

A scatter plot showing the relationship between $\log_{10}(\text{flux})$ (Y-axis) and time [MJD] (X-axis). The data points are categorized by filter: g (purple), r (cyan), i (green), and z (orange). The plot displays three distinct clusters of points, suggesting different observational epochs or events. The z filter consistently shows the highest flux values, while the g filter shows the lowest. The r and i filters show intermediate flux levels. The time axis spans from approximately 56300 to 57400 MJD, with major ticks every 200 MJD. The y-axis spans from 14.5 to 16.5, with major ticks every 0.5 units.

