

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 1.5. The data points are colored according to the filter used: g (purple), r (cyan), i (green), and z (orange). The plot shows several clusters of points at different times, with a notable outlier at approximately (5688, 0.05). The clusters are located at roughly 5635, 5655, 5695, and 5735 MJD. The g-r values generally fluctuate between 0.5 and 1.0, with some points reaching up to 1.2 and others dropping to 0.0.

