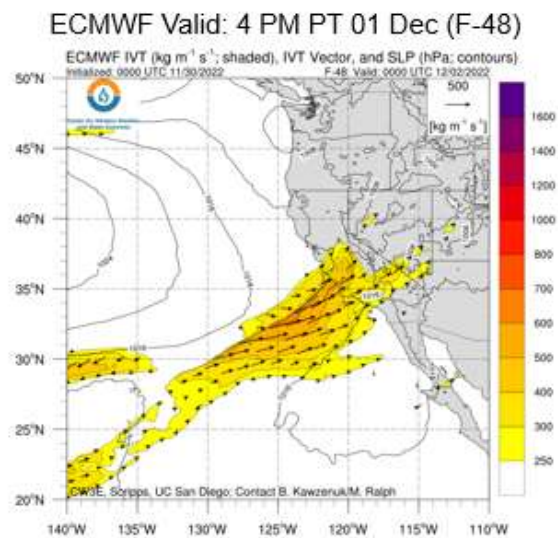
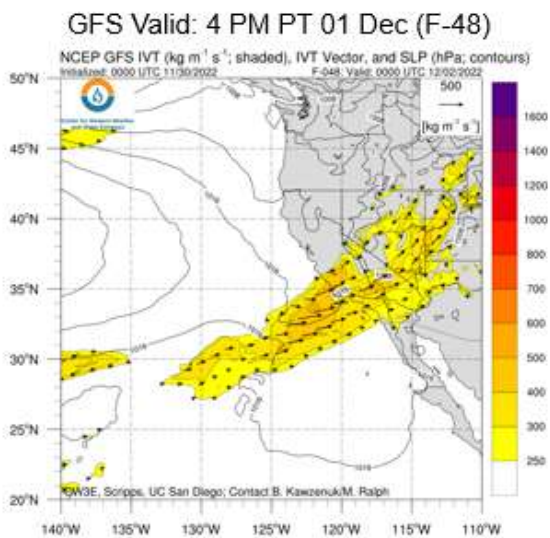


Updated: 30 November 2022

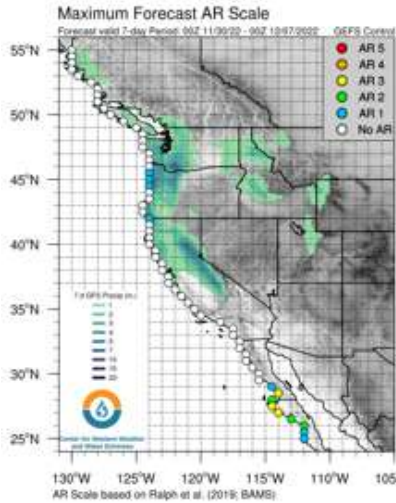
A quick look at the weak atmospheric river (AR) and shortwave trough set to impact the Western US through Sunday.

Forecast Highlights:

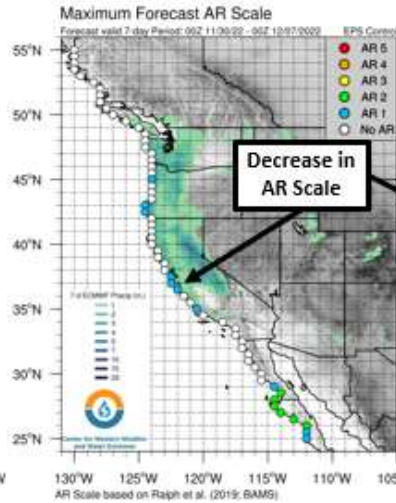
- A strong low-pressure system associated with an upper-level shortwave trough will impact much of the US West Coast, with the development of a weak AR over Northern California
- After the initial AR passes, a second low-pressure system develops offshore and travels down the coast, bringing another round of precipitation to the region Friday into Sunday
- The ECMWF model has decreased the strength of the initial AR over Central California which is now more in line with the GFS model. In addition, the ECMWF brings the core of AR conditions across the region a bit later than the GFS
- The NWS Weather Prediction Center is forecasting up to 7 inches of precipitation through Sunday for mountainous regions along the border of Oregon and California and throughout the Sierra Nevada, with a marginal risk for excessive rainfall along the California coast
- Compared to the GEFS, the ECMWF EPS is forecasting higher precipitation totals in coastal California watersheds, with less precipitation in Sierra Nevada watersheds
- Rivers are expected to rise in Southern Oregon and Northern California during this storm, but are not forecast to exceed flood stage
- The NWS has issued numerous Winter Storm Warnings for heavy snow and hazardous travel conditions across the western US. At least 1-3 feet of snowfall is expected over the Sierra Nevada by Sunday



