

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 (yellow, green, red) and size (small, medium, large). The Sun is at the origin (0,0), and Earth is at (1,0). The plot includes concentric dashed circles representing distances from the Sun and a solid arc representing the Earth's orbit. Comets are labeled with their names and coordinates.

Comet Name	Sun-Earth Direction [AU]	N-S Direction [AU]	Category
154+552	0.85	0.40	Yellow, Small
355+50	0.55	0.35	Yellow, Medium
1107+109	0.75	0.10	Green, Small
1055+01	0.75	-0.05	Yellow, Small
1044+008	0.70	-0.10	Yellow, Small
1035+058	0.75	-0.15	Yellow, Small
1031-11	0.80	-0.20	Yellow, Small
10403-132	0.75	-0.30	Yellow, Small
10324+119	0.70	-0.05	Yellow, Small
10411+05	0.60	-0.20	Green, Small
941-08	0.55	-0.25	Yellow, Small
9652-130	0.45	-0.50	Yellow, Small
9752-200	0.50	-0.50	Yellow, Small
9605-08	0.40	-0.40	Yellow, Small
9741-06	0.35	-0.40	Yellow, Small
9713-024	0.25	-0.40	Yellow, Small
9716+022	0.20	-0.35	Yellow, Small
9552+12	0.25	-0.20	Yellow, Small
9723+16	0.20	-0.20	Yellow, Small
9548+18	0.25	-0.10	Yellow, Small
9732+33	0.15	0.20	Yellow, Small
9821+394	0.20	0.30	Yellow, Small
9817+183	0.10	0.00	Yellow, Small
9556+191	0.15	-0.10	Yellow, Small
9732+33	0.15	0.20	Yellow, Small
9821+394	0.20	0.30	Yellow, Small
9817+183	0.10	0.00	Yellow, Small
9556+191	0.15	-0.10	Yellow, Small
9732+33	0.15	0.20	Yellow, Small
9821+394	0.20	0.30	Yellow, Small
9817+183	0.10	0.00	Yellow, Small
9556+191	0.15	-0.10	Yellow, Small
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9817+183	0.10	0.00	Yellow, Small
9556+191	0.15	-0.10	Yellow, Small
9732+33	0.15	0.20	Yellow