

A scatter plot showing the absolute magnitude ( $M_v$ ) on the y-axis (ranging from -10 to -16) 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 (blue), i (green), and z (orange). The plot displays three distinct groups of data points, likely representing different epochs or observations of the same event. The legend in the top right corner identifies the filter colors.

