

## **Latest Update on Potential Storm Early Next Week**

*Updated: 22 February 2024*

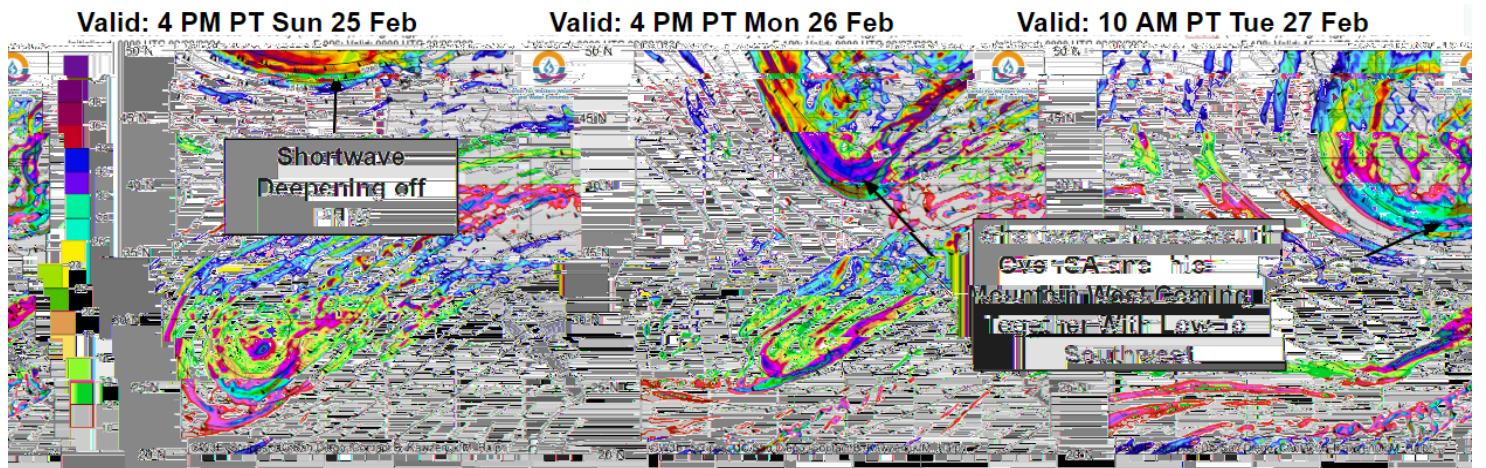
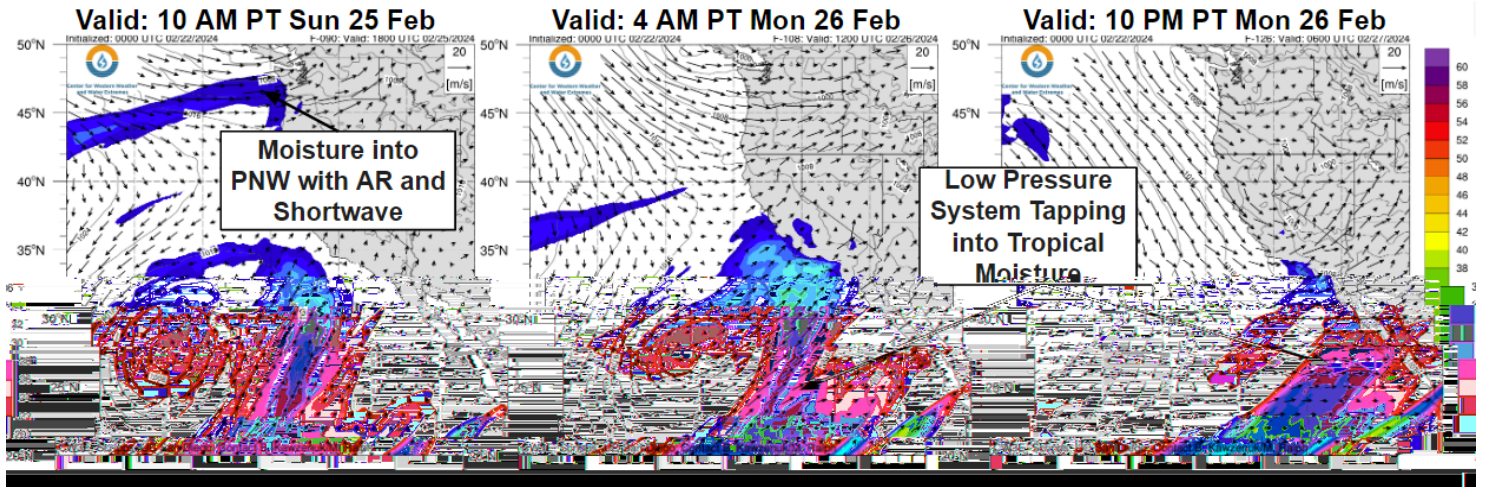
