Orbit Control

Visual Clarity: Need to explain problem visually, diagrams are good here.

Statement of Problem: CDGPS not mentioned, it should be
    Equations on slide 18 not explained, so don’t show them

Design Approach: O.D. slide 21 not actually O.D.
    Why are two orbits needed? Explain diagram

Analysis: J2 -> before integrating into sim, just do rough calculation
    What about diff drag
    (23) explain better
    (24) need #’s and Hill’s equations.

Communications

Organization: you bounce around a lot

Visual Clarity: 57-58 do a diagram in power point

Statement of Problem: power required is the most important
    Missing orbit control in CPU diagram

Design Approach: downlink capacity for radio? (very important)
    Orbit decay is suspect

Analysis and Conclusions: with Atmospheric drag you only care about the differential

Structure

Visual Clarity: need to show all component locations and why at FDR

Statement of Problem: Need a mass budget.
    How did you get the pixel relationship?
    *How can you make the pixel relationship clearer translate the
      discussion into the purpose of the mission.*

Design Approach: don’t need to explain mass/ density relationship
    Fuel tank size and location?

Analysis and conclusions: what is remaining hardware?
    Slide 36 was a good idea, but think of something more applicable
    to the problem you are designing for.