Report Generated by Test Manager

Title: Helicopter outer loop test

Author: bpotter

Date: 13-Mar-2023 19:47:14

Test Environment

Platform: MACI64 MATLAB: (R2021b)

Summary

Outcome	Duration (Seconds)
6 🗷	441.908
2 🗷	160.549
8	90.629
8	67.55
2 🗷	137.053
8	66.231
8	70.57
2 🗷	143.551
8	71.011
8	72.053
	6 % 2 % % 2 % % 2 %

HeliLoopTest

Test Result Information

Result Type: Test File Result

Parent: None

Start Time: 13-Mar-2023 19:39:51 End Time: 13-Mar-2023 19:47:13 Outcome: Total: 6, Failed: 6

Test Suite Information

Name: HeliLoopTest

Back to Report Summary

Helicopter Pitch Control Test

Test Result Information

Result Type: Test Suite Result Parent: HeliLoopTest

Start Time: 13-Mar-2023 19:39:51 End Time: 13-Mar-2023 19:42:32 Outcome: Total: 2, Failed: 2

Test Suite Information

Name: Helicopter Pitch Control Test

Back to Report Summary

SmallPositiveStep

Test Result Information

Result Type: Test Case Result

Parent: Helicopter Pitch Control Test

Start Time: 13-Mar-2023 19:39:51 End Time: 13-Mar-2023 19:41:22 Outcome: Failed

Cause of Failure: Errors running test case

Description:

Pitch step of +1 degree to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallPositiveStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilceylan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

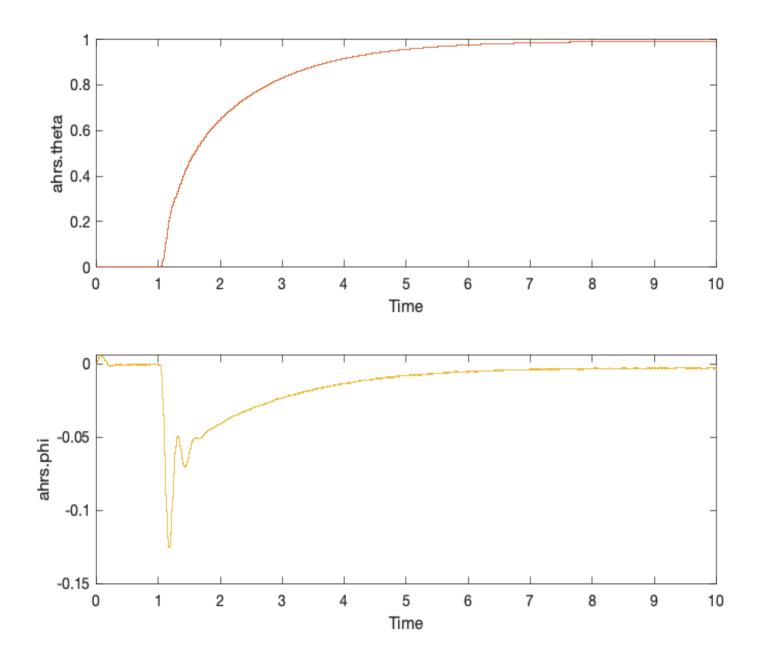
Max Step Size: 0.001

Simulation Start Time: 2023-03-13 19:39:52 Simulation Stop Time: Platform: 2023-03-13 19:41:19

MACI64

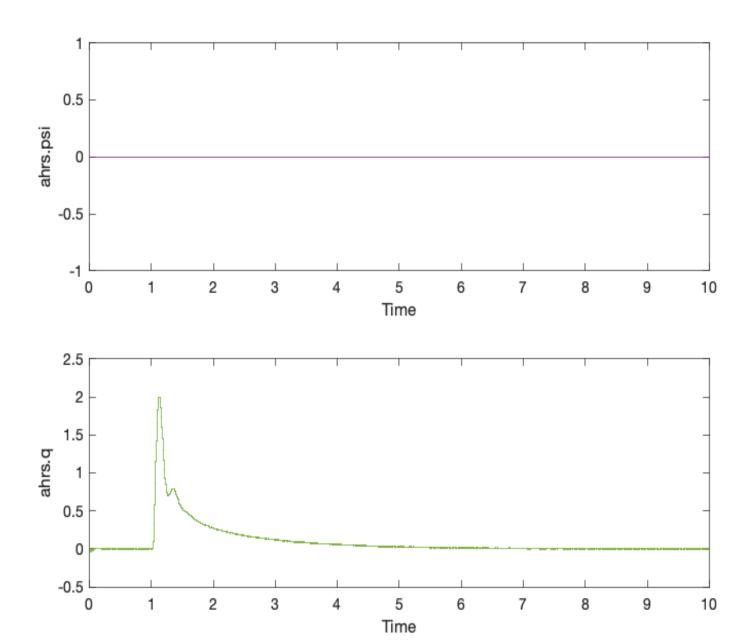
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plo t
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.valid	boolean		0.01	zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.theta	double	deg	0.01	zoh	union
ahrs.phi	double	deg	0.01	zoh	union

