Report Generated by Test Manager

Title: **Helicopter outer loop test**
Author: **bpotter**
Date: **13-Mar-2023 17:47:48**

Test Environment

Platform: MACI64
MATLAB: (R2021b)

Summary

Name	Outcome	Duration (Seconds)
HeliLoopTest	6	430.449
Helicopter Pitch Control Test	2	156.721
SmallPositiveStep		87.828
SmallNegativeStep		68.859
Helicopter Roll Control Test	2	136.756
SmallPositiveStep		68.6
SmallNegativeStep		68.145
Helicopter Yaw Control Test	2	136.902
SmallPositiveStep		69.649
SmallNegativeStep		67.238

HeliLoopTest

Test Result Information

Result Type:	Test File Result
Parent:	None
Start Time:	13-Mar-2023 17:40:31
End Time:	13-Mar-2023 17:47:42
Outcome:	Total: 6, Passed: 6

Test Suite Information

Name:	HeliLoopTest

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Helicopter Pitch Control Test

Test Result Information

Result Type:	Test Suite Result
Parent:	HeliLoopTest
Start Time:	13-Mar-2023 17:40:31
End Time:	13-Mar-2023 17:43:08
Outcome:	Total: 2, Passed: 2

Test Suite Information

Name:	Helicopter Pitch Control Test

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SmallPositiveStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Pitch Control Test
Start Time:	13-Mar-2023 17:40:31
End Time:	13-Mar-2023 17:41:59

Outcome: Passed
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

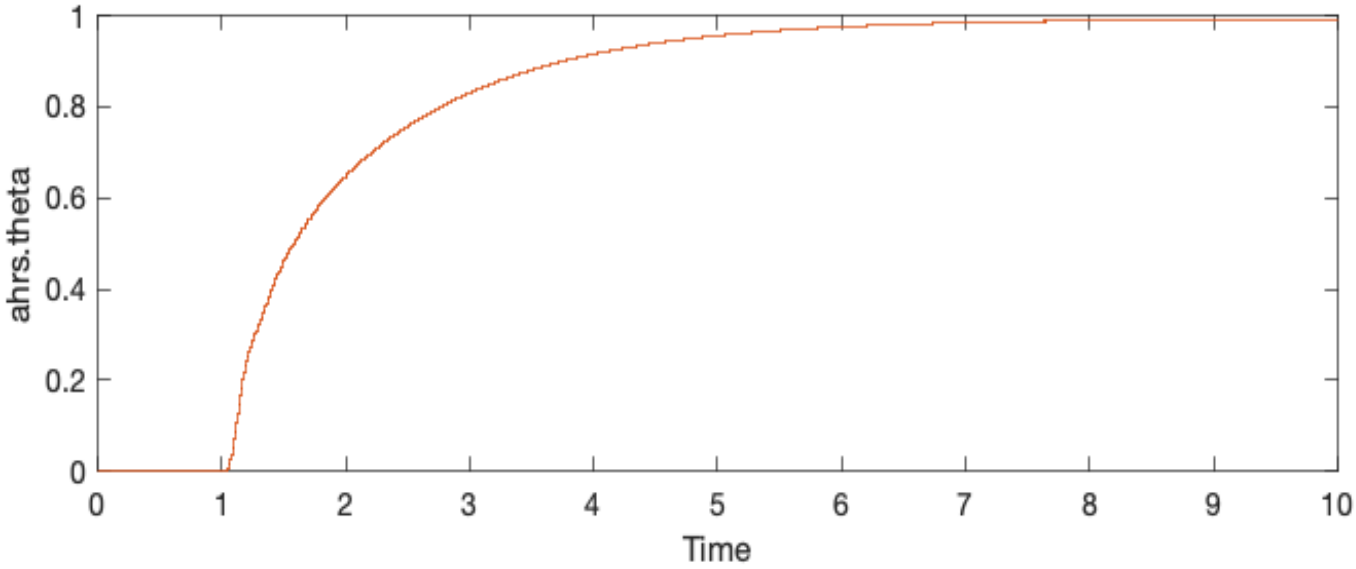
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
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 17:40:32

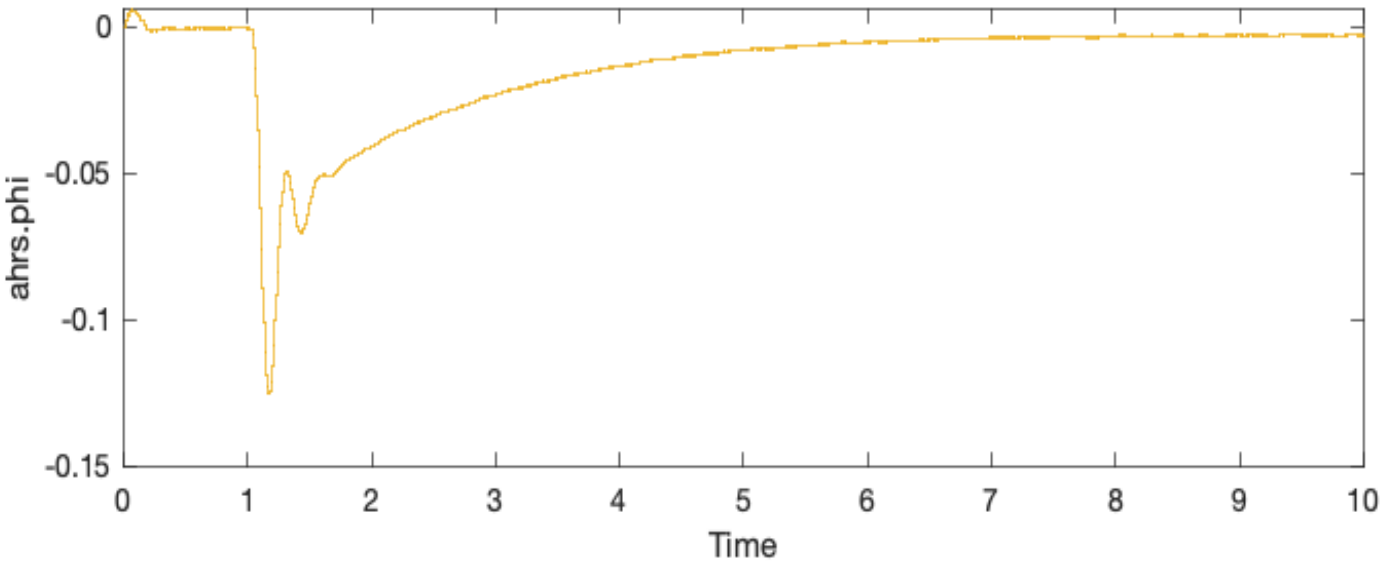
Simulation Stop Time: 2023-03-13 17:41:53
Platform: MACI64

Simulation Output

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

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





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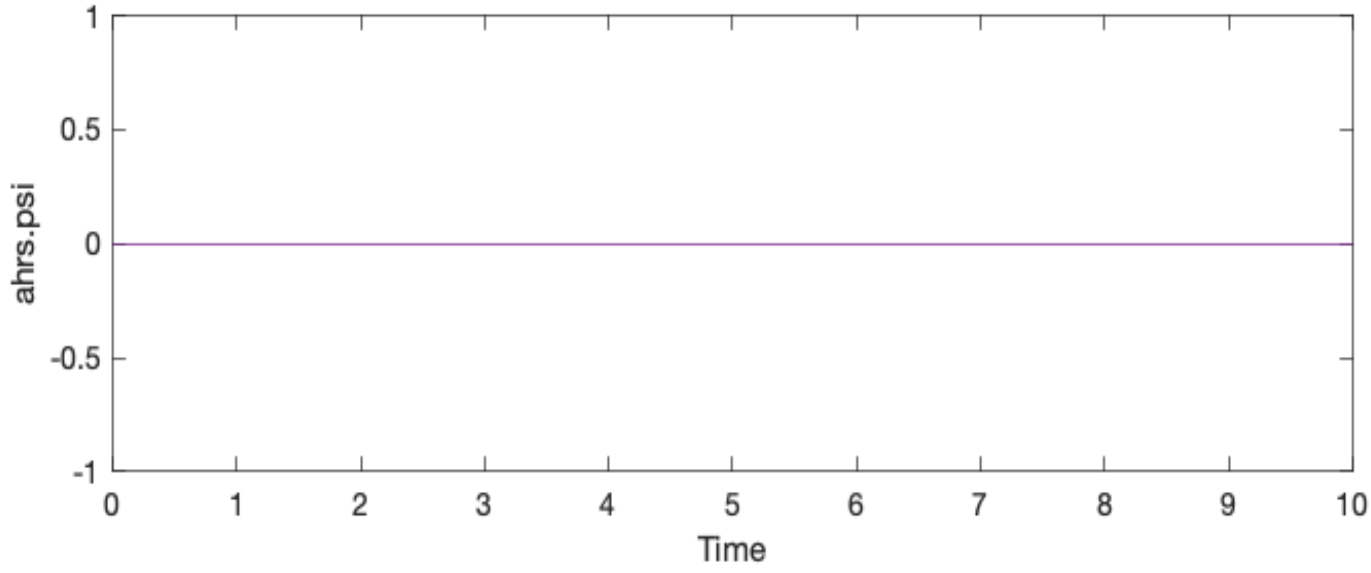
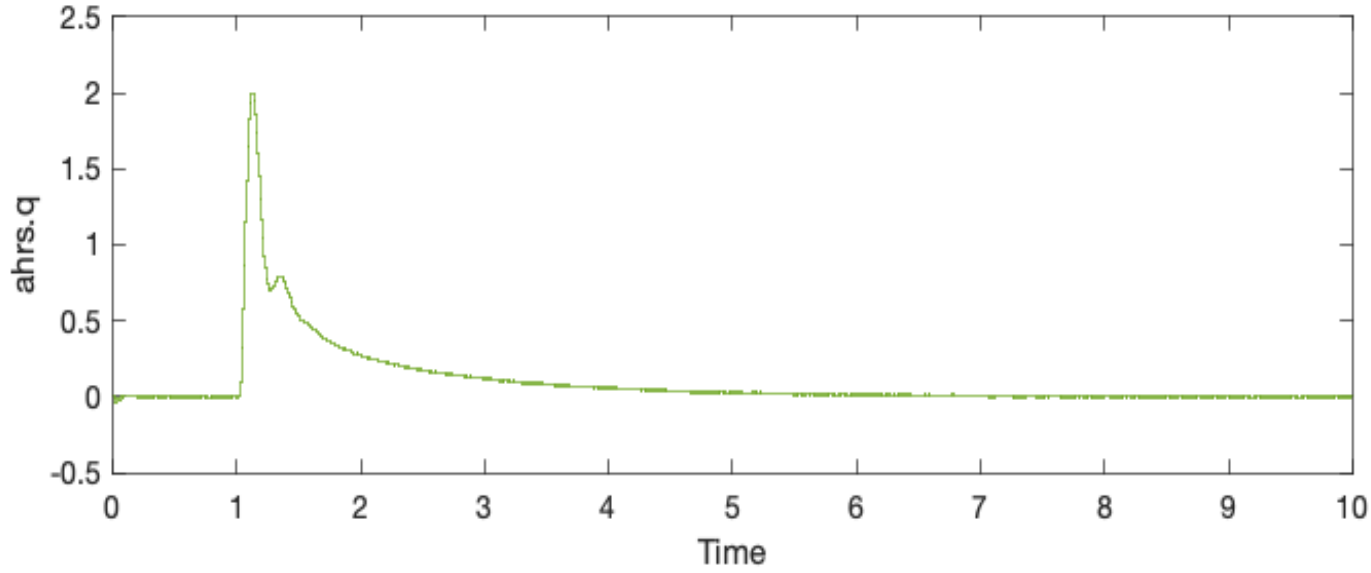
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union





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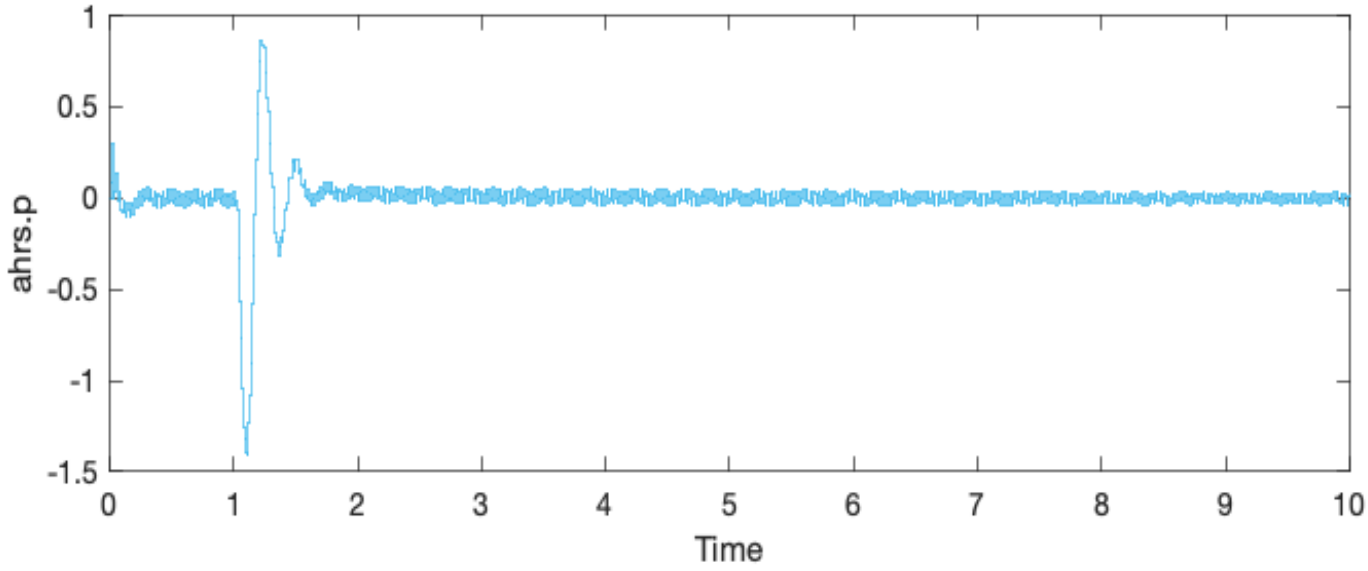
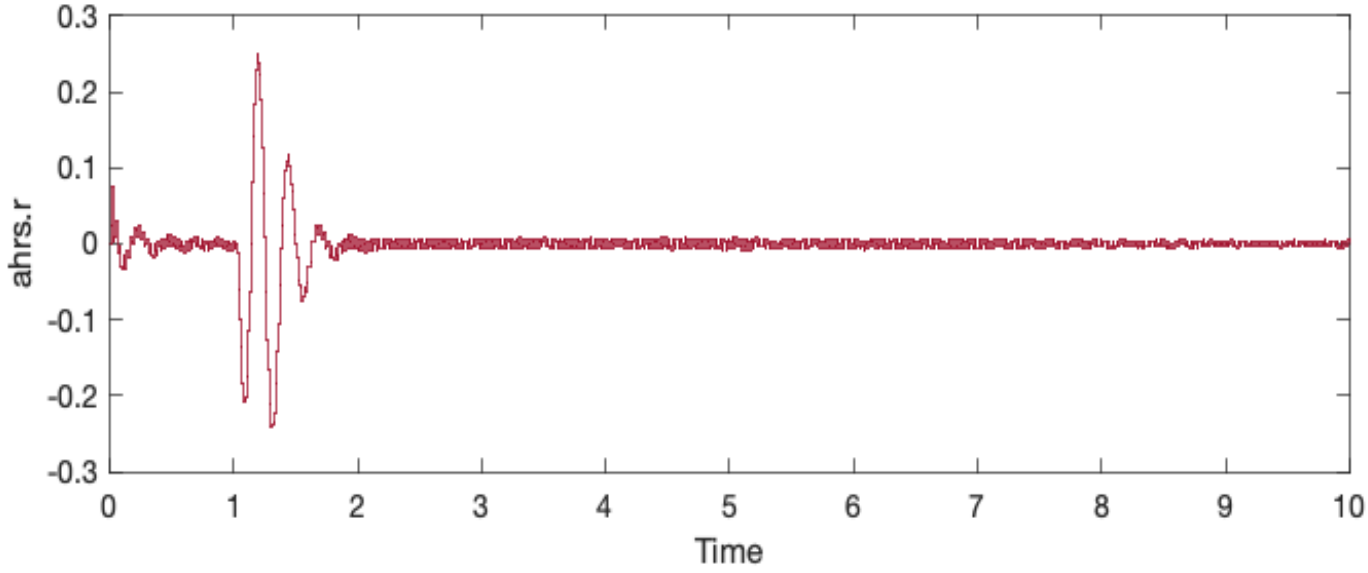
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





