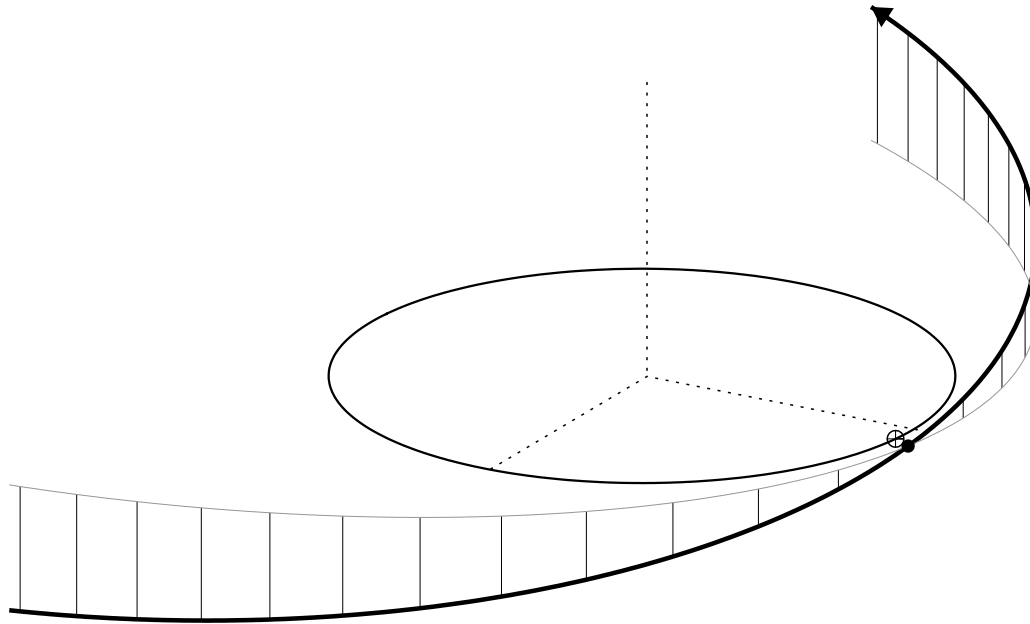


# Wirtanen (2018)

Mid-date: 2018 Dec 16

Perihelion (JD)	2458465.4814900
Period (years)	5.4388223
Semimajor axis (AU)	3.0926914
Perihelion dist (AU)	1.0553500
Eccentricity	0.6587600

Perihelion Date	2018 Dec 12 23:33:20
Epoch	2000.0
Inclination (deg)	11.7476000
Long ascending node (deg)	82.1603000
Arg. of perihelion (deg)	356.3890000



Az =  $30^\circ$  Alt =  $20^\circ$

Tick marks at 15 day intervals  
Earth-comet plane viewing angle:  $-4.0^\circ$