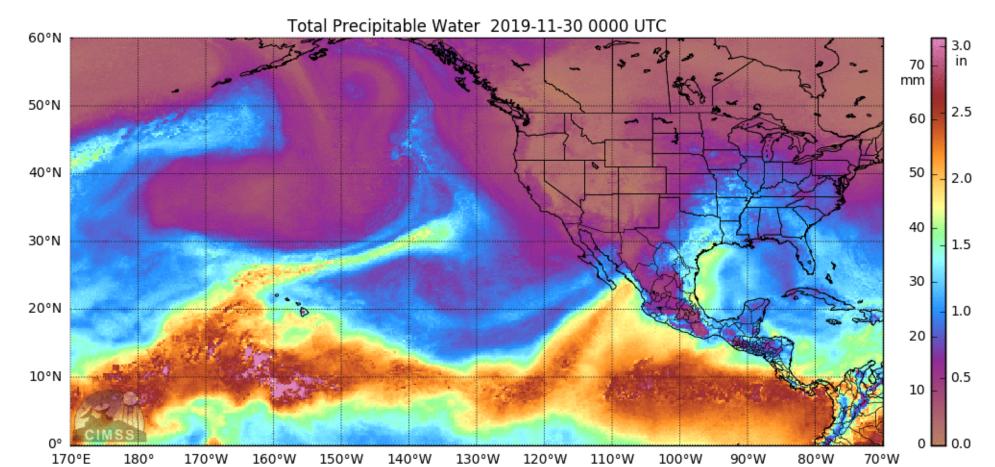


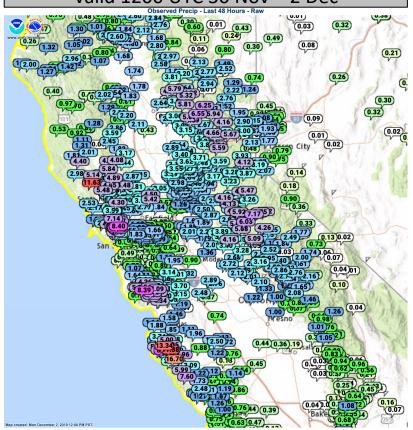
A long-duration AR helped produce heavy rainfall and mountain snowfall in central and northern CA

- The AR was associated with a midlatitude cyclone that stalled over the Northeast Pacific Ocean
- Precipitation amounts exceeded 5 inches in some parts of the California Coast Ranges and Sierra Nevada
- Higher elevations in the Sierra Nevada received more than 2 feet of snow

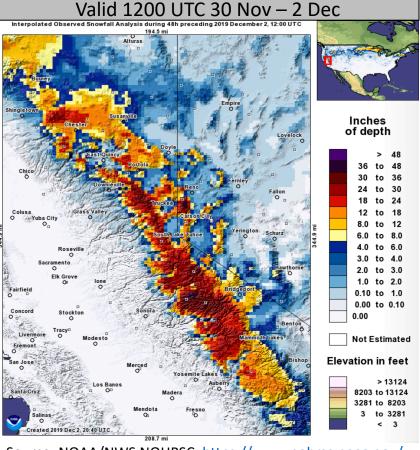




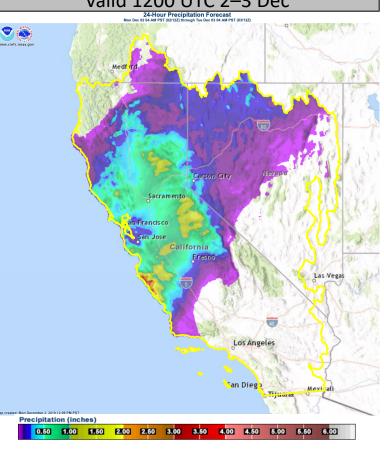
48-h Observed Precipitation (Raw):Valid 1200 UTC 30 Nov – 2 Dec



48-h Interpolated Snowfall:



