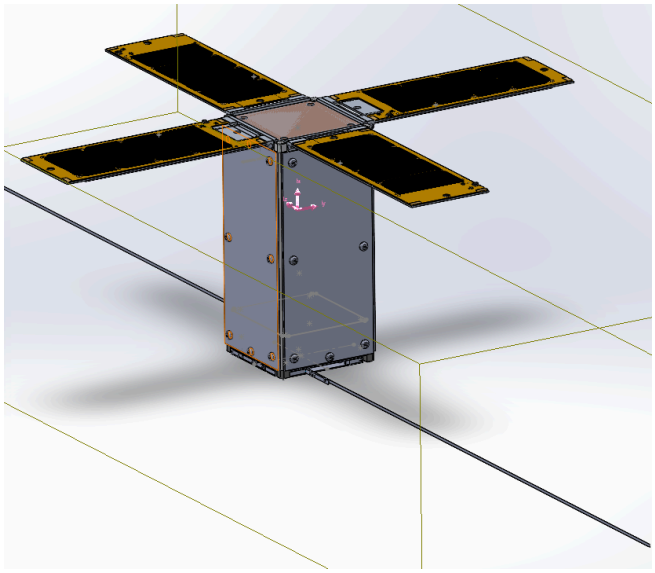
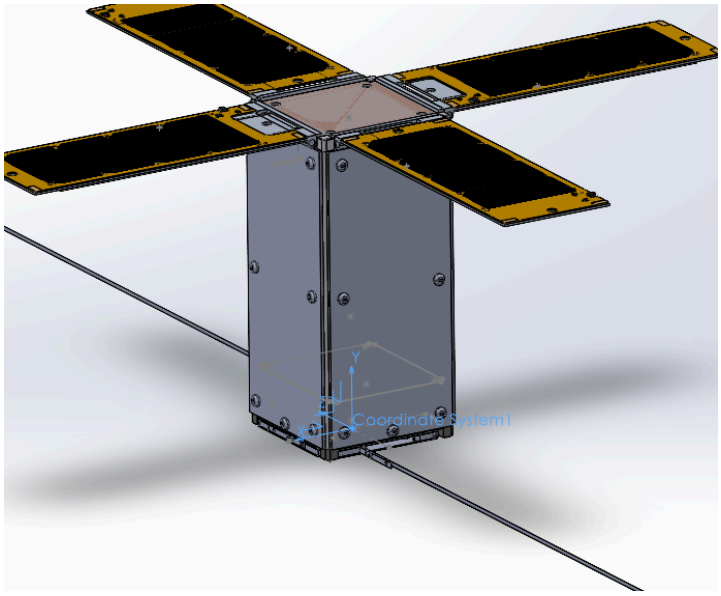
Variable	Value
Semimajor Axis	6928.14 km
Inclination	97.5977 deg
Period	95.65 min
COM (see image below)	Center of mass: (millimeters) X = 0.24 Y = 140.58 Z = 0.94
Principal Axis of Inertia	Principal axes of inertia: (grams * square millimeters) Taken at the center of mass. Ix = (0.00, 1.00, -0.04) Iy = (-1.00, 0.00, -0.05) Iz = (-0.05, 0.04, 1.00)
Principal Moment of Inertia	Principal moments of inertia: (grams * square millimeters) Taken at the center of mass. Px = 11867257.57 Py = 12575303.76 Pz = 12866690.27

Remember these measurements are relative to a coordinate system described down below!!!

COM:



Relative to this coordinate system;



This origin is placed in the geometric center of the bottom 1U face.

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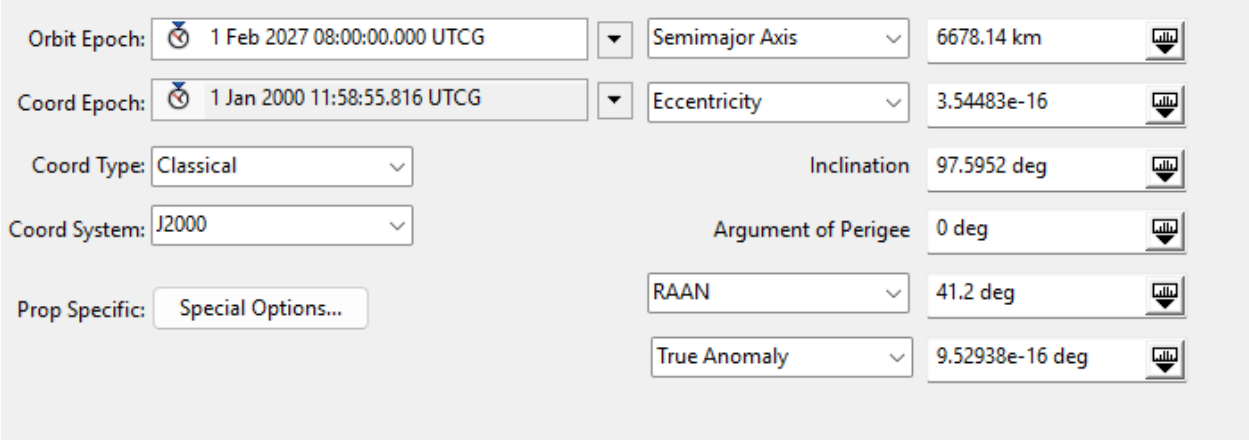

More accurate stuff

The RAAN is based off of the epoch. I did 41.2 deg because based off the ascension node of the sun that day. This keeps us on the terminator orbit. (Constant sunlight)