

The figure is a scatter plot showing the evolution of the color index $g-r$ over time [MJD]. 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 1.0. The data points are color-coded according to the filter used: g (purple), r (cyan), i (green), and z (orange). The plot shows four distinct clusters of data points, each corresponding to a different filter. The g filter (purple) shows the highest $g-r$ values, while the z filter (orange) shows the lowest. The r (cyan) and i (green) filters show intermediate values. The data points are scattered within each cluster, indicating variability in the color index over time.