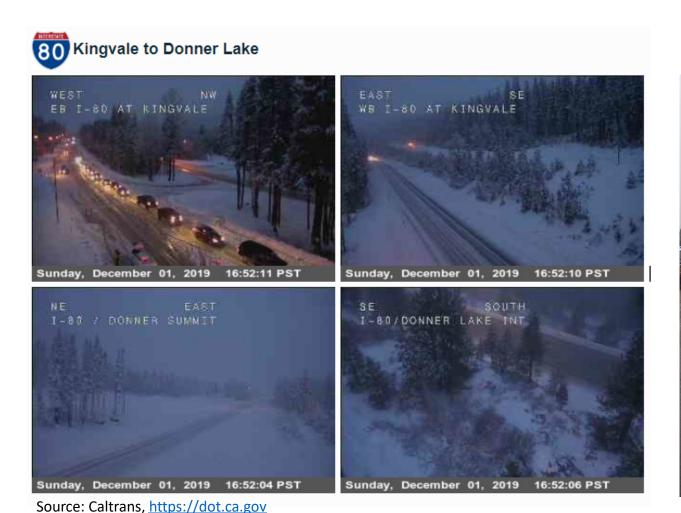
CNRFC 24-h QPF: Valid 1200 UTC 2–3 Dec



Source: NOAA/NWS CNRFC, https://www.cnrfc.noaa.gov/ Source: NOAA/NWS NOHRSC, https://www.nohrsc.noaa.gov/

- Sections of the central CA Coast Range and Sierra Nevada have received > 5 inches of precipitation during the past 48 hours
- A few stations in central CA have recorded > 10 inches of rainfall
- An estimated 2-3 feet of snow has fallen over parts of the Sierra Nevada (primarily above 8,000 feet)
- Additional precipitation amounts of 0.5 2 inches are expected throughout much of central and northern CA



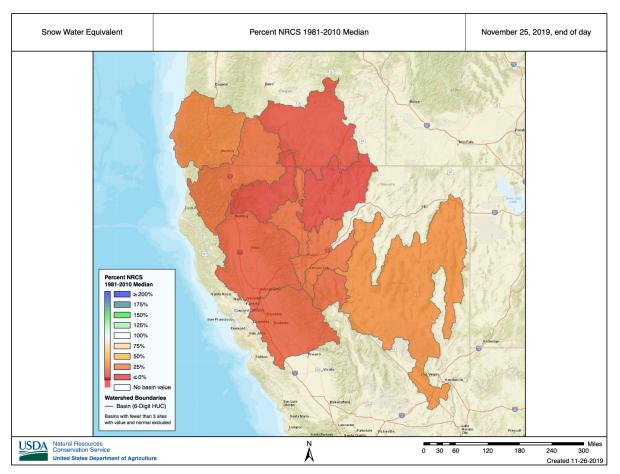


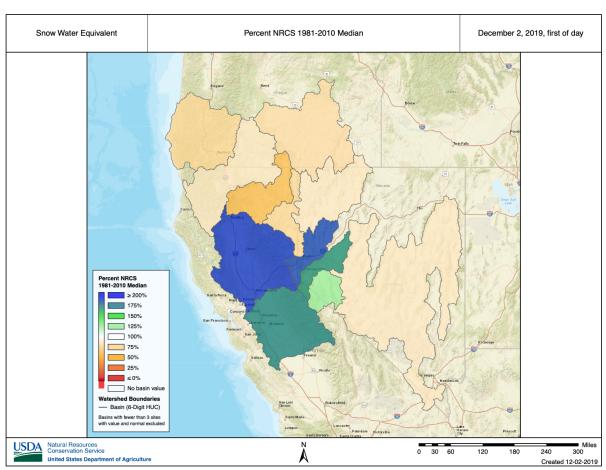
US-50 near Echo Summit

Source: Caltrans, https://dot.ca.gov

- Heavy snowfall resulted in treacherous road conditions and chain controls on Interstate 80 and US-50 over mountain passes
- Travel on US-50 was reduced to one-way traffic for several hours on 2 Dec due to a rock slide near Echo Summit

