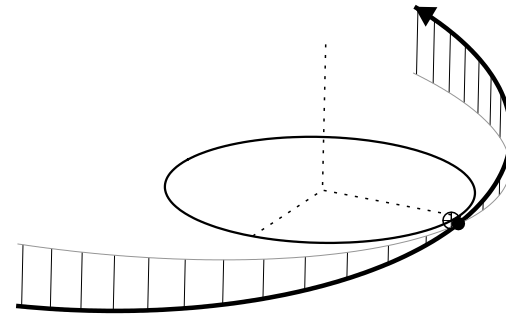
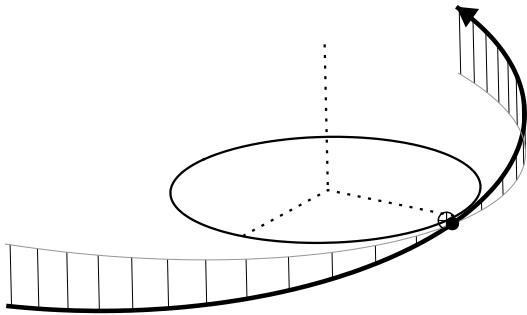


46P/Wirtanen

Perihelion (JD)	2458465.4399000
Period (years)	5.4393228
Semimajor axis (AU)	3.0928811
Perihelion dist (AU)	1.0553900
Eccentricity	0.6587680

Mid-date: 2018 Dec 17

Perihelion Date	2018 Dec 12 22:33:27
Epoch	2000.0
Inclination (deg)	11.7475200
Long ascending node (deg)	82.1583200
Arg. of perihelion (deg)	356.3414600



3-D for Cross-Eyed view, Separation angle 7.0°
Az = 30° Alt = 20°

Tick marks at 15 day intervals
Observer-comet plane viewing angle: -5.7°