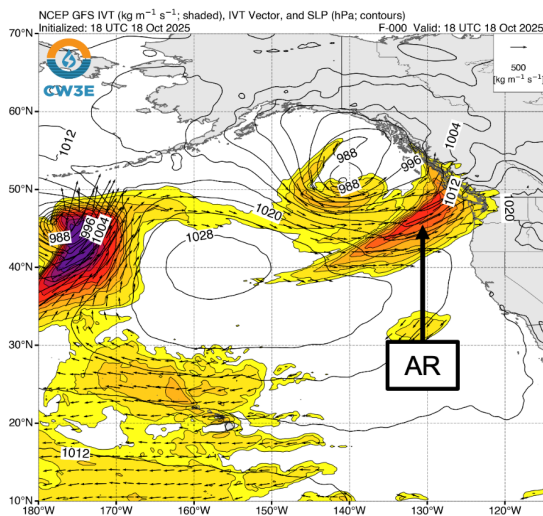


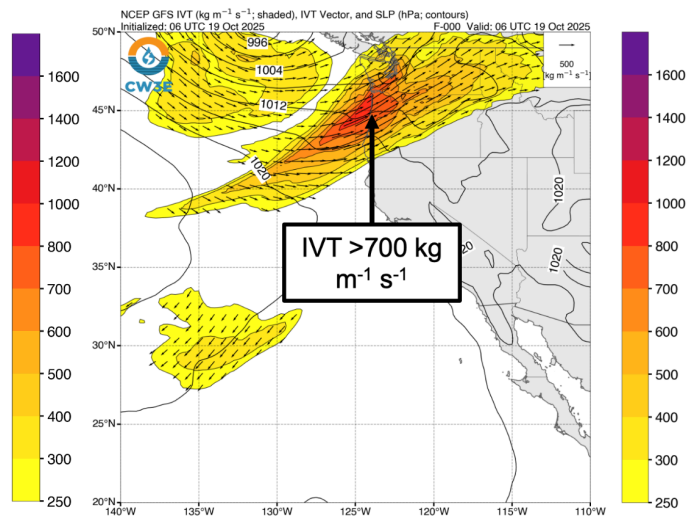
Quick Summary of Last Weekend's Atmospheric River in the Pacific Northwest *Updated: 23 October 2025*

- An atmospheric river (AR) associated with a narrow corridor of moisture extending from the central Pacific Ocean made landfall over Washington early Sat 18 Oct.
- The core of the AR brought moderate AR conditions ($\text{IVT} \geq 500 \text{ kg m}^{-1} \text{ s}^{-1}$) to coastal Washington and strong AR conditions ($\text{IVT} \geq 750 \text{ kg m}^{-1} \text{ s}^{-1}$) to northern coastal Oregon.
- While the AR duration over the Pacific Northwest was relatively short-lived (<36 hours), GEFS analyses indicated an AR 2 (based on the Ralph et al. 2019 AR Scale) in coastal Washington and northern coastal Oregon.
- The heaviest precipitation occurred in the Olympic Mountains and Washington Cascades, where about 2–4 inches fell during the 48-hour period ending at 5 am PDT Mon 20 Oct.
- About 0.5–1.5 inches of precipitation fell across much of the lowlands of western Washington, the northern Oregon Coast Ranges, and the northern Oregon Cascades.
- High freezing levels significantly limited snowfall accumulations in the Olympic Mountains and much of the Cascades. The higher terrain in the North Cascades received an estimated 6–18 inches of total snow.

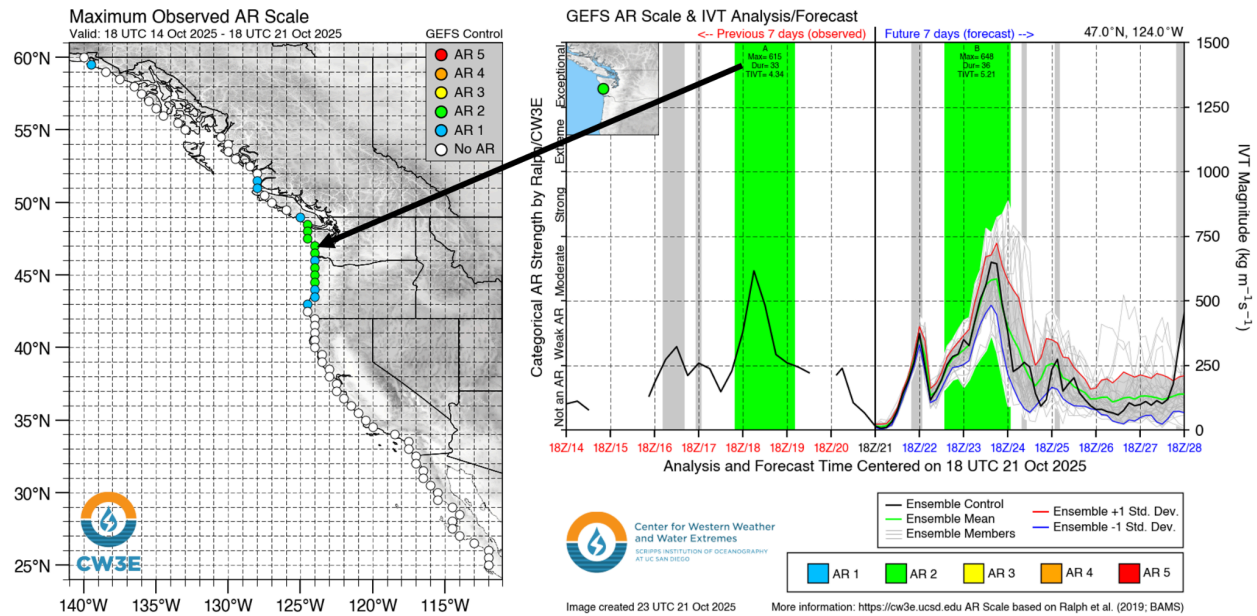
**GFS IVT & SLP Analysis
Valid 11 AM PDT 18 Oct**



**GFS IVT & SLP Analysis
Valid 11 PM PDT 18 Oct**

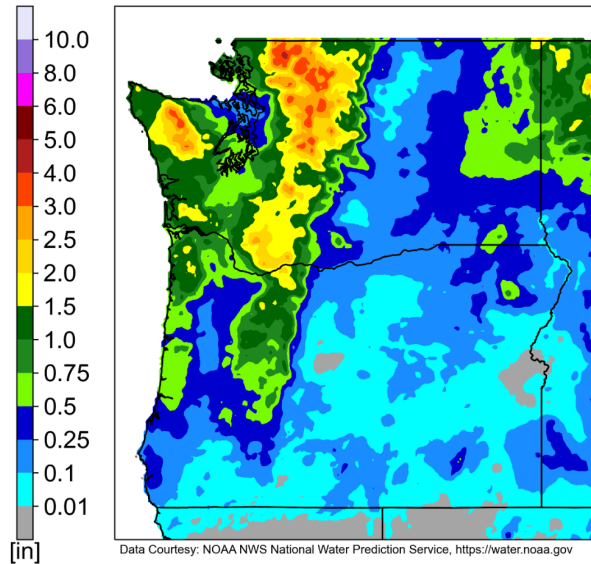


GEFS Control AR Scale Analysis



NWS Stage IV 48-h QPE

Valid: 5 AM PDT 20 Oct 2025



NWS 48-h Snowfall Analysis

Valid: 5 AM PDT 20 Oct 2025

