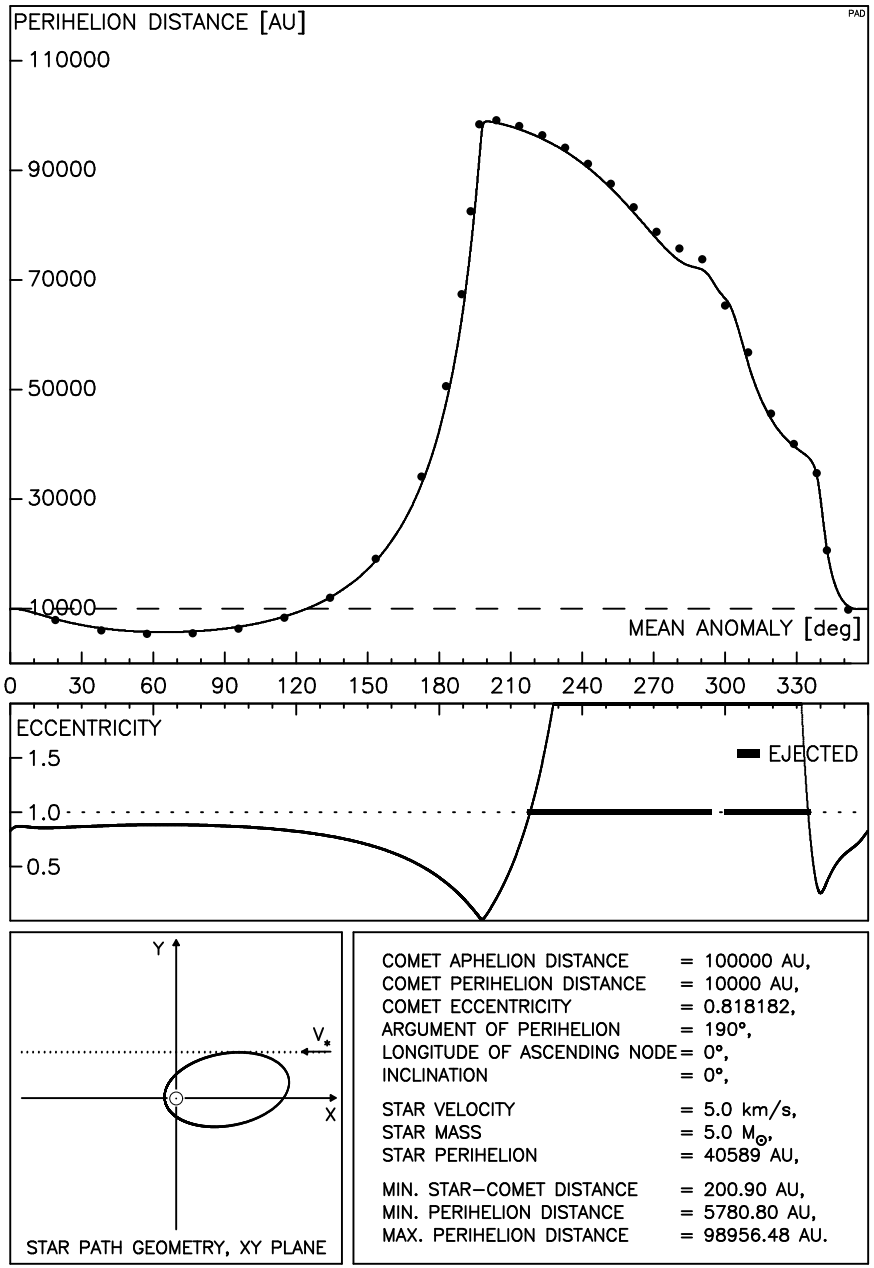
PERIHELION DISTANCE [AU]
PAD
110000
90000
70000
50000
30000
10000
MEAN ANOMALY [deg]
0
30
60
90
120
150
180
210
240
270
300
330
ECCENTRICITY
1.5
1.0
0.5
EJECTED
Y
X
V*
STAR PATH GEOMETRY, XY PLANE
COMET APHELION DISTANCE = 100000 AU,
COMET PERIHELION DISTANCE = 10000 AU,
COMET ECCENTRICITY = 0.818182,
ARGUMENT OF PERIHELION = 190°,
LONGITUDE OF ASCENDING NODE = 0°,
INCLINATION = 0°,
STAR VELOCITY = 5.0 km/s,
STAR MASS = 5.0 M⊙,
STAR PERIHELION = 40589 AU,
MIN. STAR–COMET DISTANCE = 200.90 AU,
MIN. PERIHELION DISTANCE = 5780.80 AU,
MAX. PERIHELION DISTANCE = 98956.48 AU.