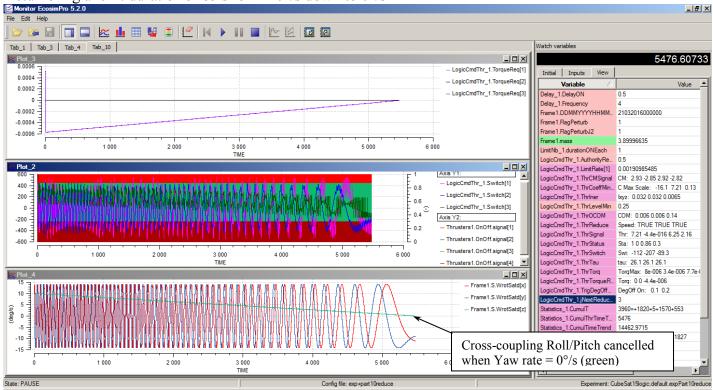
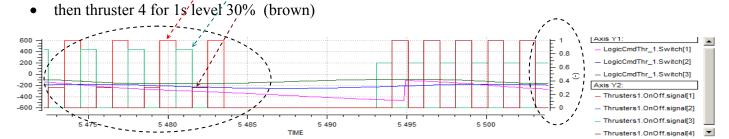
Detumbling CubeSat 3U with 4 thruster in pyramidal configuration (±15° wrt Y)

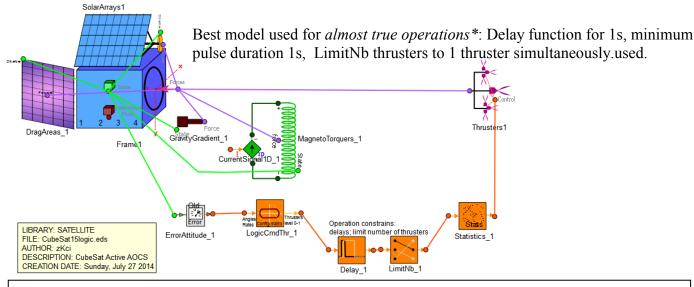
Detumbling axe Z: duration 5485 s for $+10^{\circ}$ /s down to 0° /s



Thruster sequence for Z detumbling:

- thruster 1 for 1s level 100% (red)
- then thruster 3 for 1s Jével 86% (green)





*Almost true operations

because the thrust F is continuous during I second (providing a impulse Fdt in Ns) instead of a very short impulse providing the same Fdt in the middle of the thrust pulse.

The simulation computes commands to the thrusters and use a delay of 0.5s before the pulse of 1 s, so the middle of the thrust pulse is just 1 second after the command.

Hence, for the timing no real discrepancy are expected between this simulation and the true operations.