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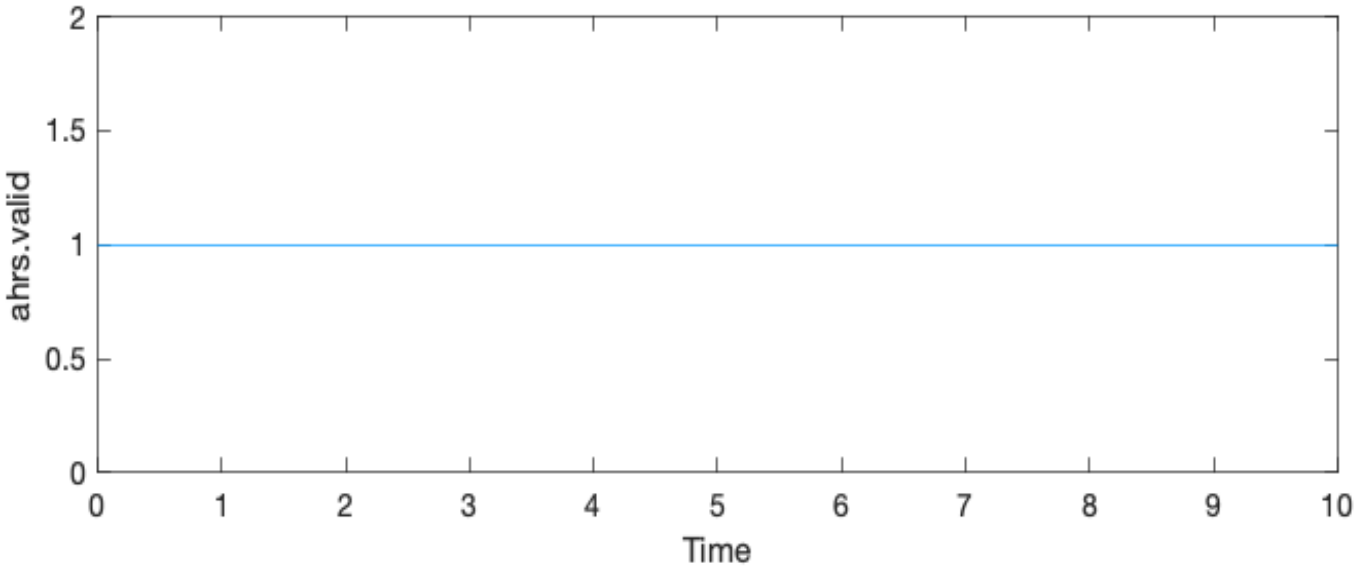
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



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Custom Criteria Result Information

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.881883992650967
Minimum Value (Inclusive):
0.630000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
0.992909582950096
Maximum Value (Inclusive):
1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.985486744763096
Minimum Value (Inclusive):
0.950000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
0.992909582950096
Maximum Value (Inclusive):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Pitch Control Test
Start Time:	13-Mar-2023 17:41:59
End Time:	13-Mar-2023 17:43:08
Outcome:	Passed
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

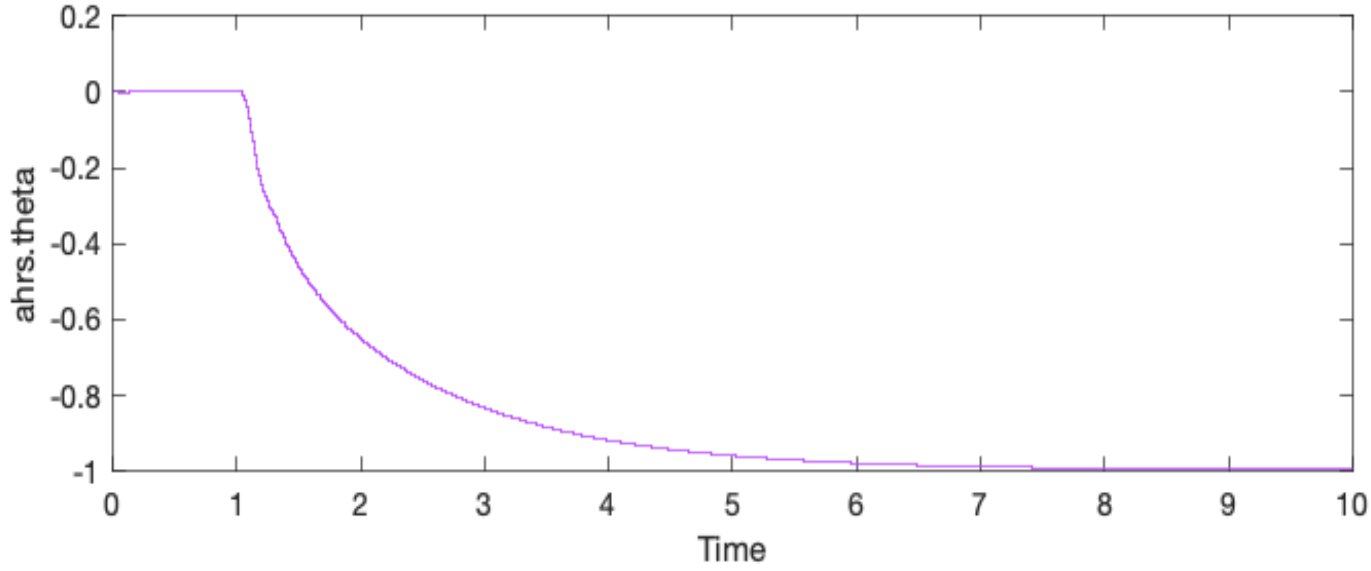
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4

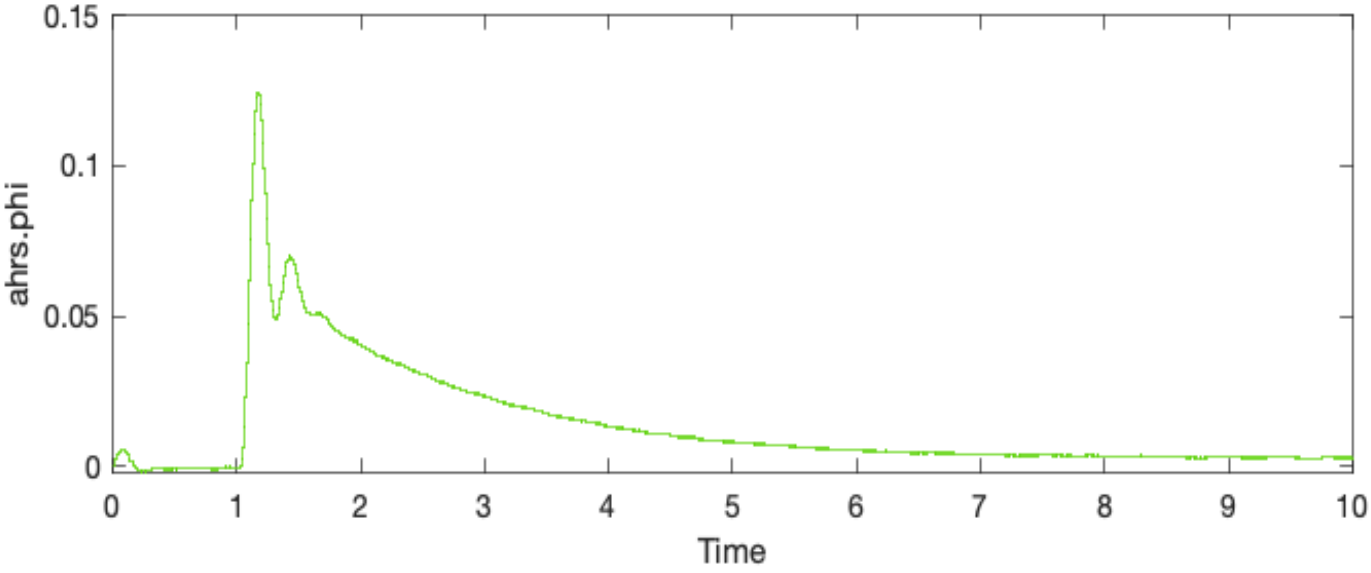
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
User ID:	halilceylan
Model Path:	/Users/halilceylan/Desktop/AnSyMo-Simulink-Mutator/matlab_workspace/heli/work/HelicopterSystem.slx
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2023-03-13 17:41:59
Simulation Stop Time:	2023-03-13 17:43:05
Platform:	MACI64

Simulation Output

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

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





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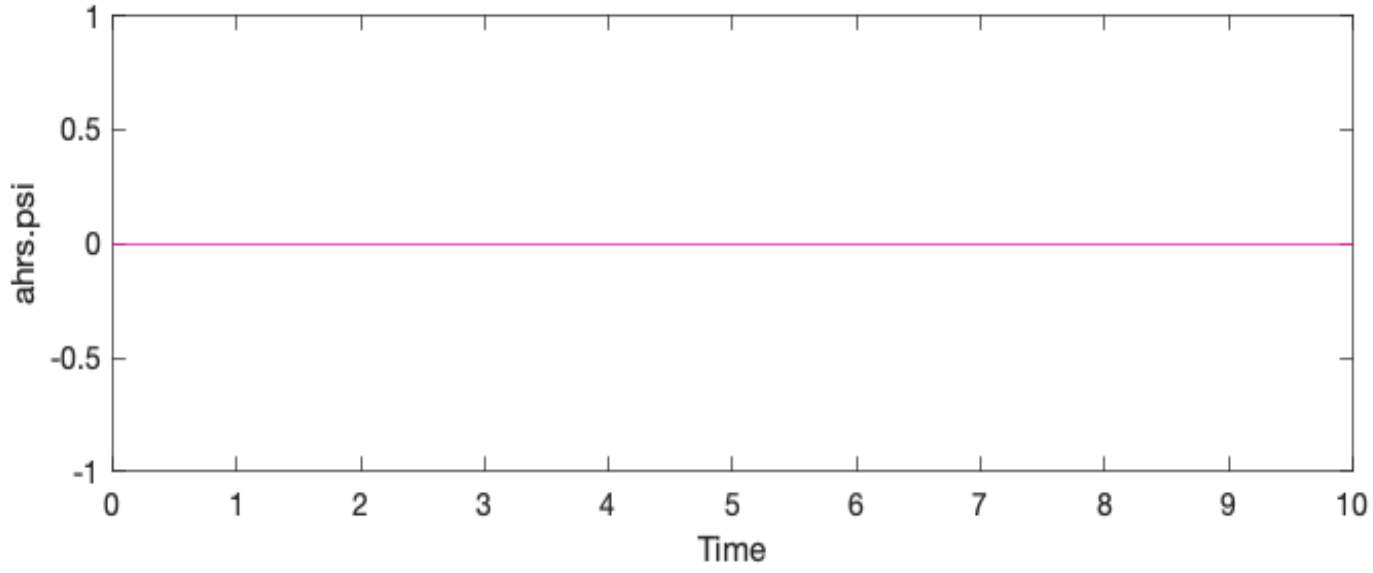
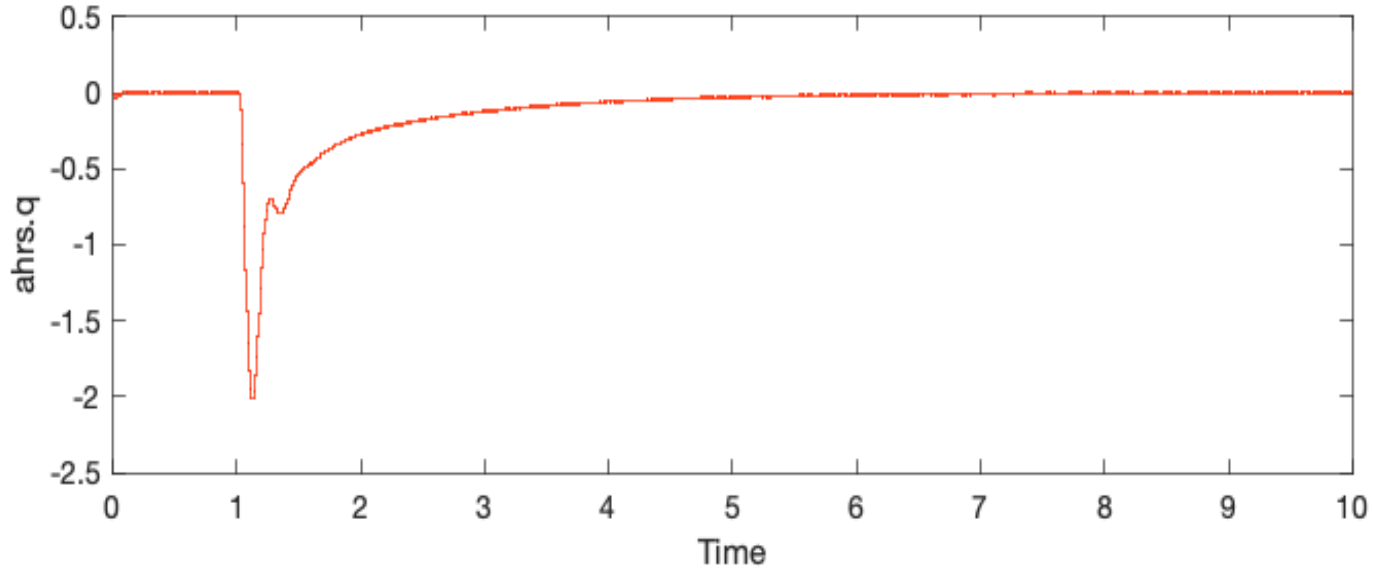
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union





