Report Generated by Test Manager

Title: **Branch: 1-hexarotorModelAddition**
Author: **Previous Commit Hash: 6d5e23e69e4f2df8dce1431f42d9a103a4080ff7**
Date: **06-May-2025 10:58:33**

Test Environment

Platform: PCWIN64
MATLAB: (R2024a)

Summary

Name	Outcome	Duration (Seconds)
Results: 2025-May-06 10:55:57	16 ✓	154.169
F16	9 ✓	143.079
Vehicle Tests	9 ✓	143.079
actuators	✓	7.171
Iteration1	✓	7.171
aero	✓	2.146
Iteration1	✓	2.146
ground contact	✓	1.341
inertial dynamics	✓	1.531
Iteration1	✓	1.531
vehicle	✓	7.888
Iteration1	✓	7.887
engine	✓	15.95
addFM	✓	0.882
Iteration1	✓	0.882
gravity	✓	0.828
FullSIL	✓	103.851
sensors	4 ✓	4.743
Sensor Tests	4 ✓	4.742
ins	✓	1.107
Iteration1	✓	1.106
adc	✓	1.003
Iteration1	✓	1.003
gps	✓	0.905
Iteration1	✓	0.905

sensors		1.499
Iteration1		1.5
environment	3	3.915
Environment Tests	3	3.915
Air		0.943
Iteration1		0.944
Earth		2.117
Iteration1		2.117
LocalTerrain		0.692
Iteration1		0.692

Results: 2025-May-06 10:55:57

Result Type:	Result Set
Parent:	None
Start Time:	06-May-2025 10:55:59
End Time:	06-May-2025 10:58:33
Outcome:	Total: 16, Passed: 16

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F16

Test Result Information

Result Type:	Test File Result
Parent:	Results: 2025-May-06 10:55:57
Start Time:	06-May-2025 10:55:59
End Time:	06-May-2025 10:58:22
Outcome:	Total: 9, Passed: 9

Test Suite Information

Name: F16

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Vehicle Tests

Test Result Information

Result Type:	Test Suite Result
Parent:	F16
Start Time:	06-May-2025 10:55:59
End Time:	06-May-2025 10:58:22
Outcome:	Total: 9, Passed: 9

Test Suite Information

Name: Vehicle Tests

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actuators

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:55:59
End Time:	06-May-2025 10:56:06
Outcome:	Passed

Test Case Information

Name:	actuators
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	actuators
Start Time:	06-May-2025 10:55:59
End Time:	06-May-2025 10:56:06
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.angVel_radps, 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(1), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(2), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(3), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(1), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(2), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(3), 0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posAileron_rad,0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posElevator_rad,0))

Test Sequence/.../verifyControllerDisarmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posRudder_rad,0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.angVel_radps, 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(1), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(2), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.forcesInBody_N(3), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(1), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(2), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.PropulsionBus.engineForcesMoments.momentsInBody_Nm(3), 0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posAileron_rad,0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posElevator_rad,0))

Test Sequence/.../verifyControllerArmed:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posRudder_rad,0))

Test Sequence/.../verifyAileronRate:verify(aileronCmdRate <= aileronDeflRateLimit_degps)

Test Sequence/.../verifyAileronLimit:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posAileron_rad, deg2rad(maxAilDefl_deg)))

Test Sequence/.../verifyNegAileronRate:verify(abs(aileronCmdRate) <= aileronDeflRateLimit_degps)

Test Sequence/.../verifyNegAileronLimit:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posAileron_rad, -deg2rad(maxAilDefl_deg)))

Test Sequence/.../verifyElevatorRate:verify(elevatorCmdRate <= elevatorDeflRateLimit_degps)

Test Sequence/.../verifyElevatorLimit:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posElevator_rad, deg2rad(maxElevatorDefl_deg)))

Test Sequence/.../verifyNegElevatorRate:verify(abs(elevatorCmdRate) <= elevatorDeflRateLimit_degps)

Test Sequence/.../verifyNegElevatorLimit:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posElevator_rad, -deg2rad(maxElevatorDefl_deg)))

Test Sequence/.../verifyRudderRate:verify(rudderCmdRate <= rudderDeflRateLimit_degps)

Test Sequence/.../verifyRudderMax:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posRudder_rad, deg2rad(maxRudderDefl_deg)))

Test Sequence/.../verifyNegRudderRate:verify(abs(rudderCmdRate) <= rudderDeflRateLimit_degps)

Test Sequence/.../verifyNegRudderMax:verify(isClose(actuatorBus.ServosBus.ServosF16Bus.posRudder_rad, -deg2rad(maxRudderDefl_deg)))