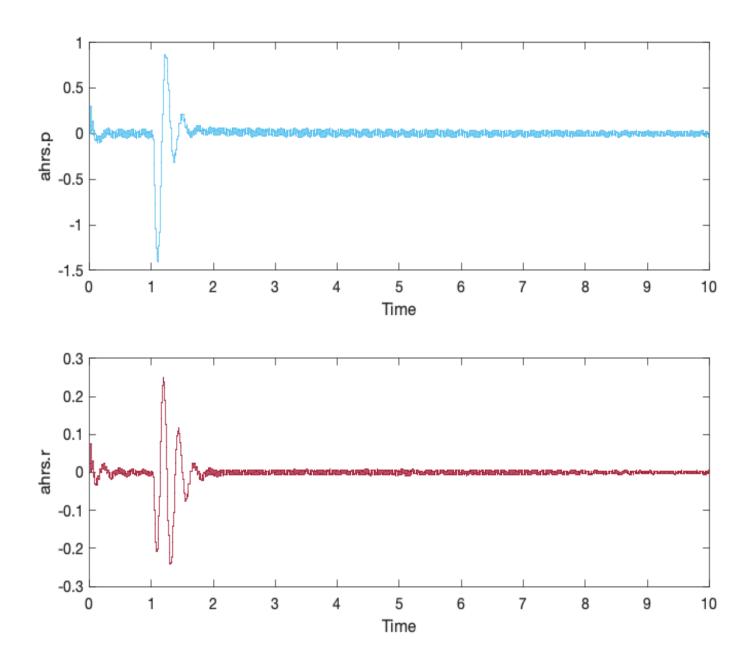


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union

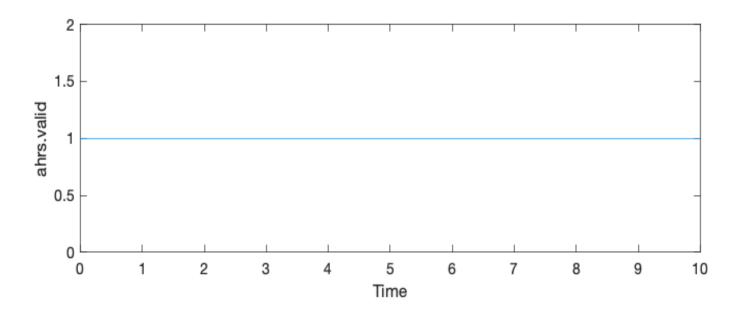


Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

Custom Criteria Result Information

Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase. Framework Diagnostic: verifyGreaterThanOrEqual passed. Actual Value: 0.881883992650967 Minimum Value (Inclusive): 0.6300000000000000 Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic	:
verifyLessThanOrEqua	ıl passed.
Actual Value:	
0.992909582950096	
Maximum Value (Inclu	sive):
1.1000000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in cus	tom criteria of sltest.testmanager.TestCase.
 Framework Diagnostic	:
verifyGreaterThanOrE	qual passed.
Actual Value:	
0.985486744763096	
Minimum Value (Inclus	sive):
0.9500000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in cus	tom criteria of sltest.testmanager.TestCase.
 Framework Diagnostic	:
	-

verifyLessThanOrEqual passed.

Actual Value:

0.992909582950096

Maximum Value (Inclusive):

1.0500000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result

Parent: Helicopter Pitch Control Test

Start Time: 13-Mar-2023 19:41:24 End Time: 13-Mar-2023 19:42:32

Outcome: Failed

Cause of Failure: Errors running test case

Description:

Pitch step of -1 degree to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallNegativeStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilceylan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

Max Step Size: 0.001

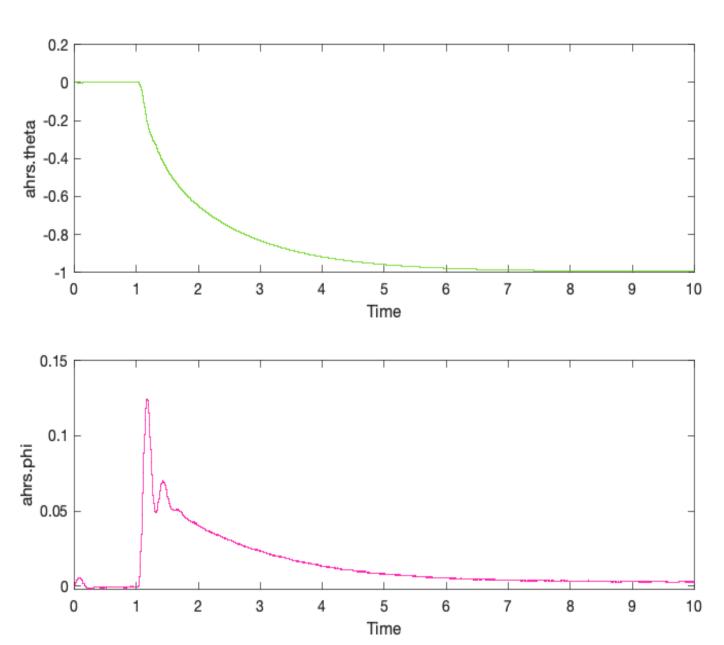
Simulation Start Time: 2023-03-13 19:41:24 Simulation Stop Time: 2023-03-13 19:42:29

Platform: MACI64

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plo t
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.valid	boolean	 -	0.01	zoh	union	<u>Link</u>

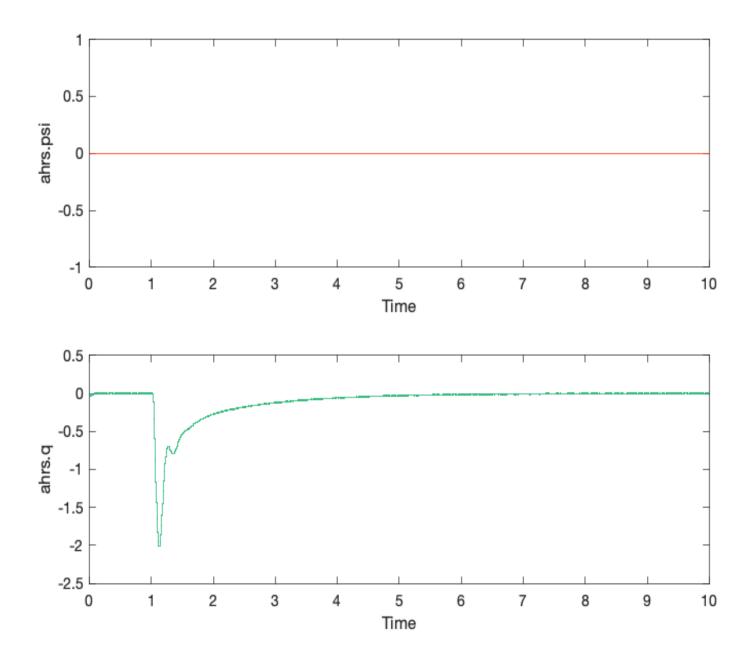
				1	
Name	Data Type	Units	Sample Time	Interp	Sync
	J F -			1	

