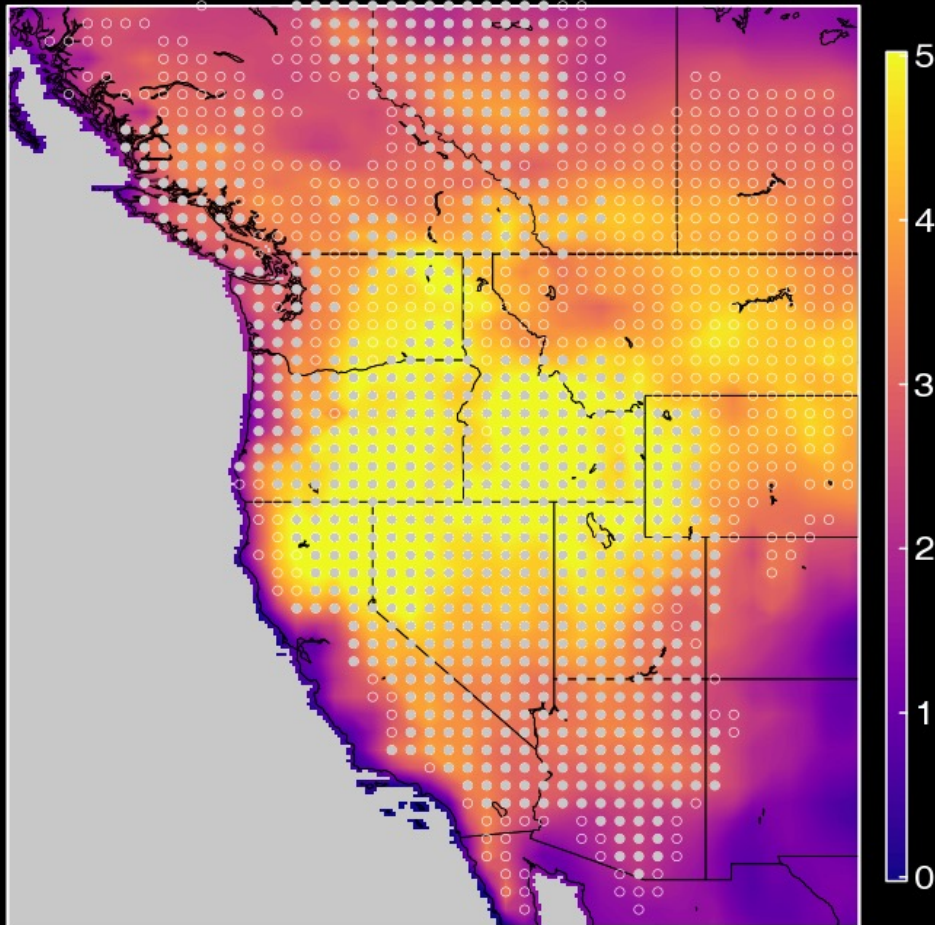


The Abnormally Hot June 2021 in the Western U.S.: A MERRA-2 Perspective

T anomaly ($^{\circ}\text{C}$), June 2021



In late June 2021, an extreme heat wave occurred over much of the western United States and southwestern Canada.

Using MERRA-2 daily mean near-surface temperature data, a spatial pattern of near-surface temperature anomaly of June 2021 is shown, relative to the previous 40 years (1981-2020). The frequency distribution of the areas with temperature greater than the 99th percentile are shown as closed circles and between 95th and 99th percentiles as open circles.