Report Generated by Test Manager

Title: Helicopter outer loop test
Author: bpotter
Date: 31-May-2019 12:54:34

Test Environment

Platform: PCWIN64
MATLAB: (R2019a)

Summary

Name	Outcome	Duration (Seconds)
HeliLoopTest	6	159
Helicopter Pitch Control Test	2	58
SmallPositiveStep		31
SmallNegativeStep		27
Helicopter Roll Control Test	2	50
SmallPositiveStep		25
SmallNegativeStep		25
Helicopter Yaw Control Test	2	51
SmallPositiveStep		26
SmallNegativeStep		25

HeliLoopTest

Test Result Information

Result Type:	Test File Result
Parent:	None
Start Time:	31-May-2019 12:51:55
End Time:	31-May-2019 12:54:34
Outcome:	Total: 6, Passed: 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:	31-May-2019 12:51:55
End Time:	31-May-2019 12:52:53
Outcome:	Total: 2, Passed: 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:	31-May-2019 12:51:55
End Time:	31-May-2019 12:52:26
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 (HelicopterSystemRequirements#10)
Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

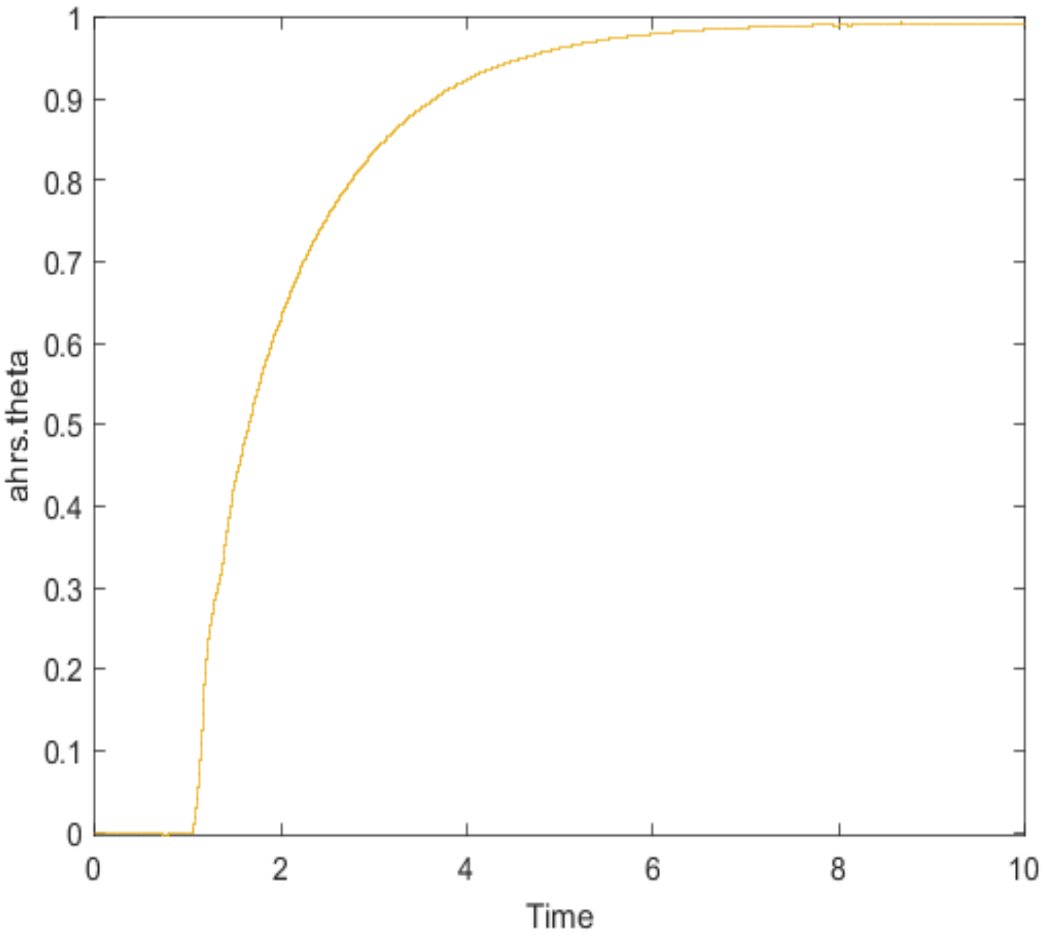
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2019-05-31 12:51:56
Simulation Stop Time:	2019-05-31 12:52:24
Platform:	PCWIN64

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

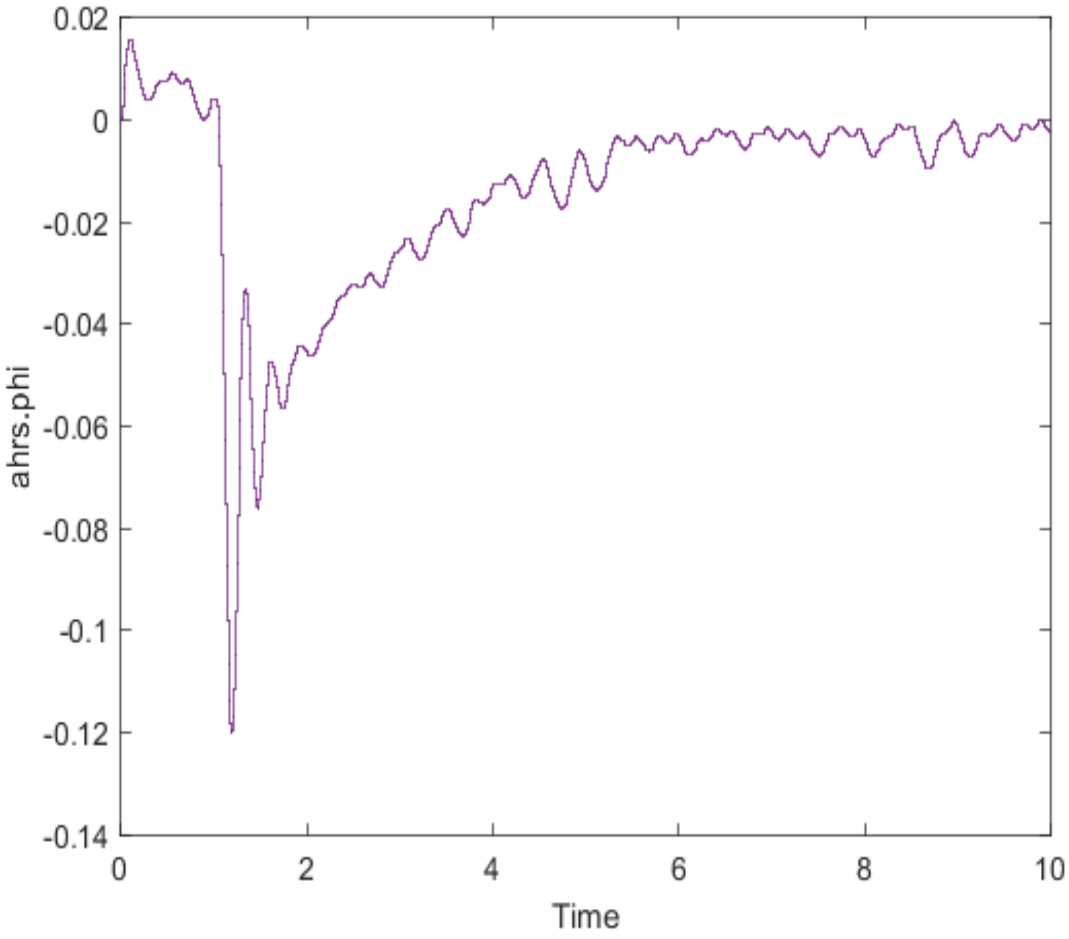
ahrs.p	double	deg/sec	0.01	zoh	union	Link
ahrs.r	double	deg/sec	0.01	zoh	union	Link
ahrs.valid	boolean		0.01	zoh	union	Link

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



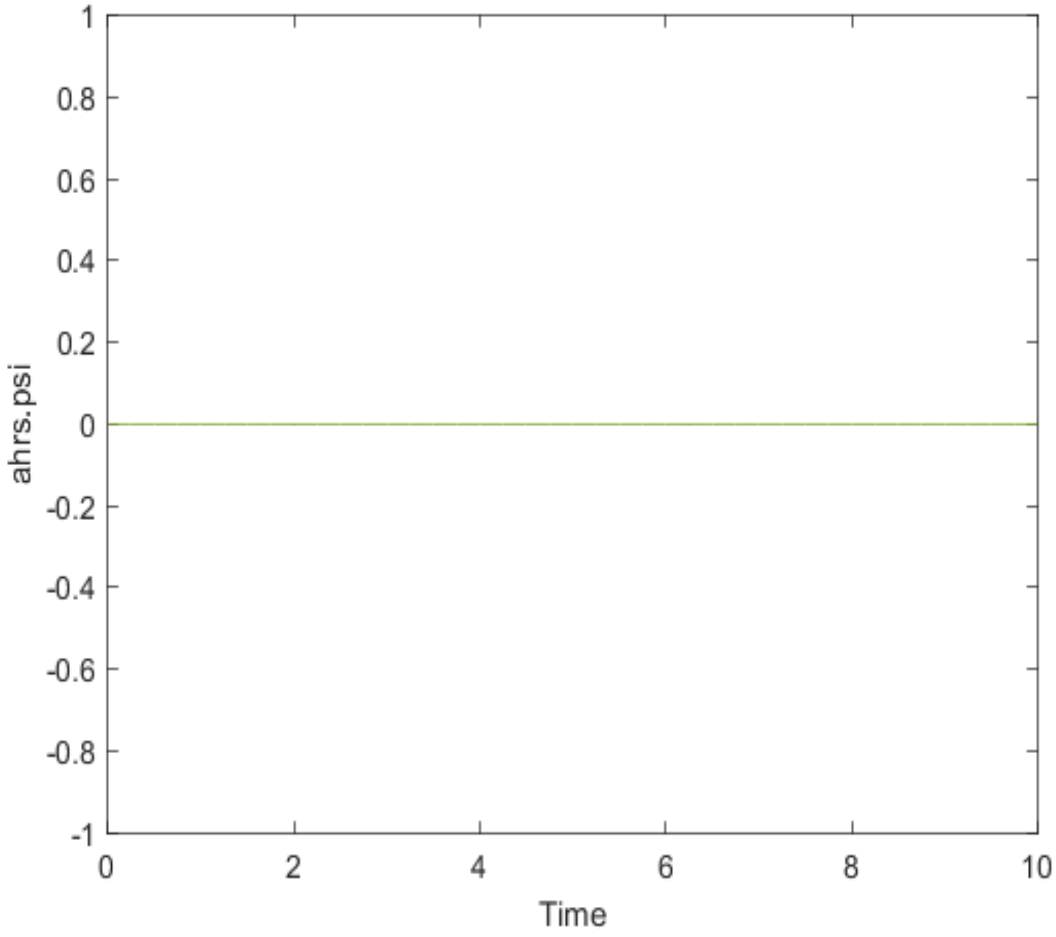
Back to Report SummaryBack to Signal Summary

