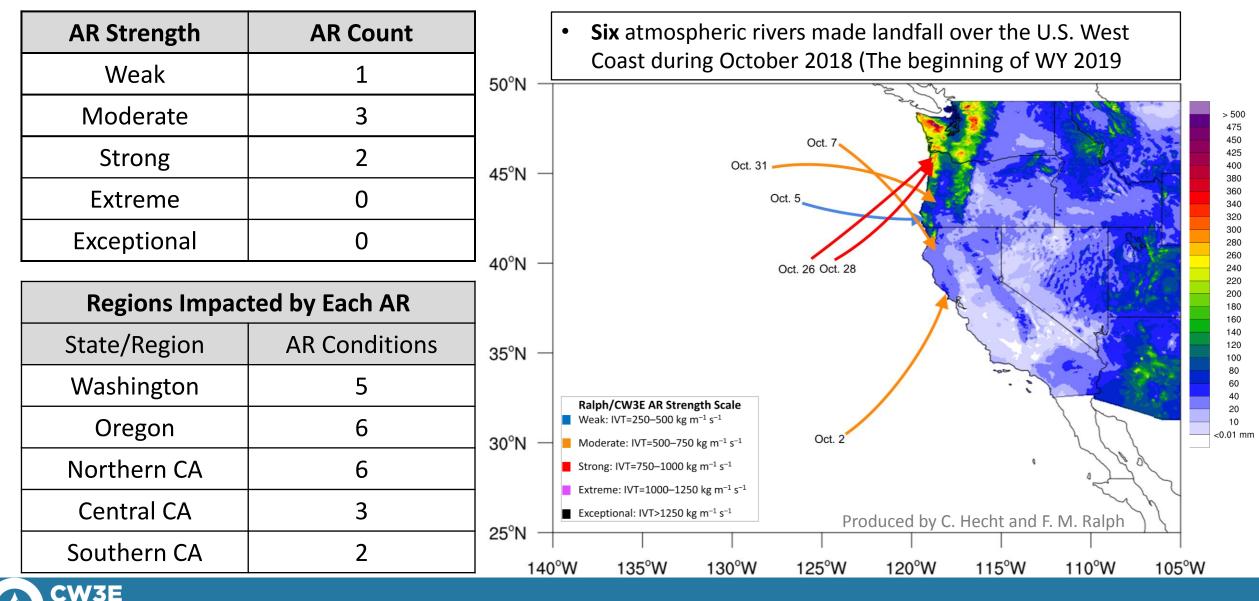
## Water Year 2019: October Atmospheric Rivers

