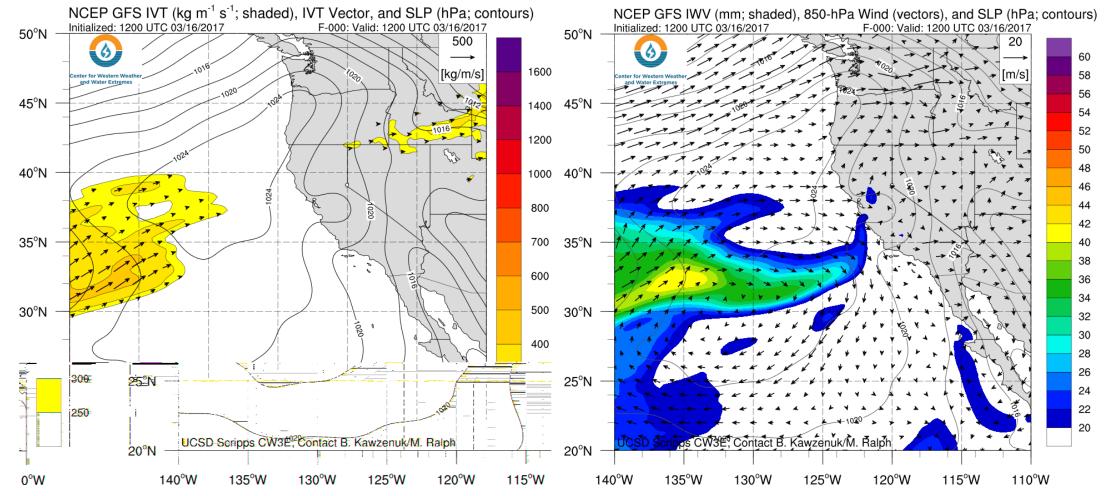


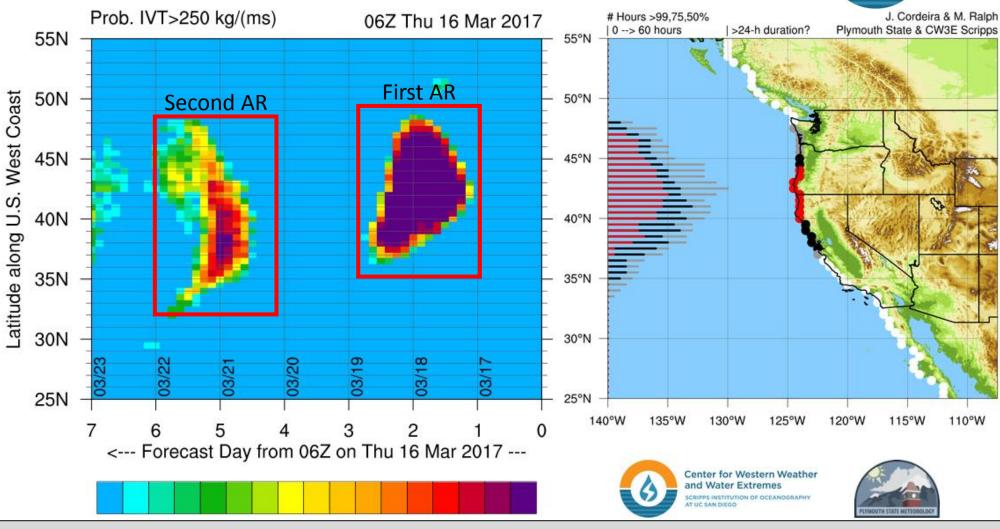
#### Two ARs Forecast to Impact West Coast Over the Next Week

- First AR to make landfall over Oregon Friday morning and primarily impact the Pacific Northwest and Northern CA
- Second AR is forecast to impact Oregon and Northern CA beginning Monday Morning
- Coastal Oregon could potentially experience strong AR conditions around 8 PM PDT Friday associated with first AR
- Second AR could bring moderate AR conditions to Northern California but forecast confidence is currently low
- Precipitation forecasts range from 2 to 4.8 inches over the high elevations of Northern California and the Pacific Northwest



