

A scatter plot showing the absolute magnitude (M_v) on the y-axis (ranging from -10 to -18) versus time in Modified Julian Days (MJD) on the x-axis (ranging from 56300 to 57400). The data points are color-coded by filter: g (purple), r (cyan), i (green), and z (orange). The plot displays several distinct groups of data points, with a notable cluster of high-magnitude (faint) objects around MJD 56600 and another cluster of lower-magnitude (brighter) objects around MJD 57000. A legend in the bottom right corner identifies the filter colors.