Simulation

System Under Test Information

Model:	actuators
Harness:	actuatorsTestHarness
Harness Owner:	actuators
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	actuatorsTestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	19.024000000000001
Checksum:	3551365890 3866025449 360308160 3413791725

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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aero

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:06
End Time:	06-May-2025 10:56:08
Outcome:	Passed

Test Case Information

Name:	aero
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	aero
Start Time:	06-May-2025 10:56:06
End Time:	06-May-2025 10:56:08
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.forcesInBody_N(1),0))

- Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.forcesInBody_N(2),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.forcesInBody_N(3),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(1),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(2),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(3),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(airDataBus.airspeedInBody_mps(1),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(airDataBus.airspeedInBody_mps(2),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(airDataBus.airspeedInBody_mps(3),0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(airDataBus.alpha_rad,0))
- Test Sequence1/.../verifyZeroOutputs:verify(isClose(airDataBus.beta_rad,0))
- Test Sequence1/.../verifyAirspeed:verify(aeroForcesMomentsBus.forcesInBody_N(1) < 0)
- Test Sequence1/.../verifyAirspeed:verify(isClose(aeroForcesMomentsBus.forcesInBody_N(2),0))
- Test Sequence1/.../verifyAirspeed:verify(aeroForcesMomentsBus.forcesInBody_N(3) < -20500 * lbf2N)
- Test Sequence1/.../verifyAirspeed:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(1),0))
- Test Sequence1/.../verifyAirspeed:verify(aeroForcesMomentsBus.momentsInBody_Nm(2) < 0)
- Test Sequence1/.../verifyAirspeed:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(3),0))
- Test Sequence1/.../verifyAirspeed:verify(isClose(airDataBus.airspeedInBody_mps(2),0))
- Test Sequence1/.../verifyAirspeed:verify(isClose(airDataBus.airspeedInBody_mps(3),0))
- Test Sequence1/.../verifyAirspeed:verify(isClose(airDataBus.alpha_rad,0))
- Test Sequence1/.../verifyAirspeed:verify(isClose(airDataBus.beta_rad,0))
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(aeroForcesMomentsBus.forcesInBody_N(2),0))
- Test Sequence1/.../verifyElevatorDeflection:verify(aeroForcesMomentsBus.forcesInBody_N(3) > cruiseZForce)
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(1),0))
- Test Sequence1/.../verifyElevatorDeflection:verify(aeroForcesMomentsBus.momentsInBody_Nm(2) > cruiseYMoment)
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(3),0))
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(airDataBus.airspeedInBody_mps(2),0))
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(airDataBus.airspeedInBody_mps(3),0))
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(airDataBus.alpha_rad,0))
- Test Sequence1/.../verifyElevatorDeflection:verify(isClose(airDataBus.beta_rad,0))
- Test Sequence1/.../verifyRudder:verify(aeroForcesMomentsBus.forcesInBody_N(2) > 0)
- Test Sequence1/.../verifyRudder:verify(aeroForcesMomentsBus.forcesInBody_N(3) < 0)
- Test Sequence1/.../verifyRudder:verify(aeroForcesMomentsBus.momentsInBody_Nm(1) > 0)
- Test Sequence1/.../verifyRudder:verify(aeroForcesMomentsBus.momentsInBody_Nm(2) < 0)
- Test Sequence1/.../verifyRudder:verify(aeroForcesMomentsBus.momentsInBody_Nm(3) < 0)
- Test Sequence1/.../verifyRudder:verify(isClose(airDataBus.airspeedInBody_mps(2),0))
- Test Sequence1/.../verifyRudder:verify(isClose(airDataBus.airspeedInBody_mps(3),0))
- Test Sequence1/.../verifyRudder:verify(isClose(airDataBus.alpha_rad,0))

Test Sequence1/.../verifyRudder:verify(isClose(airDataBus.beta_rad,0))

Test Sequence1/.../verifyAileron:verify(aeroForcesMomentsBus.momentsInBody_Nm(1) < 0)

Test Sequence1/.../verifyAileron:verify(isClose(aeroForcesMomentsBus.momentsInBody_Nm(2),cruiseYMoment))

Test Sequence1/.../verifyAileron:verify(aeroForcesMomentsBus.momentsInBody_Nm(3) < 0)

Test Sequence1/.../verifyAileron:verify(isClose(airDataBus.alpha_rad,0))

Test Sequence1/.../verifyAileron:verify(isClose(airDataBus.beta_rad,0))

Simulation

System Under Test Information

Model:	aero
Harness:	aeroTestHarness
Harness Owner:	aero
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	aeroTestHarness/Test Sequence1
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	22
Checksum:	2130377790 4206039669 1741698970 285533330

