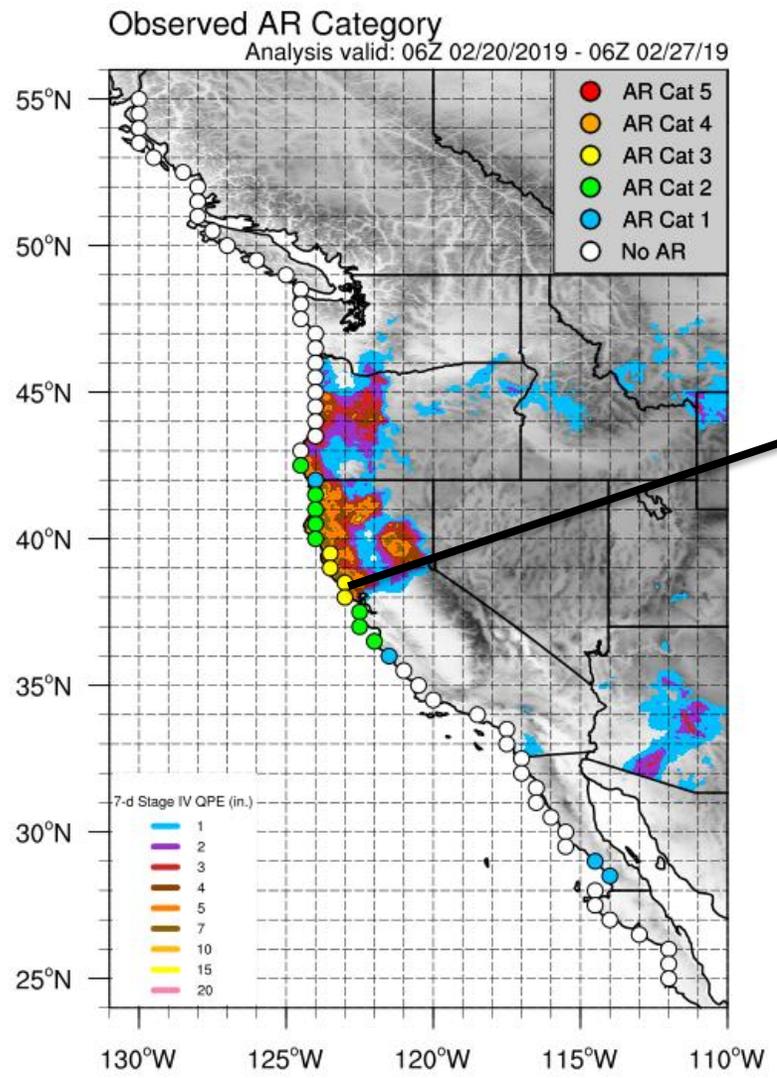


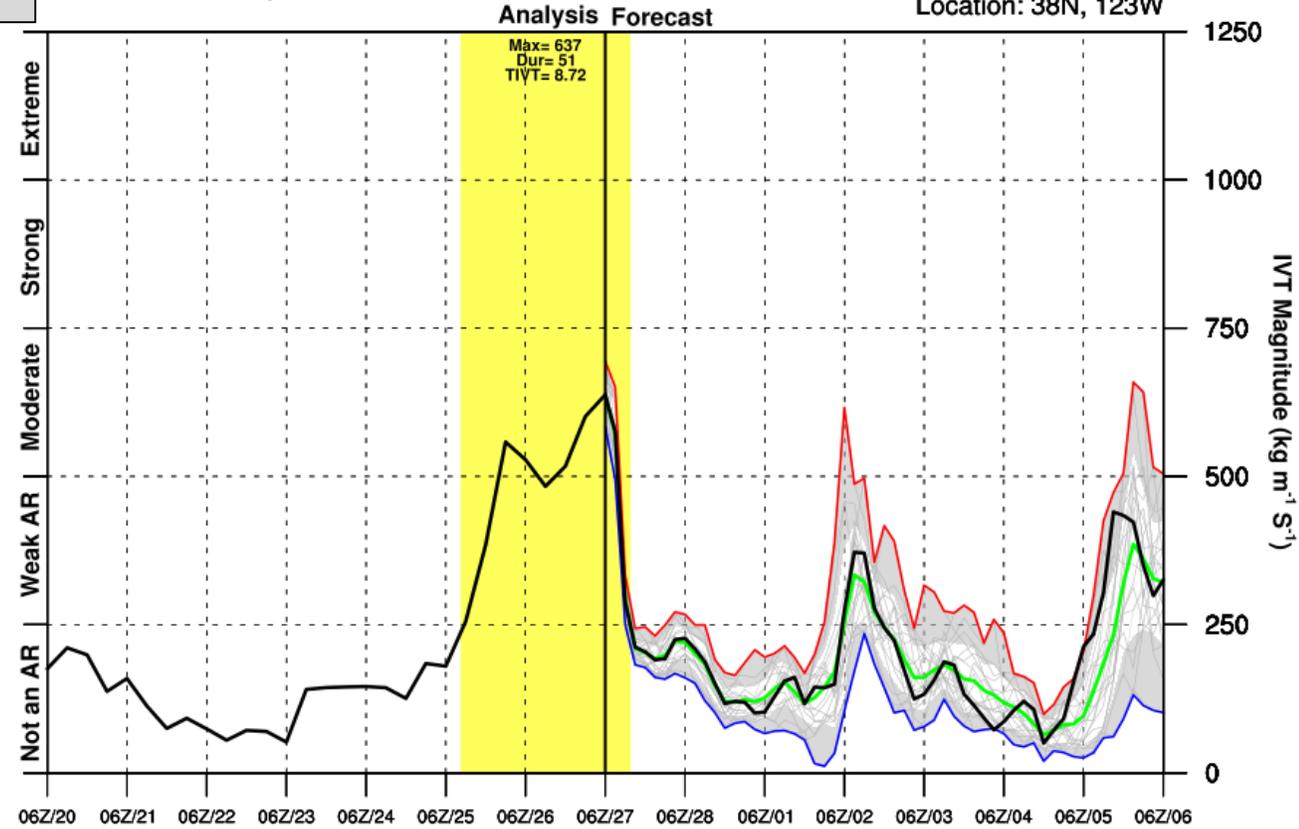
# AR Preliminary Summary: 27 Feb 2019

AR Cat & IVT Analysis/Forecast Initialized 06Z Wed 02/27/19

Location: 38N, 123W



Categorical AR Strength by Ralph/CW3E



Analysis and Forecast Time Centered on 06Z Wed 02/27/19



AR Cat 1 AR Cat 2 AR Cat 3 AR Cat 4 AR Cat 5

Image created: 16 UTC 02/27/2019

More information: <http://cw3e.ucsd.edu> AR Cat Scaling based on Ralph et al. (2019; BAMS), contact M. Ralph

**During 25-27 Feb, the San Francisco Bay Area experienced AR Cat 3 conditions and the remainder of coastal Northern and Central CA experienced an AR Cat 2 event.**