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



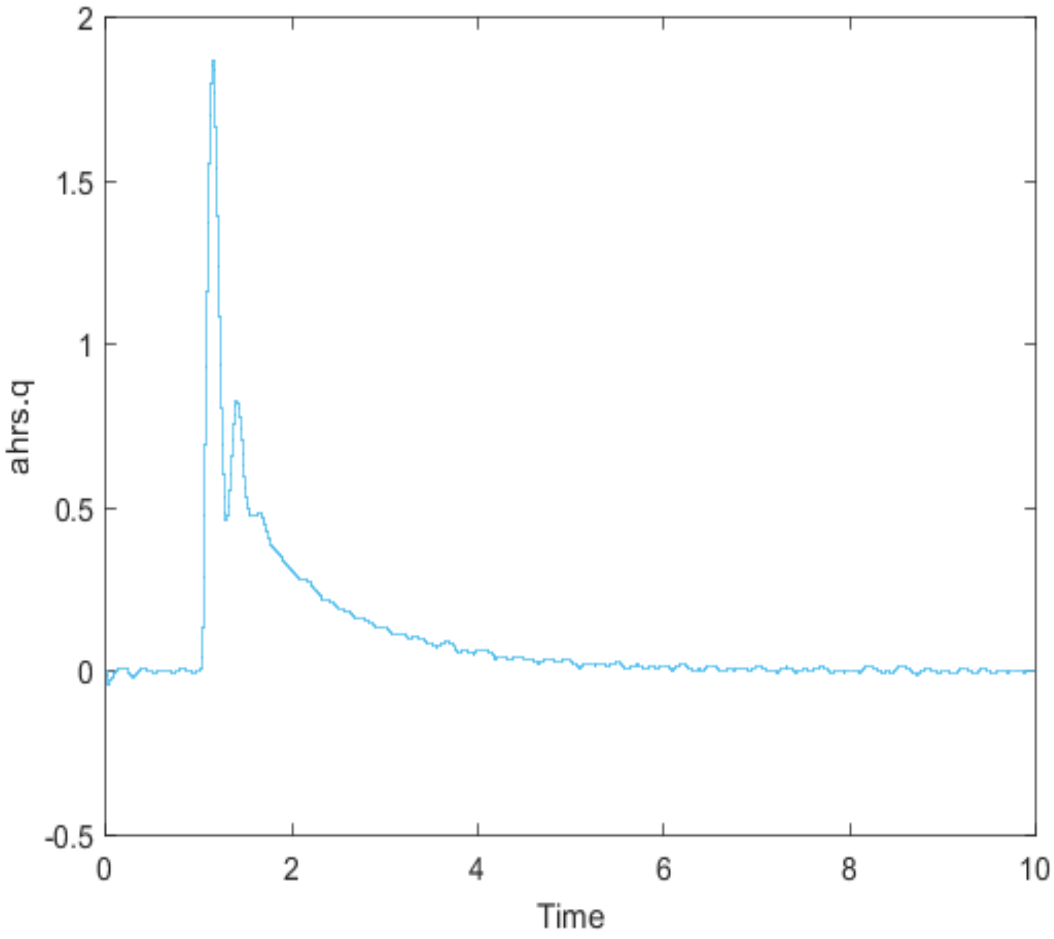
Back to Report SummaryBack to Signal Summary

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



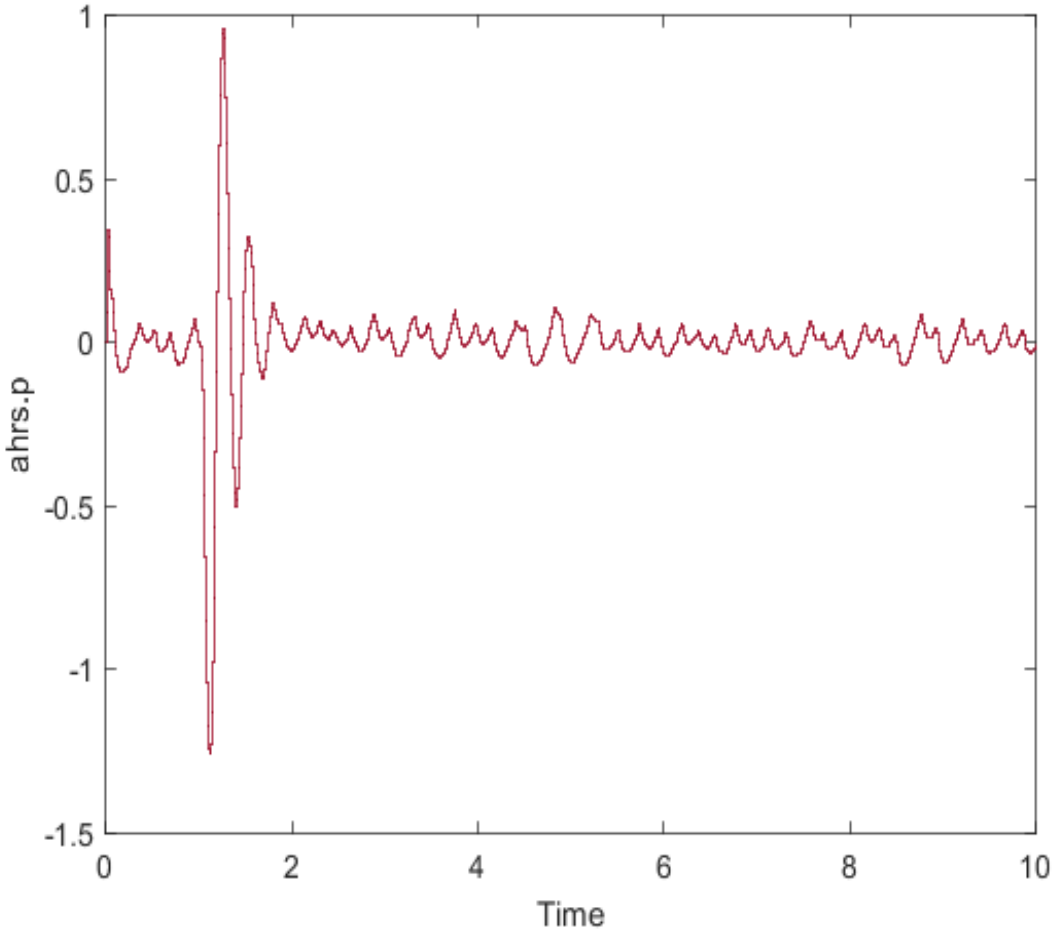
Back to Report SummaryBack to Signal Summary

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



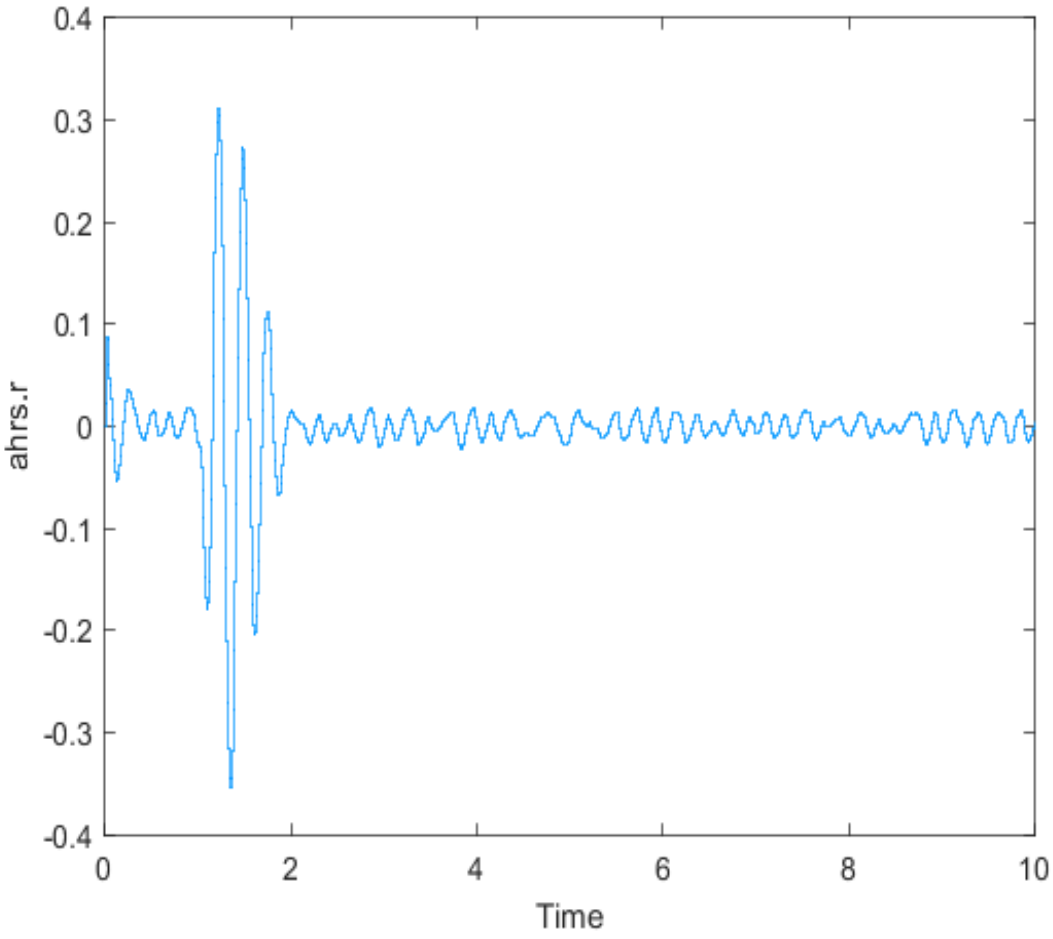
Back to Report SummaryBack to Signal Summary

