|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Meeting Date | 3/31/2014 |  | |  |
| Meeting Place | SSRL | Leader | Tyler Olson | |
| Minutes Date | 3/31/2014 | Participants | Tyler Olson, Nicholas Mercadante, Javier Muro de Nadal, Nate Richard, Max Polley, Tom Moline | |

| Description | Action | Due Date |
| --- | --- | --- |
| **Questions for Boeing:**  What is the exact structural layout of the Colony-II Bus?   * This is important to know, in terms of the manner in which the design will be approached.   What are the mass specs of the Colony-II bus?  Deployable solar panels (how would we interfere with them)?  **Propulsion Specifications:**  Should limit the size to 0.5U.  Should be able to produce 50 m/s of delta-V.  Mass percentage limited to 50-75%.  Power usage limited to <3W.  Should ask Swartwout for the propulsion system that Boeing was originally planning to incorporate.  **Propulsion Basics:**  Fuel will be R-134a (Unless other methods are found to better meet requirements).  Only need to have 3 Degree of Freedom (DOF) control.   * This means that we only need control over forward-backward, left-right, up-down motion.   Would review the work that Manu did last semester, but PRO-E is not behaving.  Wend over the supplemental information at least.  **Coordinate System:**  Have to work in camera coordinate system and body coordinate system.   * Body coordinate system would be based on CubeSat Design specifications. * Camera’s Z axis is specified as going away/towards the camera lens. * We have decided to go with a coordinate system that is based on a body-fixed system, as defined by the CubeSat Design Specification Document. | **Send Tom a list of questions for Boeing (TO)**  **Contact Manu about getting access to working files (TO).**  **Send out supplemental information to the rest of the team (TO)** | 4/01/2014  4/01/2014  4/01/2014 |