ahrs.theta	 	double	i	deg	0.01	zoh	union
ahrs.phi	į	double	į	deg	0.01	zoh	union



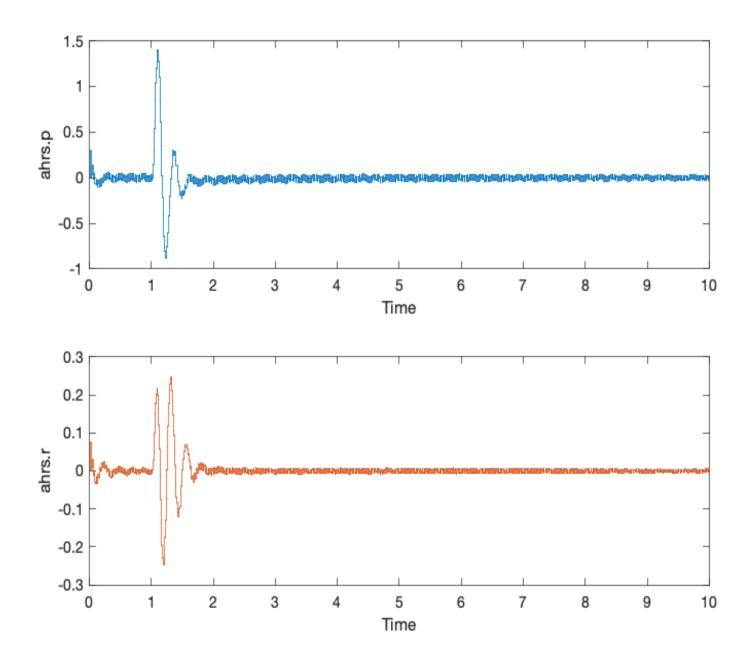
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union

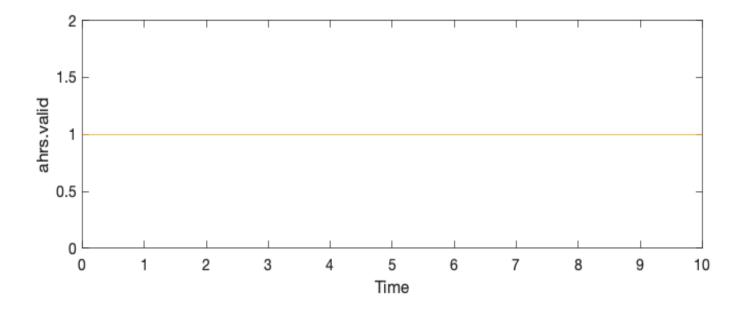


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

t <mark>ustom Criteria Result</mark> Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custor	m criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyLessThanOrEqual p	passed.
Actual Value:	
-0.882597437418119	
Maximum Value (Inclusiv -0.6300000000000000	≀e):
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custor	 m criteria of sltest.testmanager.TestCase.
 Framework Diagnostic:	
verifyGreaterThanOrEqu	al passed.

Actual Value: -0.993778249235710 Minimum Value (Inclusiv -1.10000000000000000	re):
Diagnostic Record: Outcome: Event:	Passed VerificationPassed
VerificationPassed in custor	m criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyGreaterThanOrEqu	al passed.
Actual Value: -0.993778249235710 Minimum Value (Inclusiv -1.0500000000000000	re):
Diagnostic Record: Outcome: Event:	Passed VerificationPassed
VerificationPassed in custor	m criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyLessThanOrEqual p	passed.
Actual Value:	

-0.986242399130543 Maximum Value (Inclusive): -0.950000000000000

Helicopter Roll Control Test

Test Result Information

Result Type: Test Suite Result Parent: HeliLoopTest

Start Time: 13-Mar-2023 19:42:32 End Time: 13-Mar-2023 19:44:49 Outcome: Total: 2, Failed: 2

Test Suite Information

Name: Helicopter Roll Control Test

Back to Report Summary

SmallPositiveStep

Test Result Information

Result Type: Test Case Result

Parent: Helicopter Roll Control Test

Start Time: 13-Mar-2023 19:42:32 End Time: 13-Mar-2023 19:43:39

Outcome: Failed

Cause of Failure: Errors running test case

Description:

Roll step of +1 degree to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallPositiveStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilcevlan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

Max Step Size: 0.001

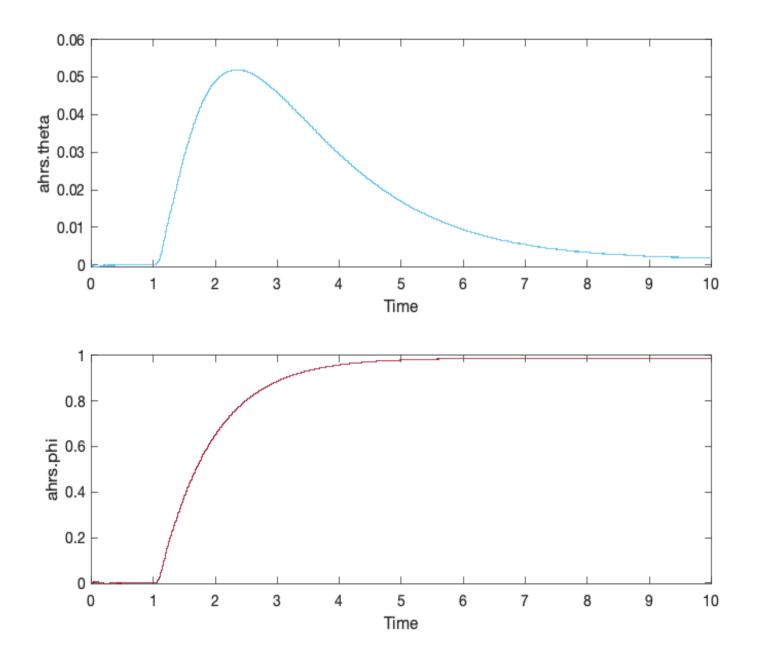
Simulation Start Time: 2023-03-13 19:42:32 Simulation Stop Time: 2023-03-13 19:43:36