For California DWR's AR Program

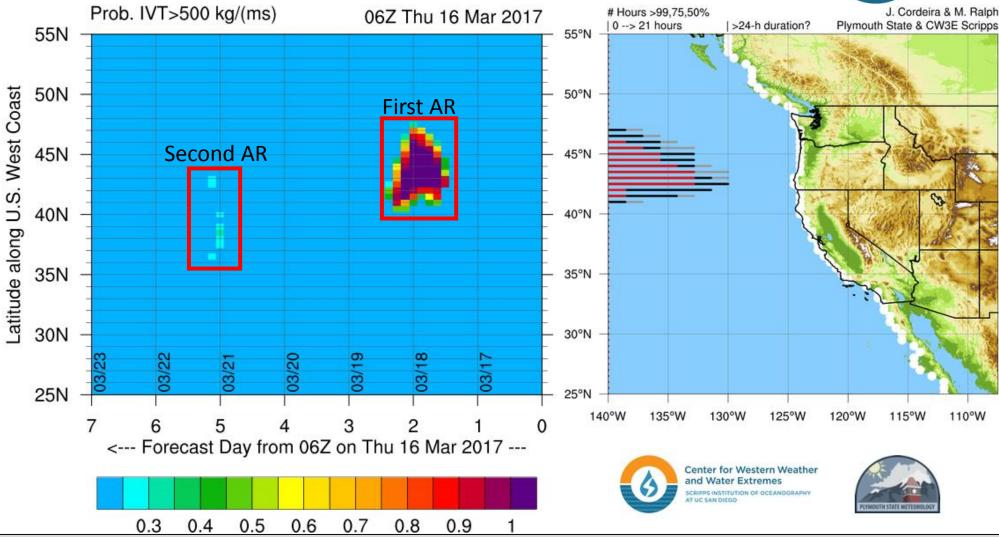




- High probability of at least weak AR conditions (IVT >250 kg m<sup>-1</sup> s<sup>-1</sup>) lasting up to 36 hours over Oregon and Northern CA with first AR beginning at approximately midnight on the 17 March
- Lower probability of AR conditions associated with the second AR beginning ~11 am 20 March over OR and Northern CA

For California DWR's AR Program

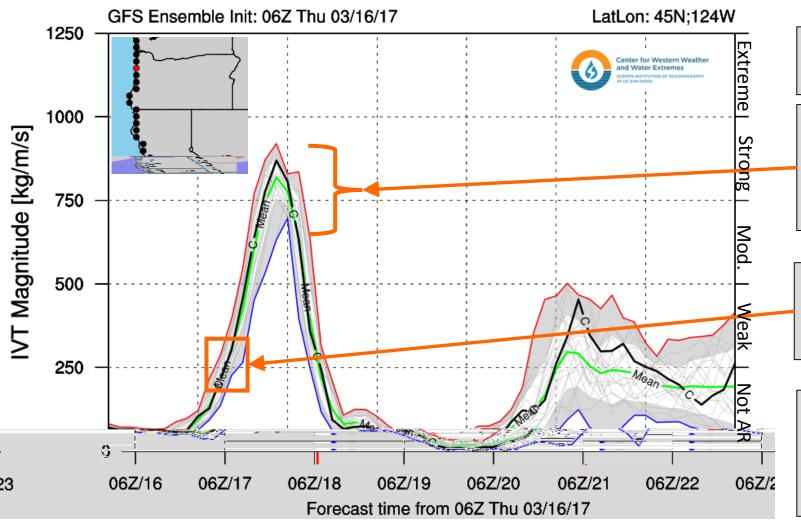




- High probability of moderate AR conditions (IVT >500 kg m<sup>-1</sup> s<sup>-1</sup>) beginning at  $\sim$ 12 PM PDT 17 March over OR associated with first AR
- Currently low (0–30%) probability of moderate AR conditions associated with second AR next week

For California DWR's AR Program





Coastal OR could potentially experience strong AR conditions, IVT> 750 kg m<sup>-1</sup> s<sup>-1</sup>

#### **Magnitude of AR over Coastal Oregon**

- Maximum possible IVT  $\sim 900 \text{ kg m}^{-1} \text{ s}^{-1}$
- Mean IVT  $\sim 800 \text{ kg m}^{-1} \text{ s}^{-1}$
- Uncertainty  $\sim +/-12\%$