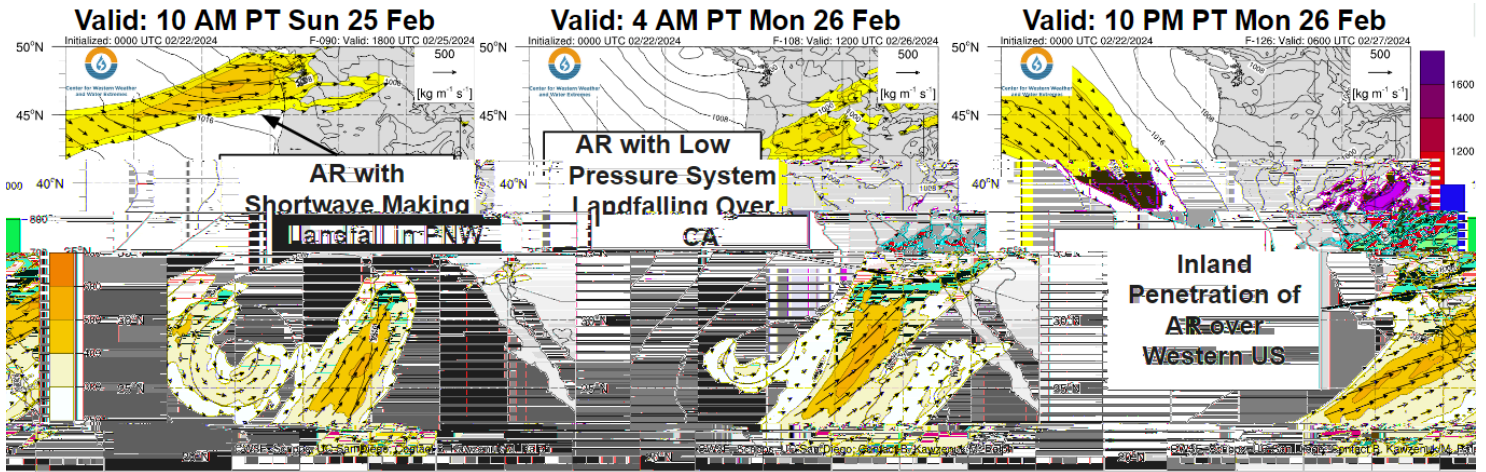
A quick look at the low pressure system and shortwave trough that bring precipitation to much of the Western US.

