

Figure 1 is a scatter plot showing the distribution of 100 simulated objects in the N-S Direction [AU] versus the Sun-Earth Direction [AU]. The plot includes concentric dashed circles representing distances from the Sun (0.25, 0.50, 0.75, 1.00 AU) and a solid black arc representing the Earth's orbit (1.00 AU). The Sun is at (0,0) and Earth is at (1,0). Objects are categorized by color (red, yellow, green, grey) and size (large, medium, small). The plot shows that objects are distributed throughout the volume, with a higher density near the Sun and Earth.