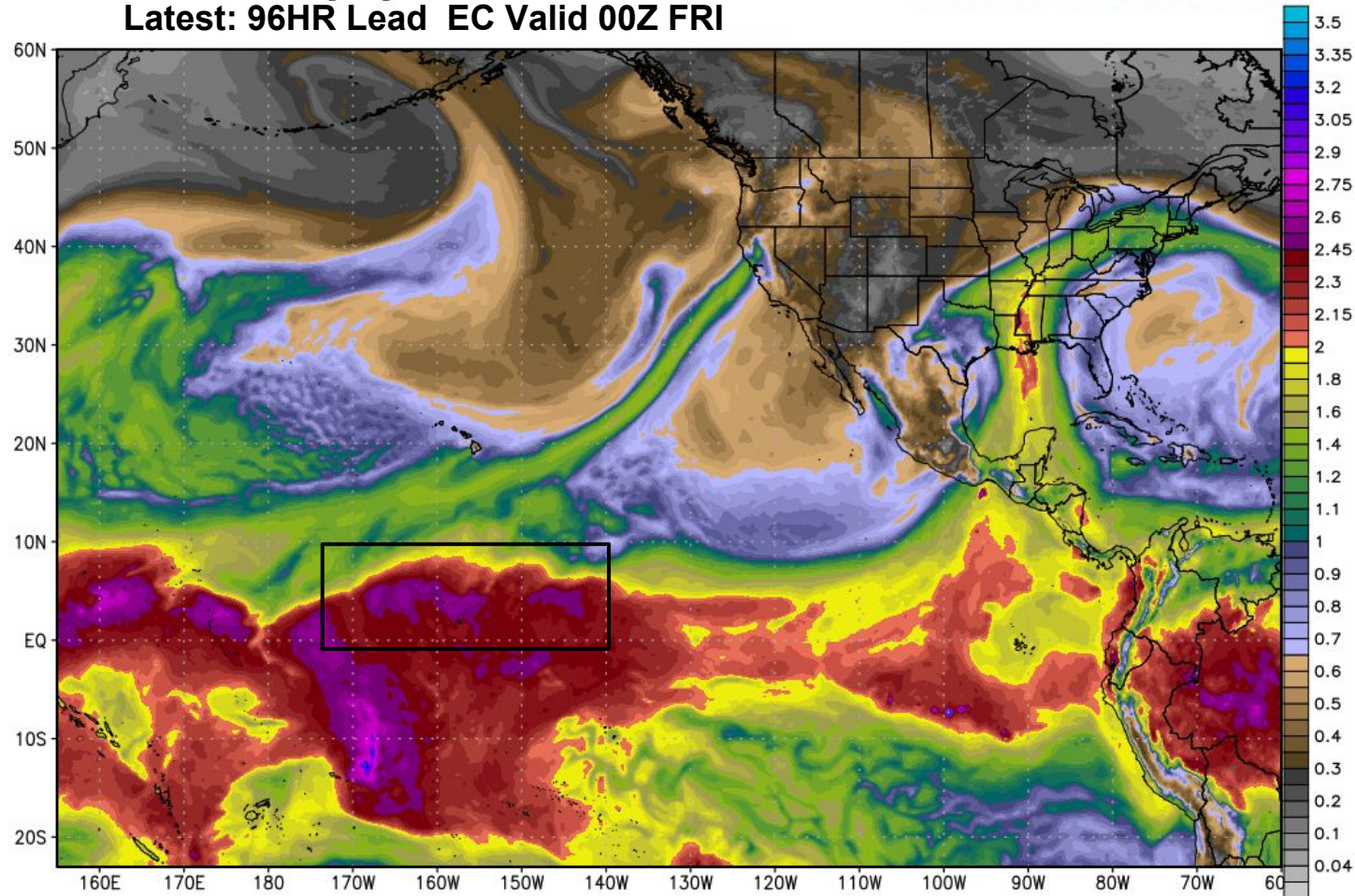
Latest: 60HR Lead GFS Valid 00Z THU



ECMWF Column Water [inch]
INIT: 00Z07MAR2016 fx: [096] hr --> Fri 00Z11MAR2016

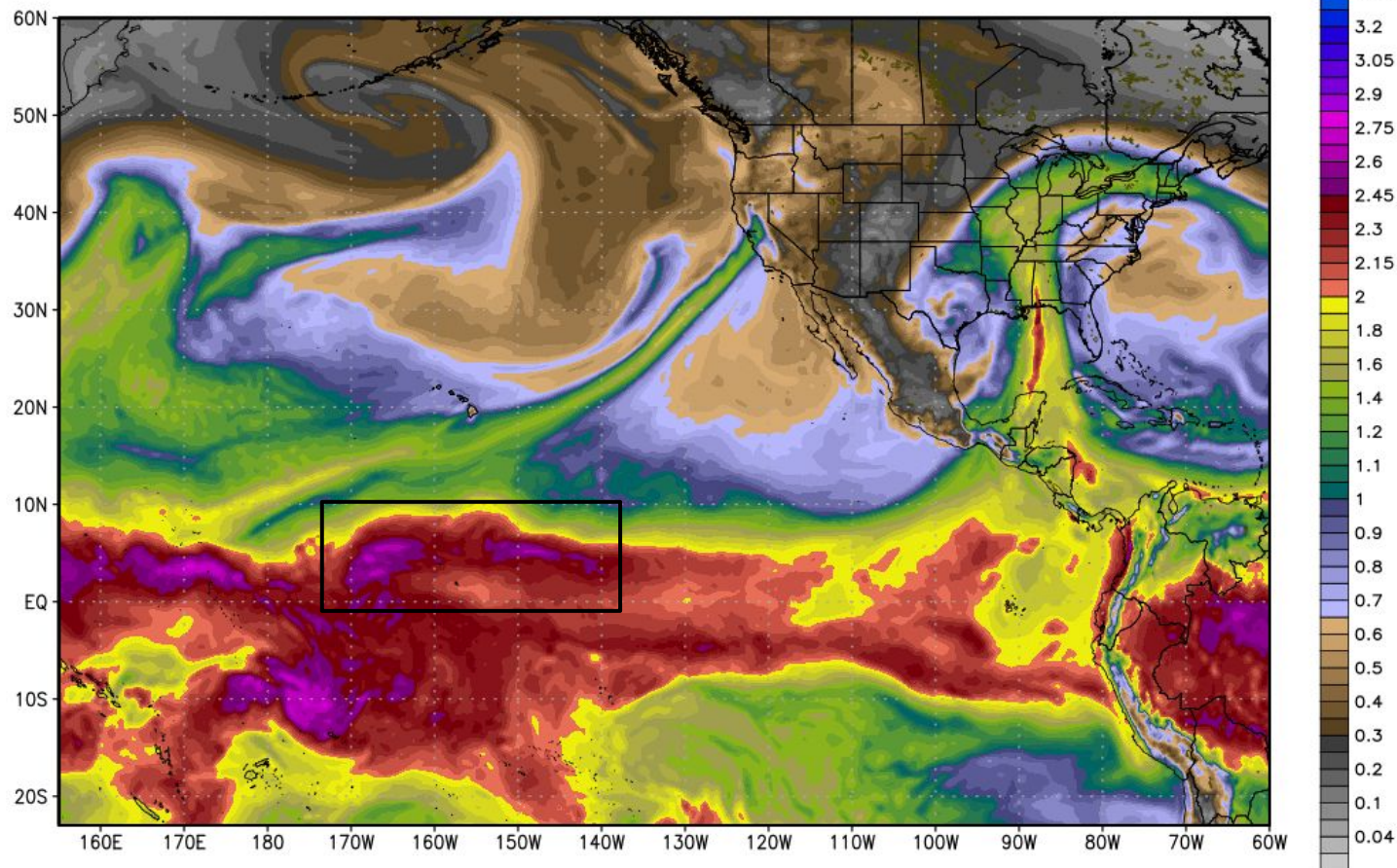
MaxPWAT: 3.90 inch
SLP Min|Max 961.9 | 1032.5 hPa

Latest: 96HR Lead EC Valid 00Z FRI



NCEP GFS Precipitable Water [inch]
INIT: 12Z07MAR2016 fx: [084] hr --> Fri 00Z11MAR2016

