



## **Latest update on AR making landfall along the US West Coast**

*Updated: 11 January 2023*

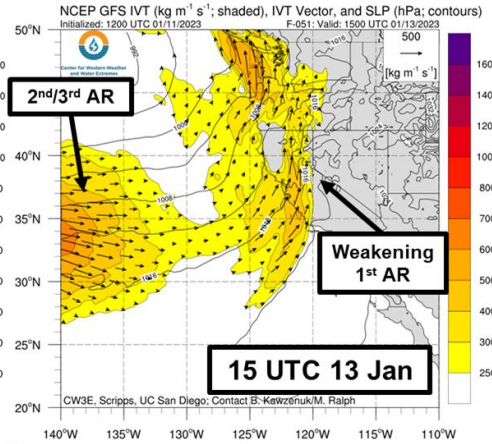
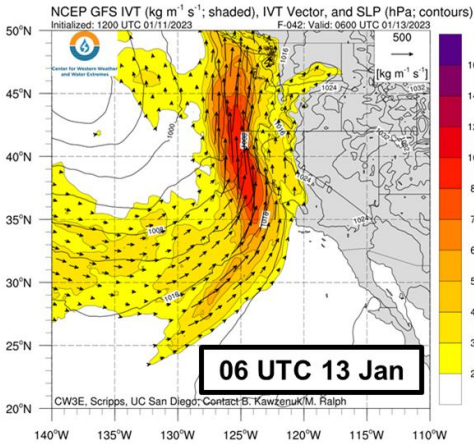
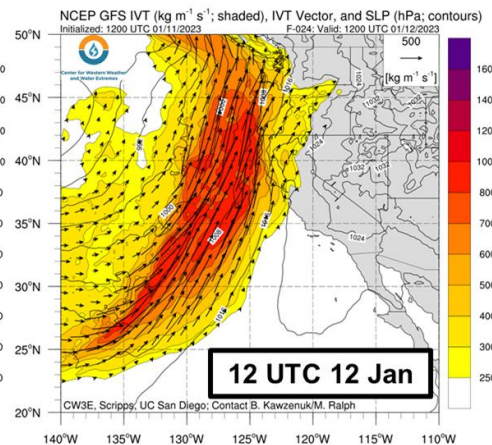
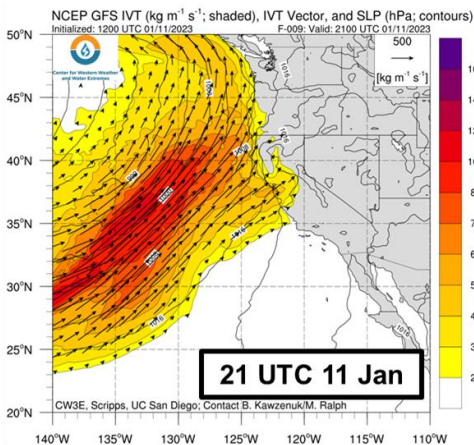
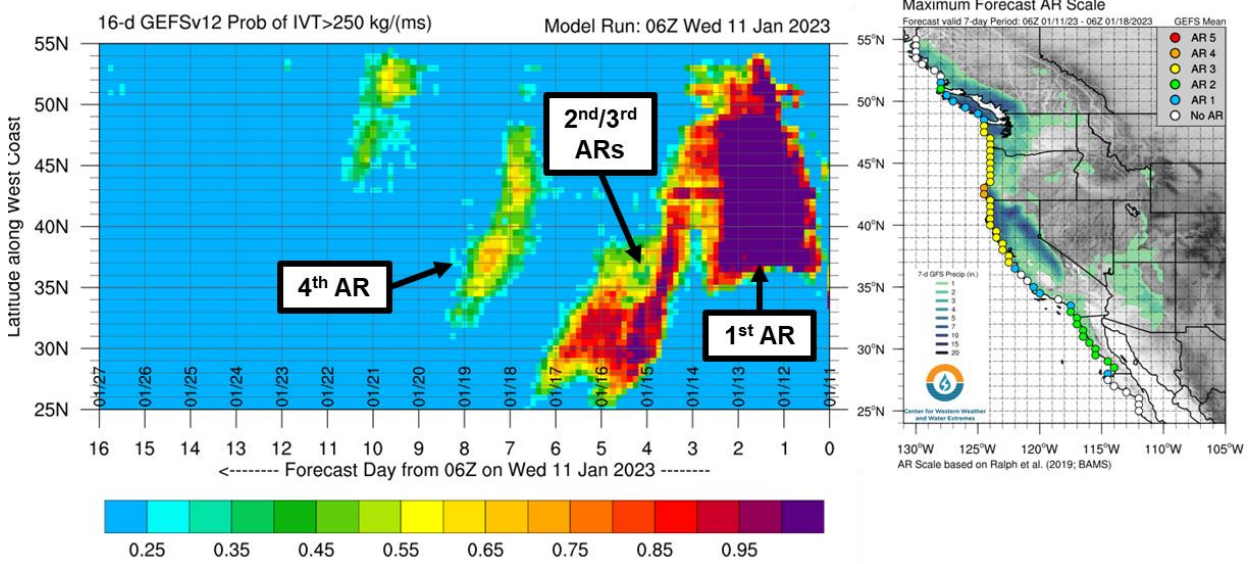
A quick look at the atmospheric river making landfall along the US West Coast which is forecast to bring precipitation to the Coast Ranges in California, Washington, and Oregon