Platform: MACI64

Name	Data Type	Units	Sample Time	Interp	Svnc	Link to Plo
1102110	2 1) po	021200	oumpre rame		j	t

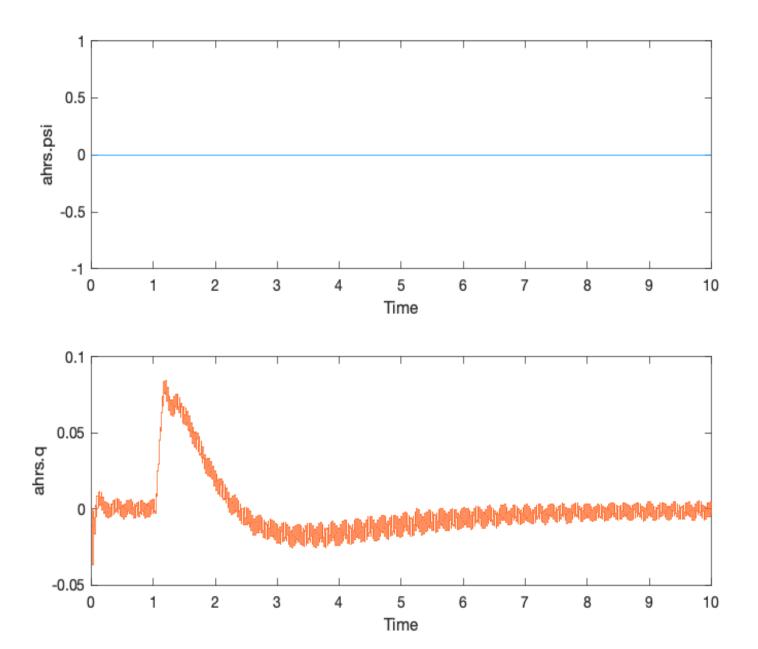
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.valid	boolean		0.01	zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.theta	double	deg	0.01	zoh	union
ahrs.phi	double	deg	0.01	zoh	union

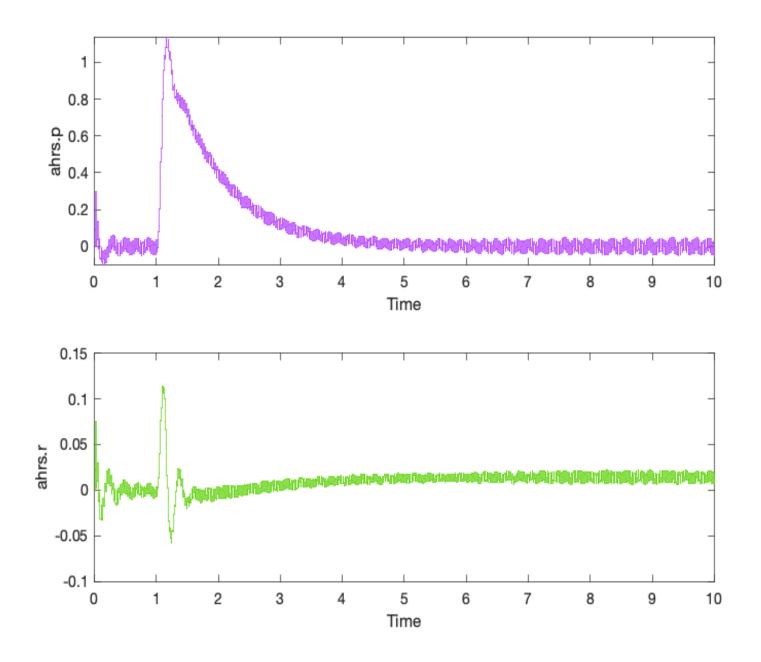


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.g	double	deg/sec	0.01	zoh	union

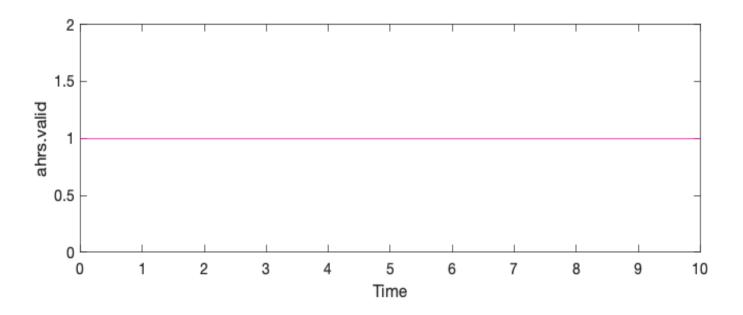


Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

Custom Criteria Result Information

Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase. Framework Diagnostic: verifyGreaterThanOrEqual passed. Actual Value: 0.933887104401271 Minimum Value (Inclusive): 0.6300000000000000 Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:	
verifyLessThanOrEqual pa	assed.
Actual Value:	
0.988871630368765	
Maximum Value (Inclusive	e):
1.1000000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custom	reriteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyGreaterThanOrEqua	ıl passed.
Actual Value:	
0.987742217227980	
Minimum Value (Inclusive	9):
0.950000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custom	n criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

verifyLessThanOrEqual passed.

