

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): g (purple), r (cyan), i (green), and z (orange). The plot shows three distinct clusters of points at different times, with a significant gap between 56700 and 57100 MJD. The color index generally increases with time, indicating reddening.

