SMOV Morning Meeting

Pointing Control System
May 27, 2009
PCS Performance

- Evaluation of vehicle jitter continues
  - Investigation closing in on G3
  - 16.5 Hz frequency appears to be cause of increased jitter
    » 6 mas observed, 2-3 mas expected
- Ops Request #18454 executed to collect 2 intervals of PN format data
  - High rate data for all 6 gyros, as opposed to 3 in HN

- Looking forward, initial thoughts
  - Gyro Calibration
    » No impact
  - VDT #3
    » If G3 confirmed, prefer to remove it from control law prior to VDT
    » Masks other structural modes near 16 Hz
    » Lower jitter expected without it
  - Vendor assessment
  - Long term mitigation
    » May be possible with notch filter