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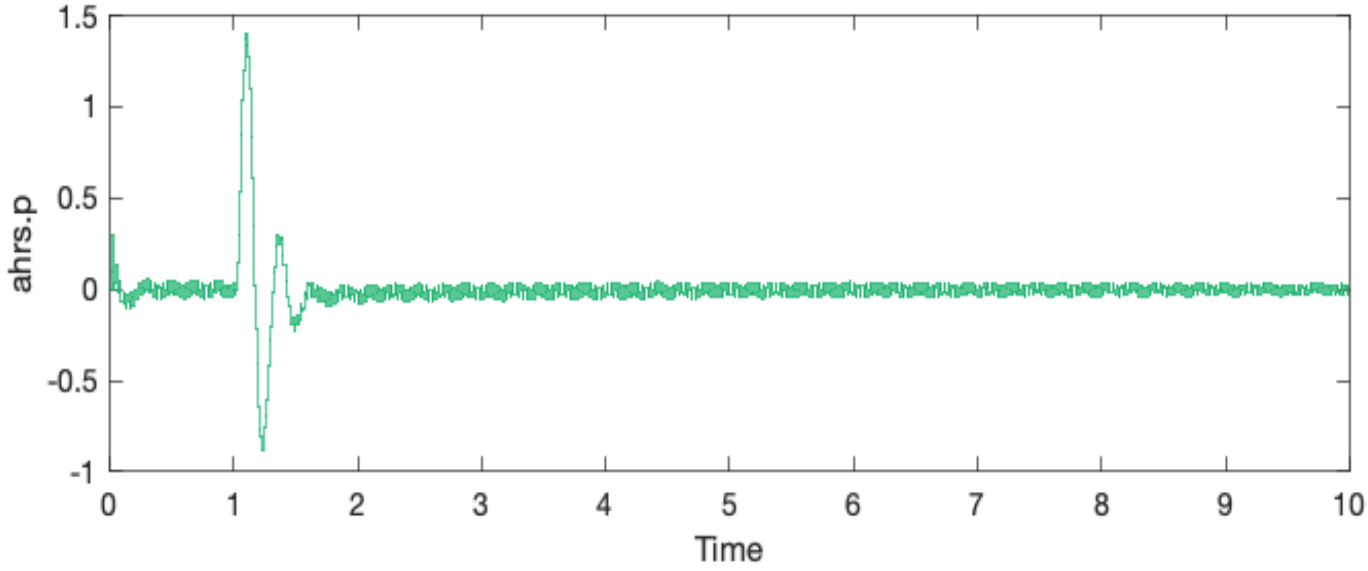
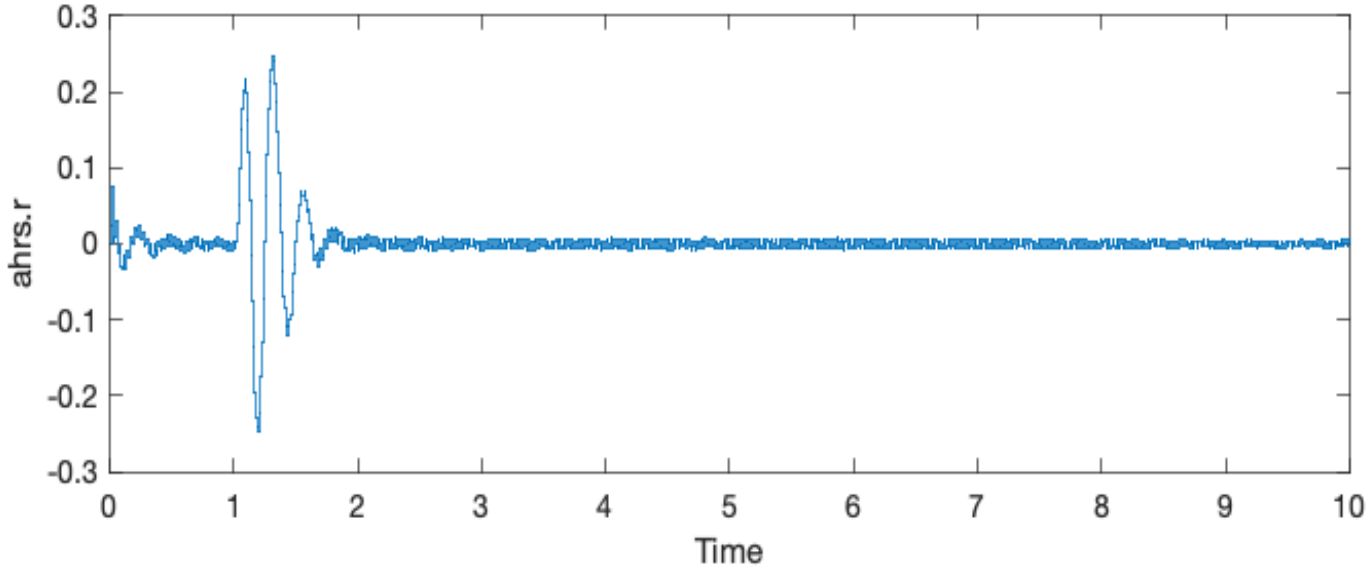
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





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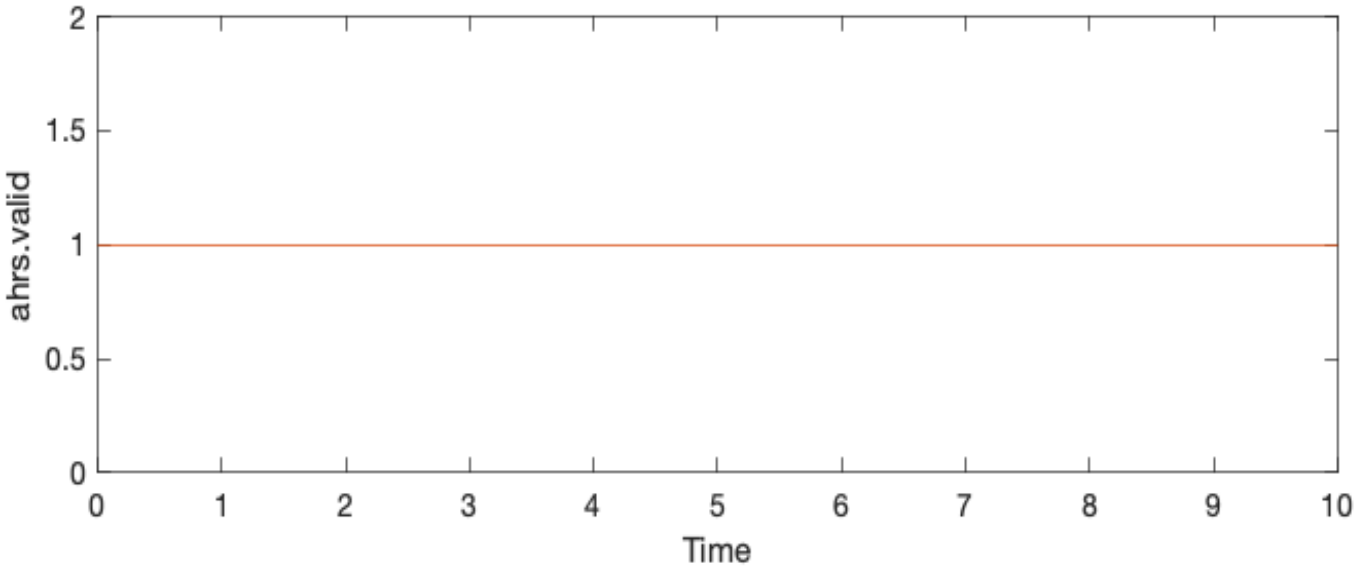
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



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Custom Criteria Result Information

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
-0.882597437418119
Maximum Value (Inclusive):
-0.630000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-0.993778249235710
Minimum Value (Inclusive):
-1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-0.993778249235710
Minimum Value (Inclusive):
-1.050000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual 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 17:43:08
End Time:	13-Mar-2023 17:45:25
Outcome:	Total: 2, Passed: 2

Test Suite Information

Name:	Helicopter Roll Control Test

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SmallPositiveStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Roll Control Test
Start Time:	13-Mar-2023 17:43:08
End Time:	13-Mar-2023 17:44:17
Outcome:	Passed
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

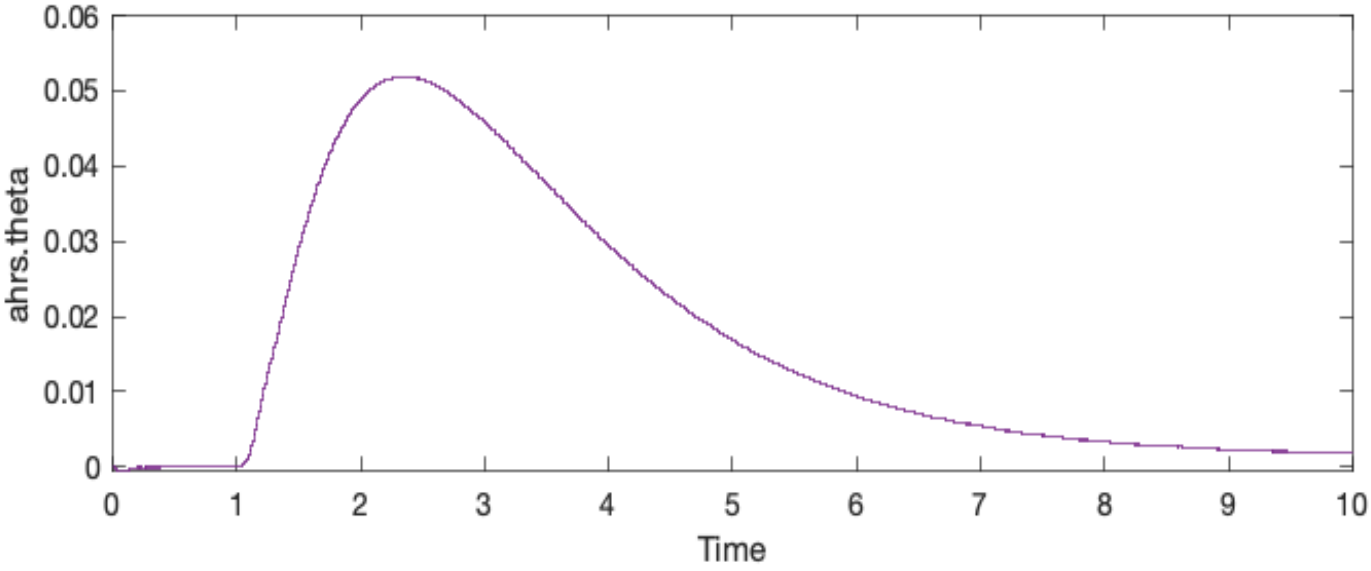
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
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 17:43:08
Simulation Stop Time:	2023-03-13 17:44:14
Platform:	MACI64

