gyroAxesSwap Velocity xPosition x15 Setpoint x10 Estimated x Estimated velocity x Position yVelocity y----- Estimated velocity y -10Setpoint y---- Estimated y -202 2 0 Velocity zPosition z10 3 Velocity z5 2 Estimated velocity zSetpoint \boldsymbol{z} Estimated zAcceleration x, y, zAttitude x, y, z10 0.50 0.2 0.6 0.8 0 Gyro x, y, zz-range 2,000 3 2 1 z-range -2,000Pixel count x, yKalman errors x, y, z200 100 0.5 -1000.2 0.6 Motors control signals u_1 $\cdot 10^{4}$ Motors control signals u_2 $\cdot 10^4$ **u**₂ u_1 Motors control signals u_3 Motors control signals u_4 ·10⁴ **u**₃ $-u_{4}$

8

2

8