

The figure is a scatter plot showing the time evolution of the color index (g-r) for a source. The x-axis is labeled 'time [MJD]' and ranges from 5630 to 5740. The y-axis is labeled 'g-r' and ranges from 0.0 to 1.0. The data points are colored according to the filter used: g (purple), r (cyan), i (green), and z (orange). The plot shows four distinct clusters of points at approximately MJD 5635, 5655, 5700, and 5735. The g-r index is generally between 0.2 and 0.4, with some outliers reaching up to 0.6. A legend in the top right corner identifies the filter colors.

