

[illegible]

Figure 1 is a scatter plot showing the distribution of 100 simulated objects in a 2D plane defined by 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, and the Y-axis ranges from -1.00 to 1.00. The Sun is located at the origin (0,0), and Earth is located at (1,0). The plot includes concentric dashed circles centered at the Sun, representing distances of 0.25, 0.50, 0.75, and 1.00 AU. The objects are categorized by color and size: red (large), yellow (medium), and green (small). The distribution shows a higher density of objects near the Sun and Earth, with a significant cluster of objects near the Earth (X=1.0, Y=0.0). The objects are labeled with their IDs, such as 1055+20, 107+109, 1044-008, 1031-11, 1033+32, 1013+110, 1045-056, 1045-13, 1045-15, 1045-16, 1045-17, 1045-18, 1045-19, 1045-20, 1045-21, 1045-22, 1045-23, 1045-24, 1045-25, 1045-26, 1045-27, 1045-28, 1045-29, 1045-30, 1045-31, 1045-32, 1045-33, 1045-34, 1045-35, 1045-36, 1045-37, 1045-38, 1045-39, 1045-40, 1045-41, 1045-42, 1045-43, 1045-44, 1045-45, 1045-46, 1045-47, 1045-48, 1045-49, 1045-50, 1045-51, 1045-52, 1045-53, 1045-54, 1045-55, 1045-56, 1045-57, 1045-58, 1045-59, 1045-60, 1045-61, 1045-62, 1045-63, 1045-64, 1045-65, 1045-66, 1045-67, 1045-68, 1045-69, 1045-70, 1045-71, 1045-72, 1045-73, 1045-74, 1045-75, 1045-76, 1045-77, 1045-78, 1045-79, 1045-80, 1045-81, 1045-82, 1045-83, 1045-84, 1045-85, 1045-86, 1045-87, 1045-88, 1045-89, 1045-90, 1045-91, 1045-92, 1045-93, 1045-94, 1045-95, 1045-96, 1045-97, 1045-98, 1045-99, 1045-100.