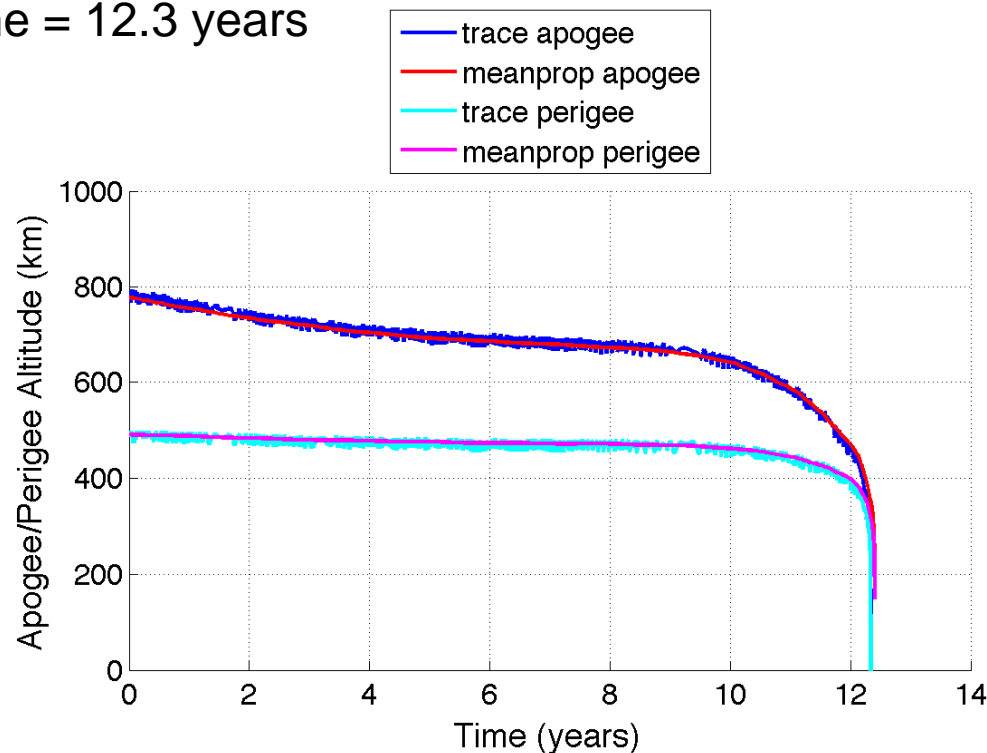


AC4 Lifetime Case 1: Panel-Deployed Cube

- With an 50th percentile atmosphere assumption (nominal solar activity), the orbit lifetimes shown in TRACE and MEANPROP compare well
- A panel-deployed cube by itself will de-orbit within 25 years after launch
- Orbital Lifetime = 12.3 years



AC4 Lifetime Case 2: Non Panel-Deployed Cube

- With an 50th percentile atmosphere assumption (nominal solar activity), the orbit lifetimes shown in TRACE and MEANPROP compare well
- A panel-deployed cube will de-orbit within 25 years after launch even if the side panels do not deploy
- Orbit Lifetime = 21.2 years

