**Groundstation Improvements:**

* I want to add in the 3 axis acceleration data into housekeeping and display it in the GUI.
* Getting rid of PAY\_HUM, and ABS\_TIME\_D,H,M from housekeeping to make room.
* **Actually** I’ll leave PAY\_HUM in housekeeping but remove it from the GUI.
* **Remove other pay temps from the GUI.**
* Renaming PAY\_ACCEL to PAY\_ACCEL\_X
* Adding: PAY\_ACCEL\_Y,Z
* **Go through the point to point communication to check for changes.**
* Somehow, housekeeping was not a part of request\_sensor\_data( ).
* Added in support of request\_sensor\_data( ) for the housekeeping task.
* Adding sensors to send\_sensor\_data( ) in the SSM code.
* **Don’t forget the code for OBC\_TEMP**
* The OBC side of things looks good.
* **I updated the housekeeping definition**
* Can I fit 50 bytes into housekeeping?
* for(i = 5; i < 55; i++)
* {
* hk\_array[i] = tm\_to\_decode[i + 76];
* }
* Updated how housekeeping was stored in the groundstation code.
* **Need to reprogram all 3 SSMs before testing**
* **Look at the case statement in plot\_data( )**
* I put the housekeeping definition in canbus\_gui\_defs
* **Request\_sensor\_data( ) doesn’t make any sense.**
* **Need to add in code for logging transceiver data**
* Changed how he was putting bytes into can\_hk\_buffer.
* Line 329 is where transceiver data is put into the GUI… COMPLICATED.
* **Need to edit full\_sensor\_list**
* Not nearly enough comments…
* **Need to add to accel**
*          Request\_sensor\_data( ) in ArduinoCAN doesn’t make any sense.
* 
* Need to update how sensors are logged for transceiver and hk.
*          Need to update verify\_telecommand and housekeeping somewhat since sID, collection interval, and number of parameters are in different places now.
*          Done
*          Need to add the photodiode sensor collection function and updates to send\_sensor\_data, send\_housekeeping in SSM code.
*          **NOTE:**Length of housekeeping has now increased by 8 bytes.
* Q: How is he sending the sensor ID to the GUI from the laptop interface? (for transceiver data)
*          We’re only going to do 6 sensors now so that they can all be 2B (it’s just easier)
*          Updated store\_housekeeping in the OBC.housekeeping.c to accommodate the longer list of housekeeping
*          **Note:**is\_hk\_ready.
*          Needed to add the housekeeping definition into the ArduinoCAN code as he wasn’t even using it.
*          **Note:**get\_hk\_data() gets the data ready to be sent to the GUI.