Outline

1. Title
2. Authors
3. Abstract (include index terms)
4. Nomenclature
5. Introduction
   1. Objective Motivation/’Hypothesis”
   2. Why did we do this work (justification of objective)
   3. Background
      1. Things people did previously and how
      2. Our initial approach?
   4. Guidance to reader
      1. What should reader watch for
      2. Points of interest
      3. What strategy we used
   5. Summary/Conclusion
      1. Expectations regarding conclusion
6. Results and Discussion
   1. Air Leakage
      1. Calculation for PSI in Tubesat, expectation after 6 months
      2. Overview of tubes components of interest
      3. Leak Rate calculated to be within goal of 12 PSI
   2. Thermal Modeling
      1. Radiation is Negligible
         1. Thermal coupling of panel/core contacts makes thermal radiation negligible
      2. Convection is Negligible
         1. Computational Fluid Dynamics
         2. Thermal Convection Simulation
      3. Conduction is Significant, but Net Positive Energy is Preserved
         1. Standoff Assumption Model
      4. **Thermal Equilibrium Temp. for Entire Satellite**
   3. Power Budget
      1. Power Drawn from Each Subsystem
      2. Available Energy for Additional Modules

1. Conclusion