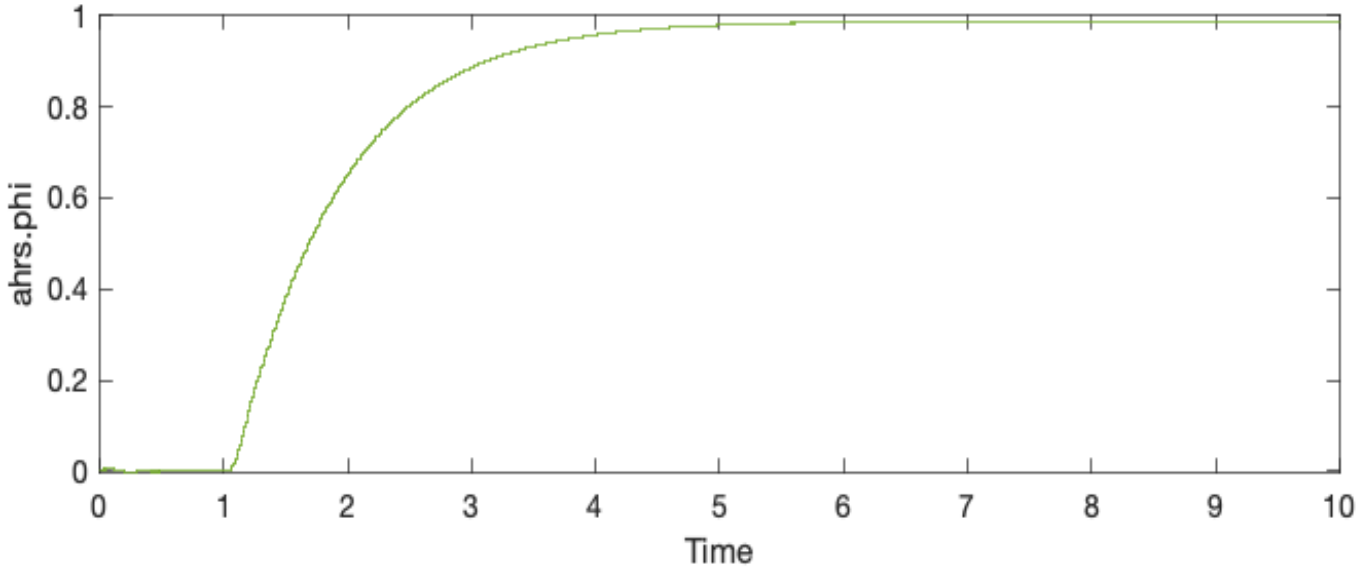
Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
ahrs.theta	double	deg	0.01	zoh	union	Link
ahrs.phi	double	deg	0.01	zoh	union	Link
ahrs.psi	double	deg	0.01	zoh	union	Link
ahrs.q	double	deg/sec	0.01	zoh	union	Link
ahrs.p	double	deg/sec	0.01	zoh	union	Link
ahrs.r	double	deg/sec	0.01	zoh	union	Link

ahrs.valid	boolean		0.01	zoh	union	Link

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





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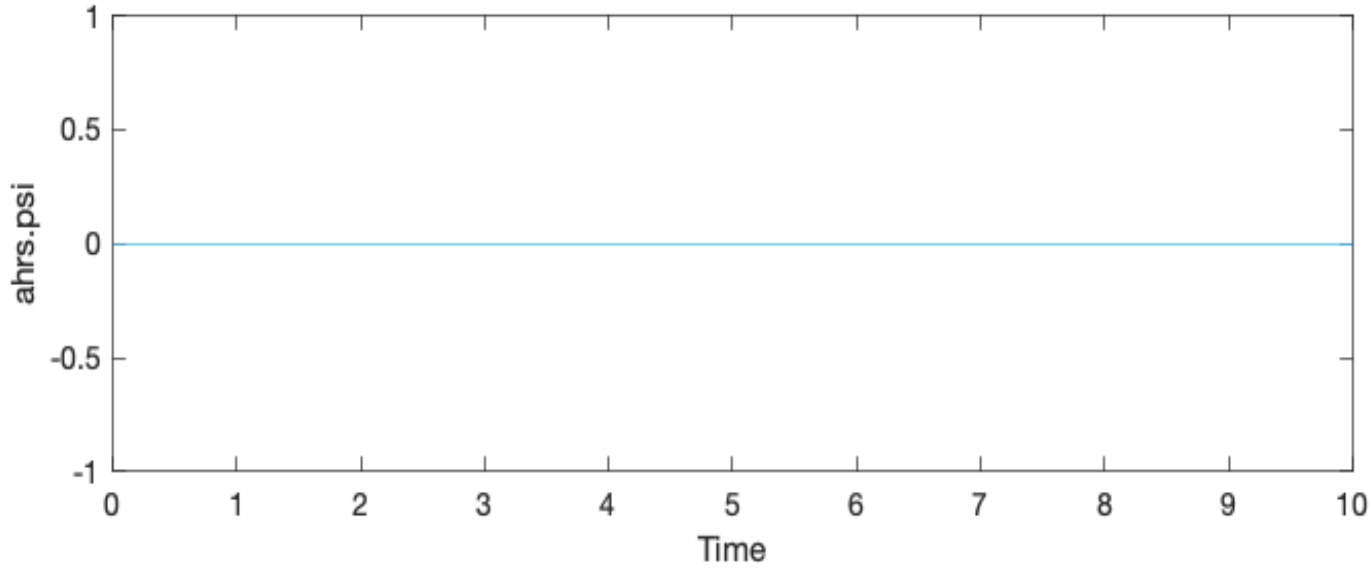
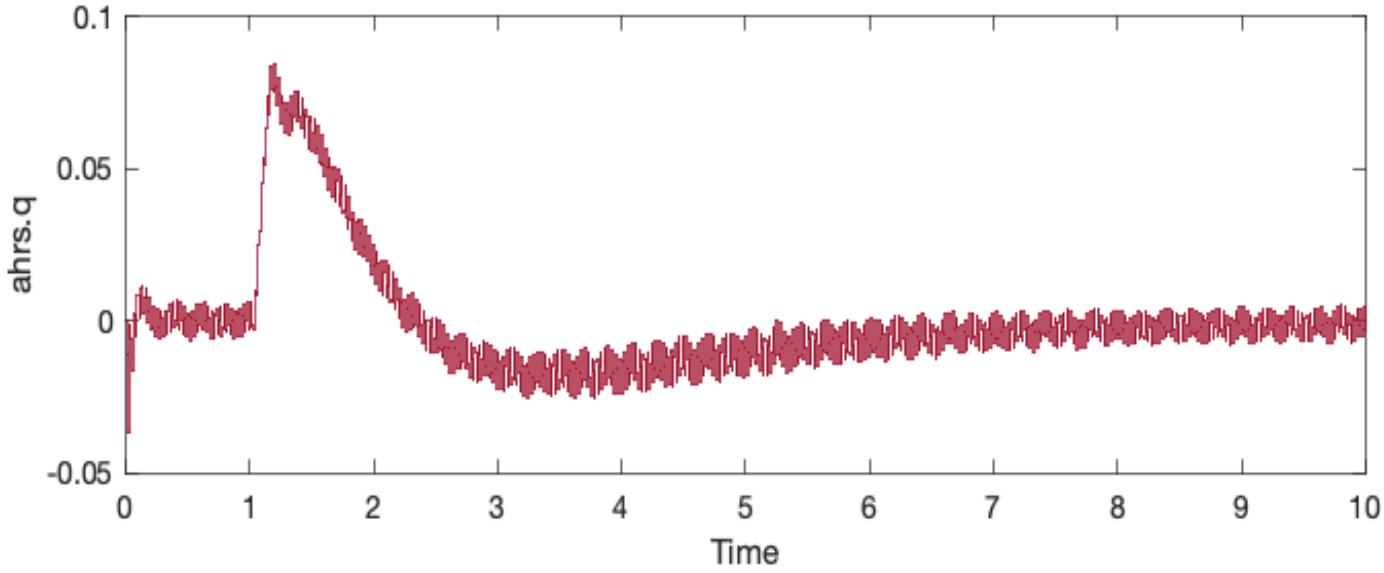
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union





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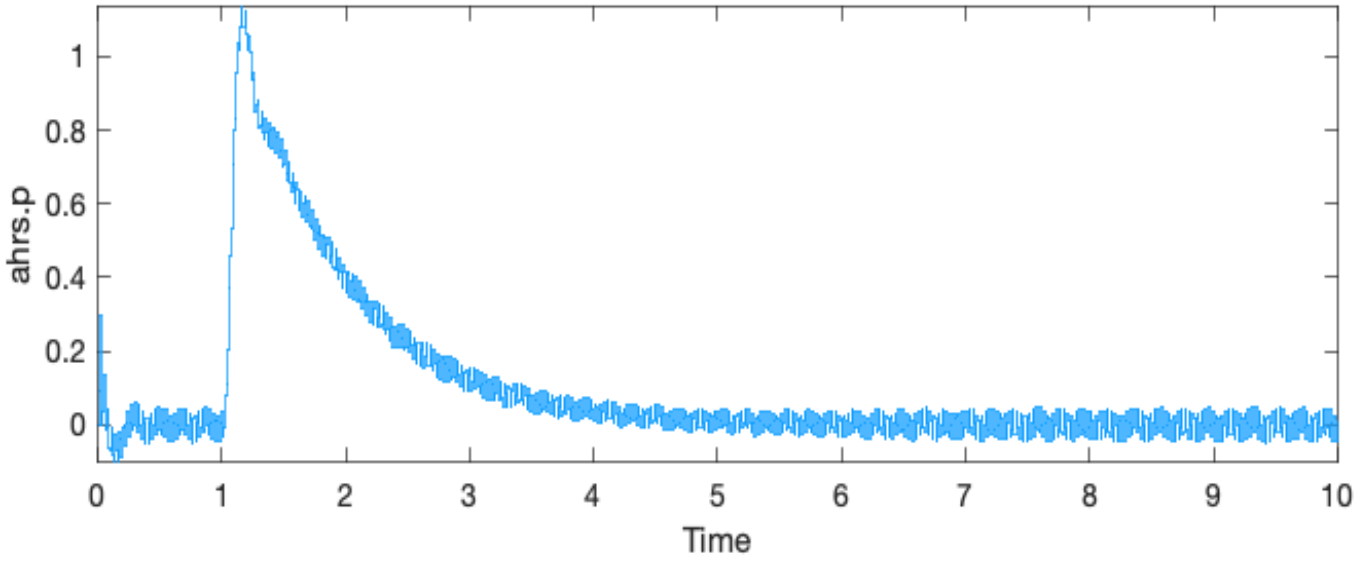
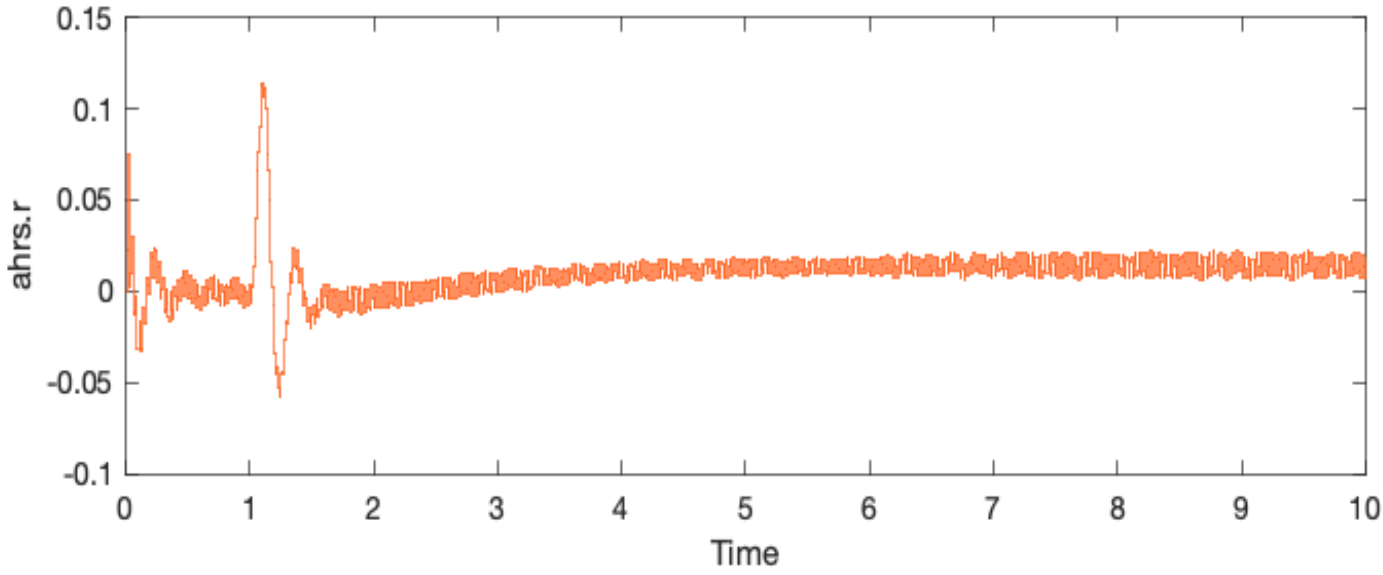
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





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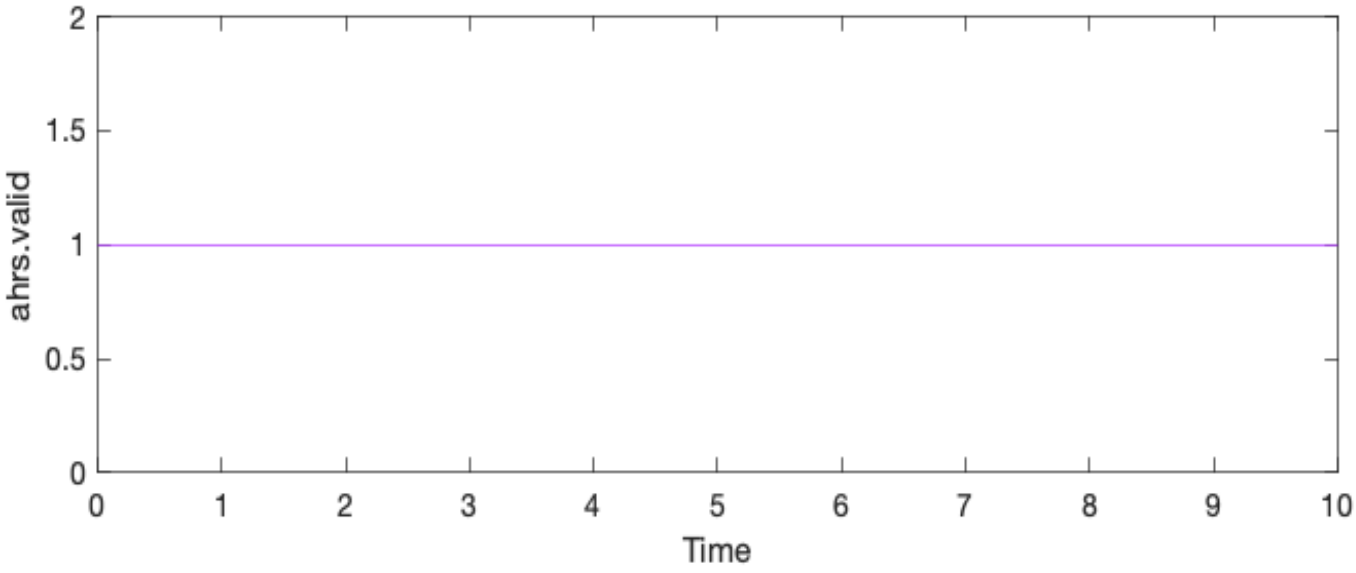
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



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Custom Criteria Result Information

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.933887104401271
Minimum Value (Inclusive):
0.630000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
0.988871630368765
Maximum Value (Inclusive):
1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.987742217227980
Minimum Value (Inclusive):
0.950000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
0.988871630368765
Maximum Value (Inclusive):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Roll Control Test
Start Time:	13-Mar-2023 17:44:17
End Time:	13-Mar-2023 17:45:25
Outcome:	Passed
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