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



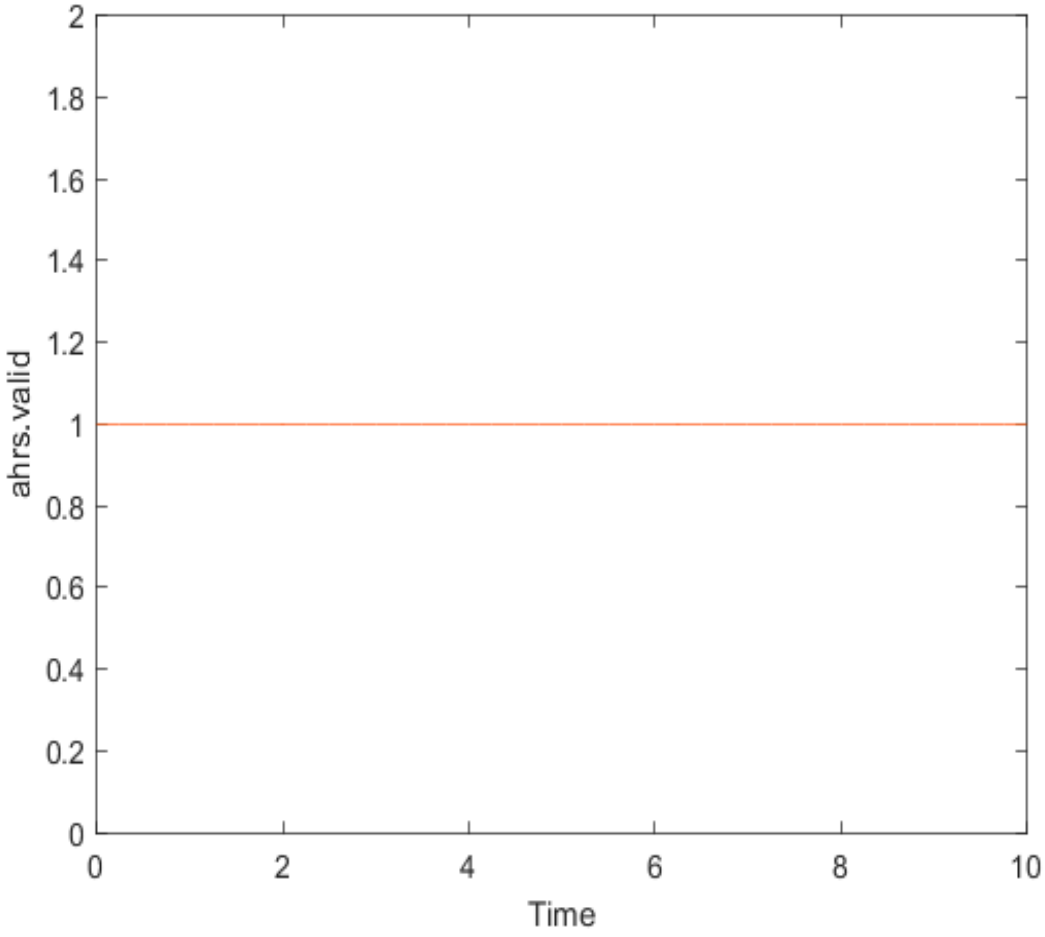
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
0.888241353397106
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:
0.993492741575472
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:
0.987639307404695
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:
0.993492741575472
Maximum Value (Inclusive):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result
Parent: Helicopter Pitch Control Test
Start Time: 31-May-2019 12:52:26
End Time: 31-May-2019 12:52:53
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 (HelicopterSystemRequirements#10)

Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

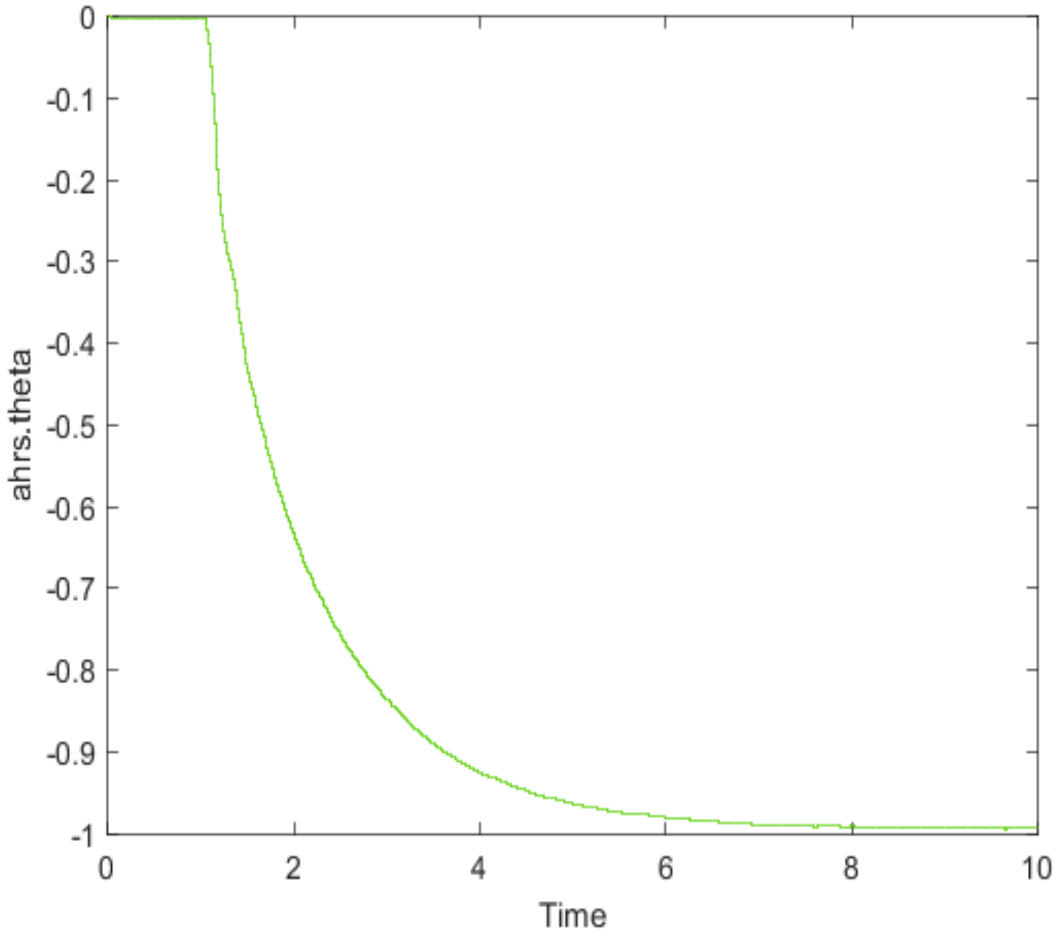
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2019-05-31 12:52:26
Simulation Stop Time:	2019-05-31 12:52:52
Platform:	PCWIN64

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

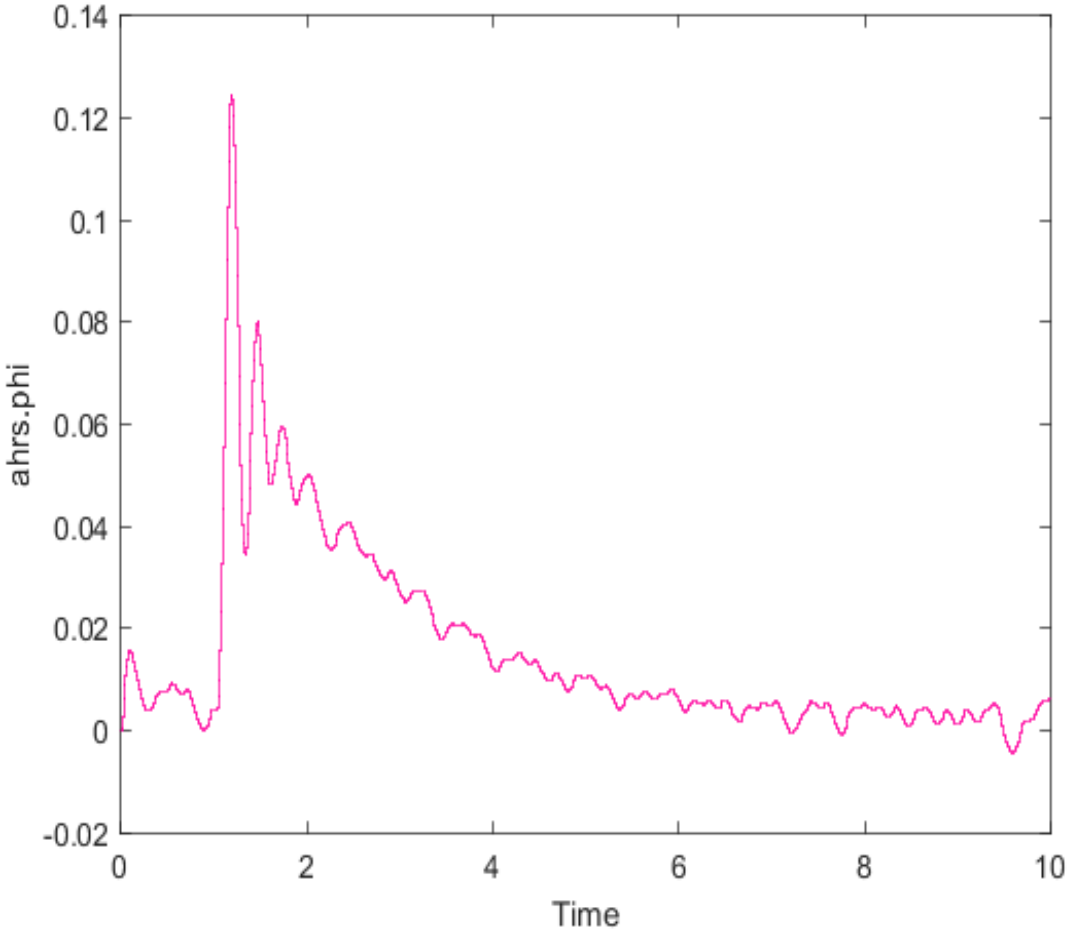
ahrs.r	double	deg/sec	0.01	zoh	union	Link
ahrs.valid	boolean		0.01	zoh	union	Link