### Forecast Highlights:

- A shortwave trough that forms in the Gulf of Alaska is forecast to deepen along the US West Coast Sun 25 Feb into Mon 26 Feb, bringing an AR to the PNW.
- As the shortwave continues to deepen along the US West Coast, it is forecast to phase with a cut-off low pressure system off the coast of California.
- This low pressure system taps into Eastern Pacific tropical moisture, bringing AR conditions to southern CA that then penetrate inland to the southwest US.
- The inland penetration of these AR conditions may support significant snowfall accumulations in portions of the Intermountain West, including the Upper Colorado River Basin.
- The Weather Prediction Center (WPC) is forecasting 1 to 3 inches of precipitation along the PNW coast and 3 to 5 inches over the Cascades for the 48 hour period ending 4 PM PT Mon 26 Feb in association with the shortwave trough.
- The WPC is forecasting 1 to 4 inches of precipitation over the Sierra Nevada in association with this system during the 72-hour period ending 4 PM PT Tue 27 Feb.
- The WPC has issued a marginal risk (level 1 of 4, 5% risk) for flash flooding from the LA metro area to San Diego for the 24 hour period ending 4 AM PT Tue 27 Feb.
- The National Blend of Models (NBM) is showing high probabilities (>80%) of snowfall accumulations greater than 12 inches over the Cascades with isolated regions of high probabilities (>70%) of greater than 24 inches of snow in the WA Cascades.
- The NBM is showing high (>70%) probabilities of snowfall accumulations greater than 12 inches over the Central and Southern Sierra Nevada, as well as western CO and WY, during the 72-hour period ending 4 PM PT Tue 27 Feb

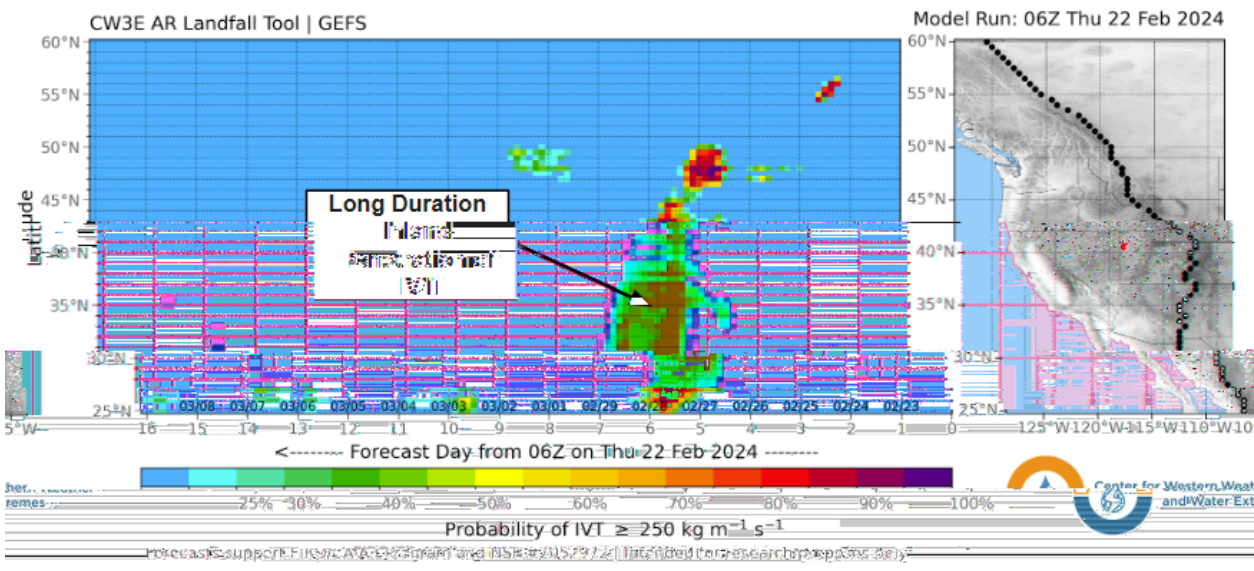
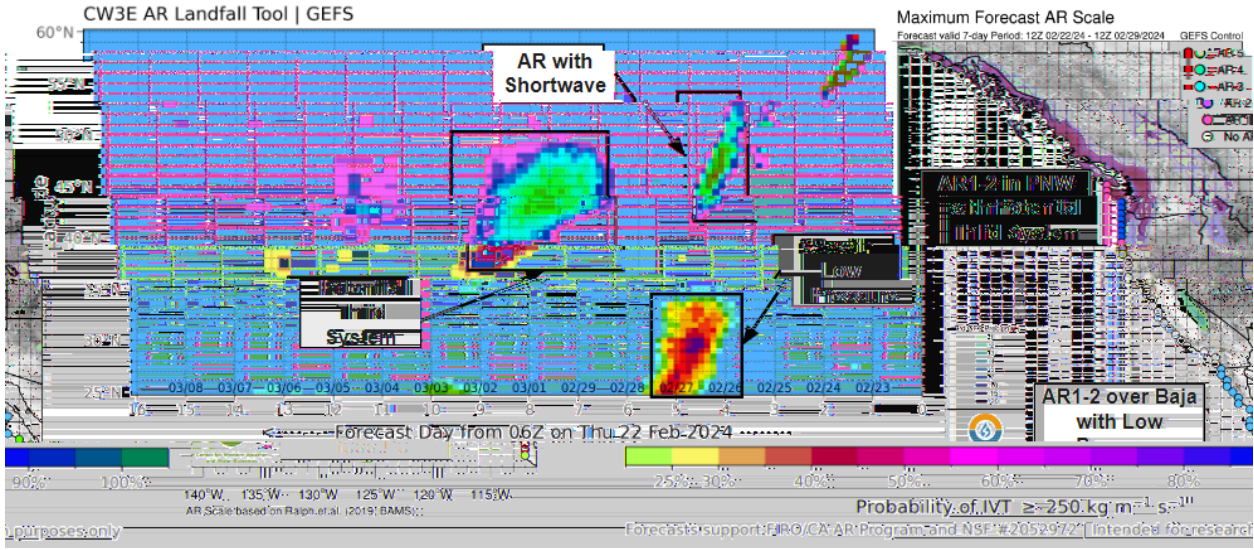
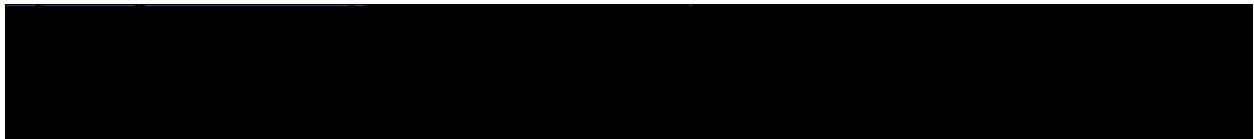
**Stay alert to official NWS forecasts, watches, and warnings at [weather.gov](https://www.weather.gov) and follow guidance from local emergency management officials**