Actual Value:

0.988871630368765

Maximum Value (Inclusive):

1.0500000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result

Parent: <u>Helicopter Roll Control Test</u>

Start Time: 13-Mar-2023 19:43:39 End Time: 13-Mar-2023 19:44:49

Outcome: Failed

Cause of Failure: Errors running test case

Description:

Roll step of -1 degree to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallNegativeStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilceylan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

Max Step Size: 0.001

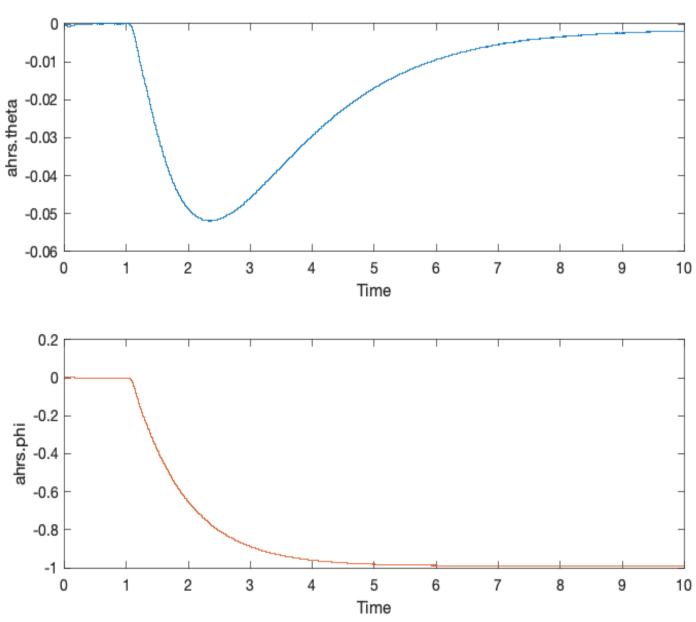
Simulation Start Time: 2023-03-13 19:43:39 Simulation Stop Time: 2023-03-13 19:44:47

Platform: MACI64

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plo t
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.valid	boolean	 -	0.01	zoh	union	<u>Link</u>

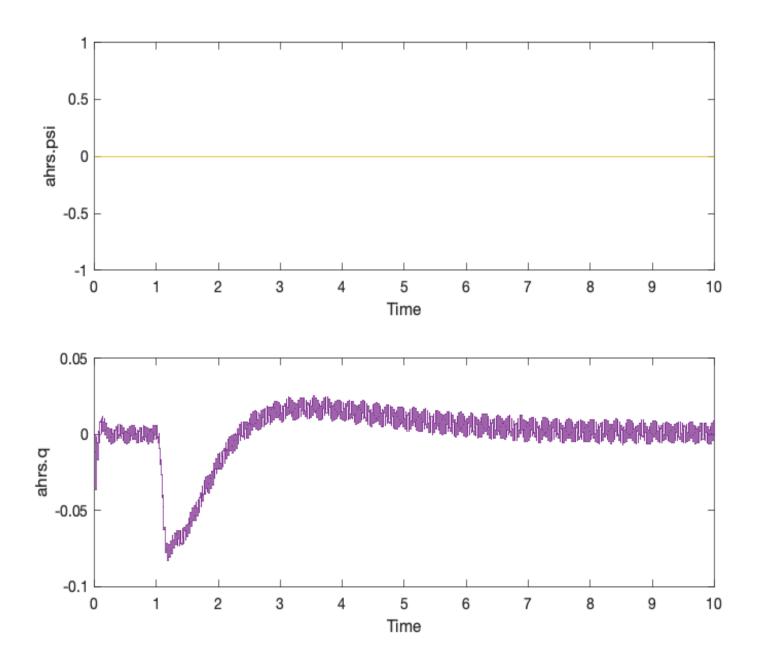
	1				
Name	Data Type	Units	Sample Time	Interp	Sync
1.02220		CILLED	ournpro ranto		

ahrs.theta	double	deg	0.01	zoh	union
ahrs.phi	double	deg	0.01	zoh	union
0					



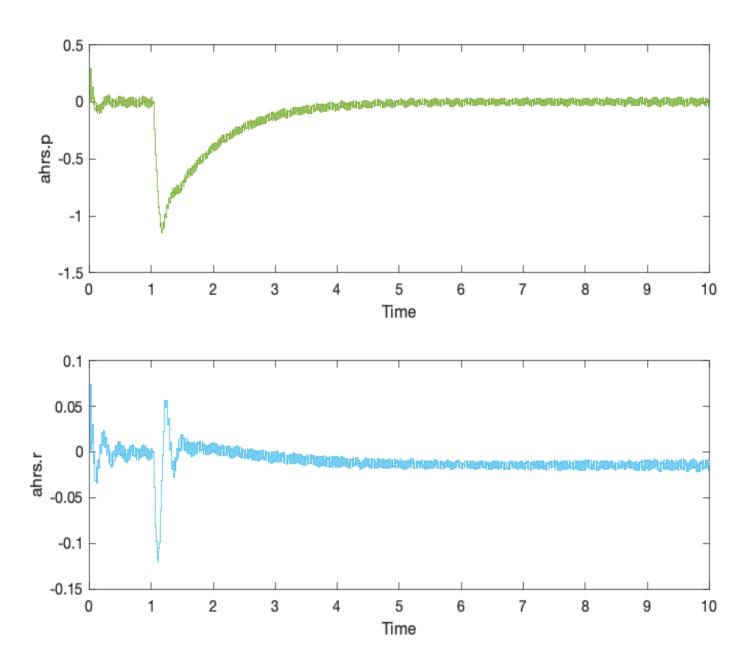
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union

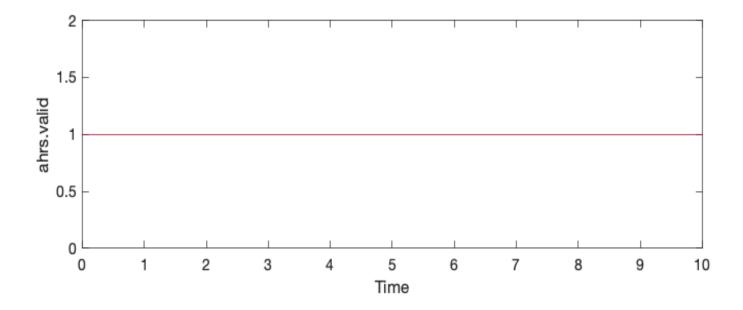


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

Custom Criteria Result Information Diagnostic Record: Outcome: Passed Event: VerificationPassed VerificationPassed in custom criteria of sltest.testmanager.TestCase. Framework Diagnostic: verifyLessThanOrEqual passed. Actual Value: -0.934684959248688 Maximum Value (Inclusive): -0.630000000000000 Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase. Framework Diagnostic:

verifyGreaterThanOrEqual passed.

