

The figure is a scatter plot showing the time evolution of the color index (g-r) for a sample of 1000 galaxies. The x-axis is labeled 'time [MJD]' and ranges from 56300 to 57400. The y-axis is labeled 'g-r' and ranges from 0.0 to 1.0. The data points are colored according to their redshift (z), with a legend in the top-left corner indicating: g (purple), r (blue), i (green), and z (orange). The plot shows a dense distribution of points, with a notable increase in the number of points at later times (around 57000 MJD and beyond). There are several outliers, particularly at higher redshifts (z) and later times, where the g-r index is significantly higher than the main cluster.

