

[illegible]

Figure 1 is a scatter plot showing the N-S Direction [AU] versus the Sun-Earth Direction [AU]. The plot displays the positions of various comets, categorized by color: red for comets with perihelion distance $q < 0.5$ AU, yellow for $0.5 \text{ AU} < q < 1.0$ AU, and green for $q > 1.0$ AU. The plot includes concentric dashed circles representing constant perihelion distances (0.25, 0.5, 0.75, 1.0 AU) and a solid arc for the Earth's orbit (1.0 AU). The Sun is at the origin (0,0), and Earth is at (1.0, 0.0). The North (N) and South (S) directions are indicated on the y-axis.