

The figure is a scatter plot showing the evolution of the color index (g-r, g-i, g-z) over time (MJD) for a source. The x-axis represents time in MJD, ranging from approximately 5630 to 5740. The y-axis represents the color index, ranging from 0.0 to 1.0. Data points are color-coded: purple for g-r, blue for r-i, green for i-z, and orange for z-r. The plot shows several distinct clusters of points, indicating periods of relatively stable color index values, separated by periods of rapid change. Notable features include a sharp increase in the g-r index around MJD 5635, a cluster of points around MJD 5660, and a sharp decrease in the g-r index around MJD 5700.

