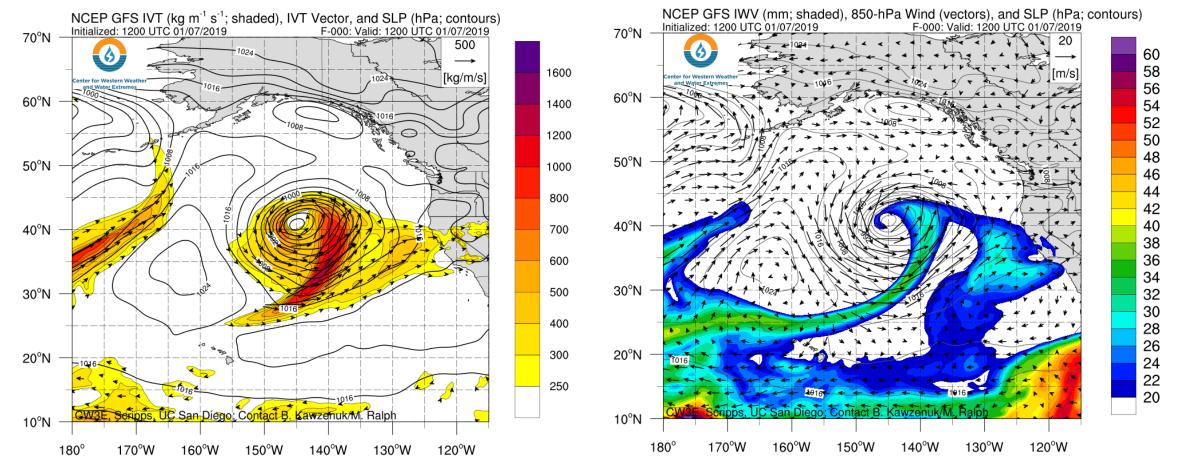
CW3E Atmospheric River Outlook

For California DWR's AR Program Center for Western Weather and Water Extremes scripps institution of oceanography at uc san diego

Continued AR Activity Forecast for the USWC Over the next Several Days

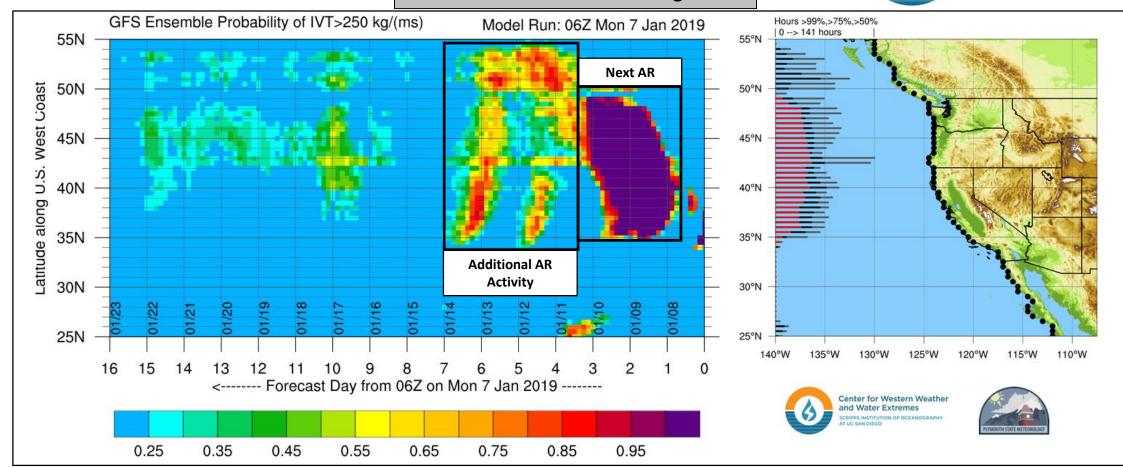
- A potentially moderate AR is forecast to make landfall over northern CA
- AR conditions are currently forecast to last >24 hours over coastal locations north of 35°N latitude
- As much as 6 inches of precipitation could fall over the higher elevations of Northern California over the next 72-hours
- Additional ARs forecast to make landfall between 11 and 14 January bringing more precipitation to the USWC
- The additional ARs could bring precipitation to Southern CA with the 6-day NWS CNRFC predicting .5-3 inches