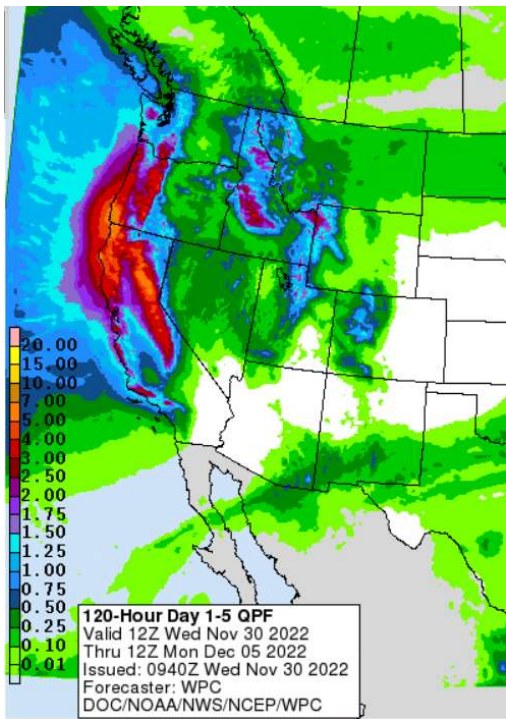
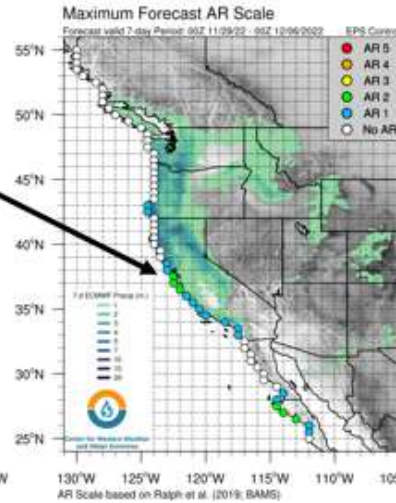
GFS Valid:
4 PM 30 Nov – 4 PM 07 Dec
Current Forecast



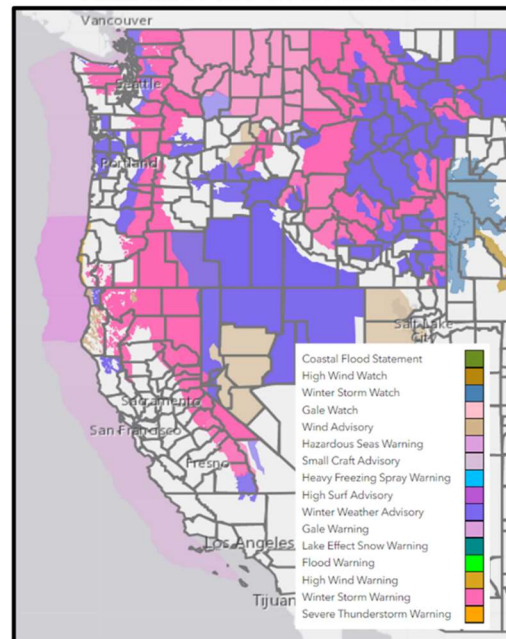
ECMWF Valid:
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Current Forecast

