

A scatter plot showing the absolute magnitude ( $M_v$ ) versus time [MJD] for four filters: g (purple), r (cyan), i (green), and z (orange). The plot displays three distinct groups of stars, with the central group being the most numerous. The y-axis ranges from -10 to 15, and the x-axis ranges from 56300 to 57400 MJD. A legend in the top right corner identifies the filter colors.