For California DWR's AR Program

Center for Western Weather and Water Extremes

SCRIPPS INSTITUTION OF OCEANOGRAPHY AT UC SAN DIEGO



Odds of AR Conditions Along Coast

The GEFS is indicating a high probability (>95%) of AR conditions (IVT >250 kg m⁻¹ s⁻¹) for an extended period over WA, OR, and N. CA

There is a high probability that AR conditions will last for >24 hours between 49°N and 35°N along the coast

35–90% of GEFS ensemble members are predicting AR conditions over much of the U.S. West Coast within the next two potential ARs between 11 and 14 January 2019

For California DWR's AR Program

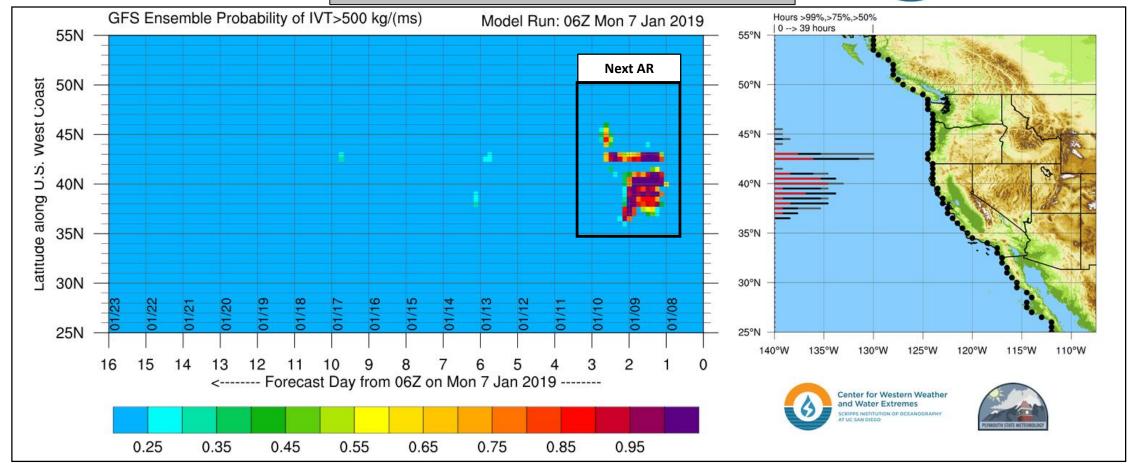


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Odds of Moderate AR Conditions Along Coast



There is also a high probability of moderate AR conditions (IVT >500 kg m⁻¹ s⁻¹) over Norther California and Southern Oregon for ~24 hours between 8 and 10 January 2019

For California DWR's AR Program



Center for Western Weather and Water Extremes

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Extreme

trong

Moderate

Veak AR

06Z/14

Ralph/CW3E

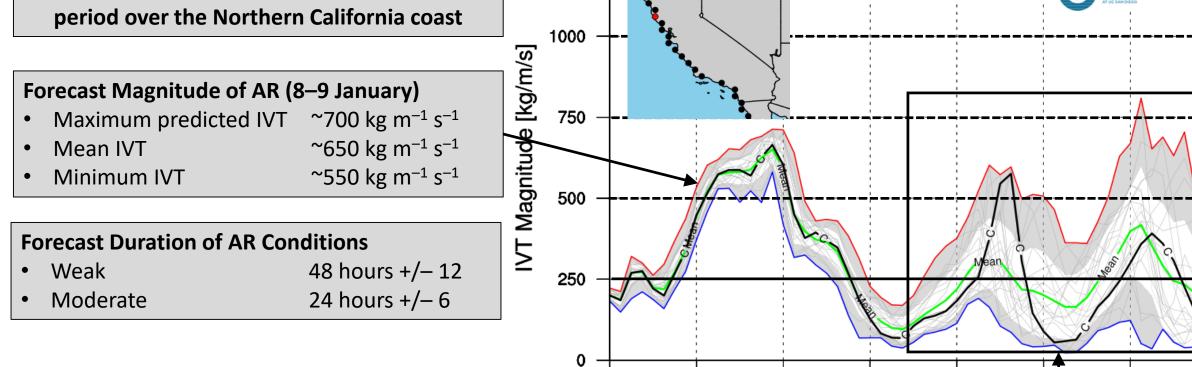
Strength by

Categorical AR

LatLon: 39N;123.5W

GFS Ensemble Init: 06Z Mon 01/07/19 The GEFS is currently forecasting potentially 1250

moderate AR conditions for an extended period over the Northern California coast



06Z/07

06Z/08

06Z/09

While forecast certainty is currently low, the GEFS is predicting potentially moderate to strong AR conditions within 2 ARs from 11–14 **January 2018**

