

This scatter plot displays the light curves for four filters (g, r, i, z) over a period of time from MJD 5630 to 5745. The y-axis represents the magnitude, ranging from 14 to 19. The x-axis represents time in Modified Julian Days (MJD). The data points are color-coded by filter: g (purple), r (cyan), i (green), and z (orange). The plot shows three distinct groups of observations. The top group, centered around MJD 5690, shows a significant increase in brightness (decrease in magnitude) over time, with the g filter reaching a peak magnitude of approximately 14.5. The bottom-left group, around MJD 5635, and the bottom-right group, around MJD 5735, show relatively stable magnitudes between 15.5 and 17.5. A single green point (i filter) is an outlier at the bottom center, around MJD 5695, with a magnitude of approximately 18.5.

