

Figure 1 is a scatter plot showing the E-W Direction [AU] versus the Sun-Earth Direction [AU]. The plot displays the positions of various objects, including the Sun and Earth, and their relative directions. The Sun is at the origin (0,0) and Earth is at (1,0). The plot shows the E-W Direction [AU] on the y-axis and the Sun-Earth Direction [AU] on the x-axis. The plot includes concentric dashed circles representing distances from the Sun and Earth, and a solid arc representing the Sun-Earth distance. Objects are labeled with their names and coordinates.

Object	Sun-Earth Direction [AU]	E-W Direction [AU]
Sun	0.0	0.0
Earth	1.0	0.0
213-17	0.05	0.0
127-14	0.15	0.2
136-13	0.15	0.15
159-07	0.25	0.4
135-058	0.25	0.35
1031-11	0.3	0.3
3C255	0.2	0.3
3C287	0.15	0.3
3C263.1	0.3	0.35
323+32	0.4	0.1
3286	0.35	0.05
941-08	0.55	0.45
3C228	0.45	0.5
8926+117	0.65	0.5
3C208	0.8	0.4
839-071	0.75	0.35
857-191	0.75	0.3
834-13	0.85	0.3
817-183	0.9	0.35
821+394	0.95	0.25
834+06	0.95	0.2
822+06	0.95	0.15
818+10	0.95	0.1
818+022	0.95	0.05
813-024	0.95	0.0
819-096	0.95	-0.05
759+13	0.95	-0.1
748+031	0.95	-0.15
730-13	0.95	-0.2
650+004	0.85	-0.3
650+004	0.85	-0.35
638-025	0.75	-0.4
631-222	0.75	-0.45
623-228	0.75	-0.5
645-12	0.55	-0.5
523+03	0.45	-0.4
453-008	0.35	-0.45
428-03	0.25	-0.35
434+03	0.25	-0.3
334-16	0.15	-0.25
335+01	0.15	-0.2
3C283	0.15	-0.15
245-19	0.15	-0.1
345+12	0.25	-0.1
3C298	0.3	-0.25
3C318	0.55	-0.25
635+139	0.65	-0.35

Figure 1 is a scatter plot showing the N-S Direction [AU] versus the Sun-Earth Direction [AU] for various comets. The plot includes concentric dashed circles representing distances from the Sun (0.25, 0.5, 0.75, 1.0 AU) and a solid arc representing the Earth's orbit (1.0 AU). Comets are labeled with their names and perihelion distances (q). The Sun is at the origin (0,0) and Earth is at (1,0). Comets are color-coded: green for q < 0.5 AU, yellow for 0.5 < q < 1.0 AU, and red for q > 1.0 AU. The plot shows that comets with larger perihelion distances tend to have larger N-S components of their velocity vectors.