

Figure 1 is a scatter plot showing the distribution of 100 simulated objects in the Solar System, plotted against the Sun-Earth Direction [AU] (X-axis) and the N-S Direction [AU] (Y-axis). The Sun is at the origin (0,0) and Earth is at (1,0). The plot includes concentric dashed circles representing distances from the Sun (0.25, 0.5, 0.75, 1.0 AU) and a solid arc representing the Earth's orbit (1.0 AU). The objects are categorized by color and size, representing different populations or parameters. The distribution shows a higher density of objects near the Sun and Earth, with a significant concentration of objects in the region between 0.25 and 0.5 AU from the Sun and between 0.25 and 0.5 AU from Earth.