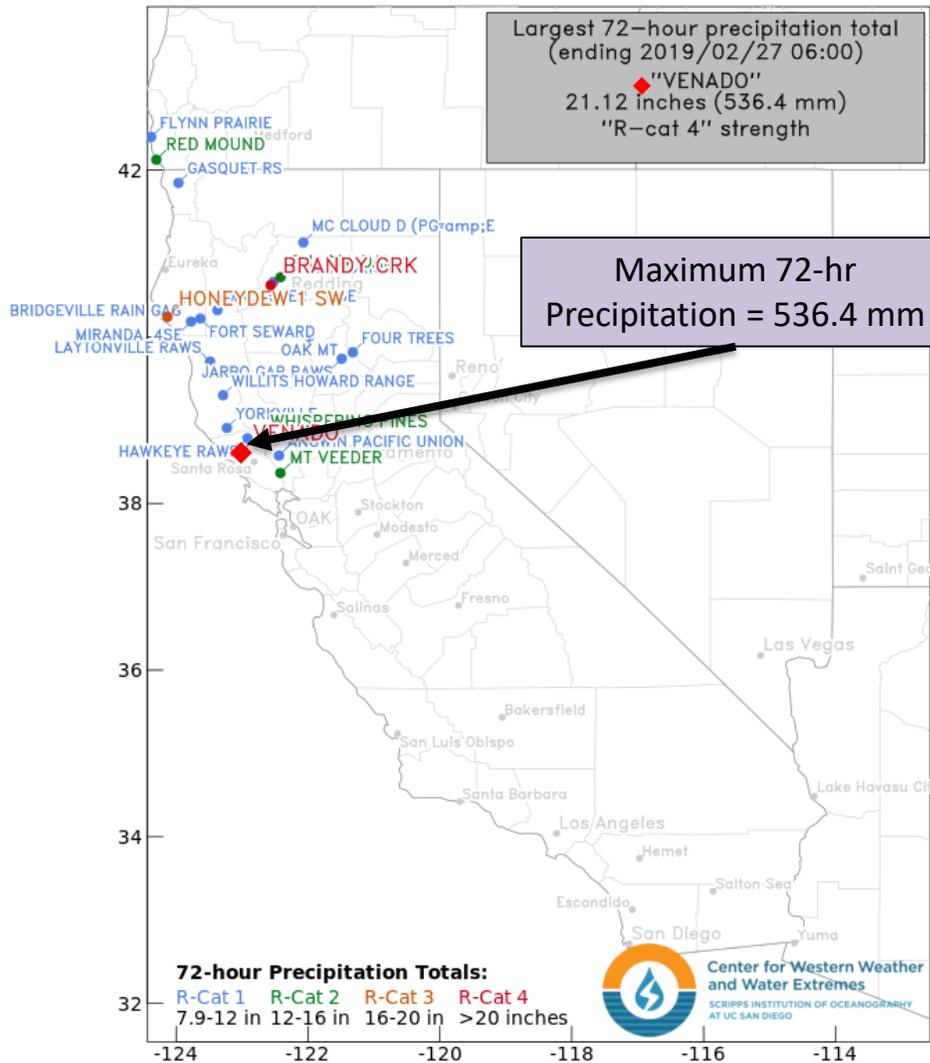
Center for Western Weather and Water Extremes

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AR Cat from Ralph et. al. 2019, BAMS

# AR Preliminary Summary: 27 Feb 2019

R-Cat report produced 2019/02/27 08:27



Twenty three rain gauges in northern CA and southern OR experienced at least a R-Cat 1 event over the past 72 hours.

Two locations (Venado, CA and Brandy Creek, CA) observed R-Cat 4 events (>500 mm), one location observed R-Cat 3 (400-500 mm), four locations observed R-Cat 2 (300-400), and 16 locations observed R-Cat 1 events (200-300 mm) over the past 72 hours.

The highest 72-hour accumulated precipitation, observed at Venado, CA near the Russian River, was 536.4 mm (21.12 inches). Daily accumulations over the past three days at this locations were 10.2 mm (25 Feb), 232.7 mm (26 Feb), and 293.6 mm (27 Feb).

To subscribe to this automated CW3E R-Cat Extreme Precipitation Alert via email: just email a message with subject "subscribe" to [rcatalert@cirrus.ucsd.edu](mailto:rcatalert@cirrus.ucsd.edu).