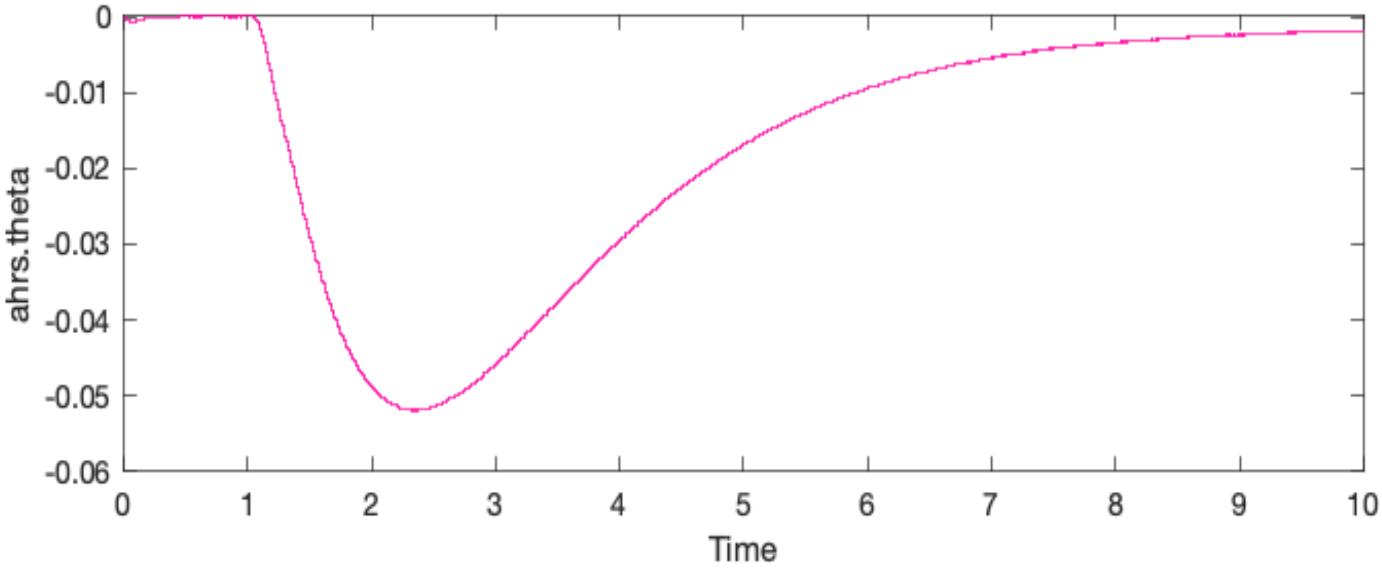
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4

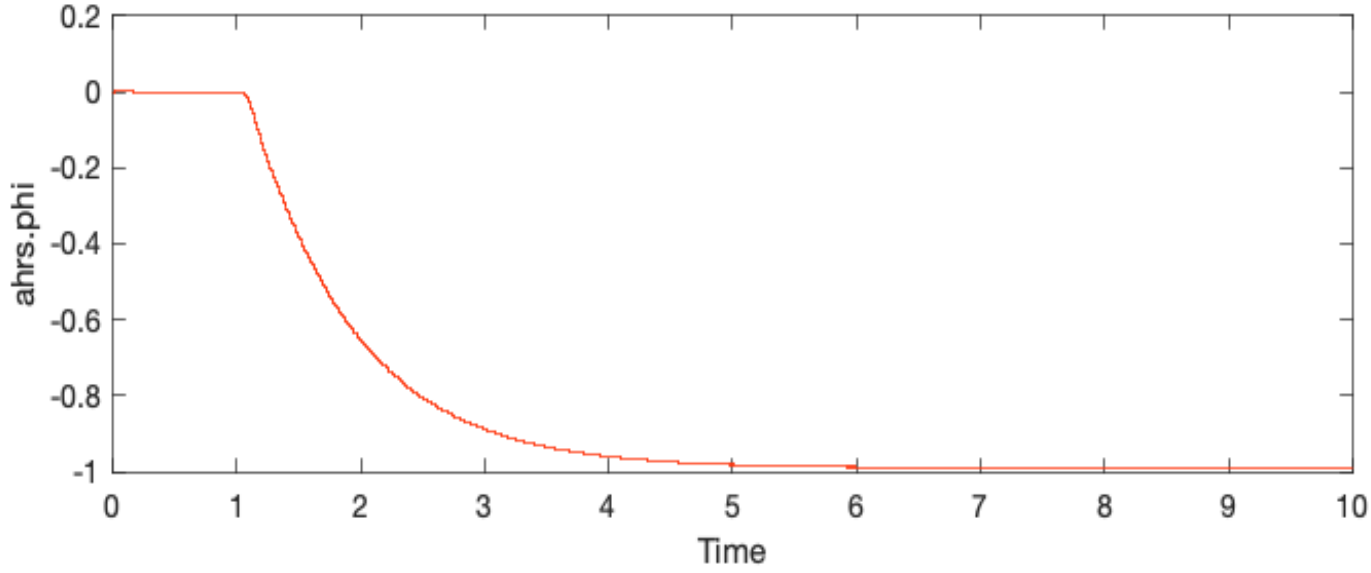
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
User ID:	halilceylan
Model Path:	/Users/halilceylan/Desktop/AnSyMo-Simulink-Mutator/matlab_workspace/heli/work/HelicopterSystem.slx
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2023-03-13 17:44:17
Simulation Stop Time:	2023-03-13 17:45:22
Platform:	MACI64

Simulation Output

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

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





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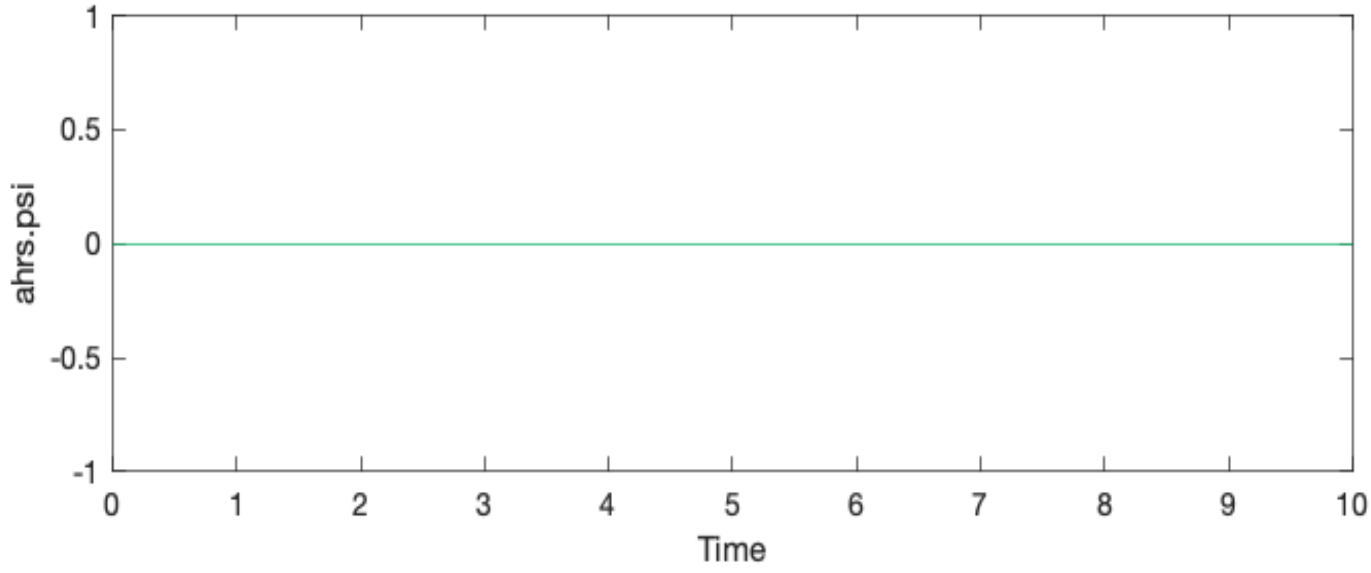
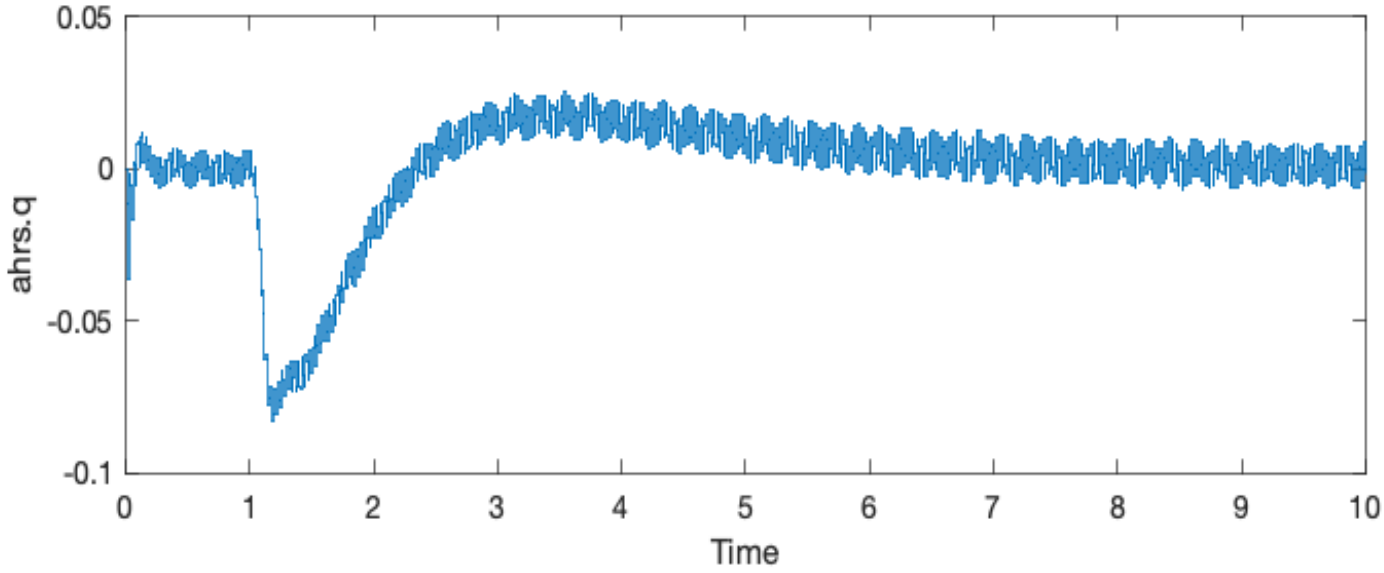
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union





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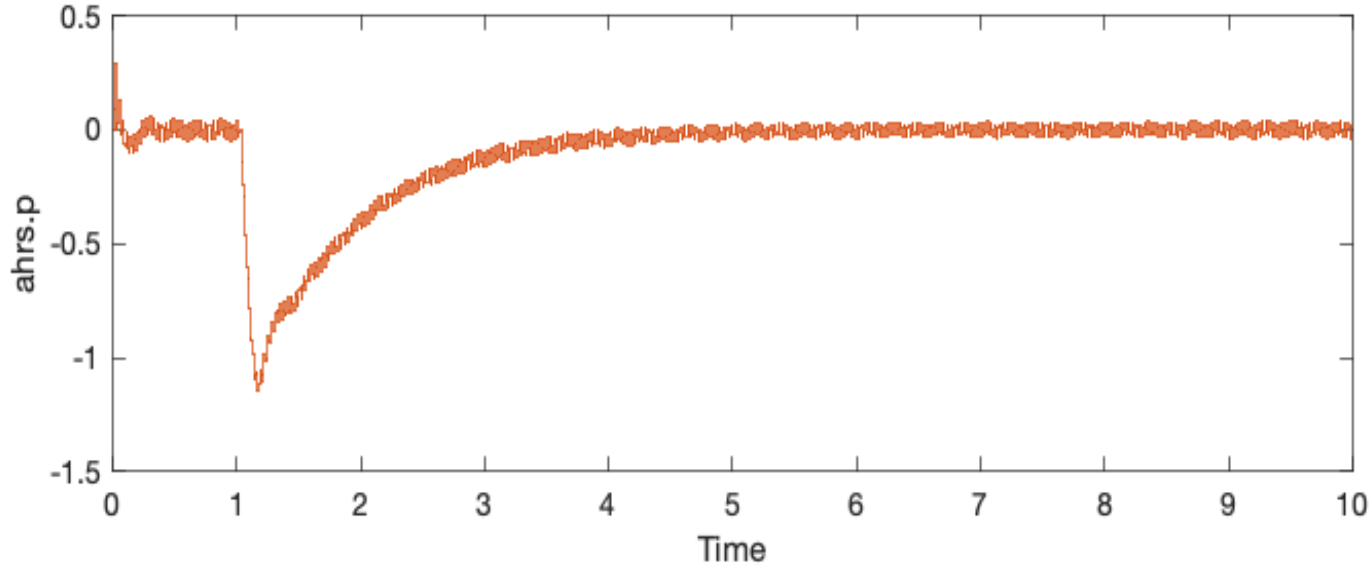
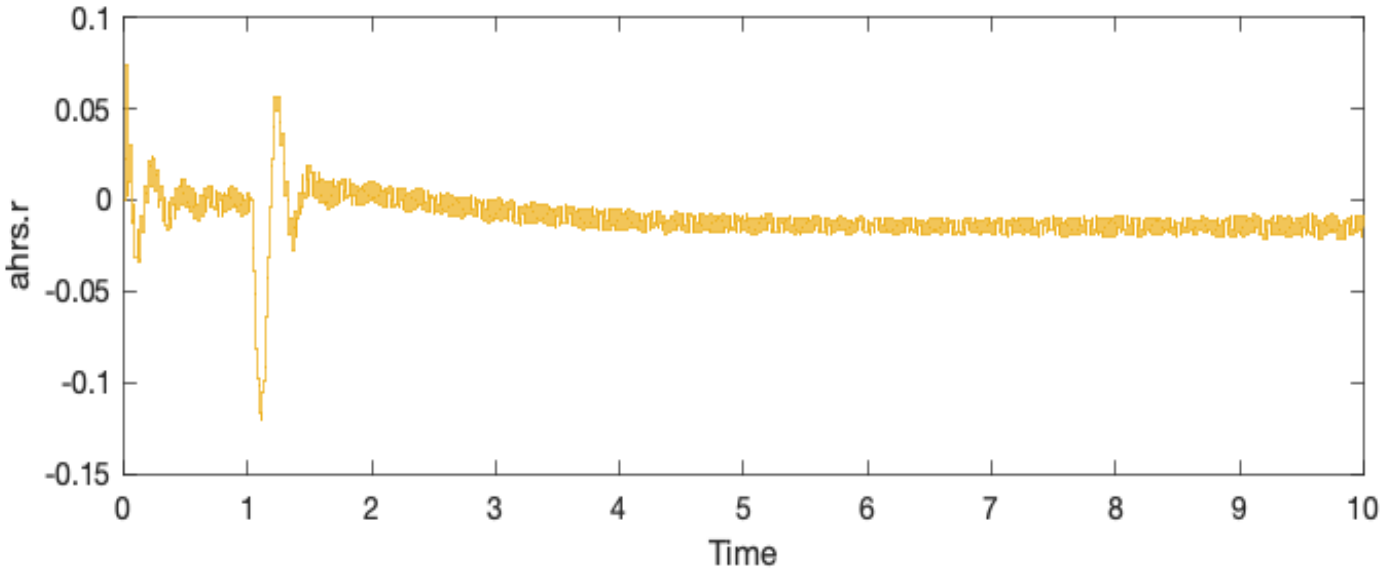
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