Forecast time from 06Z Mon 01/07/19

06Z/11

06Z/12

06Z/13

06Z/10

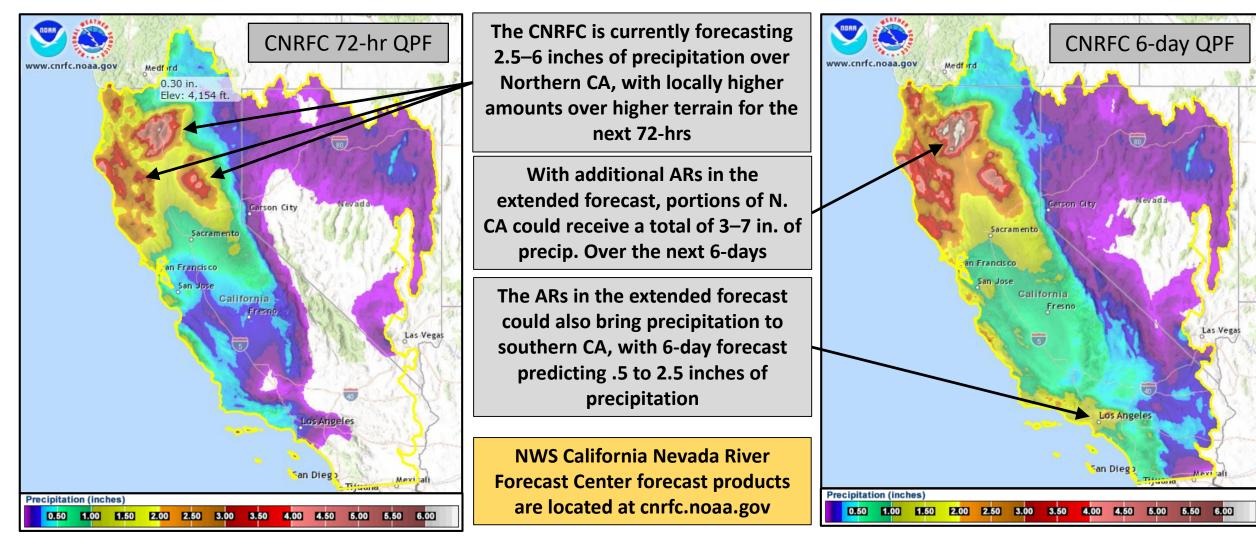


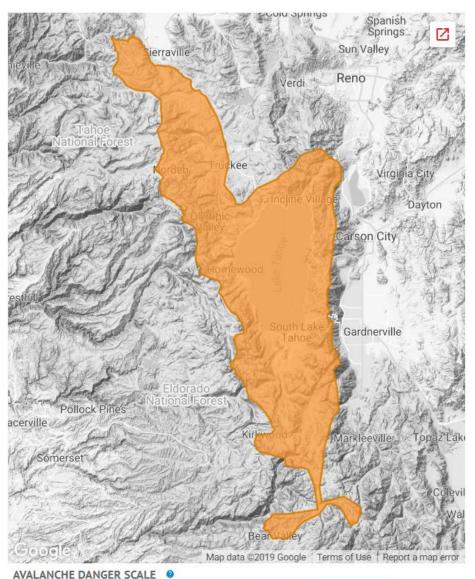




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No Ratin Info Available Considerable Extreme





Center for Western Weather and Water Extremes SCRIPPS INSTITUTION OF OCEANOGRAPHY

Due to recent snowfall and the forecast snowfall associated with the impending AR, the Sierra Avalanche Center has issued an Avalanche Warning for the mountains surround Lake Tahoe

Additional information regarding avalanche warnings and forecasts can be found at www.sierraavalanchecenter.org



SIERRA AVALANCHE CENTER

Backcountry Avalanche, Snow, and Weather Information for the greater Lake Tahoe area

In partnership with:

BOTTOM LINE

CONSIDERABLE avalanche danger exists at all elevations throughout the forecast region due to wind slab and storm slab avalanche problems. Dangerous avalanche conditions exist with the potential for large destructive avalanches today.