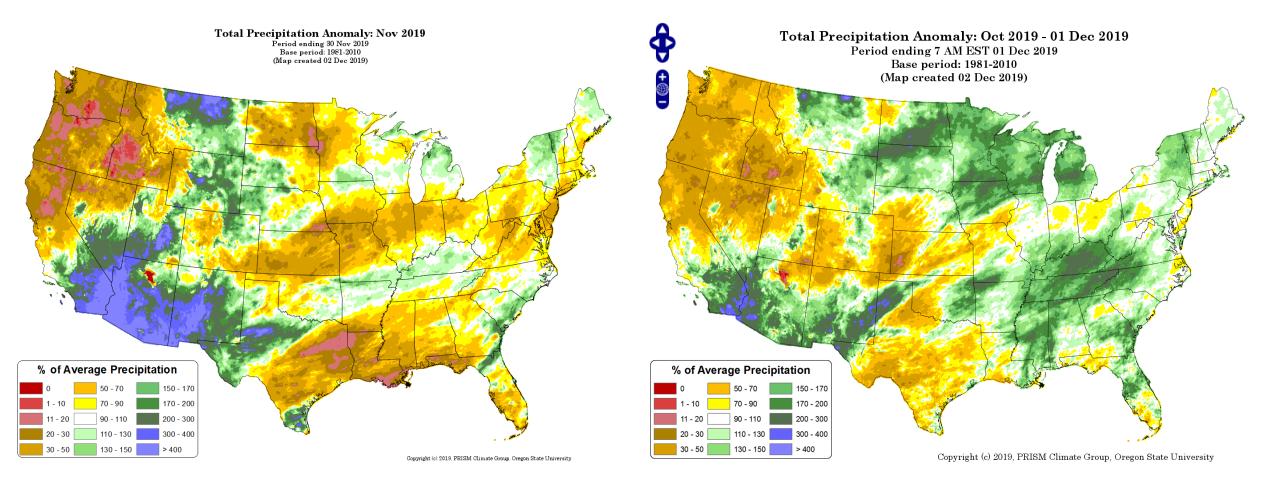






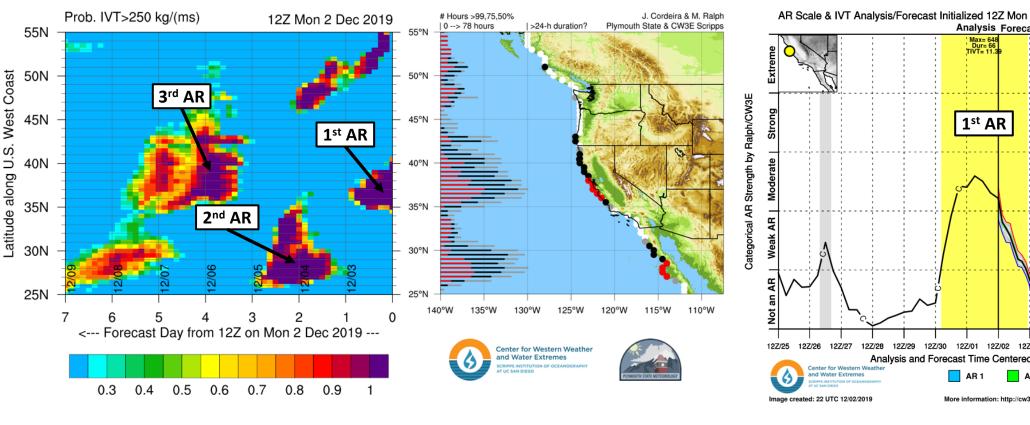
- Heavy precipitation during the past 7 days has resulted in a significant increase in SWE across northern CA and western NV
- On 25 Nov, SWE was less than 25% of the 1981-2010 median value
- As of early morning 2 Dec, SWE was more than 100% of the 1981–2010 median over the San Joaquin, Lower Sacramento, Truckee, Carson, and Walker Basins

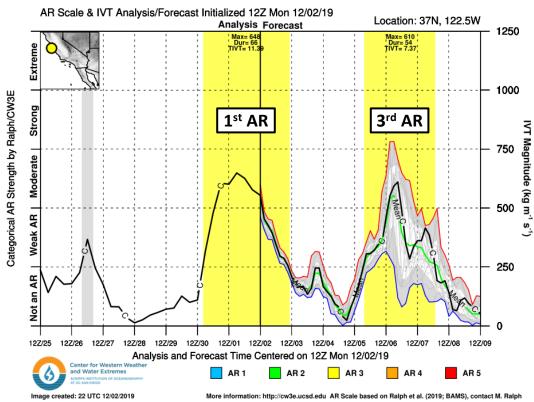




- Total monthly precipitation in November was > 200% of normal across much of the southwestern U.S., with amounts > 400% of normal over the Sonoran Desert
- Despite the recent wet period, November was abnormally dry (< 50% of normal monthly precipitation) in northern CA
- As of 1 Dec, total water year precipitation remains below normal over northern CA, northern NV, and the Pacific Northwest







- The AR currently impacting CA will verify as an AR3 (based on the Ralph et al. (2019) AR Scale) near Monterey Bay, CA
- Looking ahead, multiple landfalling ARs are very likely to impact California and the Baja Peninsula over the next 5 days
- The 3rd AR is currently forecast to bring AR3 conditions (max IVT > 500 kg m⁻¹ s⁻¹; duration > 48 hours) once again to central CA