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



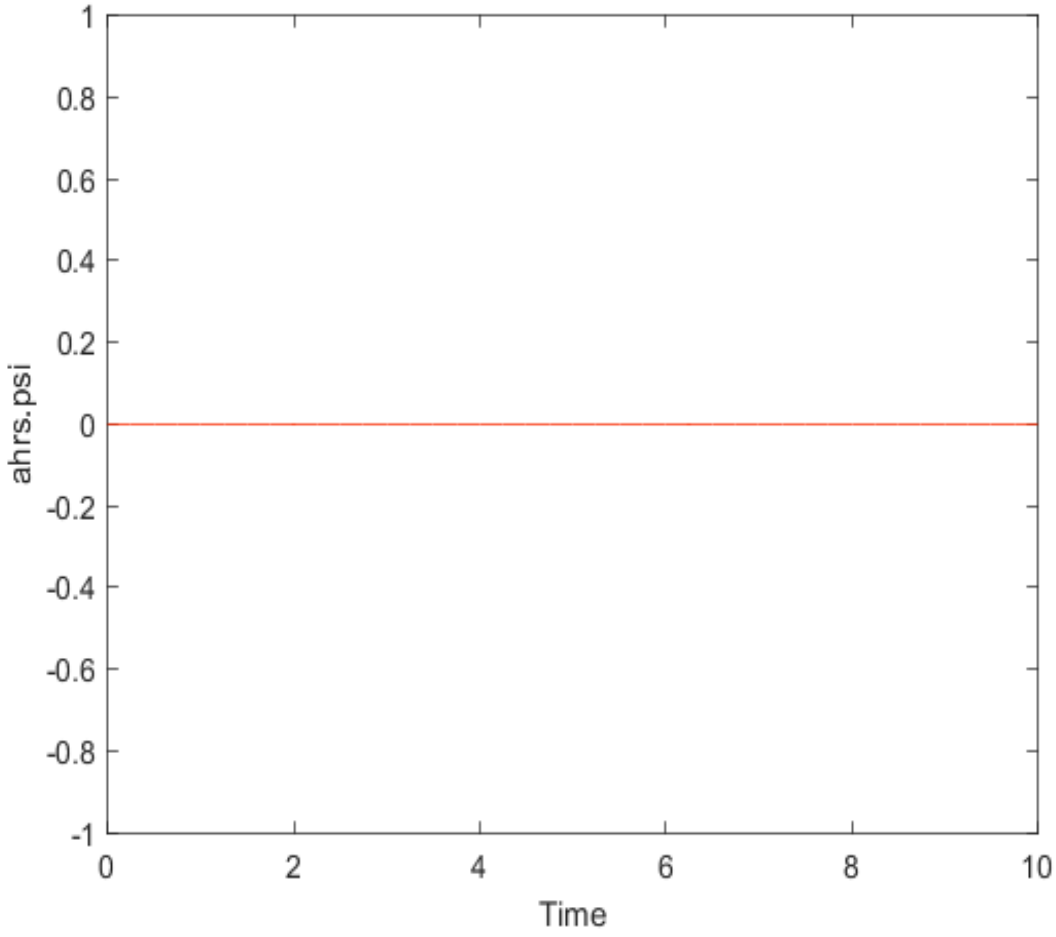
Back to Report SummaryBack to Signal Summary

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



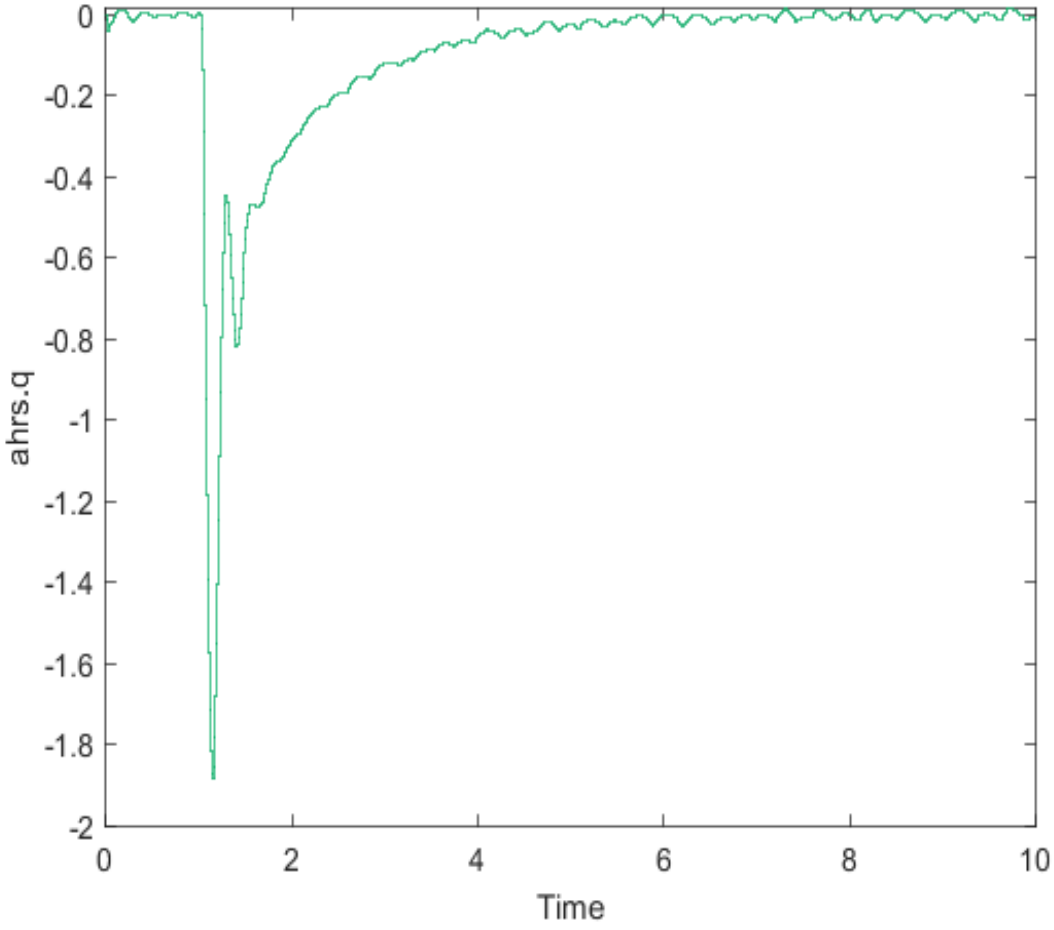
Back to Report SummaryBack to Signal Summary

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



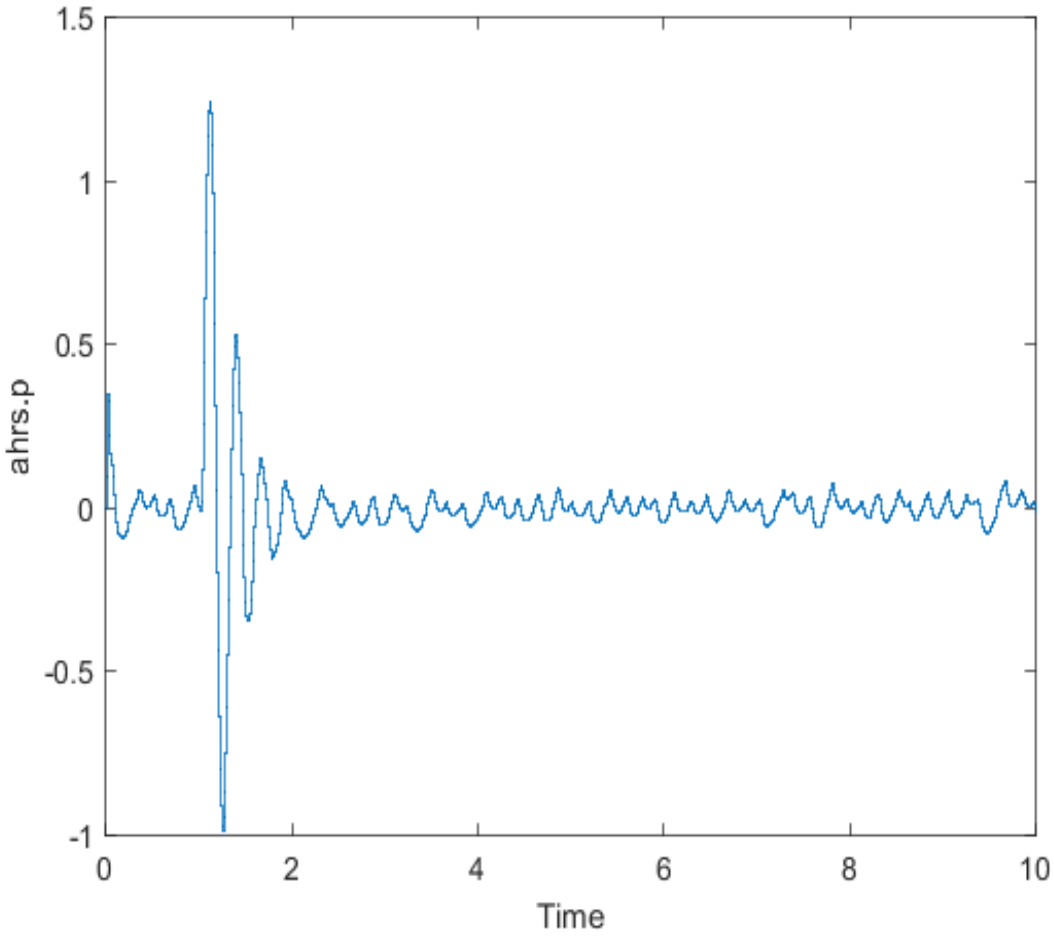
Back to Report SummaryBack to Signal Summary