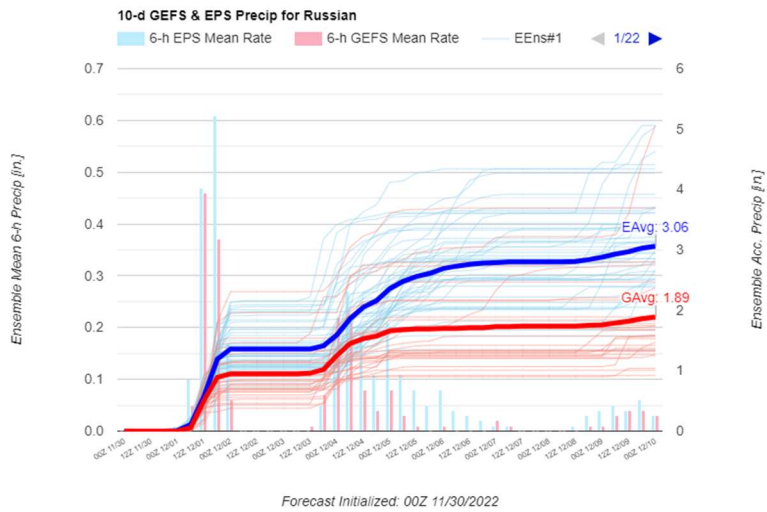
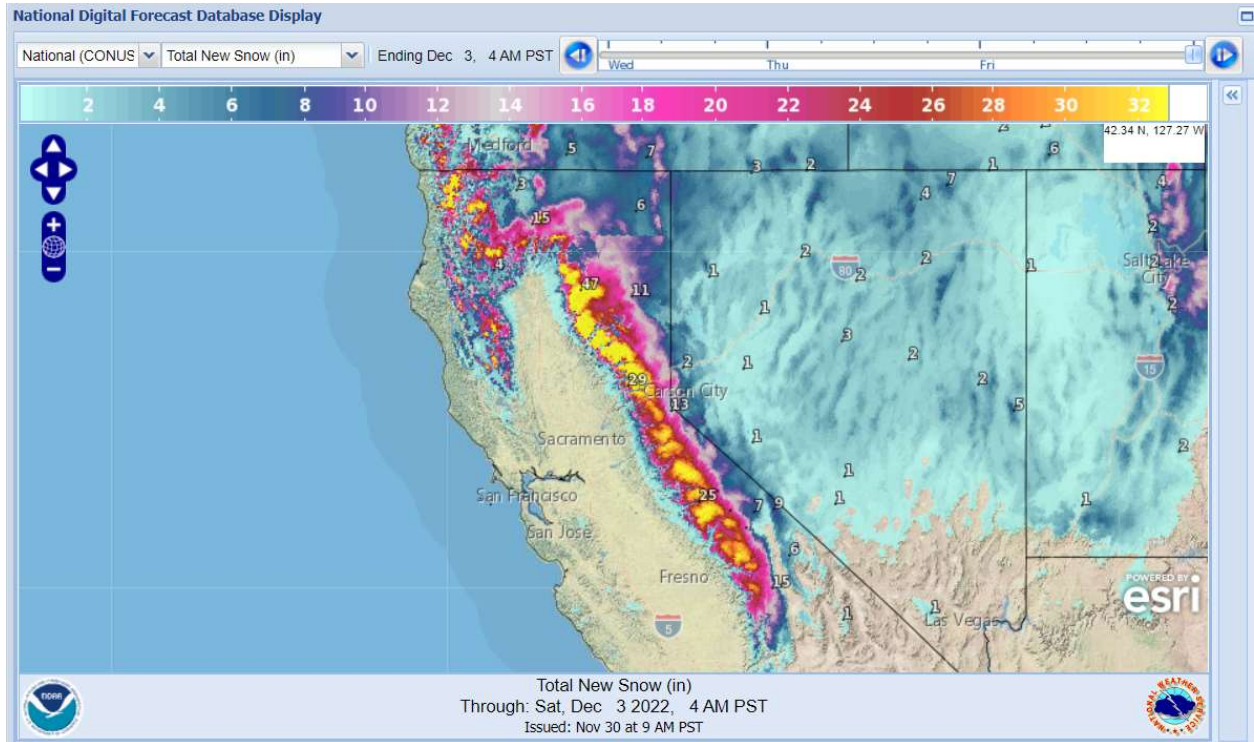


ECMWF Valid:
4 PM 29 Nov – 4 PM 06 Dec
Previous Forecast



NWS Watches, Warnings, and Advisories
Valid: 9:30 AM PST 30 Nov 2022





Additional Considerations:

- Visit <https://nwrfc.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 provided by S. Roj

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