

The figure is a scatter plot showing the time evolution of the color index $g-r$ for a source. The x-axis represents time in Modified Julian Days (MJD), ranging from approximately 56300 to 57400. The y-axis represents the color index $g-r$, ranging from 0.0 to 1.5. The data points are color-coded according to the filter used for observation: g (purple), r (cyan), i (green), and z (orange). The plot shows several distinct clusters of points, indicating periods of relatively stable color index, with some outliers at lower $g-r$ values around MJD 56350 and 56600.