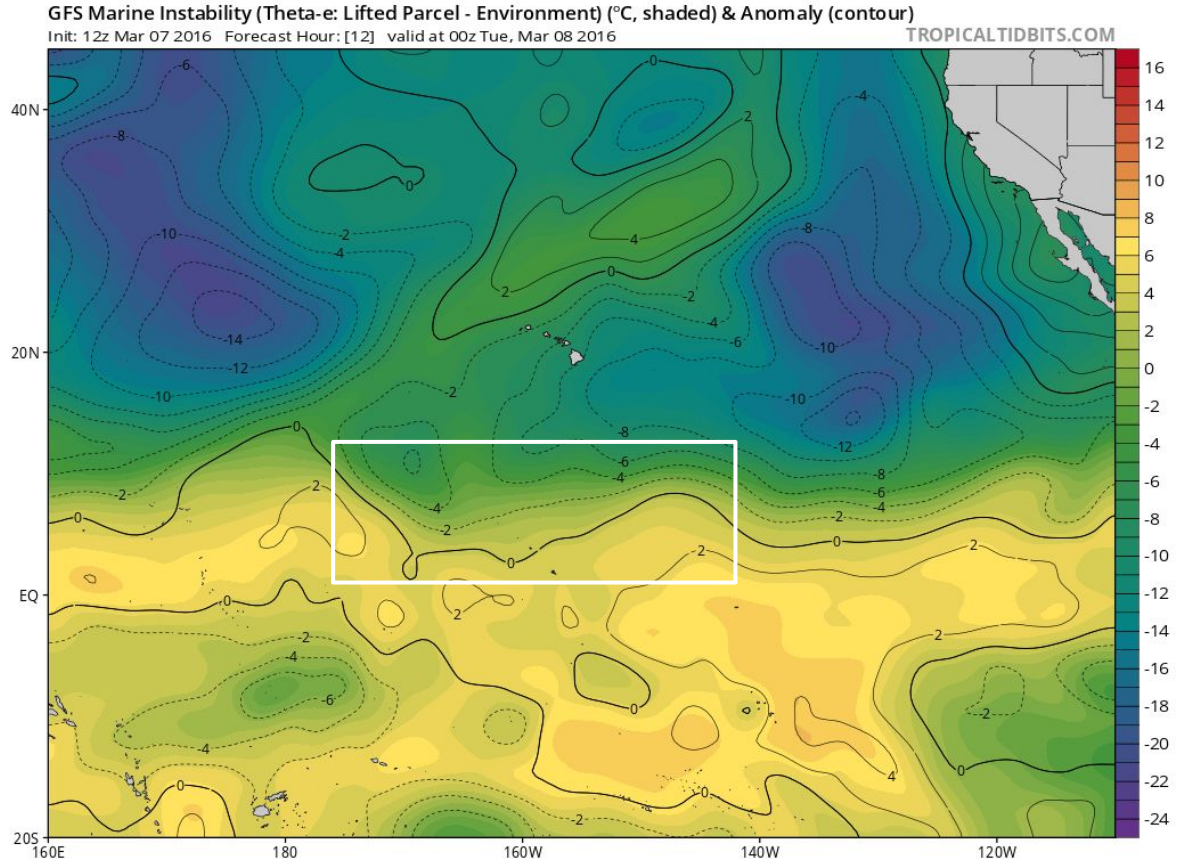
Latest: 84HR Lead GFS Valid 00Z FRI



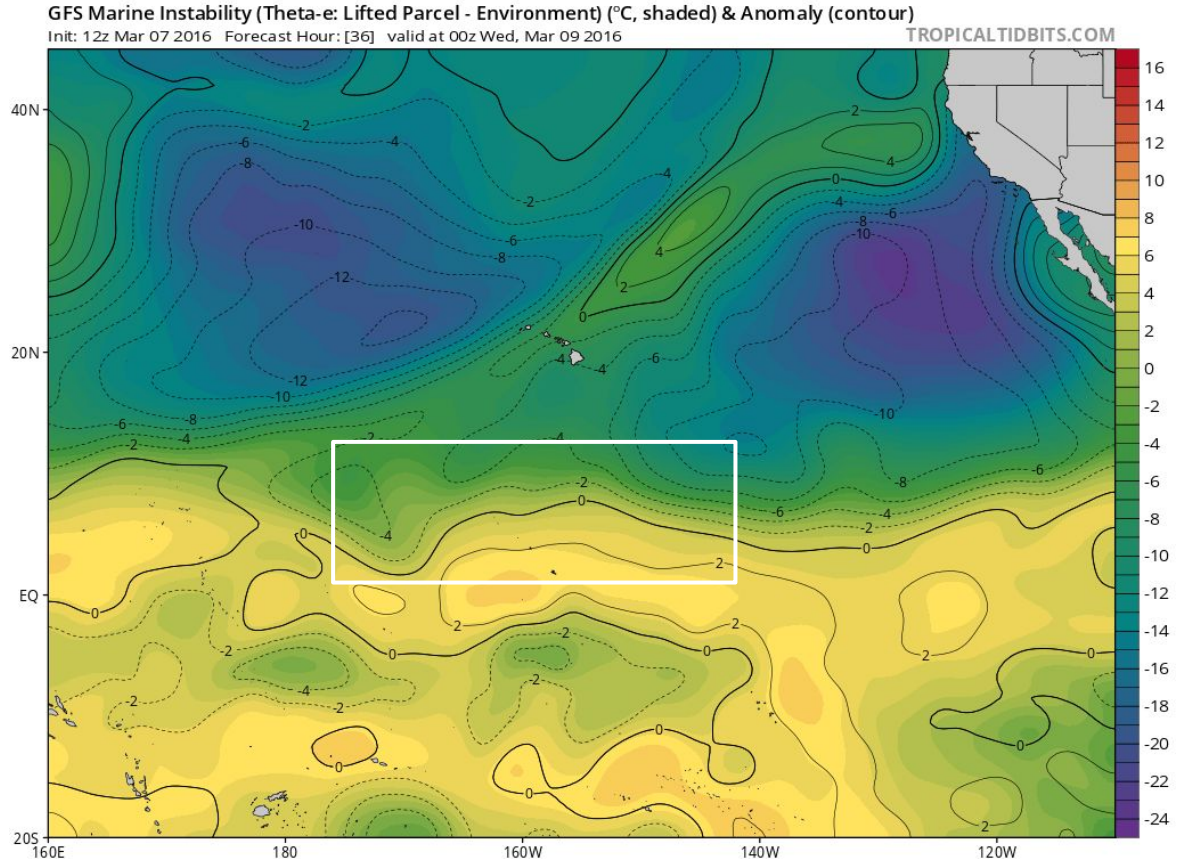
