

A scatter plot showing the relationship between $\log_{10}(\text{AGN luminosity})$ (Y-axis) and time [MJD] (X-axis). The X-axis ranges from 56200 to 57400, and the Y-axis ranges from 30 to 45. The data points are categorized into two groups: 'i' (purple dots) and 'z' (cyan dots). The plot displays three distinct clusters of points, suggesting different populations or states of AGNs over time. A legend in the top right corner identifies the two groups.

