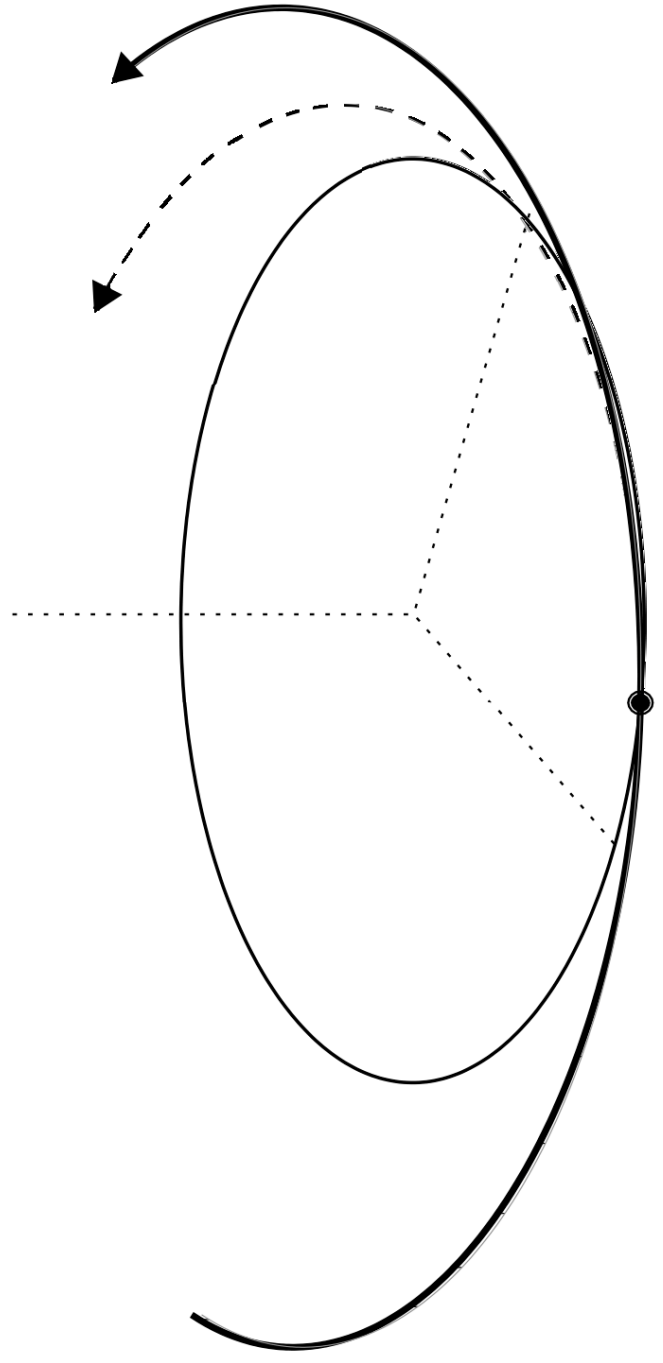


(2012 TC4)

Mid-date: 2017 Oct 12

Perihelion (JD)	2458073.5377200	Perihelion Date	2017 Nov 16 00:54:19
Period (years)	1.6665935	Epoch	2000.0
Semimajor axis (AU)	1.4056800	Inclination (deg)	0.8564500
Perihelion dist (AU)	0.9336400	Long ascending node (deg)	198.2491000
Eccentricity	0.3358090	Arg. of perihelion (deg)	222.5625000

Orbital elements change to post-encounter values at time of close approach



Az = 30° Alt = 30°