### Forecast Highlights:

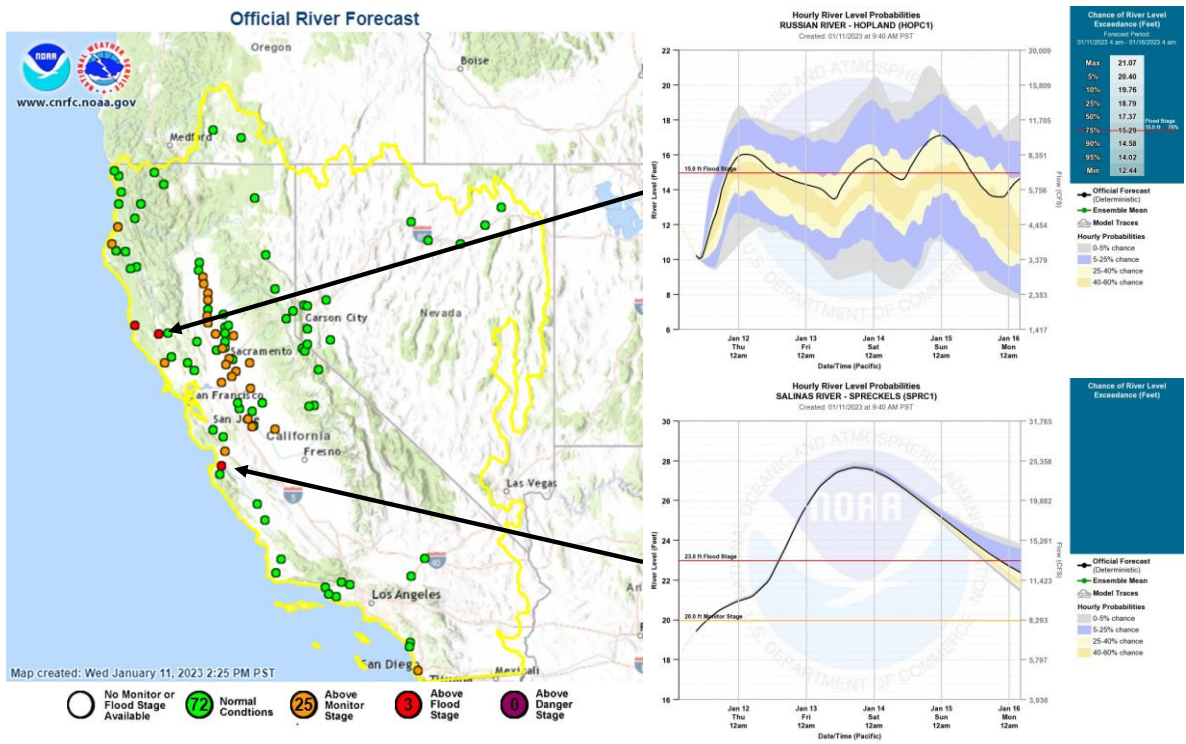
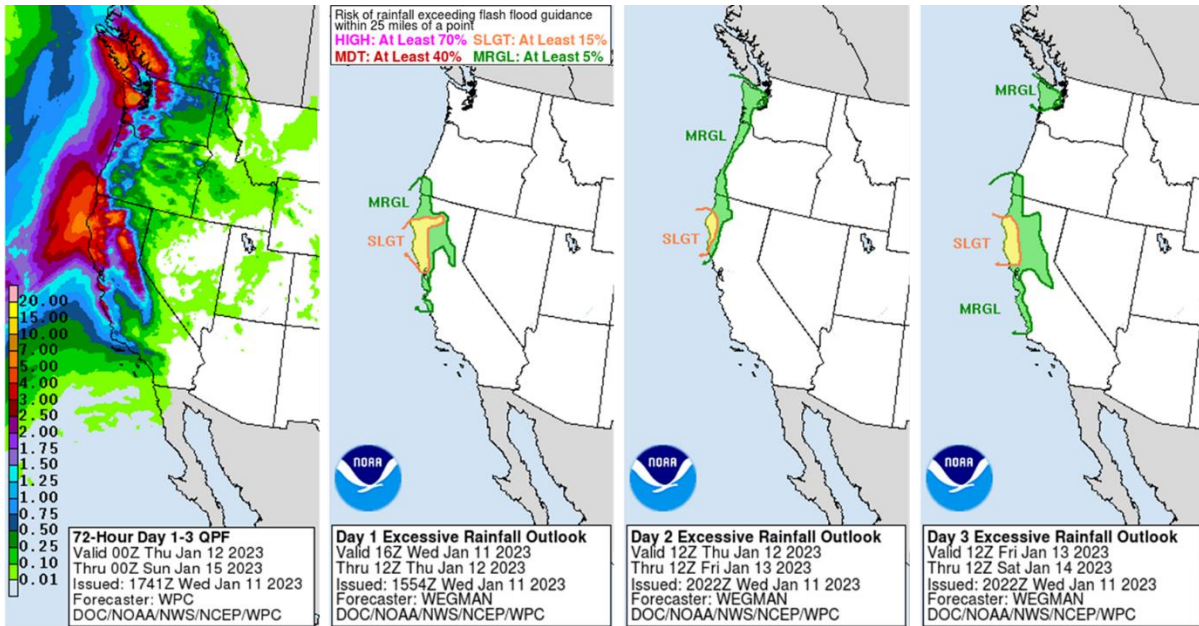
- A strong AR is currently making landfall in Central California and is forecast to bring AR conditions to coastal Central and Northern California, Oregon, and Washington through late Friday night with IVT > 1,000 kg/m s in the core of the AR
- The 06Z GEFS control is currently forecasting AR 3/AR 4 conditions over the US West Coast extending from Central California to Northern Washington during this period of sustained AR conditions, with primarily southerly IVT
- This system will be followed by weaker second and third ARs which are forecast to make landfall in Central and Southern California early Saturday through late Monday
- A fourth AR is currently forecast to make landfall in Northern California and the Pacific Northwest next Tuesday into Wednesday, although considerable forecast uncertainty remains
- The NWS Weather Prediction Center is forecasting 3–7 inches of precipitation in the Coast Ranges of Northern California, Northern Sierra Nevada, Klamath Mountains, and Northern Cascades with the potential for > 7 inches in the Olympic Mountains over the next three days
- The NWS WPC is also forecasting a slight risk (at least 15%) for excessive rainfall in the northern California Coast Ranges and the Klamath Mountains today through early Saturday, in addition to a region of marginal risk (at least 5%) in that area today, extending up the coast of Oregon and Washington on Thursday, and for a broad region in the northern California Coast Ranges and Olympic Peninsula on Friday.
- The NWS California Nevada River Forecast Center has forecast multiple rivers in the Coast Ranges of Northern and Central California to exceed flood stage over the next 5 days during this period of extended AR activity
- Flood Watches have been issued for the northern Coast Ranges in California and the Northern Sierra Nevada in association with the first long-duration AR

**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**



Stay tuned to the CW3E webpage for a full AR Update



Visit [weather.gov](https://www.weather.gov) and [cnrfc.noaa.gov](https://www.cnrfc.noaa.gov) for point specific forecast and updated streamflow guidance

In-depth AR forecast products can be found here:  
<https://cw3e.ucsd.edu/iwv-and-ivt-forecasts/>

Update provided by S. Bartlett  
[smbartlett@ucsd.edu](mailto:smbartlett@ucsd.edu)

Stay tuned to the CW3E webpage for a full AR Update