

Figure 1: A scatter plot showing the RA offset (arcsec) versus the number of stars in the field (N_{stars}). The x-axis ranges from -200 to 600 arcsec, and the y-axis ranges from 0 to 100. Data points are colored by N_{stars} : red (0-10), orange (11-20), yellow (21-30), green (31-40), blue (41-50), and grey (51-60). Many points have labels indicating their RA offset and N_{stars} value. Green arrows represent the direction of the field's motion, and purple arrows represent the direction of the field's rotation. The plot shows a clear trend where the number of stars in the field increases with RA offset, peaking around 0 arcsec and then decreasing.

Dec offset, arcsec