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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ground contact

Test Result Information

Result Type: Test Case Result
Parent: Vehicle Tests
Start Time: 06-May-2025 10:56:09
End Time: 06-May-2025 10:56:10
Outcome: Passed

Test Case Information

Name: ground contact
Type: Baseline Test

Verify Result

Name
Test Sequence1/.../verifyInitialization:verify(isVehicleAirborne == 0)
Test Sequence1/.../verifyInitialization:verify(groundCollision == 0)
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.forcesInBody_N(1),0))
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.forcesInBody_N(2),0))
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.forcesInBody_N(3),0))
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(1), 0))
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(2), 0))
Test Sequence1/.../verifyInitialization:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(3), 0))
Test Sequence1/.../verifyStationary:verify(isVehicleAirborne == 0)
Test Sequence1/.../verifyStationary:verify(groundCollision == 0)
Test Sequence1/.../verifyStationary:verify(isClose(groundForcesMomentsBus.forcesInBody_N(1), 0))
Test Sequence1/.../verifyStationary:verify(isClose(groundForcesMomentsBus.forcesInBody_N(2), 0))
Test Sequence1/.../verifyStationary:verify(isClose(groundForcesMomentsBus.forcesInBody_N(3), -9298.6 * 9.81))
Test Sequence1/.../verifyStationary:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(1), 0))
Test Sequence1/.../verifyStationary:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(2), 0))
Test Sequence1/.../verifyStationary:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(3), 0))
Test Sequence1/.../verifyFastTaxi:verify(isVehicleAirborne == 0)
Test Sequence1/.../verifyFastTaxi:verify(groundCollision == 0)
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.forcesInBody_N(1), 0))
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.forcesInBody_N(2), 0))
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.forcesInBody_N(3), -9298.6 * 9.81 + 20000))
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(1),0))
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(2),0))
Test Sequence1/.../verifyFastTaxi:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(3),0))
Test Sequence1/.../verifyFastTaxi:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(1), 0))

- Test Sequence1/.../verifyFastTaxi:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(2), 0))
- Test Sequence1/.../verifyFastTaxi:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(3), 0))
- Test Sequence1/.../verifyRotate:verify(isVehicleAirborne == 0)
- Test Sequence1/.../verifyRotate:verify(groundCollision == 0)
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.forcesInBody_N(1), 0))
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.forcesInBody_N(2), 0))
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.forcesInBody_N(3), -9298.6 * 9.81 + 20000))
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(1),0))
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(2),0))
- Test Sequence1/.../verifyRotate:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(3),0))
- Test Sequence1/.../verifyRotate:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(1), 0))
- Test Sequence1/.../verifyRotate:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(2), 0))
- Test Sequence1/.../verifyRotate:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(3), 0))
- Test Sequence1/.../verifyTakeoff:verify(isVehicleAirborne == 1)
- Test Sequence1/.../verifyTakeoff:verify(groundCollision == 0)
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.forcesInBody_N(1), 0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.forcesInBody_N(2), 0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.forcesInBody_N(3), 0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(1),0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(2),0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(groundForcesMomentsBus.momentsInBody_Nm(3),0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(1), 0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(2), 0))
- Test Sequence1/.../verifyTakeoff:verify(isClose(weightForcesMomentsBus.momentsInBody_Nm(3), 0))

Simulation

System Under Test Information

Model:	groundContact
Harness:	groundContactTestHarness
Harness Owner:	groundContact
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	groundContactTestHarness/Test Sequence1

Test Sequence Scenario:	Scenario_2
Start Time:	0
Stop Time:	2.028
Checksum:	1244405978 4079976263 897553408 2782662889

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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inertial dynamics

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:10
End Time:	06-May-2025 10:56:12
Outcome:	Passed

Test Case Information

Name:	inertial dynamics
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	inertial dynamics
Start Time:	06-May-2025 10:56:10
End Time:	06-May-2025 10:56:12
Outcome:	Passed

Test Case Information

Name: Iteration1
Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence1/.../Test1:verify(isClose(bodyStatesBus.aircraftPosInNED_m(1), 0.5*interval_time^2*aircraftForcesInNED_N(1)/aircraftMass + aircraftInitialPosInNED_m(1)))
Test Sequence1/.../Test1:verify(isClose(bodyStatesBus.aircraftVelInBody_mps(1), interval_time*aircraftForcesMomentsBus_forcesInBody_N(1)/aircraftMass + aircraftInitialVelInBody_mps(1)))
Test Sequence1/.../Test1:verify(isClose(bodyStatesBus.aircraftAccelInBody_mps2(1),aircraftForcesMomentsBus_forcesInBody_N(1)/aircraftMass))