GFS 12Z Instability

Forecasts: Mar 7 00z - Mar
10 00z

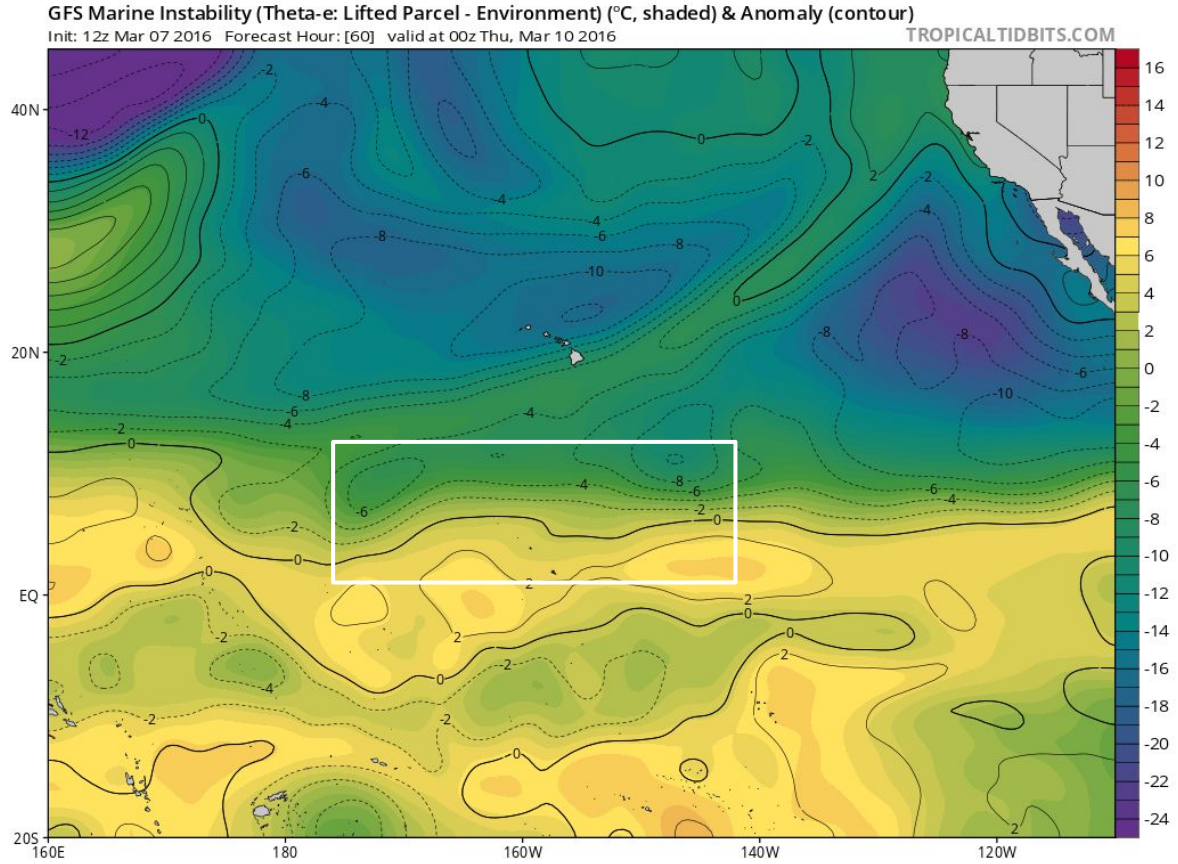
