

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 X-axis ranges from 0.0 to 1.0 AU, and the Y-axis ranges from -1.00 to 1.00 AU. The Sun is located at (0,0) and Earth is at (1,0). The plot shows a dense distribution of objects, with a higher concentration near Earth (1,0) and a lower concentration near the Sun (0,0). The objects are color-coded by their N-S direction: red for positive (N), yellow for near-zero, and green for negative (S). The plot also includes concentric dashed circles representing distances from the Sun, and a solid black arc representing the Earth's orbit.