1. Reference: “Lewis Spacecraft Mission Failure Investigation Board Final Report”, 12 February 1998, <http://spacese.spacegrant.org/Failure%20Reports/Lewis_MIB_2-98.pdf>

Read the Lewis Spacecraft Mission Failure Investigation Board Final Report.

For this NASA case study, prepare to discuss the fourth step in DMAIC, Improve (do not turn this in):

Identify how a problem could be solved or improved (you may reuse problem identification and measures from HW11).

* + - What are possible solutions? Which one(s) best solves the problem or improves the situation. Why?
    - Identify challenges and strategies for implementing the improvements. What else might be needed to overcome the challenges?

2. For your selected case study, submit a draft of your “Analyze” section (see Syllabus).

* 1. Analyze the Problem
* Gather data, build, and execute process models (minimum: cause-effect diagrams) to determine root causes.
  + Identify and document potential causes; explain the causal relationships. Every arrow on the diagram should have an explanation.
* Use statistical or other quantitative methods to quantify the effects and select a significant root cause.
* Clearly identify the root cause you plan to Improve.