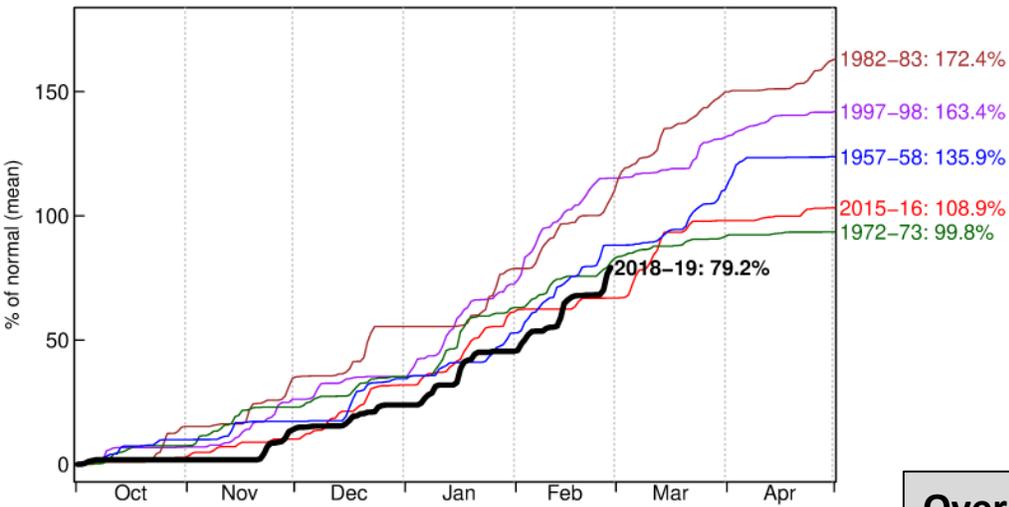


Center for Western Weather  
and Water Extremes

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AT UC SAN DIEGO

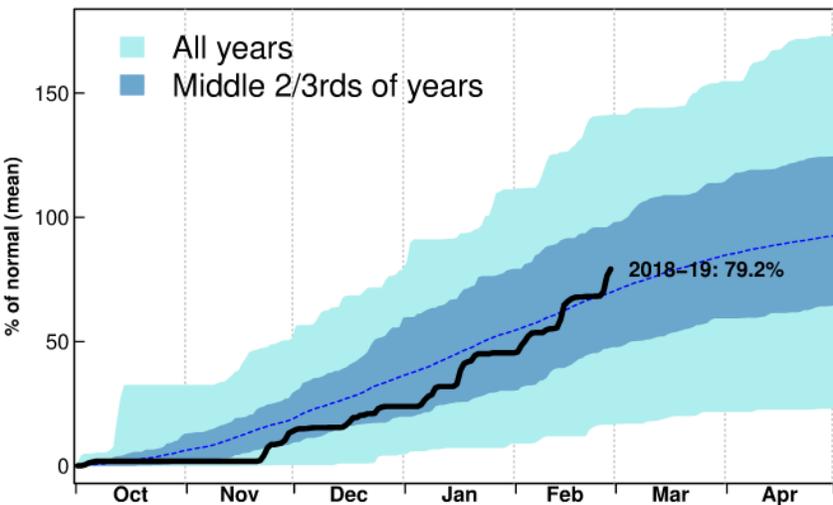
# AR Preliminary Summary: 27 Feb 2019

8\_sta\_index precip vs. 5 strongest El Ninos, data through 2019/02/27



Current:	79.1%	1-day $\Delta$ :	2.62%	2-day $\Delta$ :	9.01%	3-day $\Delta$ :	10.79%
-----							
(1977/02/27)							
Rec_low:	16.6%	50-ptile:	0.32%	50-ptile:	0.59%	50-ptile:	0.90%
Typ_low:	47.7%	90-ptile:	2.28%	90-ptile:	3.91%	90-ptile:	5.26%
Mean:	69.8%	95-ptile:	3.23%	95-ptile:	5.36%	95-ptile:	7.24%
Typ_high:	96.9%	99-ptile:	5.20%	99-ptile:	8.89%	99-ptile:	11.22%
Rec_high:	141.3%	Record:	9.15%	Record:	16.10%	Record:	21.59%
(2017/02/27)		(1986/02/17)		(1986/02/18)		(1986/02/19)	

8\_sta\_index precip for all years, data through 2019/02/27



Over the past 48-hours the Northern Sierra 8-Station Index has received 9.01% of water year total precipitation. This two day change represents a greater than 99<sup>th</sup> percentile precipitation event.

The three day precipitation change from this event represents between a 95<sup>th</sup> and 99<sup>th</sup> percentile event.

After this event the 8-Station index has received 79.2% of normal water year precipitation so far this water year.