**Stay tuned to the CW3E webpage for a full AR Update**



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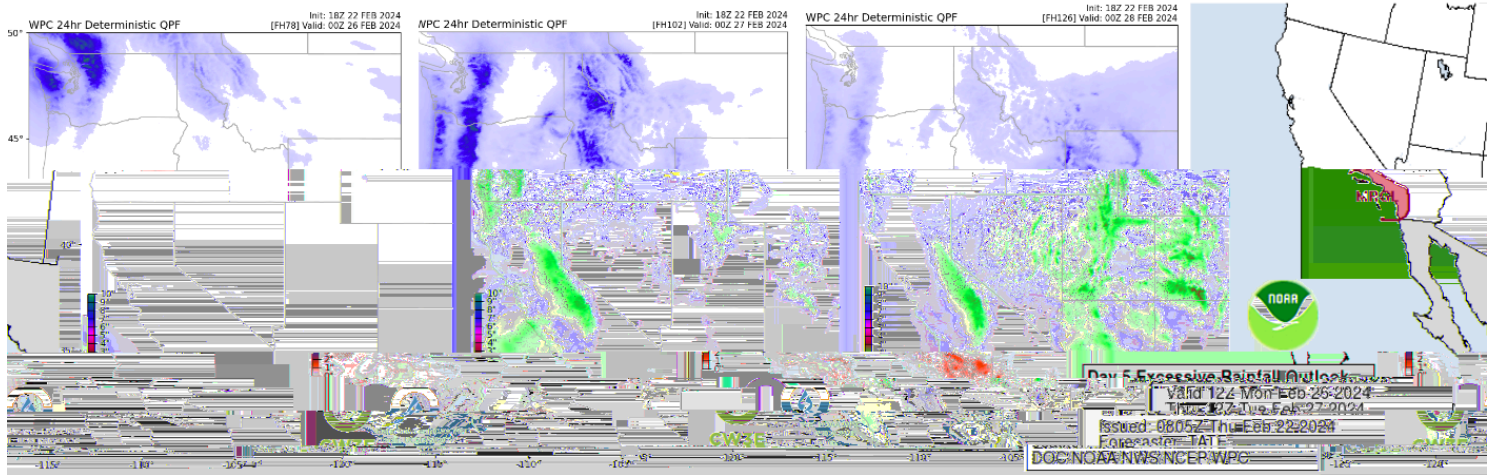


