





if(u1 >=2)

Action Port

1

Encoder # 1 - measure Pitch angle Encoder # 2 - measure Elavation angle Travel: Count to rad Travel_gain ► R2D 2*pi/8192 **▶**1 "QUARC Targets" Travel [deg] not installed Travel rad to deg HIL Read Encoder Travel: Scope [deg] Timebase 10s► R2D **→**(2) s + 10Travel rate [deg/s] Travel rate rad to Travel: Transfer Fcn deg Front motor Vf [V] Pitch: Count to rad Front motor: Saturation Travel rate: Scope [deg/s] **→**3 ► R2D Pitch [deg] Pitch rad to "QUARC Targets" deg not installed \bigcirc Pitch: Scope [deg] Vb [V] R2D Back motor: Saturation HIL Write Analog s + 30▶ 4 Pitch rate rad to Pitch: Transfer Fcn Pitch rate [deg/s] deg Ptich rate: Scope [deg/s] Back motor $\frac{\Delta u}{\Delta t}$ R2D Pitch rate rad to deg1 Ptich rate: Scope [deg/s]1 Elevation_gain ► R2D **▶** 5 Elevation [deg] Elevation rad to Elevation: Count to rad deg Elevation: Scope [deg] 10s ► R2D **▶**6 s + 10Elevation rate [deg/s] Elevation: Transfer Fcn Elevation rate rad to Elevation: Scope [deg/s]

Encoder # 0 - measure Travel angle

