-m ..\..\..\Model\_Scripted\_Subsystems.xml -t ..\..\..\v2.2-300targets.xml -s ..\..\..\SimulationInput.XML

GOALS:

Made quat calcs for adcs pointing math ish in cgcalcs2

Make github fork and compare to mehiels cods

Eosensor > antenna.py

Have antenna drive adcs performance or keep as visaversa

flowchart with arrows

Click on subsystem block, show canperform code,

Click on arrow, show code for dependency

Need to know orientation of sc relative to eci frame

Seminar:

Talk about horizon, present model, requirements, show how requirements are embedded in model, show data types and mission questions and requirements based on operation of the system,

Implement pointing of satellite tracking for azimuth

Determine ground station locations and orbit used for coverage (find orbit for old Raytheon pushbroom?)

Thesis defense – implement a model based design, show reqs are in model, run various scenarios, try different things to meet reqs and show where it does break is good for the defense!

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

' Type a list of Flows, like this:

' SOURCE [AMOUNT] TARGET

' Examples:

Thesis [50] Code

Thesis [50] Paper

Code [5] Quaternion Math

Code [5] Antenna Mechanical Calcs

Code [5] SC orientation to ECI

Code [5] Pinpoint data types and requirements

Code [5] Show ground station viewing

Code [5] show Azimuth data collection

Code [5] 7

Code [5] 8

Code [5] 9

Code [5] 10

Paper [10] Describe model based design

Paper [10] Show model contains mission requirements

Paper [10] Various scenarios used for testing

Paper [10] Show bottlenecks

Paper [10] Future use

' After your Flows are entered, use the

' controls below to customize your

' diagram's appearance.

' For even finer control over presentation,

' see the Manual (linked above).