GFS Forecast 00Z
TUE



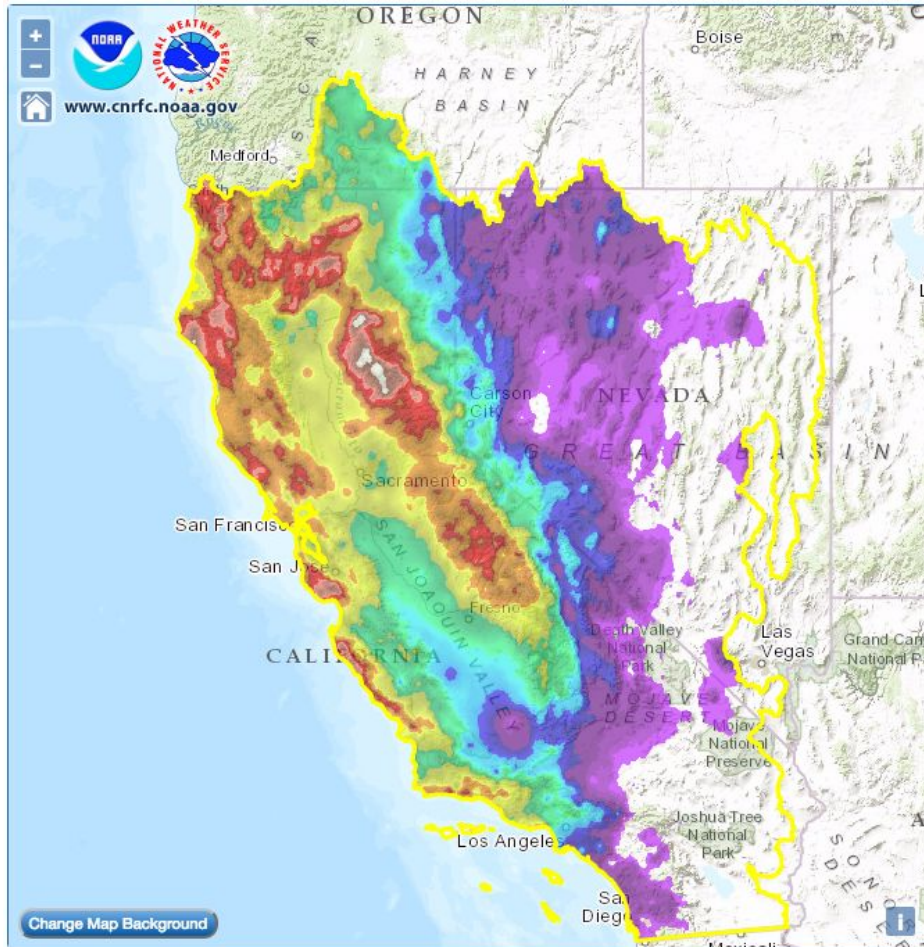
GFS Forecast 00Z
WED



