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Local Oscillation work-point at ca 65 deg/s

- Initial tests try to reduce spin rate by counter-firing the thrusters
- Reduced 5 deg/s by firing in one pass, resumed back at ca 65 deg/s in next pass
- > Reduced 10 deg/s by firing in one pass, back to 65 deg/s again in next pass

■ Simulation analysis on local Oscillation work-point at ca 65 deg/s

- Ts= 1 sec delay in the magnetic control loop (take the measurement before sending out the magnetic control, to separate disturbance)
- > This delay in the control loop results in a steady oscillation work-point
- Simulation results revealed the oscillation work-point at ca 65 deg/s
- If remove the delay in simulation, the oscillation disappear

Condition back to 0 work-point

- Simulation shows, the initial rate needs to be below 20 deg/s
- Then, magnetic control can reduce the rate down to zero





































