

Scatter plot showing the light curves for four filters (g, r, i, z) over time [MJD]. The x-axis represents time in MJD, ranging from approximately 5630 to 5740. The y-axis represents magnitude, ranging from 14.5 to 20.5. The legend indicates the filter colors: g (purple), r (blue), i (green), and z (orange). The plot shows four distinct clusters of data points, each corresponding to a filter. The g filter cluster is at the top left, while the r, i, and z clusters are at the bottom. The z filter cluster is the largest and most spread out, covering the entire time range from 5630 to 5740 MJD. The r, i, and g filter clusters are more compact and occur at specific times: r around 5660 MJD, i around 5690 MJD, and g around 5730 MJD.