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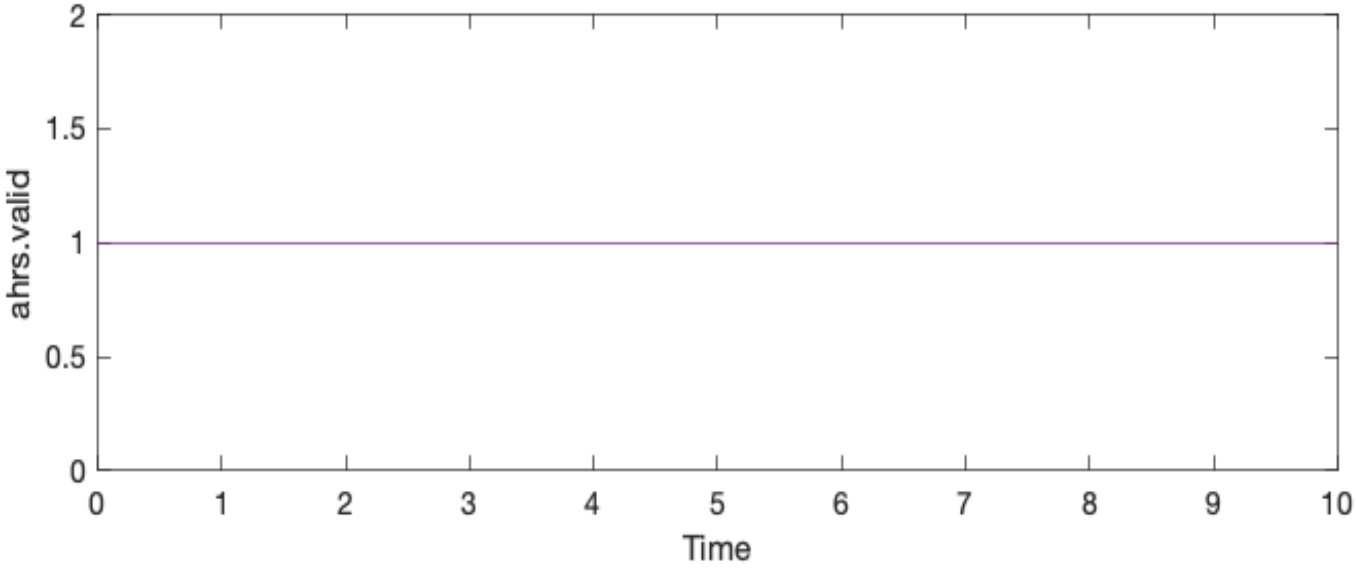
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.valid	boolean		0.01	zoh	union



Back to Report SummaryBack to Signal 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
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-0.989788536394629
Minimum Value (Inclusive):
-1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-0.989788536394629
Minimum Value (Inclusive):
-1.050000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom 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 17:45:25
End Time:	13-Mar-2023 17:47:42
Outcome:	Total: 2, Passed: 2

Test Suite Information

Name:	Helicopter Yaw Control Test

Back to Report Summary

SmallPositiveStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Yaw Control Test
Start Time:	13-Mar-2023 17:45:25
End Time:	13-Mar-2023 17:46:35
Outcome:	Passed
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

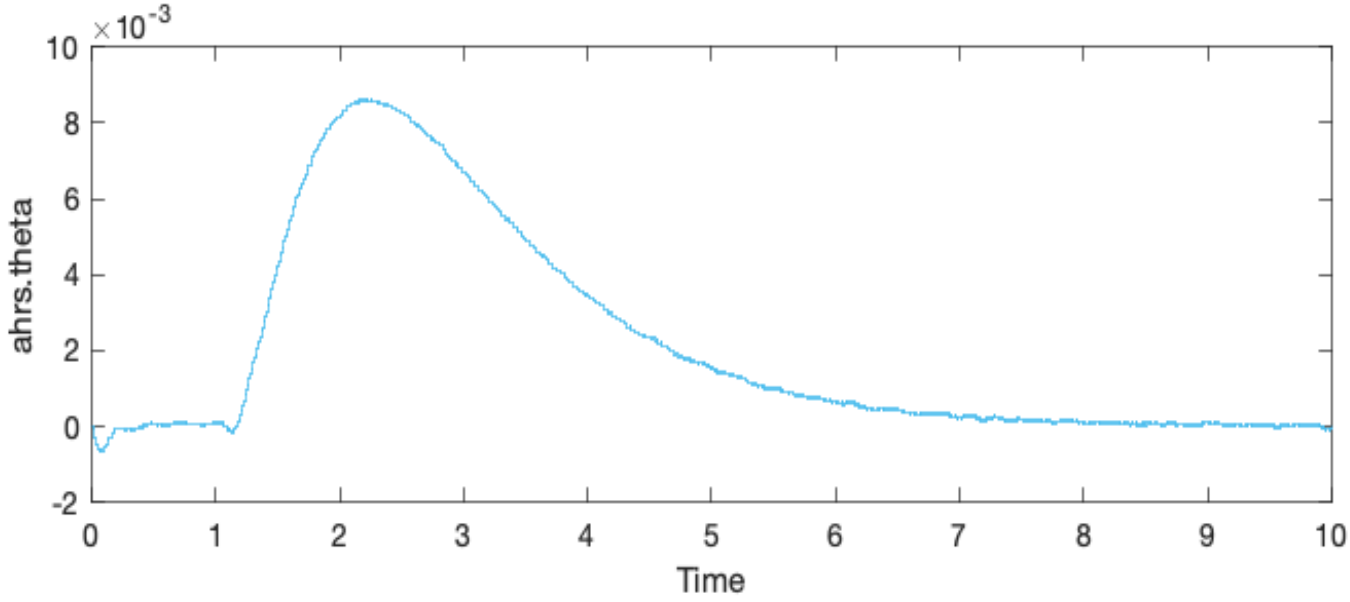
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
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 17:45:25
Simulation Stop Time:	2023-03-13 17:46:32
Platform:	MACI64

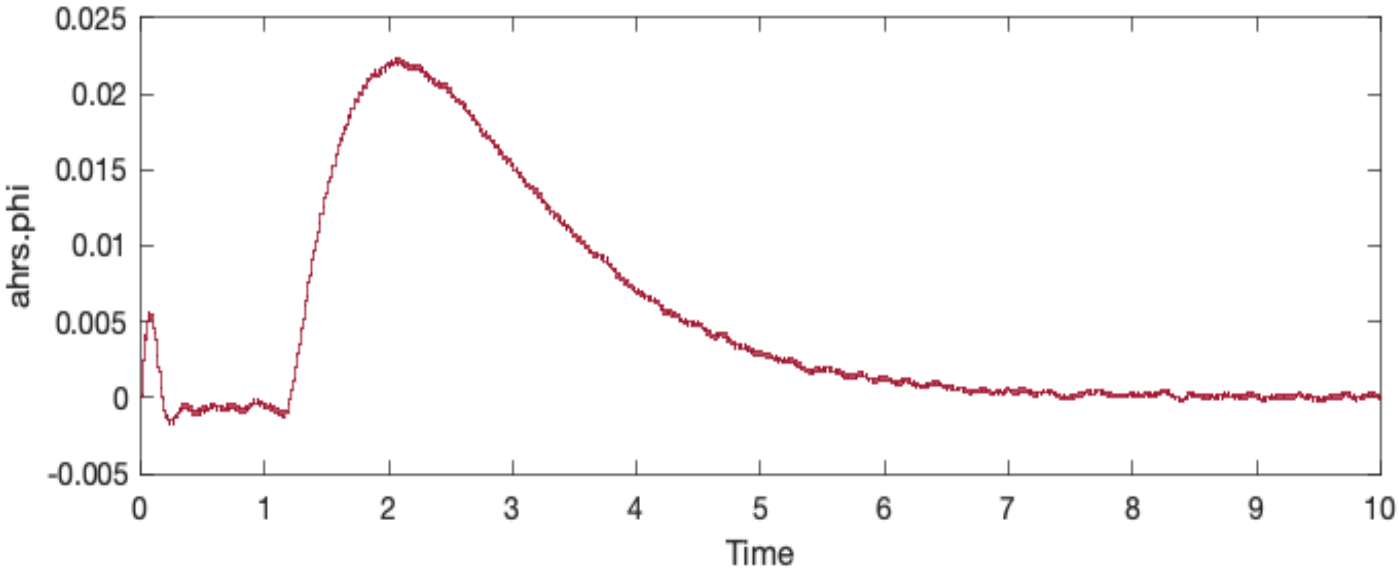
Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
ahrs.theta	double	deg	0.01	zoh	union	Link
ahrs.phi	double	deg	0.01	zoh	union	Link
ahrs.psi	double	deg	0.01	zoh	union	Link
ahrs.q	double	deg/sec	0.01	zoh	union	Link
ahrs.p	double	deg/sec	0.01	zoh	union	Link
ahrs.r	double	deg/sec	0.01	zoh	union	Link

ahrs.valid	boolean		0.01	zoh	union	Link

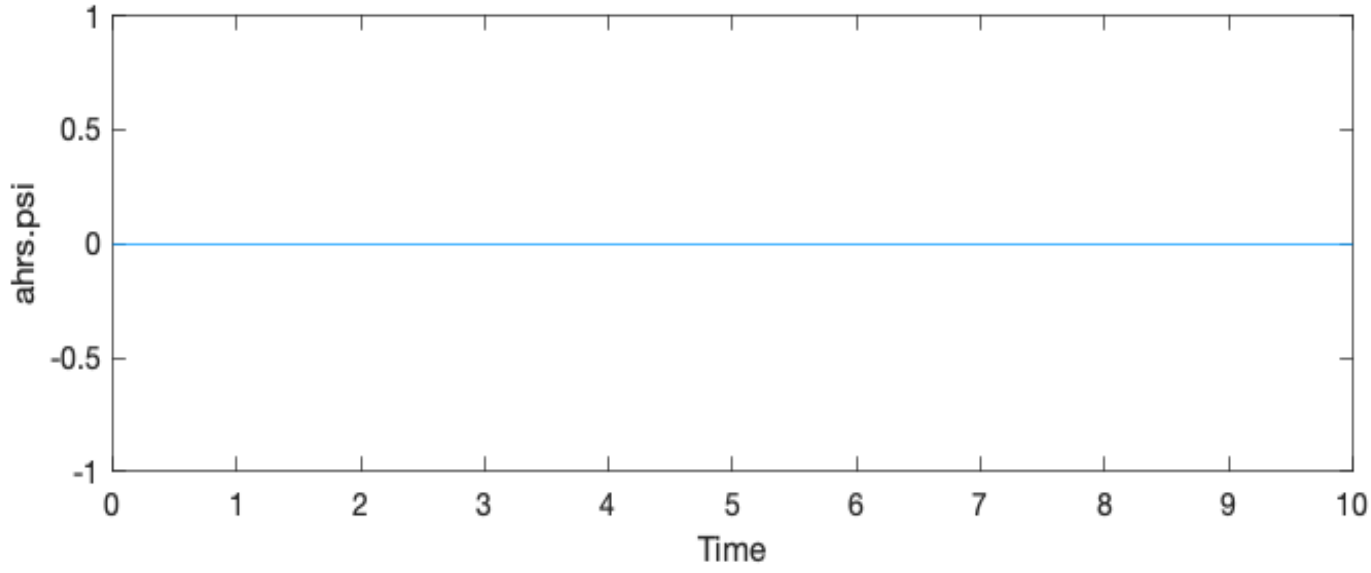
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.theta	double	deg	0.01	zoh	union
ahrs.phi	double	deg	0.01	zoh	union