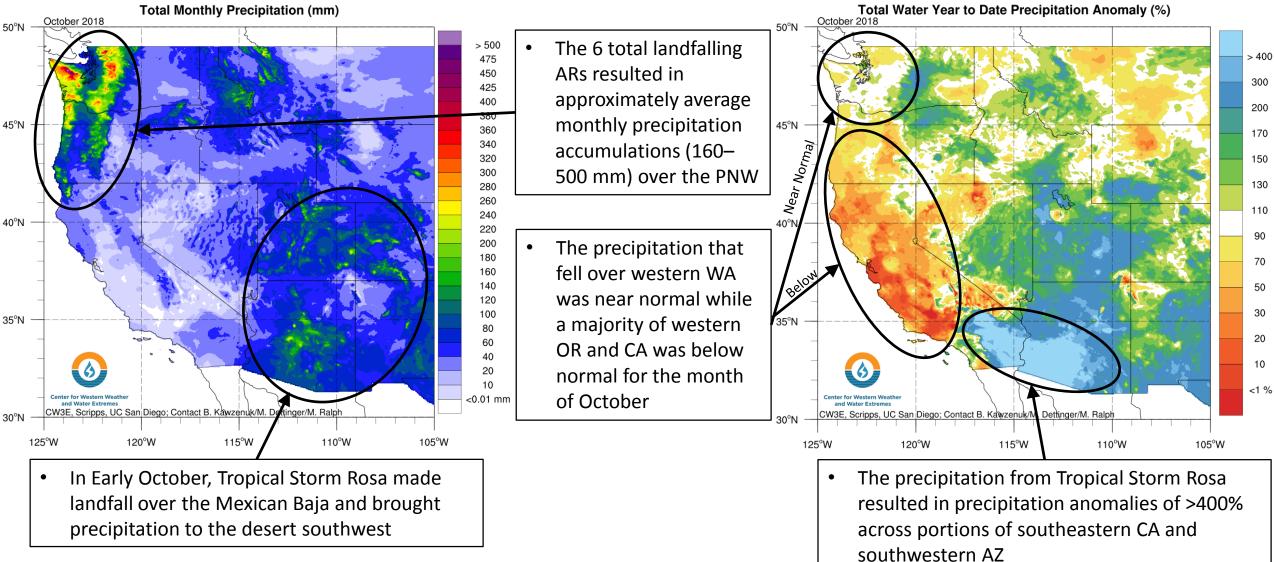




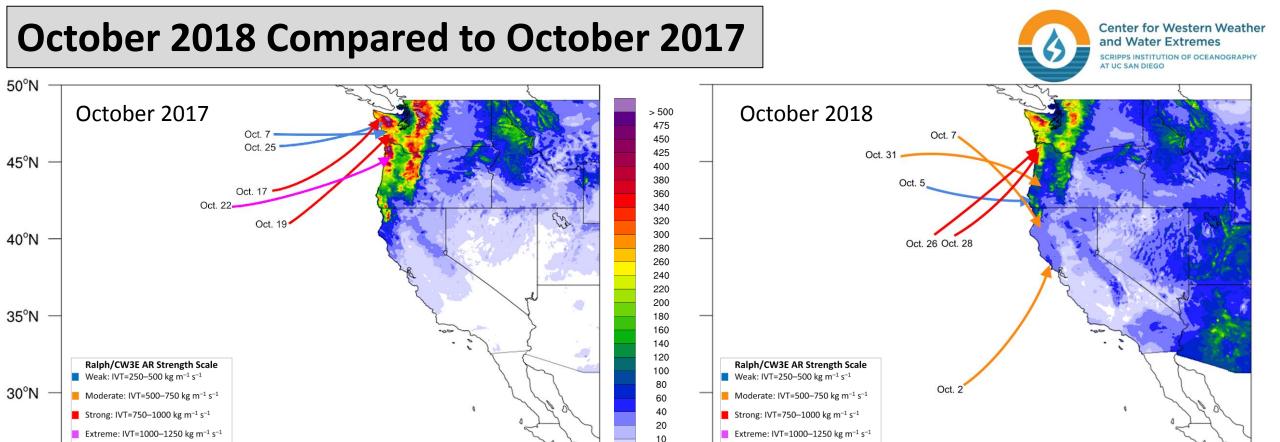
## Center for Western Weather and Water Extremes

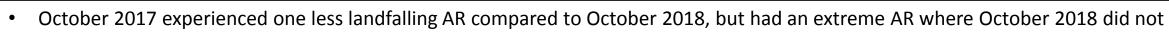
## **October 2018 Precipitation**











110°W

• The ARs during October 2017 were all strongest over the Pacific Northwest (PNW; Washington and Oregon)

115°W

Produced by C. Hecht and F. M. Ralph

120°W

- A larger majority of the ARs during Oct. 2018 were northwesterly orientated and encroached over a persistent high pressure system located over the eastern Pacific
- These factors resulted in higher precipitation accumulations over the Cascade, Coastal and Olympic Mountains of the PNW during Oct. '17

<0.01 mm

140°W

Exceptional: IVT>1250 kg m<sup>-1</sup> s<sup>-1</sup>

135°W

130°W

125°W

120°W

Produced by C. Hecht and F. M. Ralph

110°W

105°W

115°W



Exceptional: IVT>1250 kg m<sup>-1</sup> s<sup>-1</sup>

140°W

135°W

130°W

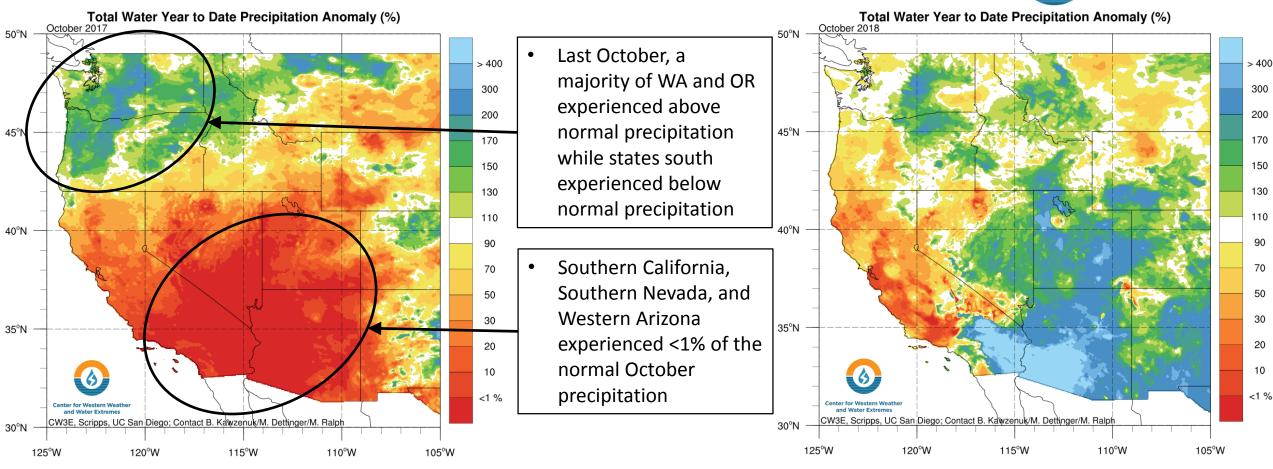
125°W

25°N

145°W

## **October 2018 Compared to October 2017**

Center for Western Weather and Water Extremes Scripps INSTITUTION OF OCEANOGRAPHY AT UC SAN DIEGO



When comparing this October to last October, Southern California has gotten off to a better start (Thanks to tropical Storm Rosa), parts of Central California were similar, Northern California was slightly wetter, and the Pacific North West was drier than last October