# **High Confidence in onset of AR conditions:**

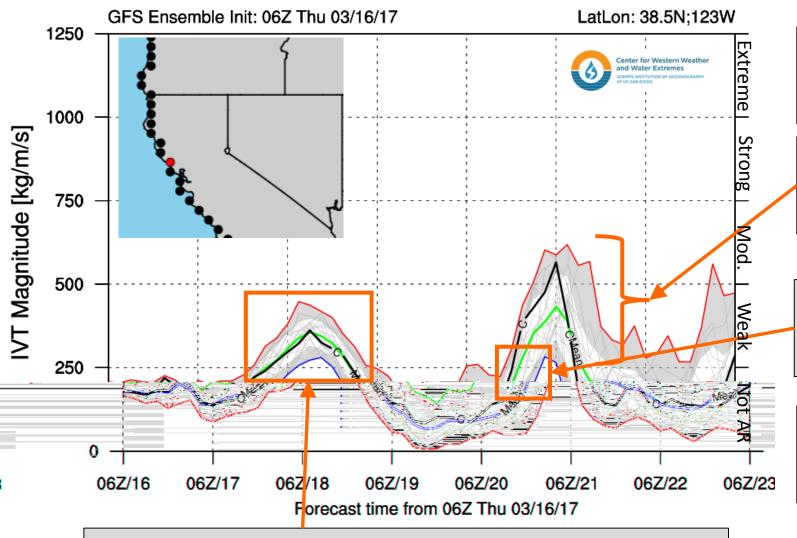
• 6 AM PT Friday 17 March +/- 3 h

#### **Duration of AR conditions**

- Weak:  $\sim$ 24 hours +/-6 h
- Moderate:  $\sim$ 14 hours +/-9 h
- Strong  $\sim$  6 hours +/-6 h

For California DWR's AR Program





The Second AR could potentially bring Weak to Moderate AR conditions to the Russian River Region

#### **Magnitude of AR over Coastal Oregon**

- Maximum possible IVT  $\sim 650 \text{ kg m}^{-1} \text{ s}^{-1}$
- Mean IVT  $\sim 400 \text{ kg m}^{-1} \text{ s}^{-1}$

# Large Uncertainty in Onset of AR conditions:

• 11 AM Monday 20 March +/- 12 h

#### **Duration of AR conditions**

- Weak:  $\sim$ 12 hours +/- 12 h
- Moderate:  $\sim$ 3 hours +/-9

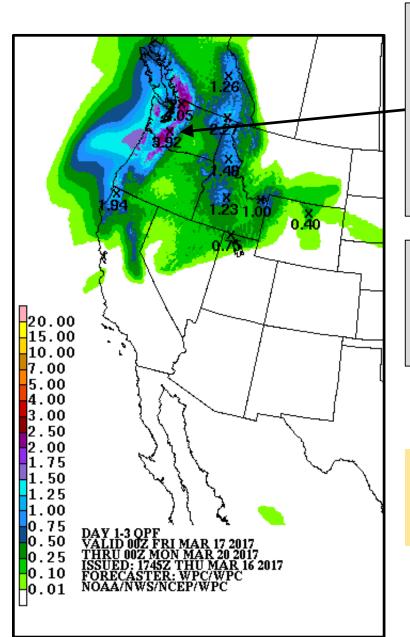
The Russian River Region may experience up to 24 hours of weak AR conditions associated with the first AR

For California DWR's AR Program



## Center for Western Weather and Water Extremes

SCRIPPS INSTITUTION OF OCEANOGRAPHY



1–3 day precipitation forecasts from the NOAA-WPC are forecasting 1.5 to 4.05 inches of precipitation over higher elevations of the Pacific Northwest in association with the first AR. Lower elevations are forecast to receive up to .75 inches

7-day WPC precipitation forecasts range from 1 to 4.8 inches over Norther CA and the Pacific Northwest. Lower elevations could receive up to 1.5 inches

For Official NOAA-NWS Precipitation
Forecasts see
www.wpc.ncep.noaa.gov/qpf/qpf2.shtml

