

The figure is a scatter plot showing the time evolution of the color index  $r-i$  for a sample of 1000 galaxies. The x-axis represents time in Modified Julian Days (MJD), ranging from 56300 to 57400. The y-axis represents the color index  $r-i$ , ranging from 0.0 to 1.0. The data points are colored according to their redshift: purple for  $r$ , blue for  $i$ , and green for  $z$ . The plot shows a general trend of decreasing  $r-i$  over time, with a significant increase in  $r-i$  for galaxies at redshift  $z$  around 57300 MJD.