Actual Value: -0.989788536394629 Minimum Value (Inclusiv -1.1000000000000000	ve):
Diagnostic Record: Outcome: Event:	Passed VerificationPassed
VerificationPassed in custo	om criteria of sltest.testmanager.TestCase.
 Framework Diagnostic:	
verifyGreaterThanOrEqu	ıal passed.
Actual Value: -0.989788536394629 Minimum Value (Inclusiv -1.0500000000000000	ve):
Diagnostic Record: Outcome: Event:	Passed VerificationPassed
VerificationPassed in custo	om criteria of sltest.testmanager.TestCase.
 Framework Diagnostic:	
verifyLessThanOrEqual	passed.
Actual Value:	

-0.988615869911273 Maximum Value (Inclusive): -0.950000000000000

Helicopter Yaw Control Test

Test Result Information

Result Type: Test Suite Result Parent: HeliLoopTest

Start Time: 13-Mar-2023 19:44:50 End Time: 13-Mar-2023 19:47:13 Outcome: Total: 2, Failed: 2

Test Suite Information

Name: Helicopter Yaw Control Test

Back to Report Summary

SmallPositiveStep

Test Result Information

Result Type: Test Case Result

Parent: <u>Helicopter Yaw Control Test</u>

Start Time: 13-Mar-2023 19:44:50 End Time: 13-Mar-2023 19:46:01

Outcome: Failed

Cause of Failure: Errors running test case

Description:

Yaw step of +1 degree/sec to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallPositiveStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilcevlan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

Max Step Size: 0.001

Simulation Start Time: 2023-03-13 19:44:50 Simulation Stop Time: 2023-03-13 19:45:58

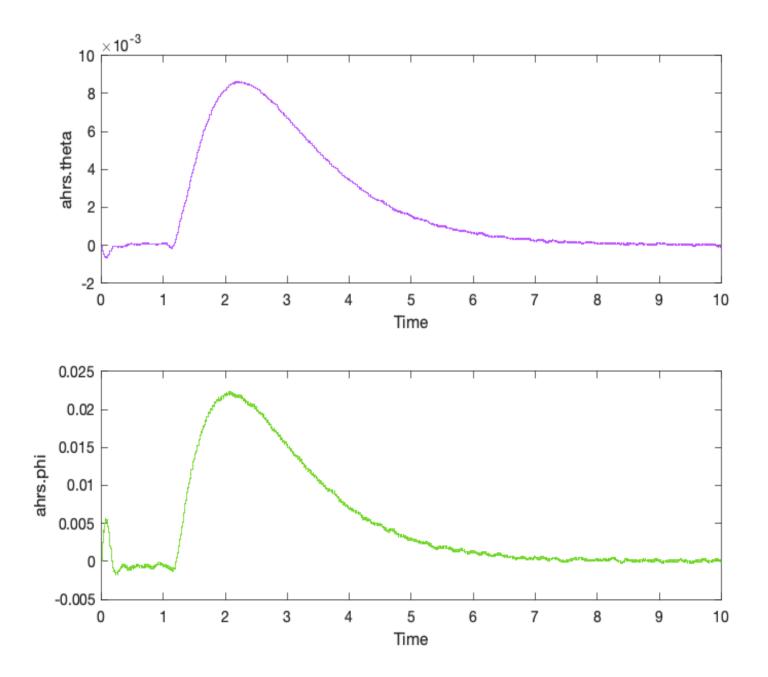
Platform: MACI64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Svnc	Link to Plo
1102110	2 1) po	1		IIII P	1 0,110	t

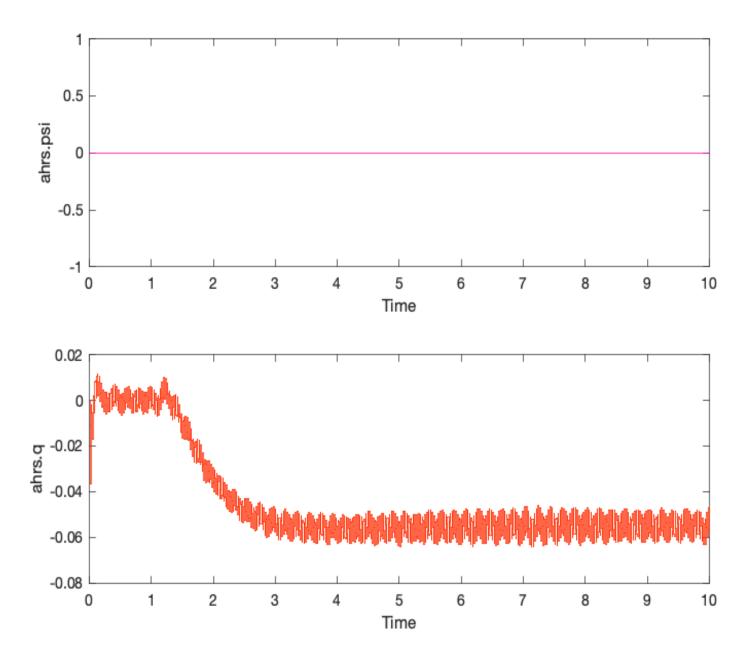
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>	
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>	
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>	
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>	
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>	
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>	
ahrs.valid	boolean		0.01	zoh	union	<u>Link</u>	

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.theta	double	deg	0.01	zoh	union
ahrs.phi	double	deg	0.01	zoh	union

