

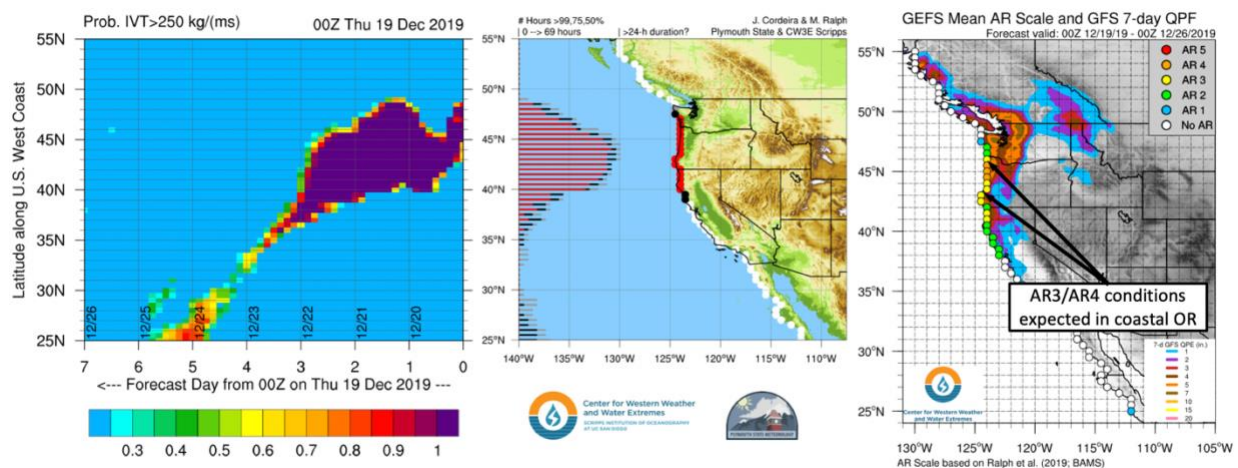
Latest Update on Atmospheric River Impacting the Pacific Northwest

Updated: 19 December 2019

A look into the atmospheric river (AR) that will impact the Pacific Northwest over the next 2–3 days.

Forecast Highlights:

- A landfalling AR will bring a prolonged period of AR conditions to coastal Northern California and Oregon through Saturday, 21 December
- GEFS 00z 19 Dec run suggests that some locations along the Oregon coast could experience AR4 conditions (maximum IVT > 500 kg m⁻¹ s⁻¹; duration > 48 hours)
- Interior portions of the Pacific Northwest, including eastern Oregon, eastern Washington, and northern Idaho, are also expected to experience AR conditions for at least 24 hours
- The long duration of this event will result in heavy rainfall (at least 2–7 inches) across northwestern California, western Oregon, and western Washington, as well as heavy snowfall (at least 1 foot) in the North Cascades
- Locally higher rainfall amounts (> 7 inches) are possible in the Oregon Coast Ranges, the Olympic Mountains, and the Washington Cascades
- About 1–3 inches of precipitation are forecast in eastern Washington, northern Idaho, and northwestern Montana, with higher amounts possible over the Rocky Mountains
- Other potential hazards associated with this storm include high winds (gusts > 55 mph possible) along the Oregon and Washington coasts, river flooding, and urban and small stream flooding



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/>

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Stay tuned to the CW3E webpage for a full AR Update