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



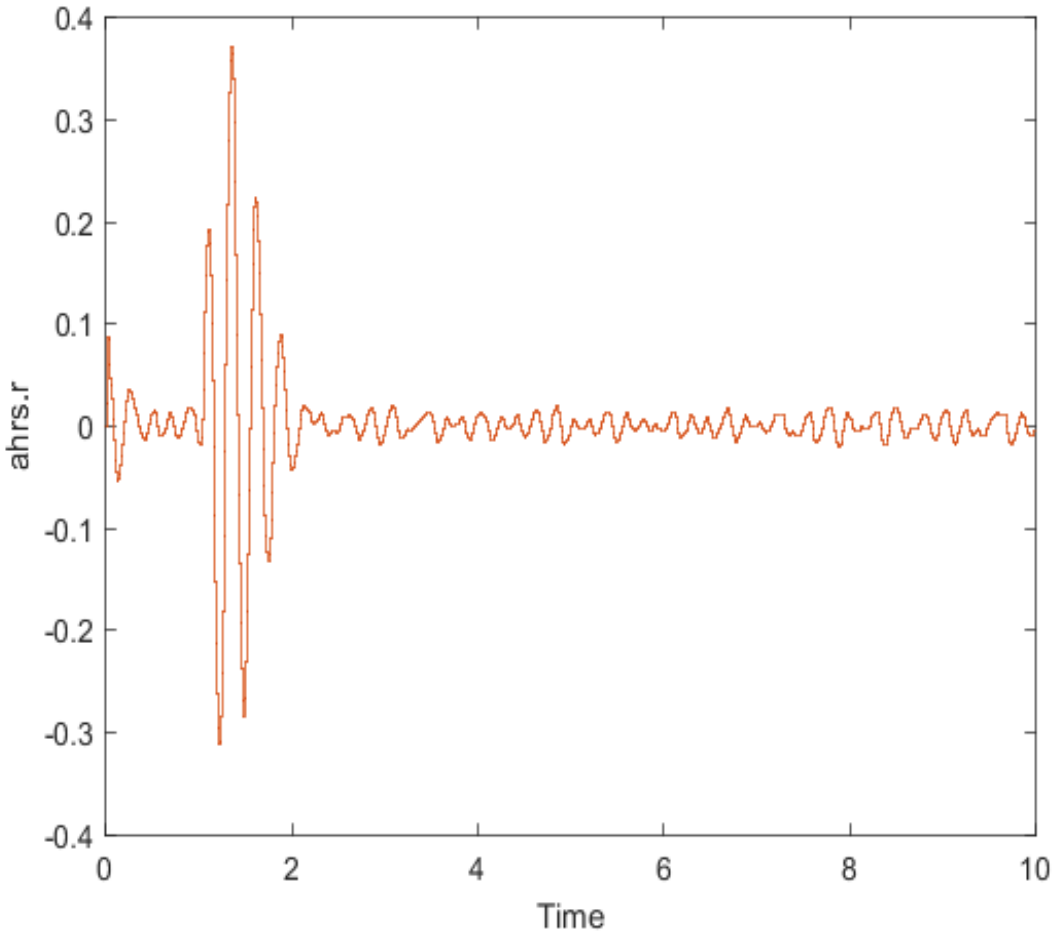
Back to Report SummaryBack to Signal Summary

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



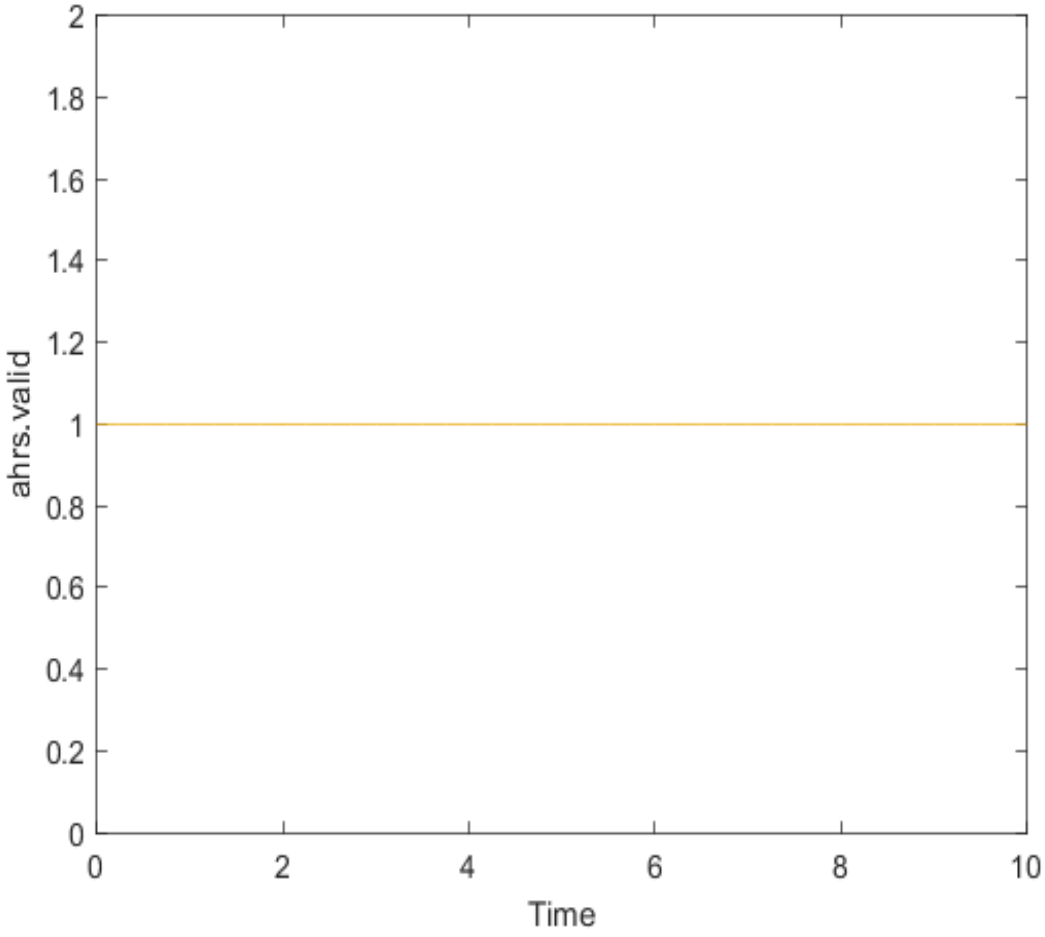
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
-0.890182567235976
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:
-0.994359041515568
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:
-0.994359041515568
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:
-0.989465853237920
Maximum Value (Inclusive):
-0.950000000000000

Helicopter Roll Control Test

Test Result Information

Result Type:	Test Suite Result
Parent:	HeliLoopTest
Start Time:	31-May-2019 12:52:53
End Time:	31-May-2019 12:53:43
Outcome:	Total: 2, Passed: 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:	31-May-2019 12:52:53
End Time:	31-May-2019 12:53:18
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 (HelicopterSystemRequirements#10)
Document:	HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

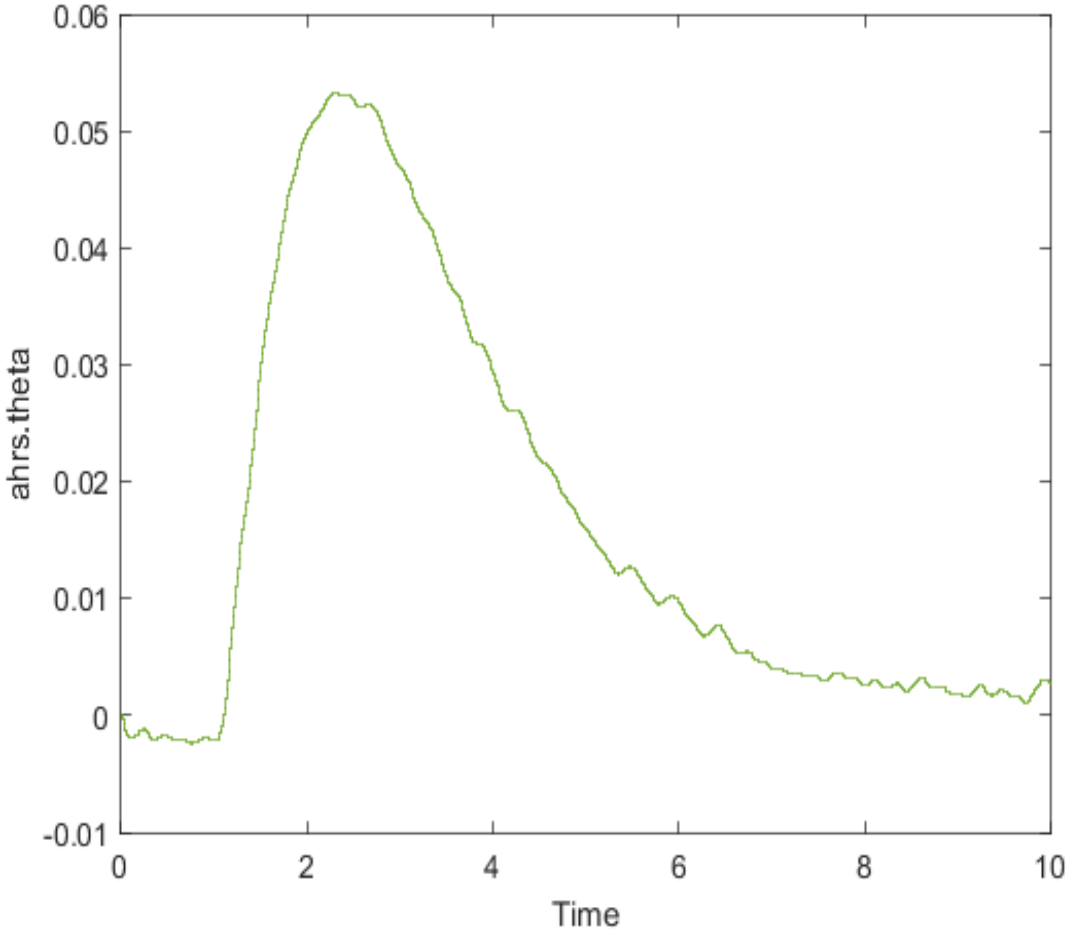
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step