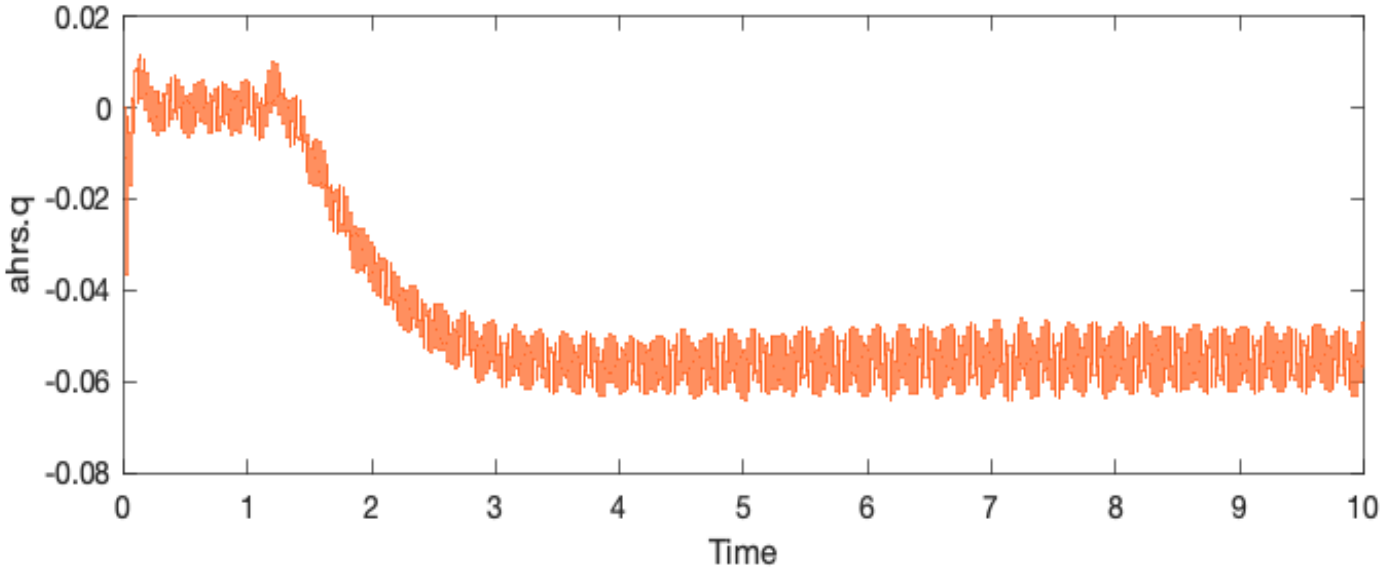




Back to Report SummaryBack to Signal Summary

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





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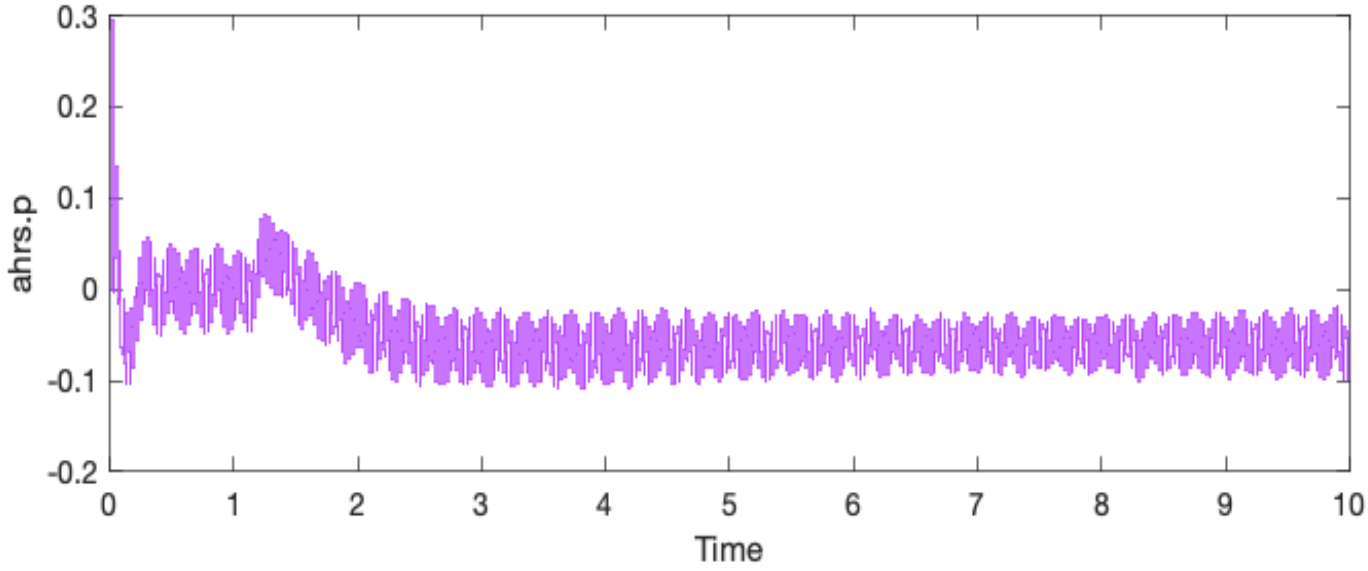
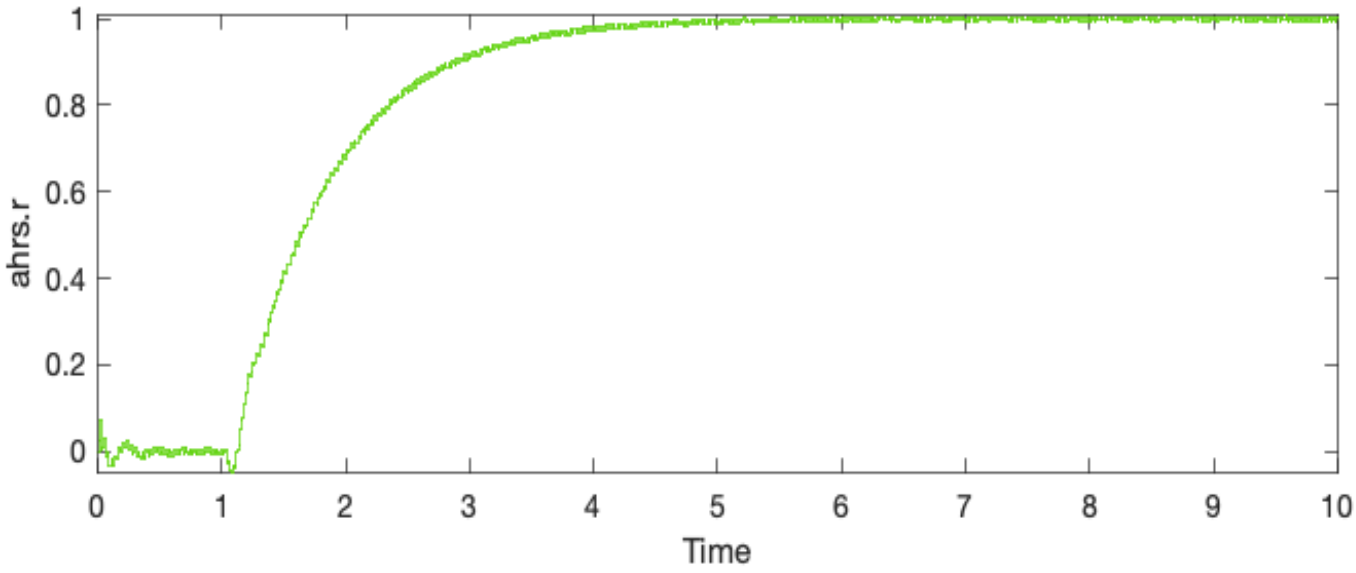
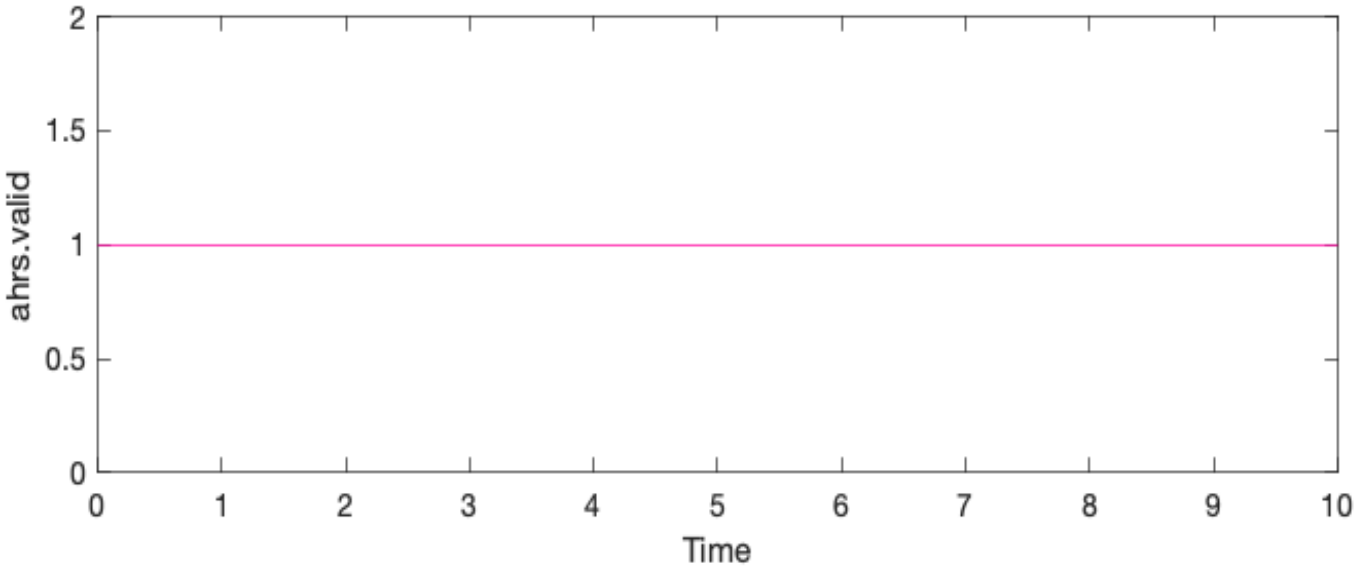
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





Back to Report SummaryBack to Signal Summary

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



Back to Report SummaryBack to Signal Summary

Custom Criteria Result Information

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.949767089376463
Minimum Value (Inclusive):
0.630000000000000

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):
1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
0.993349042507627
Minimum Value (Inclusive):
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):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type:	Test Case Result
Parent:	Helicopter Yaw Control Test
Start Time:	13-Mar-2023 17:46:35
End Time:	13-Mar-2023 17:47:42
Outcome:	Passed
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

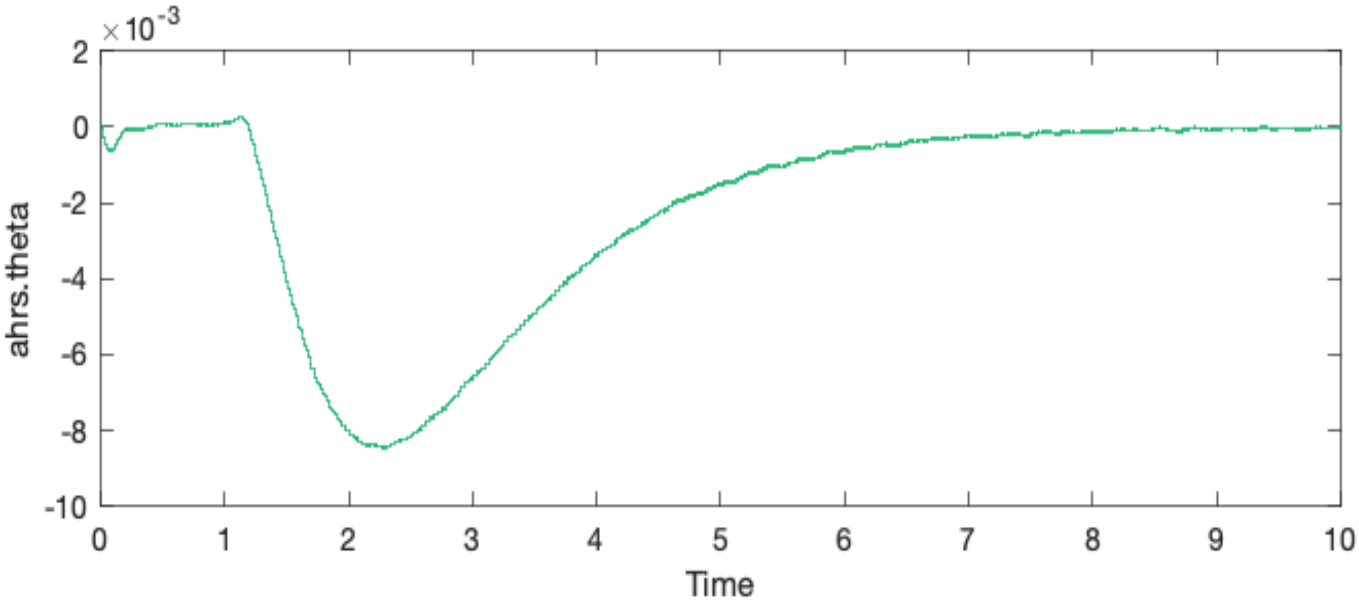
Model:	HelicopterSystem
Release:	Current
Simulation Mode:	normal
Override SIL or PIL Mode:	0
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1537542357 1654829112 2870649001 2292590244
Simulink Version:	10.4

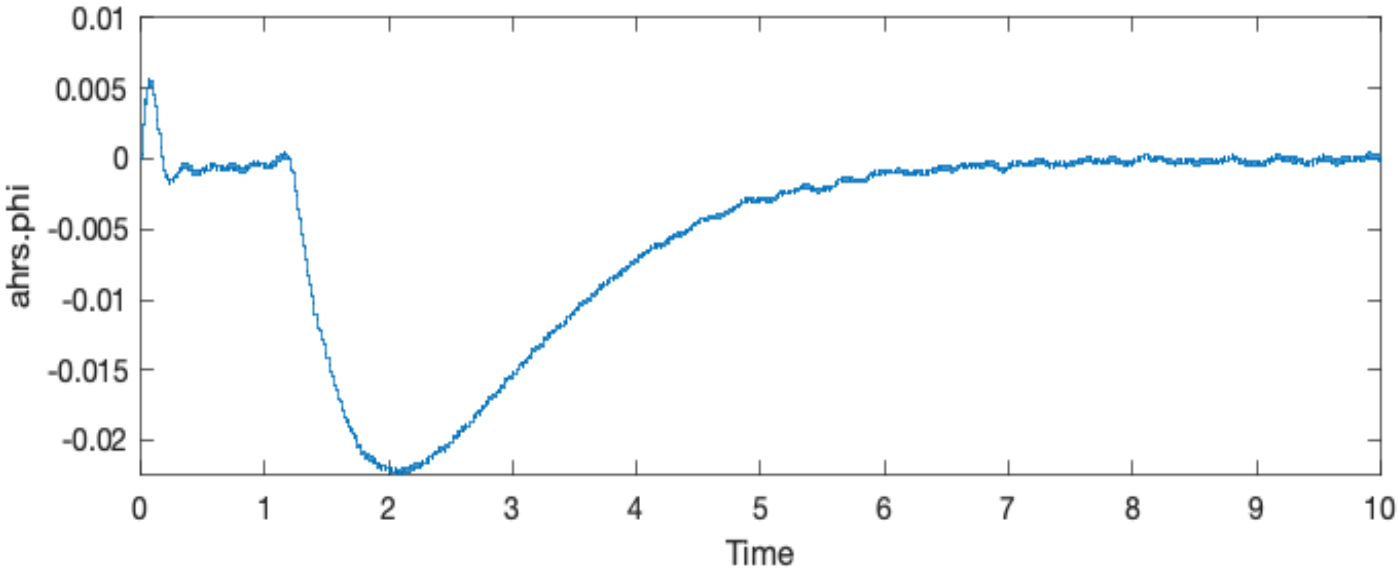
Model Version:	1.24
Model Author:	bpotter
Date:	Mon May 11 15:42:30 2020
User ID:	halilceylan
Model Path:	/Users/halilceylan/Desktop/AnSyMo-Simulink-Mutator/matlab_workspace/heli/work/HelicopterSystem.slx
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2023-03-13 17:46:35
Simulation Stop Time:	2023-03-13 17:47:39
Platform:	MACI64

