CubeSat Report Outline

1. Introduction
   1. What are CubeSats?
   2. CubeSat standards
   3. Why are they popular?
   4. Talk about mass/power/volume constraints for 1U, 2U, 3U, etc.
   5. What is the need for CubeSat software V&V?
   6. CubeSats launched per year (show increase)
2. Results of survey
   1. Discuss methodology of tabular list of items
   2. Pie chart of processors, maybe grouped by CubeSat size
   3. Pie chart of OS
   4. Summary of 1U, 2U, 3U, 6U?
   5. Deployment mechanisms
   6. University v. NASA v. companies v. DoD pie chart
3. Discussion of Results
   1. Narrow down survey to successful launches and compare those processors/OS
   2. Pros and cons comparing:
      1. Mass
      2. Cost
      3. User interface
      4. IV&V previous experience with processor/OS
      5. Power requirements
4. Future Work

Pumpkin PPM Options:

* TI MSP430F1612
* TI MSP430F1611
* TI MSP430F2618
* Silicon Labs C8051F120
* PIC24FJ256GA110
* dsPIC33FJ256GP710