Simulation

System Under Test Information

Model: inertialDynamics
Harness: inertialDynamicsTestHarness
Harness Owner: inertialDynamics
Release: Current
Simulation Mode: normal
Override SIL or PIL Mode: 0
Configuration Set: standardSILConfiguration
Test Sequence Block: inertialDynamicsTestHarness/Test Sequence1
Test Sequence Scenario: Scenario_1
Start Time: 0
Stop Time: 1.008
Checksum: 2740628208 4264647383 940722363 2610557463

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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vehicle

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:12
End Time:	06-May-2025 10:56:20
Outcome:	Passed

Test Case Information

Name:	vehicle
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	vehicle
Start Time:	06-May-2025 10:56:12
End Time:	06-May-2025 10:56:20
Outcome:	Passed

Test Case Information

Name:	Iteration1

Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(1), 0))
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(3), 0))
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(1),0))
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2),0))
Test Sequence/.../verifyZeroInputs:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(3),0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(1), 0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(3), 0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(1),0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2),0))
Test Sequence/.../verifyZeroInputsAgain:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(3),0))
Test Sequence/.../verifyThrottle:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(1) > 0)
Test Sequence/.../verifyThrottle:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
Test Sequence/.../verifyThrottle:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(3), 0))
Test Sequence/.../verifyThrottle:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(1),0))
Test Sequence/.../verifyThrottle:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2),0))
Test Sequence/.../verifyThrottle:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(3),0))
Test Sequence/.../verifyPitchIntoGround:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2), 0))
Test Sequence/.../verifyPitchIntoGround:verify(isClose(vehicleBus.BodyStates.aircraftEulerAngles_rad(2) , 0))
Test Sequence/.../verifyPitchIntoGround:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(3), 0))
Test Sequence/.../verifyPitchIntoGround:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(1) > 0)
Test Sequence/.../verifyPitchIntoGround:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
Test Sequence/.../verifydeflectElevator:verify(isClose(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2), 0, 'absTol', 0.01))
Test Sequence/.../verifydeflectElevator:verify(isClose(vehicleBus.BodyStates.aircraftEulerAngles_rad(2), 0, 'absTol', 0.01))
Test Sequence/.../verifydeflectElevator:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(3), 0, 'absTol', 0.01))

- Test Sequence/.../verifydeflectElevator:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(1) > 0)
- Test Sequence/.../verifydeflectElevator:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
- Test Sequence/.../verifyRotate:verify(vehicleBus.AircraftForcesMoments.momentsInBody_Nm(2) > 0)
- Test Sequence/.../verifyRotate:verify(vehicleBus.BodyStates.aircraftEulerAngles_rad(2) > 0)
- Test Sequence/.../verifyRotate:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(3) < 0)
- Test Sequence/.../verifyRotate:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(1) > 0)
- Test Sequence/.../verifyRotate:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))
- Test Sequence/.../verifyFlying:verify(vehicleBus.BodyStates.aircraftPosInNED_m(3) < 0)
- Test Sequence/.../verifyFlying:verify(vehicleBus.BodyStates.aircraftEulerAngles_rad(2) > 0)
- Test Sequence/.../verifyFlying:verify(vehicleBus.AircraftForcesMoments.forcesInBody_N(1) > 0)
- Test Sequence/.../verifyFlying:verify(isClose(vehicleBus.AircraftForcesMoments.forcesInBody_N(2), 0))

Simulation

System Under Test Information

Model:	F16
Harness:	F16TestHarness
Harness Owner:	F16
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	F16TestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	86.019999999999996
Checksum:	2148526880 2300801512 3029300974 1731738160

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

engine

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:20
End Time:	06-May-2025 10:56:36
Outcome:	Passed

Test Case Information

Name:	engine
Type:	Baseline Test

Verify Result

Name
Test Sequence/.../verifyControllerDisarm:verify(isClose(engineBus.engineForcesMoments.forcesInBody_N(1),0))
Test Sequence/.../verifyThorttle:verify(isClose(thrust_lbf, engineBus.engineForcesMoments.forcesInBody_N(1), 'atol', 1))
Test Sequence/.../verifyMaxThrust:verify(engineBus.engineForcesMoments.forcesInBody_N(1) < 130000)
Test Sequence/.../verifyMaxThrust:verify(isClose(thrust_lbf, engineBus.engineForcesMoments.forcesInBody_N(1), 'atol', 1))
Test Sequence/.../verifyWithAirspeed:verify(isClose(thrust_lbf, engineBus.engineForcesMoments.forcesInBody_N(1), 'atol', 1))
Test Sequence/.../verifyIncreaseAirspeed:verify(isClose(thrust_lbf, engineBus.engineForcesMoments.forcesInBody_N(1), 'atol', 1))
Test Sequence/.../verifyIncreaseAltitude:verify(isClose(thrust_lbf, engineBus.engineForcesMoments.forcesInBody_N(1), 'atol', 1))