Max Step Size: 0.001
Simulation Start Time: 2019-05-31 12:52:53
Simulation Stop Time: 2019-05-31 12:53:17
Platform: PCWIN64

Simulation Output

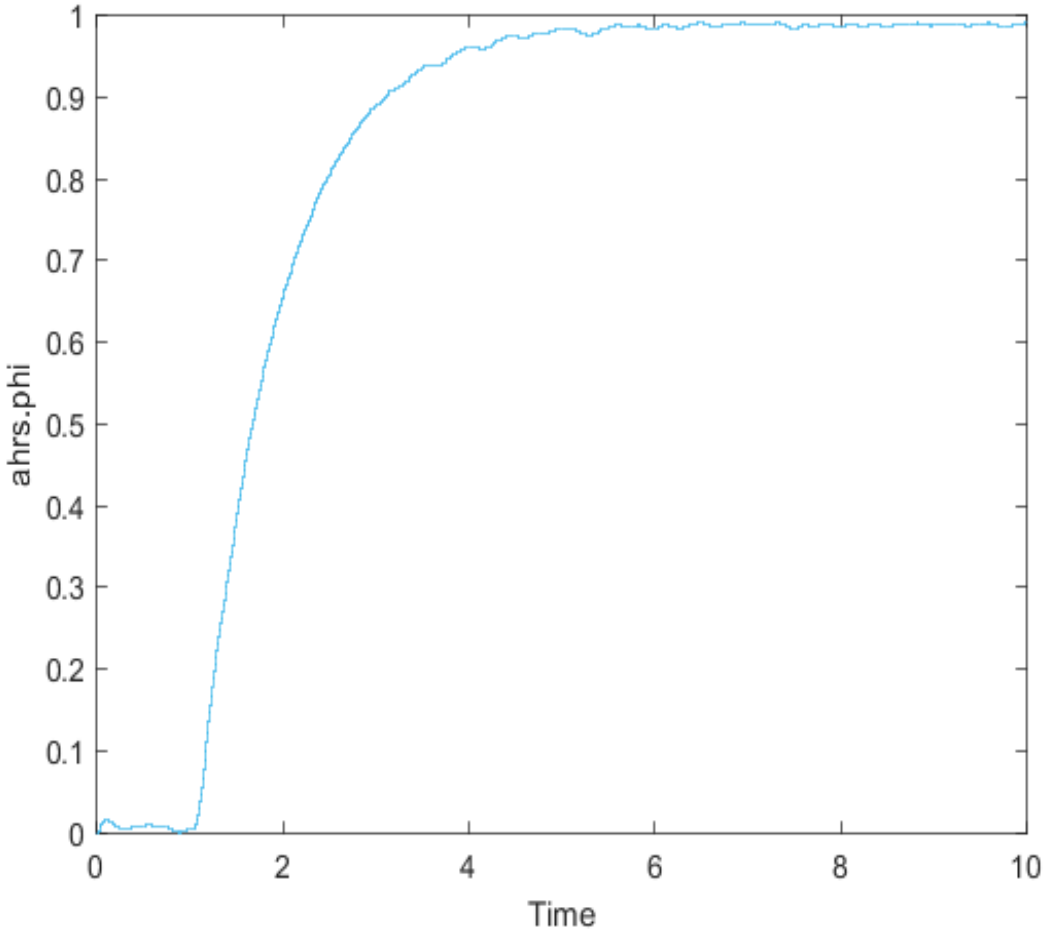
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
ahrs.theta	double	deg	0.01	zoh	union	Link
ahrs.phi	double	deg	0.01	zoh	union	Link
ahrs.psi	double	deg	0.01	zoh	union	Link
ahrs.q	double	deg/sec	0.01	zoh	union	Link
ahrs.p	double	deg/sec	0.01	zoh	union	Link
ahrs.r	double	deg/sec	0.01	zoh	union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



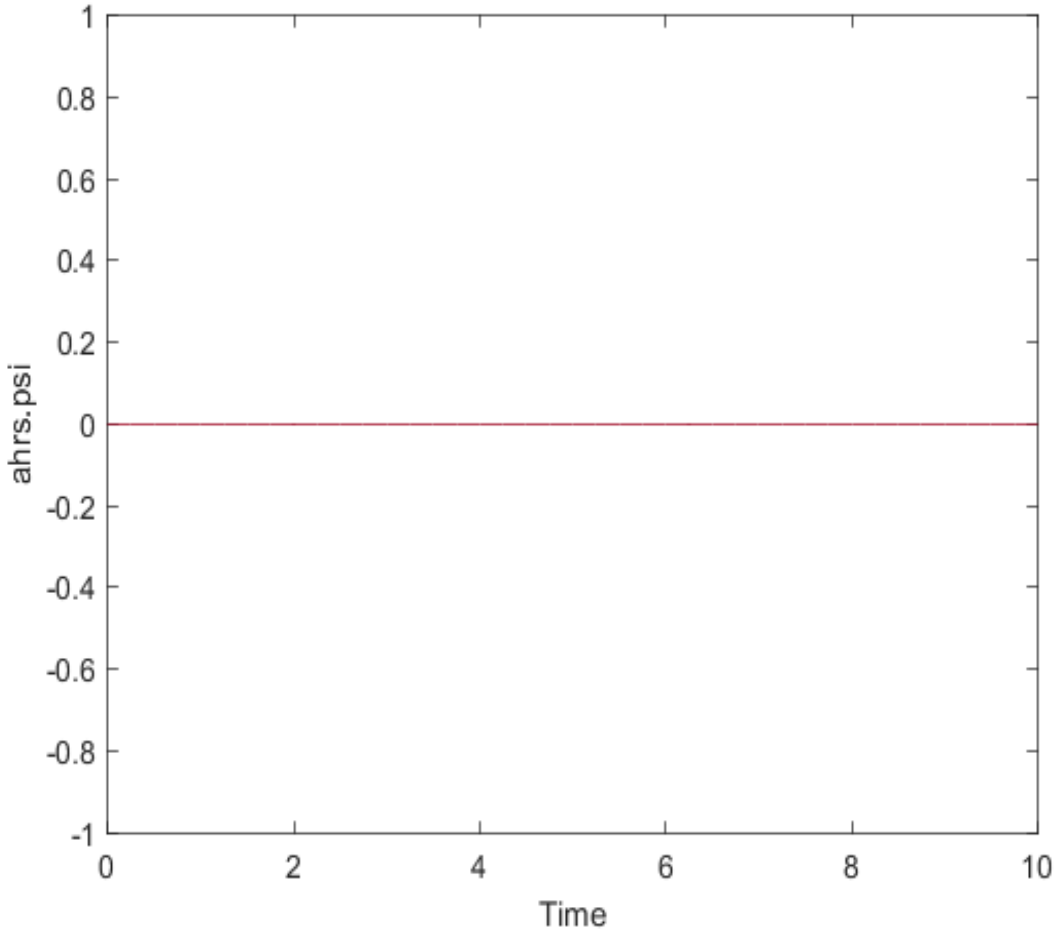
Back to Report SummaryBack to Signal Summary

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



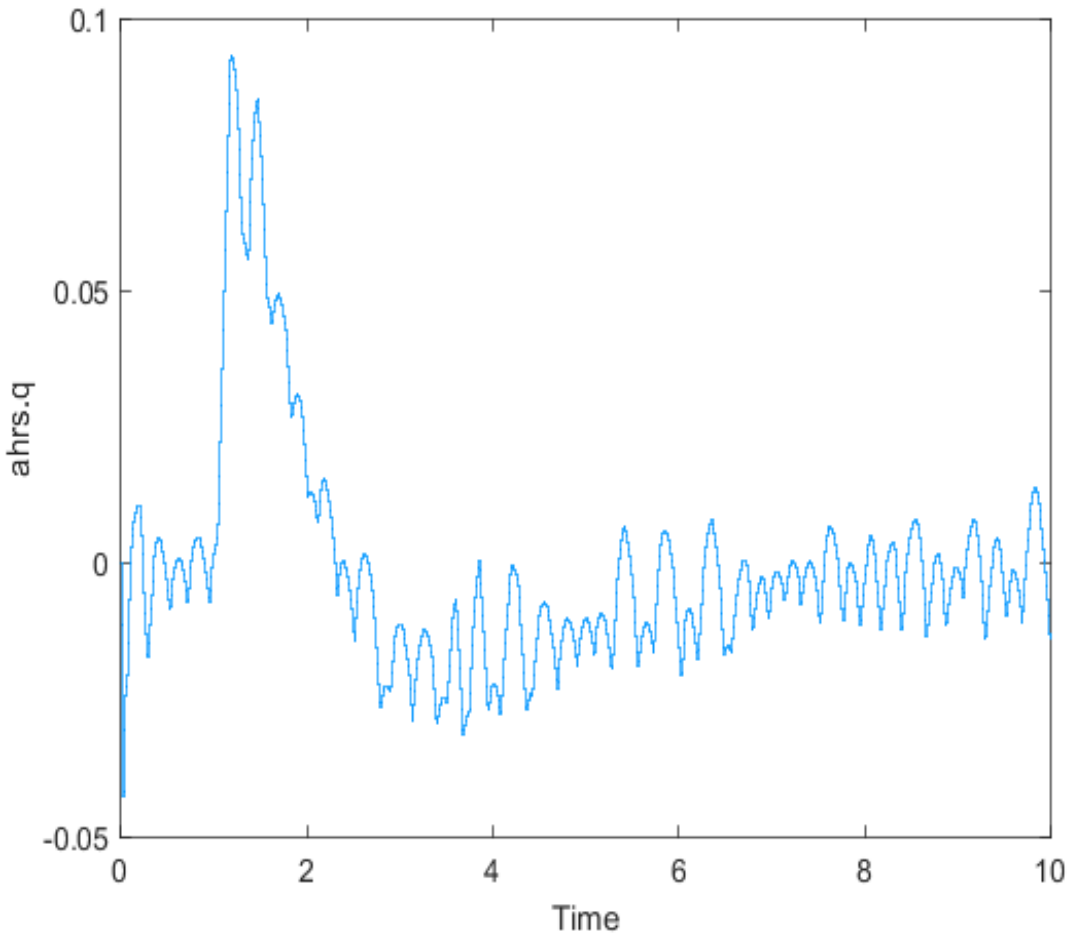
Back to Report SummaryBack to Signal Summary