GFS Forecast 00Z
THU



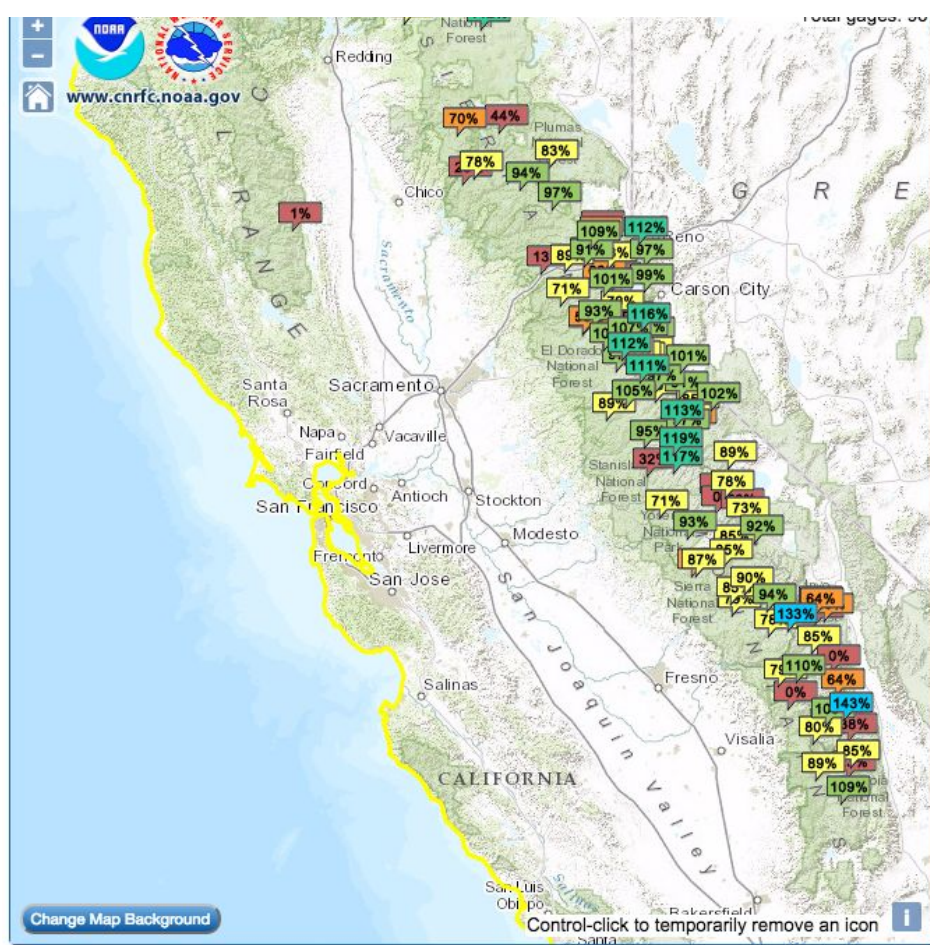
CNRFC 24 HR QPE



Precipitation (inches)