Simulation

System Under Test Information

Model:	engineModelF16
Harness:	engineModelF16TestHarness
Harness Owner:	engineModelF16
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	engineModelF16TestHarness/Test Sequence

Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	38.003999999999998
Checksum:	3851107531 2498933023 2409488687 3277808361

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

addFM

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:36
End Time:	06-May-2025 10:56:37
Outcome:	Passed

Test Case Information

Name:	addFM
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	addFM
Start Time:	06-May-2025 10:56:36
End Time:	06-May-2025 10:56:37
Outcome:	Passed

Test Case Information

Name: Iteration1
Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence1/.../Test1:verify(all(isClose(aircraftForcesMomentsBus.forcesInBody_N, aeroForcesMomentsBus.forcesInBody_N + engineForcesMomentsBus.forcesInBody_N + groundForcesMomentsBus.forcesInBody_N + weightForcesMomentsBus.forcesInBody_N))
Test Sequence1/.../Test1:verify(all(isClose(aircraftForcesMomentsBus.momentsInBody_Nm, engineForcesMomentsBus.momentsInBody_Nm + aeroForcesMomentsBus.momentsInBody_Nm + weightForcesMomentsBus.momentsInBody_Nm)))
Test Sequence1/.../Test2:verify(all(isClose(aircraftForcesMomentsBus.forcesInBody_N, aeroForcesMomentsBus.forcesInBody_N + engineForcesMomentsBus.forcesInBody_N + groundForcesMomentsBus.forcesInBody_N + weightForcesMomentsBus.forcesInBody_N))
Test Sequence1/.../Test2:verify(all(isClose(aircraftForcesMomentsBus.momentsInBody_Nm, aeroForcesMomentsBus.momentsInBody_Nm + engineForcesMomentsBus.momentsInBody_Nm + weightForcesMomentsBus.momentsInBody_Nm)))
Test Sequence1/.../verifyPitchIntoGround:verify(all(isClose(aircraftForcesMomentsBus.forcesInBody_N, aeroForcesMomentsBus.forcesInBody_N + engineForcesMomentsBus.forcesInBody_N + groundForcesMomentsBus.forcesInBody_N + weightForcesMomentsBus.forcesInBody_N)))
Test Sequence1/.../verifyPitchIntoGround:verify(isClose(aircraftForcesMomentsBus.momentsInBody_Nm(1), 0))
Test Sequence1/.../verifyPitchIntoGround:verify(isClose(aircraftForcesMomentsBus.momentsInBody_Nm(2), engineForcesMomentsBus.momentsInBody_Nm(2) + aeroForcesMomentsBus.momentsInBody_Nm(2) + weightForcesMomentsBus.momentsInBody_Nm(2)))
Test Sequence1/.../verifyPitchIntoGround:verify(isClose(aircraftForcesMomentsBus.momentsInBody_Nm(3), engineForcesMomentsBus.momentsInBody_Nm(3) + aeroForcesMomentsBus.momentsInBody_Nm(3) + weightForcesMomentsBus.momentsInBody_Nm(3)))

Simulation

System Under Test Information

Model:	addFM
Harness:	addFMTestHarness
Harness Owner:	addFM
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	addFMTestHarness/Test Sequence1
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	3.016
Checksum:	2405791290 3021241631 2400769033 306058281

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

gravity

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:37
End Time:	06-May-2025 10:56:38
Outcome:	Passed

