

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 3.0 to 4.5. Data points are categorized into two groups: 'i' (purple dots) and 'z' (cyan dots). The plot displays four distinct clusters of points, suggesting periodic or quasi-periodic behavior. The clusters are located at approximately 56350, 56600, 57000, and 57350 MJD. The 'z' group generally shows higher luminosity values than the 'i' group within each cluster.

