

A scatter plot showing the absolute magnitude M_v (y-axis, ranging from 10 to 18) versus time in Modified Julian Days (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 clusters of data points, corresponding to the three epochs mentioned in the caption. A notable outlier is present in the r filter at approximately MJD 57250 and M_v 16.5. The z filter generally shows higher absolute magnitudes (fainter objects) compared to the other filters, especially in the later epochs.

