

Figure 1 is a scatter plot showing the distribution of 100 interplanetary dust particles (IDPs) in the E-W plane. The x-axis is labeled 'Sun-Earth Direction [AU]' and ranges from 0.0 to 1.0. The y-axis is labeled 'E-W Direction [AU]' and ranges from -1.00 to 1.00. A solid arc represents the Earth's orbit, and dashed concentric arcs represent orbits at 0.25, 0.50, and 0.75 AU. IDPs are labeled with numbers and colors: red (10), green (10), yellow (10), and grey (70). The plot shows a concentration of IDPs near the Sun-Earth line, with a higher density of particles closer to the Sun.