

Figure 1 is a scatter plot showing the N-S Direction [AU] versus the Sun-Earth Direction [AU]. The Sun is at the origin (0,0), and Earth is at (1,0). The N-S Direction ranges from -1.00 to 1.00 AU, and the Sun-Earth Direction ranges from 0.0 to 1.0 AU. Comets are represented by colored circles (red, yellow, green) and labeled with their names and coordinates. Concentric dashed circles represent distances from the Sun, and a solid arc represents the Earth's orbit. A vertical line marks the Sun-Earth direction.

Comet Name	Sun-Earth Direction [AU]	N-S Direction [AU]	Color
1858+171	0.42	0.45	Red
1855+134	0.42	0.42	Red
759+13	0.45	0.40	Red
2147+145	0.52	0.30	Yellow
712-032	0.50	0.25	Yellow
1650+004	0.55	0.25	Yellow
3C422	0.15	0.22	Yellow
1915-121	0.10	0.18	Yellow
1819-096	0.20	0.20	Yellow
2105-072	0.18	0.15	Green
1730-13	0.30	0.12	Green
2156-043	0.28	0.10	Green
2210+016	0.40	0.15	Green
3C446	0.35	0.08	Green
2229-093	0.45	0.00	Green
1631-222	0.55	0.00	Green
1623-228	0.60	0.00	Green
2318-16	0.55	-0.15	Green
2347-072	0.75	-0.05	Green
3314+09	0.85	-0.05	Green
508-05	0.90	-0.05	Green
0011+344	0.95	-0.05	Green
156-18	0.85	0.05	Green
2235+511	0.95	0.10	Green
3357-69	0.90	0.15	Green
523-14	0.85	0.15	Green
3C456	0.75	0.10	Yellow
3C459	0.70	0.08	Yellow
638-032	0.65	0.18	Yellow
3C454.3	0.70	0.18	Yellow
2339+333	0.90	0.25	Yellow
3357-69	0.90	0.15	Yellow
2235+511	0.95	0.10	Yellow
523-14	0.85	0.15	Yellow
3C456	0.75	0.10	Yellow
3C459	0.70	0.08	Yellow
638-032	0.65	0.18	Yellow
3C454.3	0.70	0.18	Yellow
2339+333	0.90	0.25	Yellow
3357-69	0.90	0.15	Yellow
2235+511	0.95	0.10	Yellow
523-14	0.85	0.15	Yellow
3C456	0.75	0.10	Yellow
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