Interim Planning Approach

SOC will select targets for several revolutions

- SOC will try to allocate targets based on Z-flip needs – minimise biasing
    - As SOC / FD gain experience this should become easier and more flexible
- Targets / Slew pattern to be assessed by FD before planning
    - Currently FD can reliably propagate wheel speeds over 2 revolutions
    - Target is 3+
- The results of this will also provide valuable test data for design of an angular momentum management tool to enhance the current planning progress

Long Term Planning Approach

Multiple revolution planning approach

- Angular momentum management to minimise / avoid biases

Up to now

- Bias to accommodate SOC slew pattern

Future

- SOC slew pattern to accommodate Ops without bias where possible and respect all S/C constraints – secondary objective after fulfilling science objectives

To be Done

Deployment of new wheel bias strategy – end July

Z-flip Planning Software Updates at MOC and SOC

- Formulate requirements and Trade-offs, assess effort
  - 1st ‘workshop’, 7th July
- Wheel profile prediction and planning improvements
  - Give SOC the capability to assess the results of their planning on wheel speeds and angular momentum management