Test Case Information

Name:	gravity

Type: Baseline Test

Verify Result

Name
Test Sequence1/.../Test1:verify(isClose(weightForcesMoments.forcesInBody_N(1), 0))
Test Sequence1/.../Test1:verify(isClose(weightForcesMoments.forcesInBody_N(2), 0))
Test Sequence1/.../Test1:verify(isClose(weightForcesMoments.forcesInBody_N(3), weight_N))
Test Sequence1/.../Test1:verify(isClose(sum(weightForcesMoments.momentsInBody_Nm(1:3)), 0))
Test Sequence1/.../Test2:verify(isClose(weightForcesMoments.forcesInBody_N(1), -weight_N * sin(pitch_rad)))
Test Sequence1/.../Test2:verify(isClose(weightForcesMoments.forcesInBody_N(2), 0))
Test Sequence1/.../Test2:verify(isClose(weightForcesMoments.forcesInBody_N(3), weight_N * cos(pitch_rad)))
Test Sequence1/.../Test2:verify(isClose(sum(weightForcesMoments.momentsInBody_Nm(1:3)), 0))
Test Sequence1/.../Test3:verify(isClose(weightForcesMoments.forcesInBody_N(1), -weight_N * sin(pitch_rad)))
Test Sequence1/.../Test3:verify(isClose(weightForcesMoments.forcesInBody_N(2), weight_N * sin(roll_rad) * cos(pitch_rad)))
Test Sequence1/.../Test3:verify(isClose(weightForcesMoments.forcesInBody_N(3), weight_N * cos(roll_rad) * cos(pitch_rad)))
Test Sequence1/.../Test3:verify(isClose(sum(weightForcesMoments.momentsInBody_Nm(1:3)), 0))

Simulation

System Under Test Information

Model:	gravity
Harness:	gravityTestHarness
Harness Owner:	gravity
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	gravityTestHarness/Test Sequence1
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	0.028000000000000001
Checksum:	371801570 4075467097 1945074898 1201465379

Test Logs:

No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

FullSIL

Test Result Information

Result Type:	Test Case Result
Parent:	Vehicle Tests
Start Time:	06-May-2025 10:56:38
End Time:	06-May-2025 10:58:22
Outcome:	Passed

Test Case Information

Name:	FullSIL
Type:	Baseline Test

Simulation

System Under Test Information

Model:	VehiclePlant
Harness:	VehiclePlantTestHarness
Harness Owner:	VehiclePlant
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Start Time:	0
Stop Time:	280.00400000000002
Checksum:	1695921845 2707608492 535225901 2273894730

Test Logs:

No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

sensors

Test Result Information

Result Type:	Test File Result
Parent:	Results: 2025-May-06 10:55:57
Start Time:	06-May-2025 10:58:22
End Time:	06-May-2025 10:58:27
Outcome:	Total: 4, Passed: 4

Test Suite Information

Name: sensors

Back to Report Summary

Sensor Tests

Test Result Information

Result Type:	Test Suite Result
Parent:	sensors
Start Time:	06-May-2025 10:58:22
End Time:	06-May-2025 10:58:27
Outcome:	Total: 4, Passed: 4

Test Suite Information

Name: Sensor Tests

Back to Report Summary

ins

Test Result Information

Result Type:	Test Case Result
Parent:	Sensor Tests
Start Time:	06-May-2025 10:58:22
End Time:	06-May-2025 10:58:23
Outcome:	Passed

Test Case Information

Name:	ins
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	ins
Start Time:	06-May-2025 10:58:22
End Time:	06-May-2025 10:58:23
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.GyroSensorBus.x_radps, 0, 'atol', 0.01))

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.GyroSensorBus.y_radps, 0, 'atol', 0.01))

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.GyroSensorBus.z_radps, 0, 'atol', 0.01))

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.AccelSensorBus.x_mps2, 0, 'atol', 0.01))

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.AccelSensorBus.y_mps2, 0, 'atol', 0.01))

Test Sequence/.../checkInsStatic:verify(isClose(INSSensorBus.AccelSensorBus.z_mps2, 0, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.GyroSensorBus.x_radps, 0.1, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.GyroSensorBus.y_radps, 0.2, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.GyroSensorBus.z_radps, 0.3, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.MagSensorBus.x_Gauss, 0, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.MagSensorBus.y_Gauss, 0, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.MagSensorBus.z_Gauss, 0, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.AccelSensorBus.x_mps2, 1, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.AccelSensorBus.y_mps2, 2, 'atol', 0.01))

Test Sequence/.../checkInsDynamic:verify(isClose(INSSensorBus.AccelSensorBus.z_mps2, 3, 'atol', 0.01))

Simulation

System Under Test Information

Model:	ins
Harness:	insTestHarness
Harness Owner:	ins
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	insTestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	10.008000000000001
Checksum:	3180580520 4092729406 197588729 847202452

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

adc

Test Result Information

Result Type:	Test Case Result
Parent:	Sensor Tests
Start Time:	06-May-2025 10:58:23
End Time:	06-May-2025 10:58:24
Outcome:	Passed

Test Case Information

Name:	adc
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	adc
Start Time:	06-May-2025 10:58:23
End Time:	06-May-2025 10:58:24
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value

TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence/.../checkSensors:verify(isClose(ADCSensorBus.BaroSensorBus.altitude_m, 0, 'atol', 20))
Test Sequence/.../checkSensors:verify(isClose(ADCSensorBus.BaroSensorBus.pressure_pa, 101325, 'atol', 100))
Test Sequence/.../checkSensors:verify(isClose(ADCSensorBus.BaroSensorBus.temperature_degC, 15, 'atol', 2))
Test Sequence/.../checkSensors:verify(isClose(ADCSensorBus.DiffPressureSensorBus.differential_pressure_pa, 0, 'atol', 100))
Test Sequence/.../checkSensors:verify(isClose(ADCSensorBus.DiffPressureSensorBus.temperature_degC, 15, 'atol', 2))
Test Sequence/.../checkSensors10kft:verify(isClose(ADCSensorBus.BaroSensorBus.altitude_m, 3048, 'atol', 20))
Test Sequence/.../checkSensors10kft:verify(isClose(ADCSensorBus.BaroSensorBus.pressure_pa, 69681.66, 'atol', 100))
Test Sequence/.../checkSensors10kft:verify(isClose(ADCSensorBus.BaroSensorBus.temperature_degC, -4.8, 'atol', 2))
Test Sequence/.../checkSensors10kft:verify(isClose(ADCSensorBus.DiffPressureSensorBus.differential_pressure_pa, 0, 'atol', 100))
Test Sequence/.../checkSensors10kft:verify(isClose(ADCSensorBus.DiffPressureSensorBus.temperature_degC, -4.8, 'atol', 2))
Test Sequence/.../checkSensors20kft:verify(isClose(ADCSensorBus.BaroSensorBus.altitude_m, 6096, 'atol', 20))
Test Sequence/.../checkSensors20kft:verify(isClose(ADCSensorBus.BaroSensorBus.pressure_pa, 46563.26, 'atol', 100))
Test Sequence/.../checkSensors20kft:verify(isClose(ADCSensorBus.BaroSensorBus.temperature_degC, -24.624, 'atol', 2))
Test Sequence/.../checkSensors20kft:verify(isClose(ADCSensorBus.DiffPressureSensorBus.differential_pressure_pa, 0, 'atol', 100))
Test Sequence/.../checkSensors20kft:verify(isClose(ADCSensorBus.DiffPressureSensorBus.temperature_degC, -24.624, 'atol', 2))
Test Sequence/.../checkDiffPress:verify(ADCSensorBus.DiffPressureSensorBus.differential_pressure_pa > 0)

Simulation

System Under Test Information

Model:	adc
Harness:	adcTestHarness
Harness Owner:	adc
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	adcTestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0

Stop Time:	0.032000000000000001
Checksum:	2809421967 1308668717 4053094731 2792199182

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

gps

Test Result Information

Result Type:	Test Case Result
Parent:	Sensor Tests
Start Time:	06-May-2025 10:58:24
End Time:	06-May-2025 10:58:25
Outcome:	Passed

Test Case Information

Name:	gps
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	gps
Start Time:	06-May-2025 10:58:24
End Time:	06-May-2025 10:58:25
Outcome:	Passed

Test Case Information

Name: Iteration1
Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.lat_deg, referenceLatitude_deg))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.lon_deg, referenceLongitude_deg))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.alt_m, terrainHeightNED_m, 'atol', 0.5))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.vel_mps, 0, 'atol', 0.5))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.vel_n_mps, 0, 'atol', 0.5))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.vel_e_mps, 0, 'atol', 0.5))
Test Sequence/.../checkGpsStatic:verify(isClose(GPSSensorBus.vel_d_mps, 0, 'atol', 0.5))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.lat_deg, referenceLatitude_deg))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.lon_deg, referenceLongitude_deg))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.alt_m, 3048 + terrainHeightNED_m))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.vel_mps, norm([10 20 30]), 'rtol', 0.8))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.vel_n_mps, 10, 'rtol', 0.1))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.vel_e_mps, 20, 'rtol', 0.1))
Test Sequence/.../checkHighDynamic:verify(isClose(GPSSensorBus.vel_d_mps, 30, 'rtol', 0.1))

Simulation

System Under Test Information

Model: gps
Harness: gpsTestHarness
Harness Owner: gps
Release: Current
Simulation Mode: normal

Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	gpsTestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	0.016
Checksum:	1261040433 1750074340 274485945 283260561

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

sensors

Test Result Information

Result Type:	Test Case Result
Parent:	Sensor Tests
Start Time:	06-May-2025 10:58:25
End Time:	06-May-2025 10:58:27
Outcome:	Passed

Test Case Information

Name:	sensors
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	sensors

Start Time: 06-May-2025 10:58:25
End Time: 06-May-2025 10:58:27
Outcome: Passed

Test Case Information

Name: Iteration1
Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Simulation

System Under Test Information

Model: sensors
Harness: sensorsTestHarness
Harness Owner: sensors
Release: Current
Simulation Mode: normal
Override SIL or PIL Mode: 0
Configuration Set: standardSILConfiguration
Test Sequence Block: sensorsTestHarness/Test Sequence
Test Sequence Scenario: Scenario_1
Start Time: 0
Stop Time: 0.20000000000000001
Checksum: 3685639760 4247597233 3511659855 3311356939

Simulation Logs:
No data is logged for the model 'sensorsTestHarness'.

