# Secondary STR Risk

* Previous skeleton design analysis will not work

Minimal: would delay development time, but a lot of work has been done before hand and there are several designs to select

* Over/under allocation of mass for subsystems

Low: most components are known quantities or come from previous missions

* Select components wrong for STR subsystem

Minimal: component selection is limited and some components will come from previous mission experience

# Secondary COM Risk

* Wrong assumptions in link analysis.

Minimal: assumptions that have been made so far do not have a significant impact on the overall link budget

* Preliminary component research takes too long

Low: spending too much time on research delaying communication subsystem development, need to stick to deadlines

# Secondary PWR Risk

* Mistakes in Power budget assumptions

Low: will be drawing from previous mission experience to minimize risk

* Select wrong components for PWR Subsystem

Low: using power budget and previous mission experience will help minimize selecting the wrong components, which would delay development

# Secondary ADC Risk

* Mistakes in detumbling analysis

High: referring to previous missions’ analysis will help minimize risk

* Underestimated detumbling requirements

Medium: detumbling would take longer, which could jeopardize the mission, need in depth detumbling analysis to minimize risk

* Select wrong components for ADC subsystem

Medium: heavily dependent on detumbling analysis

* Problems selecting GPS frequency:

Low: dependent on accuracy requirements and cost, stick to deadlines to minimize this risk

# Secondary CDH Risk

* Problems developing a functional block diagram for the S/C

Low: proper subsystem planning will minimize this risk

* Software system overview takes too long

Low: delays develop or extraneous code gets carried over, need detailed review process to minimize risk