

Figure 1 is a circular plot showing the spatial distribution of 100 comet nuclei in the E-W plane. The plot is divided into four quadrants by a vertical line (E-W Direction [AU]) and a horizontal line (N-S Direction). The x-axis ranges from -1.00 to 1.00 AU, and the y-axis ranges from -1.00 to 1.00 AU. Concentric dashed circles represent distances of 0.5, 1.0, and 1.5 AU from the center. Data points are categorized by color and size: red (g > 2), yellow (1.5 < g < 2), green (1.2 < g < 1.5), and white (g < 1.2). The plot shows a higher density of comets in the central region, particularly in the E-W plane.