Quality Assurance Report
constants_1U.py

QA requested by: Riya
Date: 05/08/2018
Reviewer: Niket
Permanent links:

QA suggestions:
1. **Line 13**: AU value is **149597870700 m** (basically 90 m more than value in code) according to wikipedia and also a NASA website. Can be neglected if felt negligible.
2. **Line 14**: R_SUN value is **695700000 m, 6957e5 m** (200 km more than value in code) according to wiki and a NASA website. Also, why not use exponential notation like 695700e3 m or 6957e5 m?
3. **Date format part**: TLE taken from n2yo.com on 3rd April.
4. **Satellite structural properties** : Values of model 9 to be used. The link to the doc having these values (for both deployed and undeployed cases) is https://docs.google.com/document/d/18hL08SAWQt2hc548lh5toHc3qMM4wbFIX-lTmty39ms/edit
   Note: This doc also has the value of r_COG_2_COM_b which is there in disturbance model constants
5. In **disturbance model constants**, only aero drag and rho values to be verified. Will update this as soon as done.