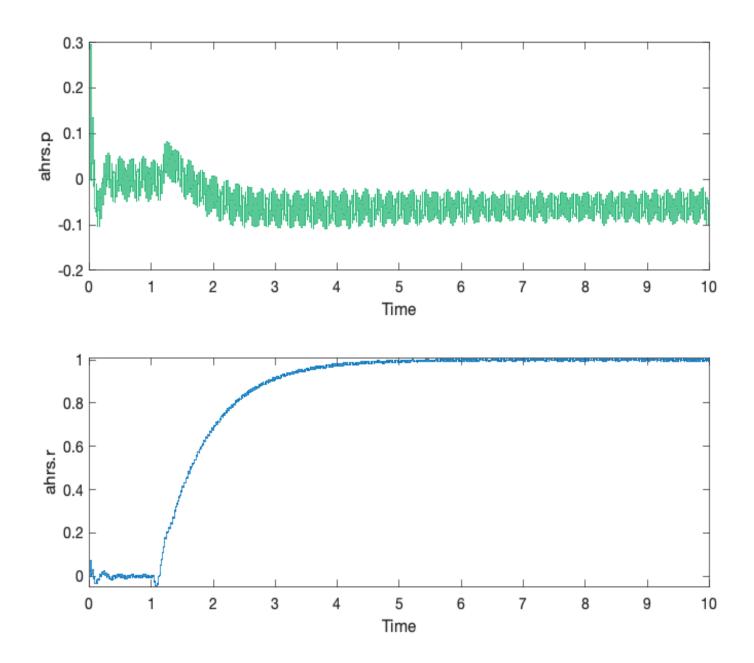


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.g	double	deg/sec	0.01	zoh	union

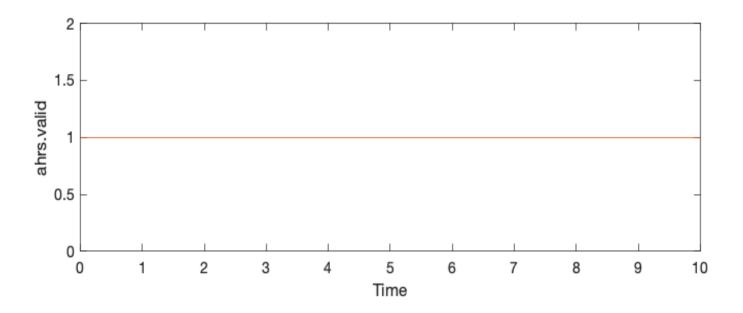


Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync	
ahrs.valid	boolean		0.01	zoh	union	



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

Custom Criteria Result Information

Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase. Framework Diagnostic: verifyGreaterThanOrEqual passed. Actual Value: 0.949767089376463 Minimum Value (Inclusive): 0.6300000000000000 Diagnostic Record: Outcome: Passed VerificationPassed Event: VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:	
verifyLessThanOrEqual pa	assed.
Actual Value:	
1.006238215674025	
Maximum Value (Inclusive	e):
1.100000000000000	
Diagnostic Record:	_
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custom	criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyGreaterThanOrEqua	l passed.
Actual Value:	
0.993349042507627	
Minimum Value (Inclusive	e):
0.950000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
VerificationPassed in custom	criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

verifyLessThanOrEqual passed.

Actual Value:

1.006238215674025

Maximum Value (Inclusive):

1.0500000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result

Parent: Helicopter Yaw Control Test

Start Time: 13-Mar-2023 19:46:01 End Time: 13-Mar-2023 19:47:13

Outcome: Failed

Cause of Failure: Errors running test case

Description:

Yaw step of -1 degree/sec to determine tracking, overshoot and rise time.

Test Case Information

Name: SmallNegativeStep Type: Simulation Test

Test Case Requirements

Description: SR_6 Attitude Rate Tracking Performance Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

Model: HelicopterSystem

Release: Current Simulation Mode: normal

Override SIL or PIL 0

Mode:

Configuration Set: Configuration

Start Time: 0 Stop Time: 10

Checksum: 1586847677 4225503582 1882141524 4061007587

Simulink Version: 10.4 Model Version: 1.24 Model Author: bpotter

Date: Mon May 11 15:42:30 2020

User ID: halilceylan

Model Path: /Users/halilceylan/Desktop/AnSyMo-Simulink-

Mutator/matlab_workspace/heli/work/

HelicopterSystem.slx

Solver Name: ode23t

Solver Type: Variable-Step

Max Step Size: 0.001

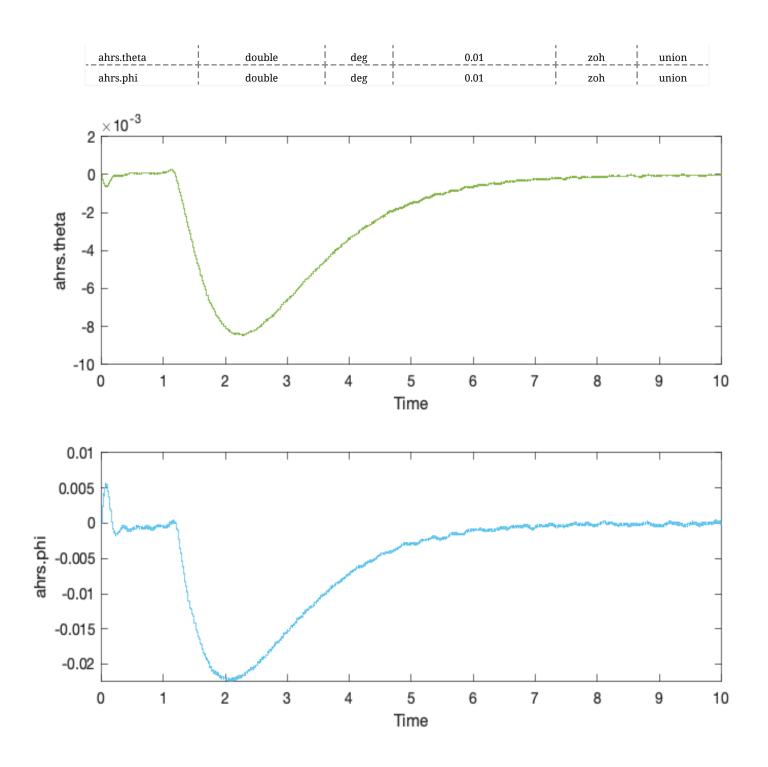
Simulation Start Time: 2023-03-13 19:46:01 Simulation Stop Time: 2023-03-13 19:47:11

