

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 the redshift (z) of the galaxies, as indicated by the legend in the top right corner: g (purple), r (cyan), i (green), and z (orange). The plot shows four distinct clusters of points at approximately MJD 56300, 56600, 57000, and 57400. The g-r index generally increases with time, with a notable jump around MJD 57000. A legend in the top right corner identifies the color bands.

