| Output Signals: States Bus |
| --- |
| V_e [m/s].Xdot [m/s] |
| V_e [m/s].Ydot [m/s] |
| V_e [m/s].Zdot [m/s] |
| X_e [m].X [m] |
| X_e [m].Y [m] |
| X_e [m].Z [m] |
| Nav.Geodetic Latitude [deg] |
| Nav.Geodetic Longitude [deg] |
| Nav.Altitude [m] |
| Nav.Alt (Above Mean Sea Level) [m] |
| Nav.AC on Ground |
| Nav.Alt (Above Ground Level) [m] |
| Nav.gndtrack [rad] |
| Nav.gamma [rad] |
| Euler [rad].phi [rad] |
| Euler [rad].theta [rad] |
| Euler [rad].psi [rad] |
| EulerDot [rad/s].phidot [rad/s] |
| EulerDot [rad/s].thetadot [rad/s] |
| EulerDot [rad/s].psidot [rad/s] |
| R_be [3x3] |
| V_b [m/s].u [m/s] |
| V_b [m/s].v [m/s] |
| V_b [m/s].w [m/s] |
| AngVel [rad/s].p [rad/s] |
| AngVel [rad/s].q [rad/s] |
| AngVel [rad/s].r [rad/s] |
| AngAccel [rad/s^2].pdot [rad/s^2] |
| AngAccel [rad/s^2].qdot [rad/s^2] |
| AngAccel [rad/s^2].rdot [rad/s^2] |
| A_b [m/s^2].udot [m/s^2] |
| A_b [m/s^2].vdot [m/s^2] |
| A_b [m/s^2].wdot [m/s^2] |
| InertialAccel [m/s^2].a_Xe [m/s^2] |
| InertialAccel [m/s^2].a_Ye [m/s^2] |
| InertialAccel [m/s^2].a_Ze [m/s^2] |
| WindAxesParam.V_s [m/s] |
| WindAxesParam.alpha [rad] |
| WindAxesParam.beta [rad] |
| AlphaBetaDot [rad/s].alphadot [rad/s] |
| AlphaBetaDot [rad/s].betadot [rad/s] |
| Mach Number.Mach Number |
| Accels [m/s^2].Ax [m/s^2] |
| Accels [m/s^2].Ay [m/s^2] |
| Accels [m/s^2].Az [m/s^2] |

| Output Signals: EnvData Bus |
| --- |
| Temperature [K] |
| Speed of Sound [m/s] |
| Pressure [Pa] |
| Density [kg/m^3] |
| SteadyWind [m/s].Vx_w [m/s] |
| SteadyWind [m/s].Vy_w [m/s] |
| SteadyWind [m/s].V_z [m/s] |
| WindGust [m/s].ug [m/s] |
| WindGust [m/s].vg [m/s] |
| WindGust [m/s].wg [m/s] |
| WindAngVel [rad/s].pg [rad/s] |
| WindAngVel [rad/s].qg [rad/s] |
| WindAngVel [rad/s].rg [rad/s] |
| Gravity [m/s^2] |
| Magnetic Field [nT] |

| Input Signals: Control Inputs Bus |
| --- |
| throttle [nd] |
| elevator [rad] |
| rudder  [rad] |
| l_aileron [rad] |
| r_aileron [rad] |
| l_flap [rad] |
| r_flap [rad] |