Simulation Output

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

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





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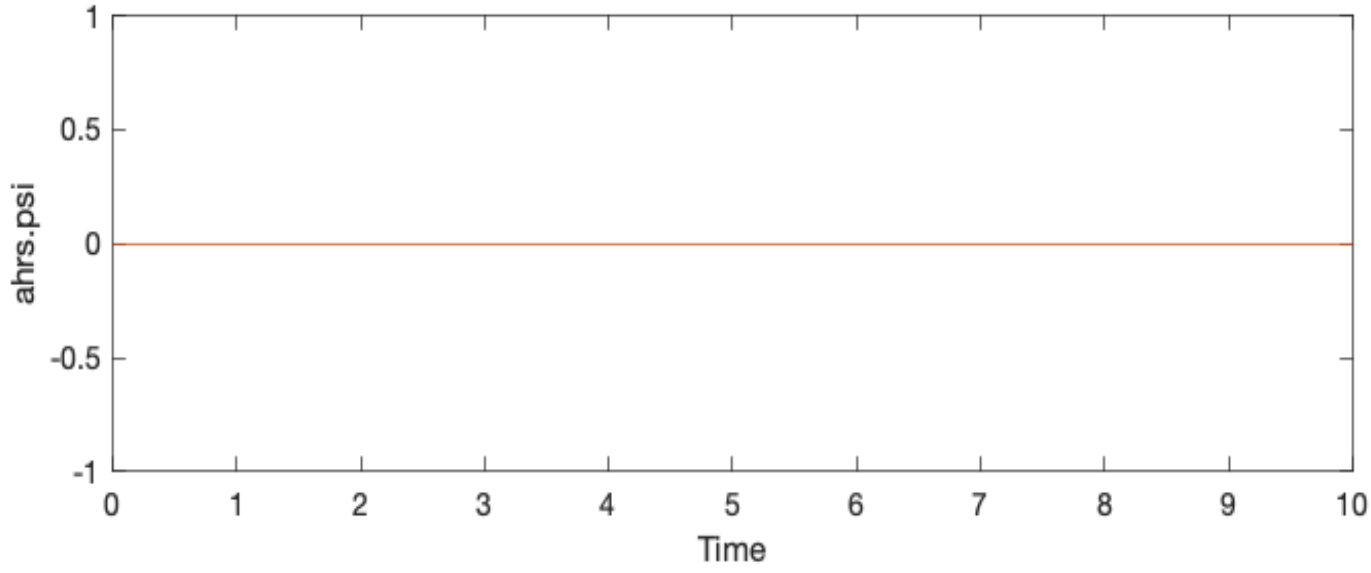
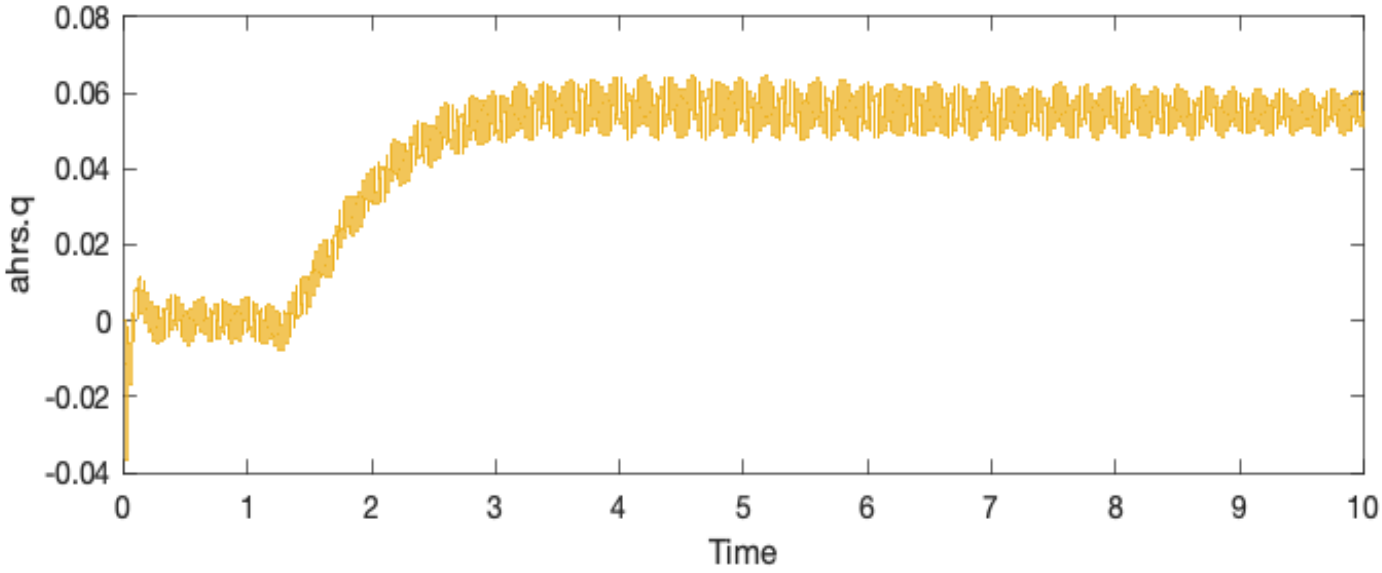
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.psi	double	deg	0.01	zoh	union
ahrs.q	double	deg/sec	0.01	zoh	union





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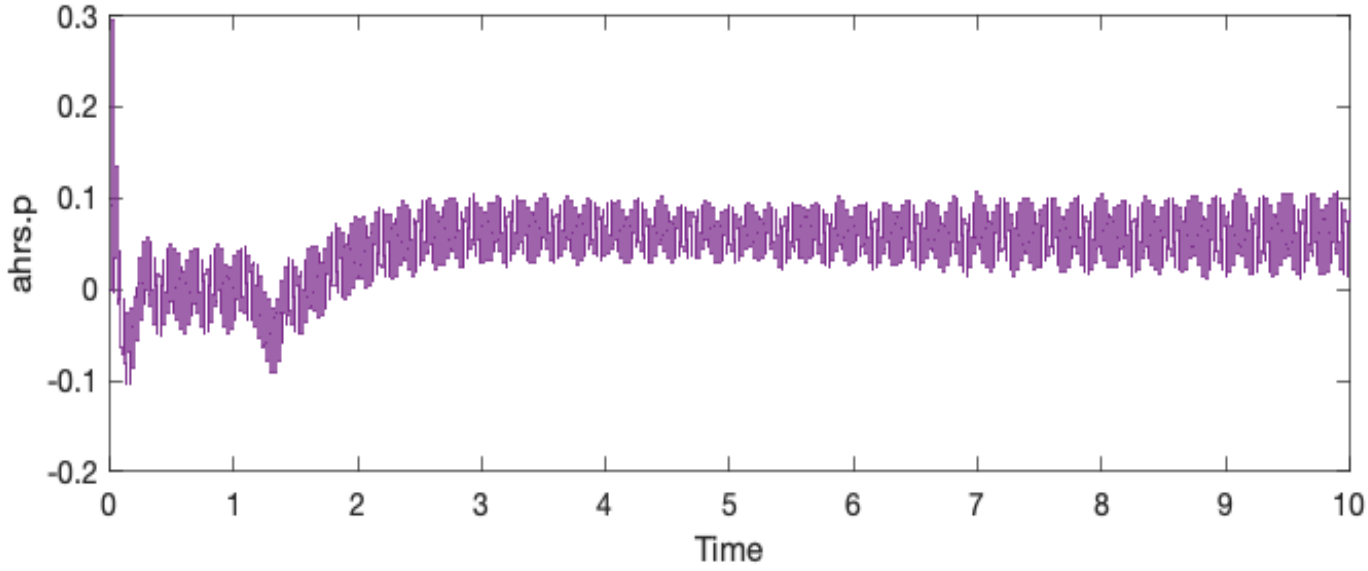
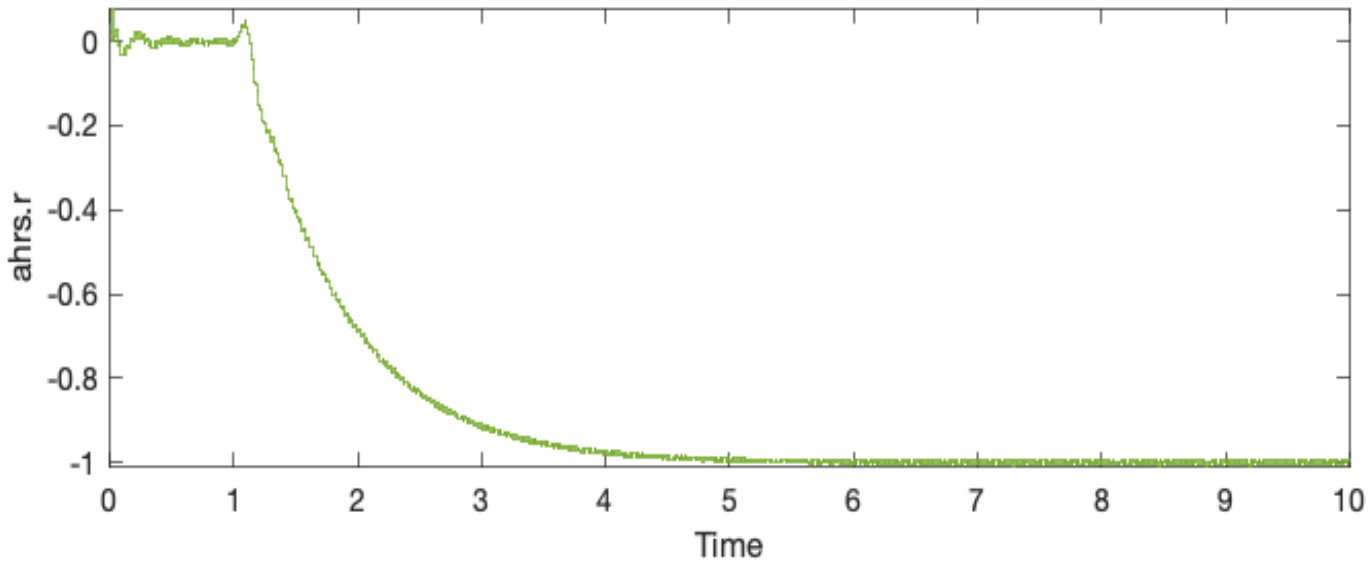
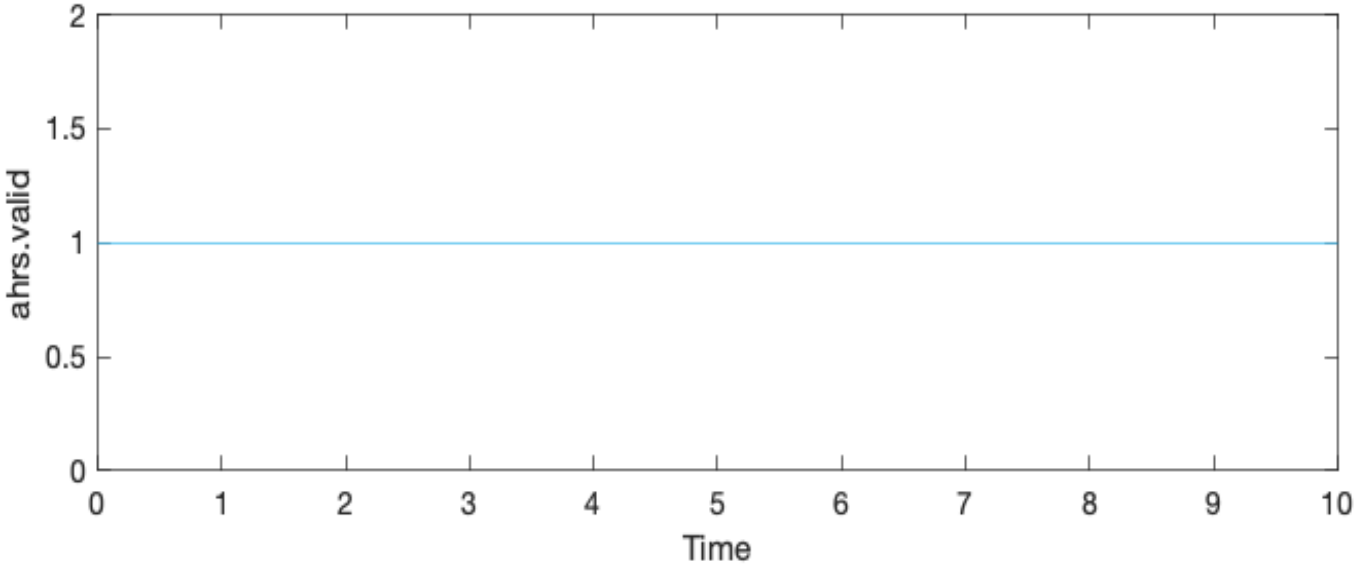
Name	Data Type	Units	Sample Time	Interp	Sync
ahrs.p	double	deg/sec	0.01	zoh	union
ahrs.r	double	deg/sec	0.01	zoh	union





Back to Report SummaryBack to Signal Summary

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



Back to Report SummaryBack to Signal 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:
-0.949788312836835
Maximum Value (Inclusive):
-0.630000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-1.008096211540845
Minimum Value (Inclusive):
-1.100000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyGreaterThanOrEqual passed.

Actual Value:
-1.008096211540845
Minimum Value (Inclusive):
-1.050000000000000

Diagnostic Record:
Outcome: Passed
Event: VerificationPassed

VerificationPassed in custom criteria of sltest.testmanager.TestCase.

Framework Diagnostic:

---

verifyLessThanOrEqual passed.

Actual Value:
-0.992345449070606
Maximum Value (Inclusive):
-0.950000000000000