

A scatter plot showing the relationship between $\log_{10}(L/L_{\odot})$ (Y-axis) and time [MJD] (X-axis). The X-axis ranges from 56300 to 57400, and the Y-axis ranges from 2.5 to 4.5. Data points are categorized by color: purple for 'i' and cyan for 'z'. The plot shows three distinct groups of stars, each with a cluster of cyan points and a few purple points. The groups are located at approximately 56300, 56600, and 57300 MJD. The purple points generally represent a subset of the cyan points, often showing higher luminosity at similar times.

