**EPS Sensor Values**

Sam has a series of sensor values that she would like to read from the EPS SSM. They are currently involved in housekeeping so we would like them to be the actual values now. Most of these values have to pass through the multiplexer ADG1606

* ADG1606
* S0-S3 = Analog Input Select = pin 22-25 on the SSM.
* Z = Analog Input from the multiplexer = pin 18 on the SSM
* Let’s write a function collect\_eps\_sensors() which can be run every so many milliseconds and every time housekeeping is called.
* **Initialization first**
* PC6,7 PB3,4 need to be set as outputs.
* PC5 = ADC input currently being used?
* Moved shuntdpot = 0xAC into the initialization
* I don’t understand why you want to “read” the shunt\_dpot value. It’s gonna be what you set it to and remain the same.
* Taking this out of your sensor update function.
* **Still need to convert the analog values using Sam’s spreadsheet.**