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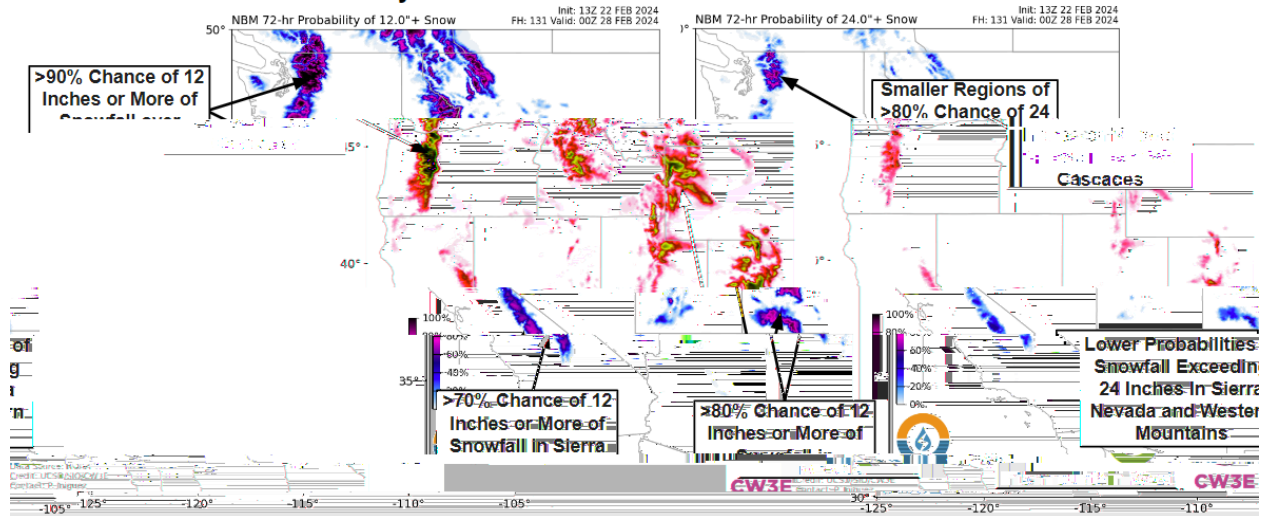


### Sequence QPF: 00Z Feb 25-28

### Low Pressure ERO: 12Z Feb 26 - 27



### NBM 72-Hr Probability of 12 and 24 Inches of Snowfall Accumulation: Valid Wed 28 Feb



#### Additional Considerations:

- Visit <https://www.cbrfc.noaa.gov/> and <https://cnrfc.noaa.gov/> for specific river and stream forecasts and <https://www.weather.gov/> for point specific watches, warnings, and forecasts.

In-depth AR forecasts products can be found here:

<http://cw3e.ucsd.edu/iwv-and-ivt-forecasts/>

Update by M. Steen

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