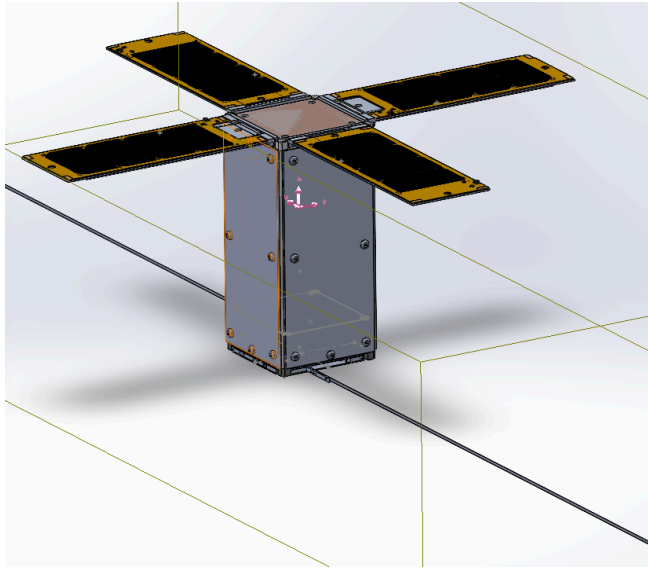


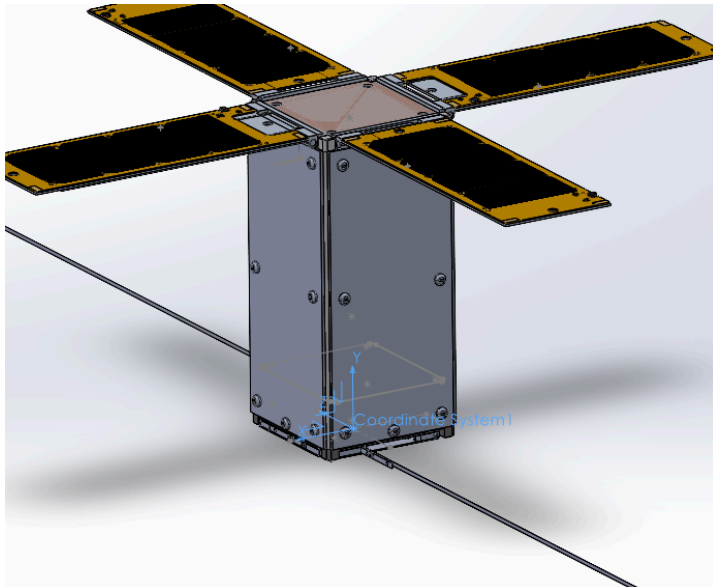
Variable	Value
Semimajor Axis	6928.14 km
Inclination	97.5977 deg
Period	95.65 min
COM (see image below)	Center of mass: ( millimeters ) X = 0.24 Y = 140.58 Z = 0.94
Principal Axis of Inertia	Principal axes of inertia: ( grams * square millimeters ) Taken at the center of mass.  Ix = ( 0.00, 1.00, -0.04) 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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Orbit Epoch:	 1 Feb 2027 08:00:00.000 UTCG	▼	Semimajor Axis	▼	6678.14 km	
Coord Epoch:	 1 Jan 2000 11:58:55.816 UTCG	▼	Eccentricity	▼	3.54483e-16	
Coord Type:	Classical	▼	Inclination		97.5952 deg	
Coord System:	J2000	▼	Argument of Perigee		0 deg	
Prop Specific:	Special Options...		RAAN	▼	41.2 deg	
			True Anomaly	▼	9.52938e-16 deg	

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)