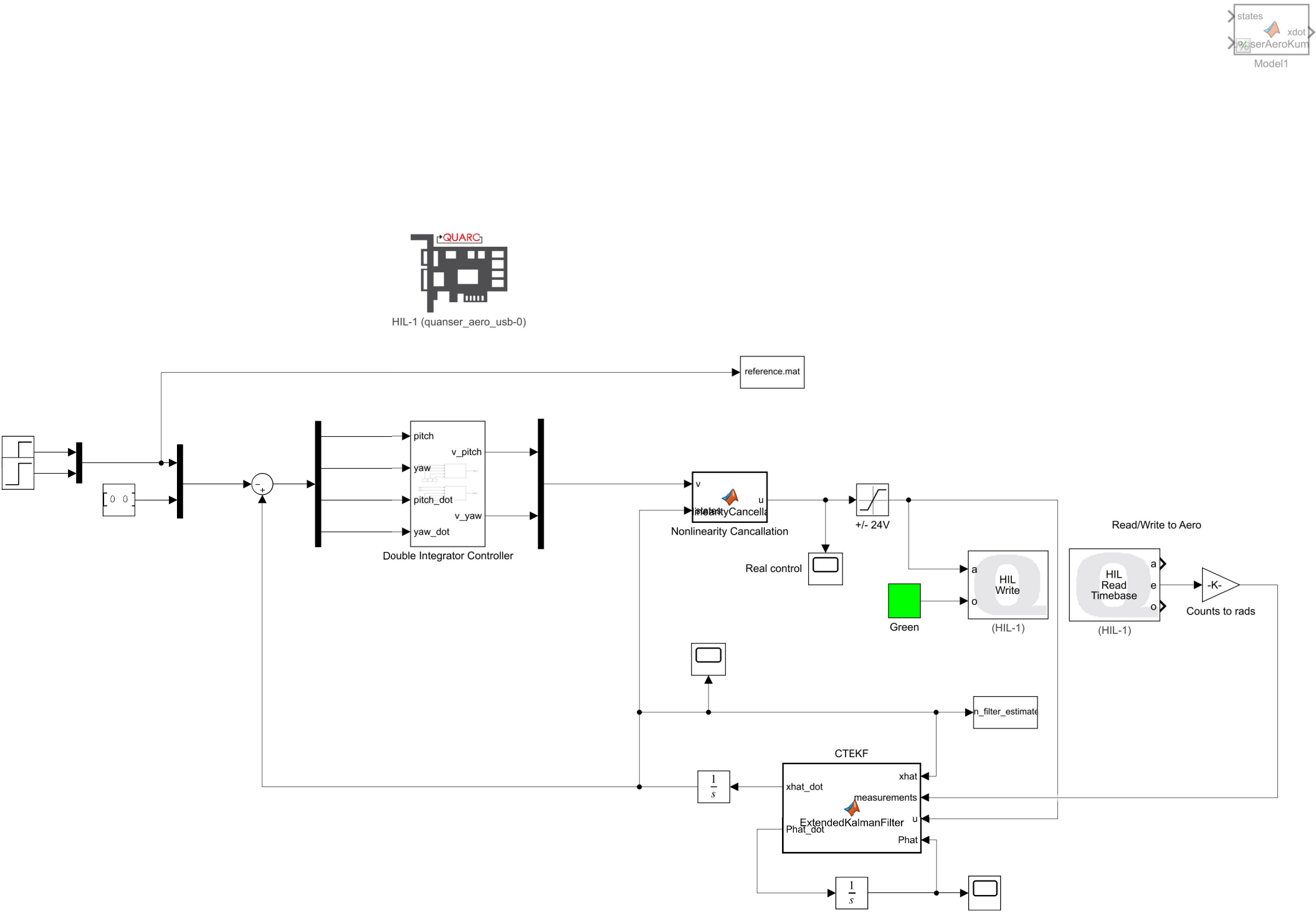
states
xdot
serAeroKum
Model1
QUARC
HIL-1 (quanser_aero_usb-0)
reference.mat
pitch
v_pitch
yaw
pitch_dot
v_yaw
yaw_dot
Double Integrator Controller
v
u
Nonlinearity Cancallation
+/- 24V
Real control
Green
a
o
HIL Write
(HIL-1)
Read/Write to Aero
HIL Read Timebase
(HIL-1)
-K-
Counts to rads
n_filter_estimate
CTEKF
xhat_dot
xhat
measurements
u
ExtendedKalmanFilter
Phat_dot
Phat