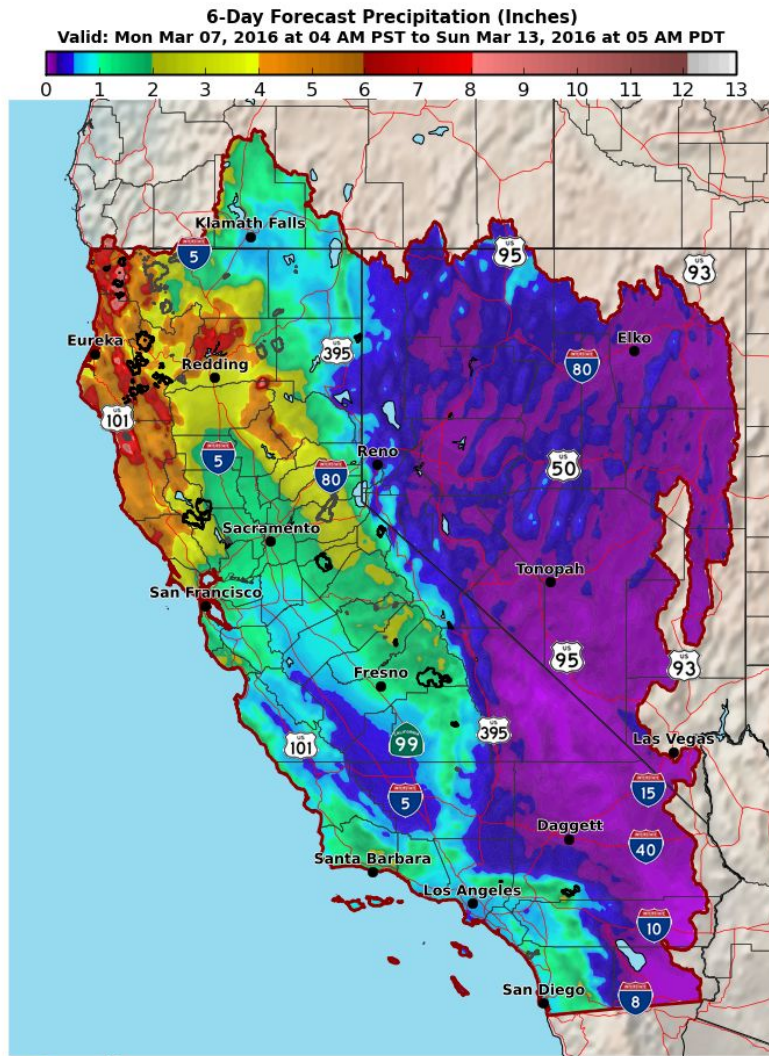


CNRFC: SWE

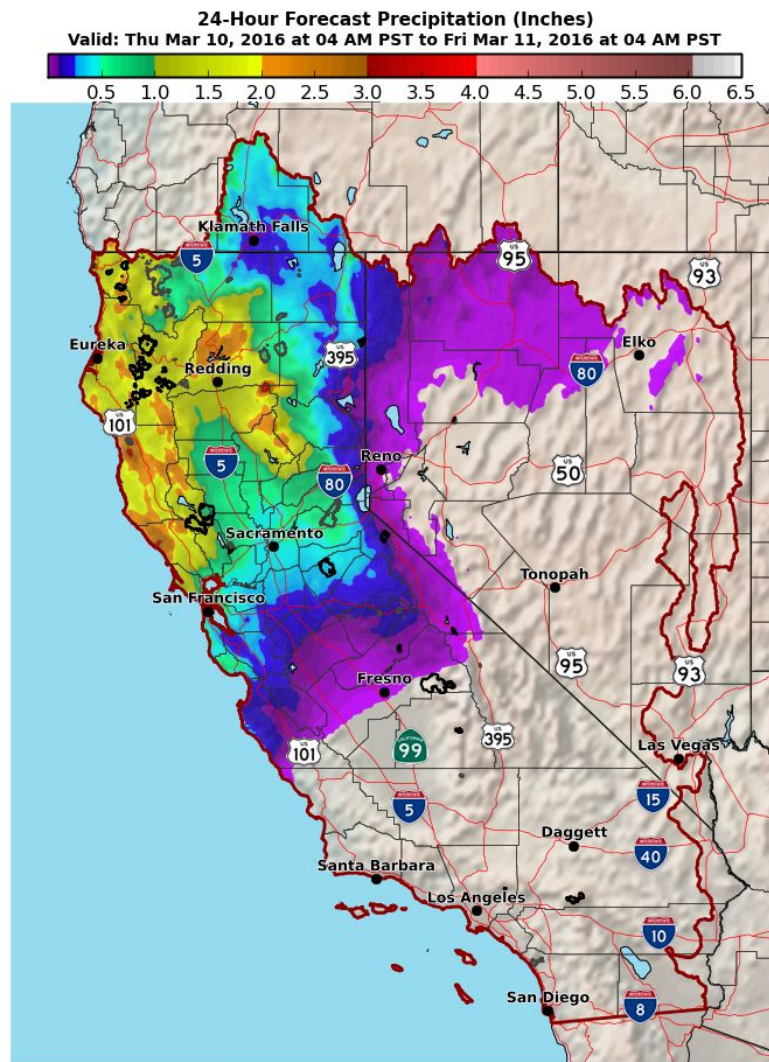


Valid: Mon Mar 7, 2016 at 4:00 AM PST

CNRFC: 6 Day QPF



CNRFC: Day 4 QPF



WPC: 3 Day Total
QPF

