

Figure 1 is a scatter plot showing the N-S Direction [AU] versus the Sun-Earth Direction [AU] for various interplanetary dust particles (IDPs). The plot is a semi-circle with a radius of 1.0 AU, centered at the Sun (0,0) and Earth (1,0). The y-axis ranges from -1.00 to 1.00 AU, and the x-axis ranges from 0.0 to 1.0 AU. Concentric dashed circles represent distances of 0.25, 0.50, 0.75, and 1.0 AU from the Sun. A solid line represents the Earth's orbit. Data points are labeled with IDs and colors: red for IDPs with N-S Direction > 0.25 AU, yellow for IDPs with N-S Direction < 0.25 AU, and green for IDPs with N-S Direction > 0.25 AU. The plot shows a clear separation between the two groups of IDPs, with the red group clustered near the Sun and the yellow group clustered near Earth.