Platform: MACI64

Simulation Output

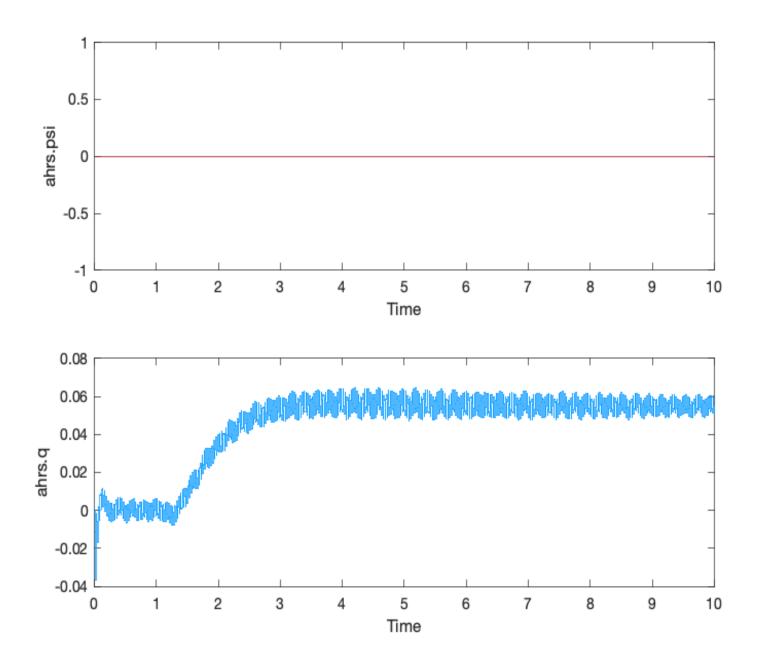
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plo t
ahrs.theta	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.phi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.psi	double	deg	0.01	zoh	union	<u>Link</u>
ahrs.q	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.p	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.r	double	deg/sec	0.01	zoh	union	<u>Link</u>
ahrs.valid	boolean		0.01	zoh	union	<u>Link</u>

Name	Data Type	Units	Sample Time	Intern	Svnc
runic	Duta Type	Cilita	ounipic Thire	interp	Joyne



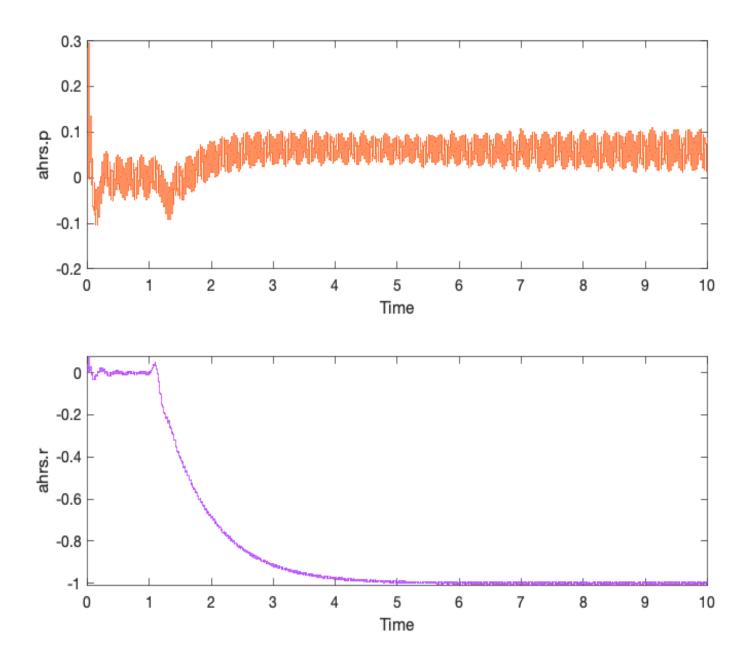
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union

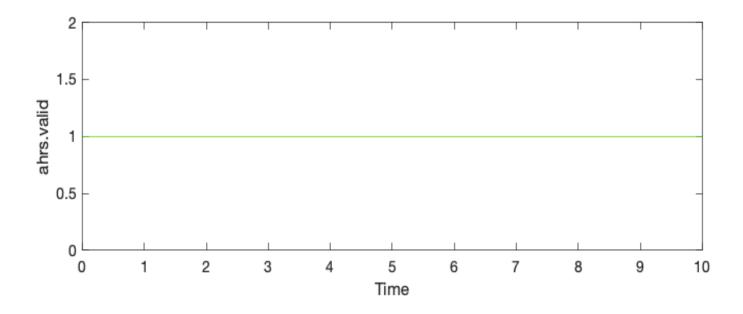


Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union



Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Simulation Error:

Input argument #1 is an invalid cvdata object. CVDATA objects become invalid when their associated models are closed or modified

Back to Report Summary

Outcome: Event:	Passed VerificationPassed
Zvent.	vermeation asset
 VerificationPassed in cust	om criteria of sltest.testmanager.TestCas
Framework Diagnostic:	
verifyLessThanOrEqua	l passed.
Actual Value:	
-0.949788312836835	
Maximum Value (Inclus	sive):
-0.6300000000000000	
Diagnostic Record:	
Outcome:	Passed
Event:	VerificationPassed
 VerificationPassed in cust	om criteria of sltest.testmanager.TestCas
Framework Diagnostic:	

Actual Value: -1.008096211540845 Minimum Value (Inclusiv -1.1000000000000000	re):
Diagnostic Record: Outcome: Event:	Passed VerificationPassed
VerificationPassed in custor	m criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyGreaterThanOrEqu	al passed.
Actual Value: -1.008096211540845 Minimum Value (Inclusiv -1.0500000000000000	re):
Diagnostic Record:	
Outcome: Event:	Passed VerificationPassed
VerificationPassed in custon	m criteria of sltest.testmanager.TestCase.
Framework Diagnostic:	
verifyLessThanOrEqual p	passed.
Actual Value:	

-0.992345449070606 Maximum Value (Inclusive): -0.950000000000000
