

Rural Air Quality in Sanpete Valley

Ephraim Utah is located in Sanpete valley in central Utah. It is a rural area with a focus on farming and agriculture. Measurements of standard air quality indicators and criteria pollutants (O₃, SO₂, NO_x, CO, and PM 2.5) were collected starting in December 2020 on the campus of Snow College. Significant weather events were recorded and investigated for influences on the air quality. General trends in air quality are analyzed for the 3 months of data. Air parcel back-trajectories using HYSPLIT were used to evaluate regional sources for air pollution episodes.