Back to Report Summary

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

environment

Test Result Information

Result Type:	Test File Result
Parent:	Results: 2025-May-06 10:55:57
Start Time:	06-May-2025 10:58:27
End Time:	06-May-2025 10:58:31
Outcome:	Total: 3, Passed: 3

Test Suite Information

Name:	environment

Back to Report Summary

Environment Tests

Test Result Information

Result Type:	Test Suite Result
Parent:	environment
Start Time:	06-May-2025 10:58:27
End Time:	06-May-2025 10:58:31
Outcome:	Total: 3, Passed: 3

Test Suite Information

Name:	Environment Tests

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Air

Test Result Information

Result Type:	Test Case Result
Parent:	Environment Tests
Start Time:	06-May-2025 10:58:27
End Time:	06-May-2025 10:58:28
Outcome:	Passed

Test Case Information

Name:	Air
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	Air
Start Time:	06-May-2025 10:58:27
End Time:	06-May-2025 10:58:28
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.windSpeedInNED_mps(1), 4))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.windSpeedInNED_mps(2), 3))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.windSpeedInNED_mps(3), 2))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.airTemperature_K, 288.15))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.airPressure_Pa, 1.01325e5))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.airDensity_kgpm3, 1.225))
Test Sequence/.../Test1:verify(isClose(AirEnvironmentBus.speedOfSound_mps, 340.29412435))

Simulation

System Under Test Information

Model:	Air
Harness:	AirTestHarness
Harness Owner:	Air
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	AirTestHarness/Test Sequence
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	3.004
Checksum:	2333579960 118194984 3293710571 2811700376

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

Earth

Test Result Information

Result Type:	Test Case Result
Parent:	Environment Tests
Start Time:	06-May-2025 10:58:28
End Time:	06-May-2025 10:58:30
Outcome:	Passed

Test Case Information

Name:	Earth
Type:	Baseline Test

Iteration1

Test Result Information

Result Type:	Test Iteration Result
Parent:	Earth
Start Time:	06-May-2025 10:58:28
End Time:	06-May-2025 10:58:30
Outcome:	Passed

Test Case Information

Name:	Iteration1
Type:	Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Verify Result

Name
Test Sequence1/.../verifyAircraftZChange:verify(gravLow_mps2 > EarthEnvironmentBus.gravityScalar_mps2)

Simulation

System Under Test Information

Model:	Earth
Harness:	EarthTestHarness
Harness Owner:	Earth
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	standardSILConfiguration
Test Sequence Block:	EarthTestHarness/Test Sequence1
Test Sequence Scenario:	Scenario_1
Start Time:	0
Stop Time:	7
Checksum:	1175429799 1798864983 927034458 1191542450

Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

Back to Report Summary

LocalTerrain

Test Result Information

Result Type:	Test Case Result
Parent:	Environment Tests
Start Time:	06-May-2025 10:58:30
End Time:	06-May-2025 10:58:31
Outcome:	Passed

Test Case Information

Name: LocalTerrain
Type: Baseline Test

Iteration1

Test Result Information

Result Type: Test Iteration Result
Parent: LocalTerrain
Start Time: 06-May-2025 10:58:30
End Time: 06-May-2025 10:58:31
Outcome: Passed

Test Case Information

Name: Iteration1
Type: Baseline Test

Iteration Settings

Test Overrides

Parameter Name	Value
TestSequenceScenario	Scenario_1

Simulation

System Under Test Information

Model: LocalTerrain
Harness: LocalTerrainTestHarness
Harness Owner: LocalTerrain
Release: Current
Simulation Mode: normal
Override SIL or PIL Mode: 0
Configuration Set: standardSILConfiguration
Test Sequence Block: LocalTerrainTestHarness/Test Sequence
Test Sequence Scenario: Scenario_1
Start Time: 0

Stop Time:	0.0040000000000000001
Checksum:	3805200661 3804672667 1828039431 394193071

Simulation Logs:
No data is logged for the model 'LocalTerrainTestHarness'.

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Test Logs:
No baseline criteria evaluation performed as no baseline data is available for this test.

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