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



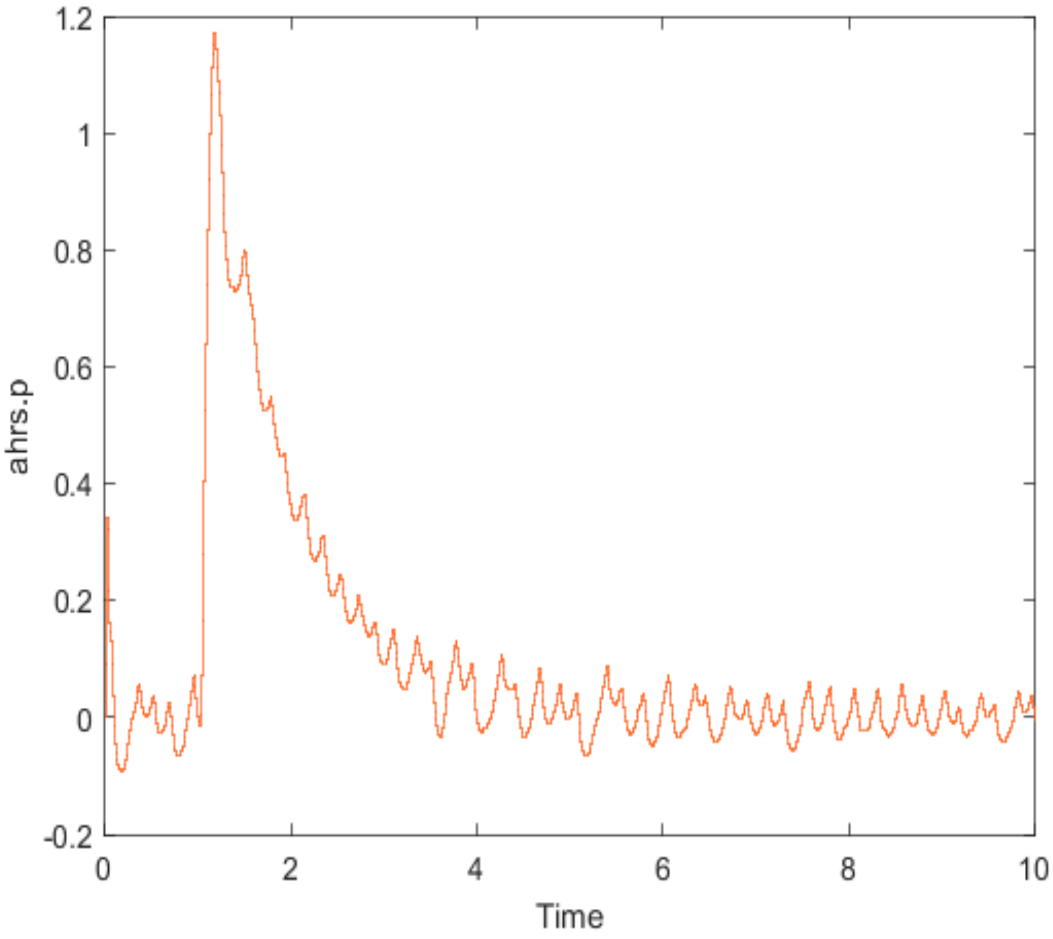
Back to Report SummaryBack to Signal Summary

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



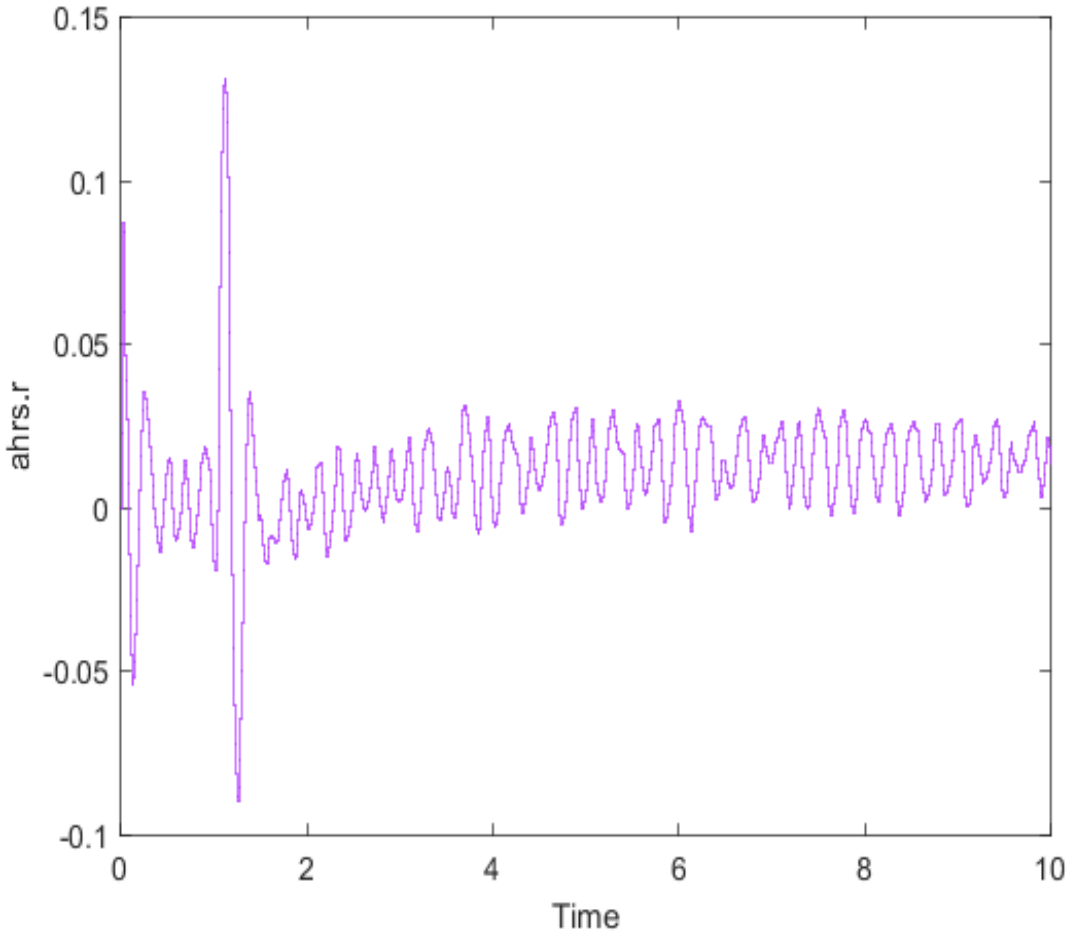
Back to Report SummaryBack to Signal Summary

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



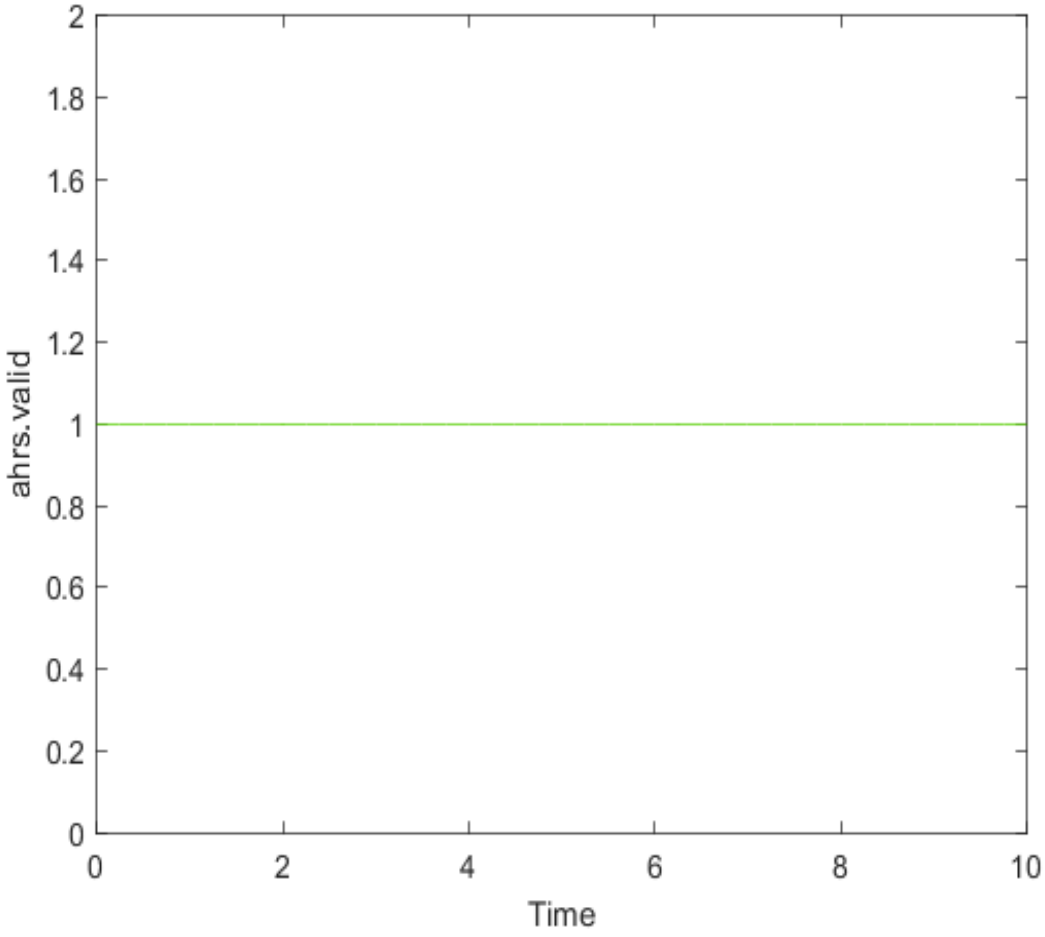
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
0.936450362760788
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:
0.991080483713319
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:
0.984222626444829
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:
0.990927581653827
Maximum Value (Inclusive):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result
Parent: Helicopter Roll Control Test
Start Time: 31-May-2019 12:53:18
End Time: 31-May-2019 12:53:43
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 (HelicopterSystemRequirements#10)

Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

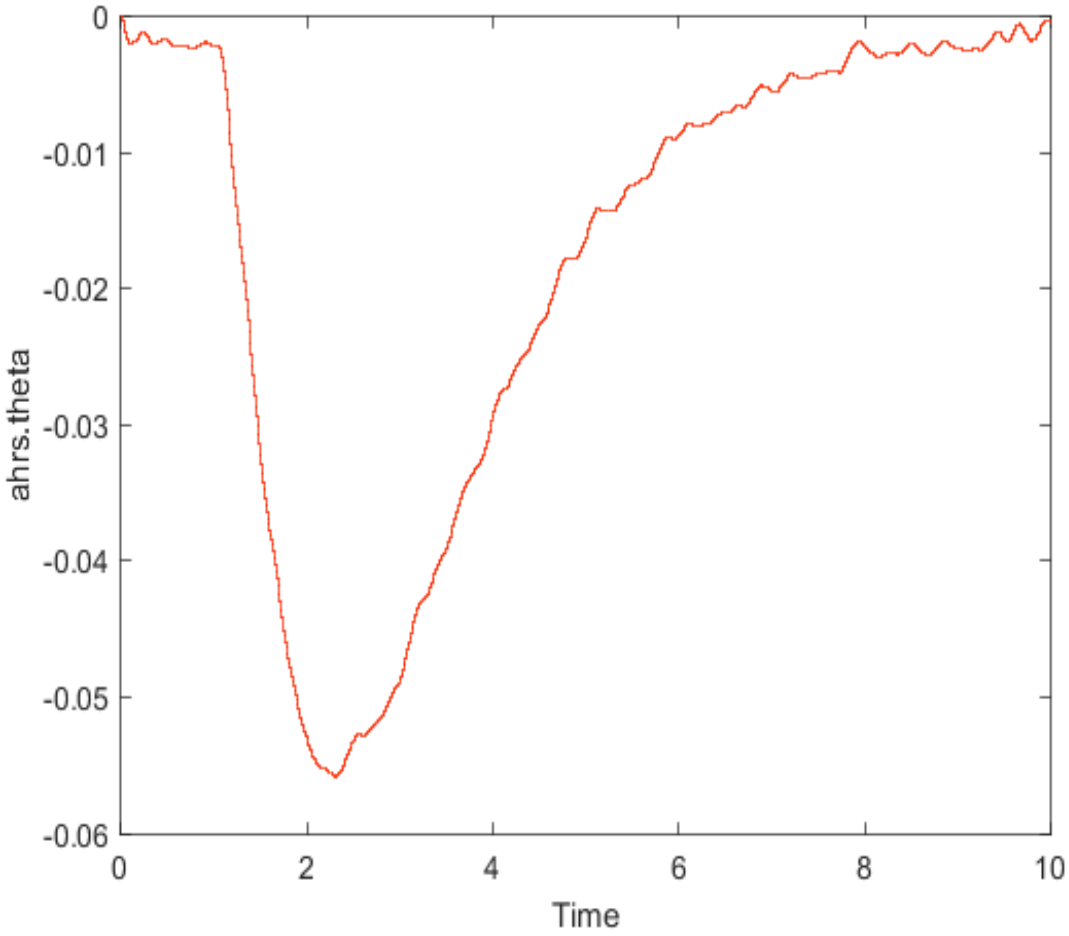
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2019-05-31 12:53:19
Simulation Stop Time:	2019-05-31 12:53:42
Platform:	PCWIN64

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

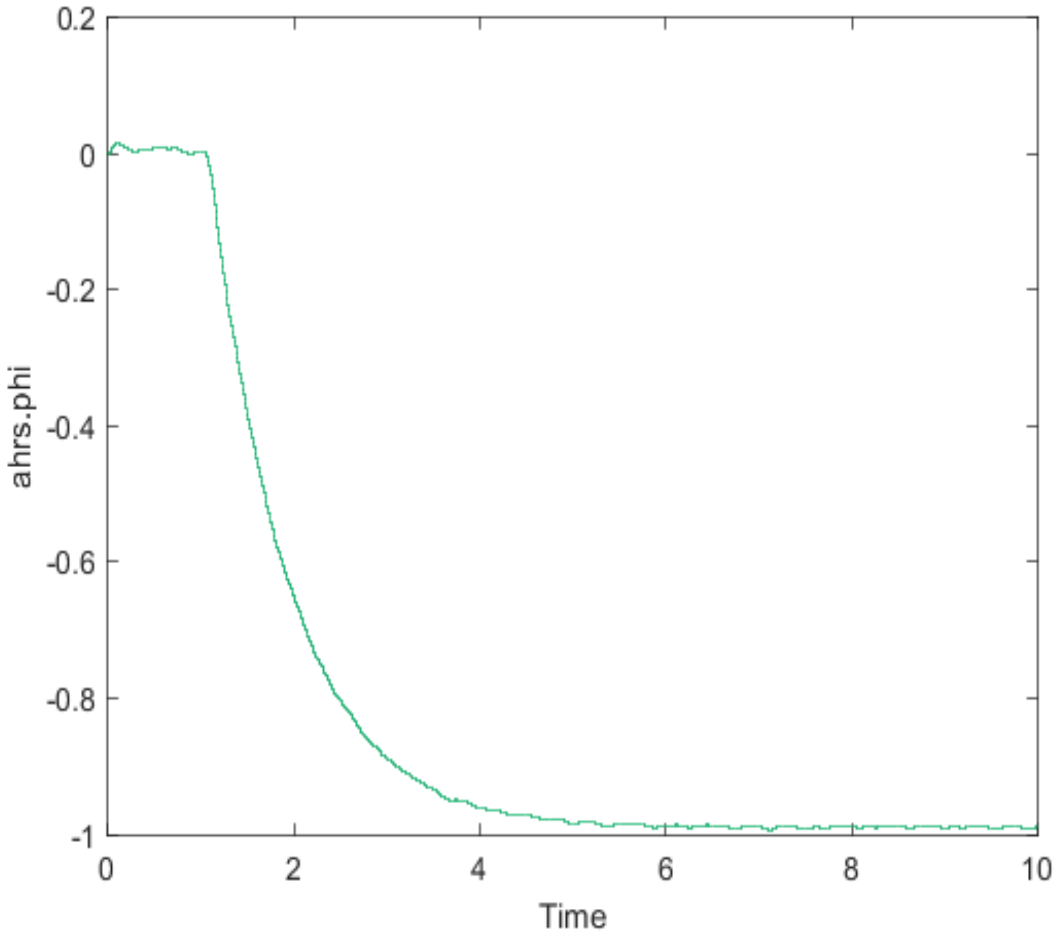
ahrs.r	double	deg/sec	0.01	zoh	union	Link
ahrs.valid	boolean		0.01	zoh	union	Link

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



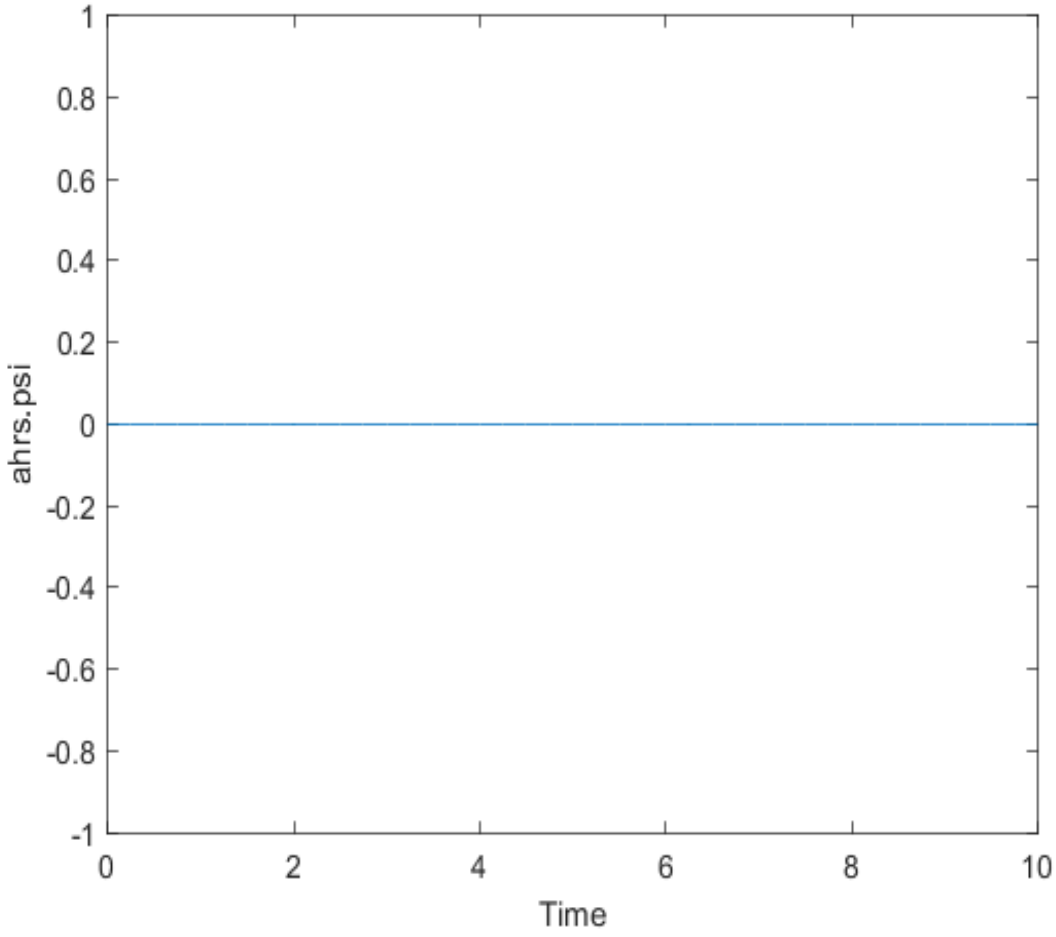
Back to Report SummaryBack to Signal Summary

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



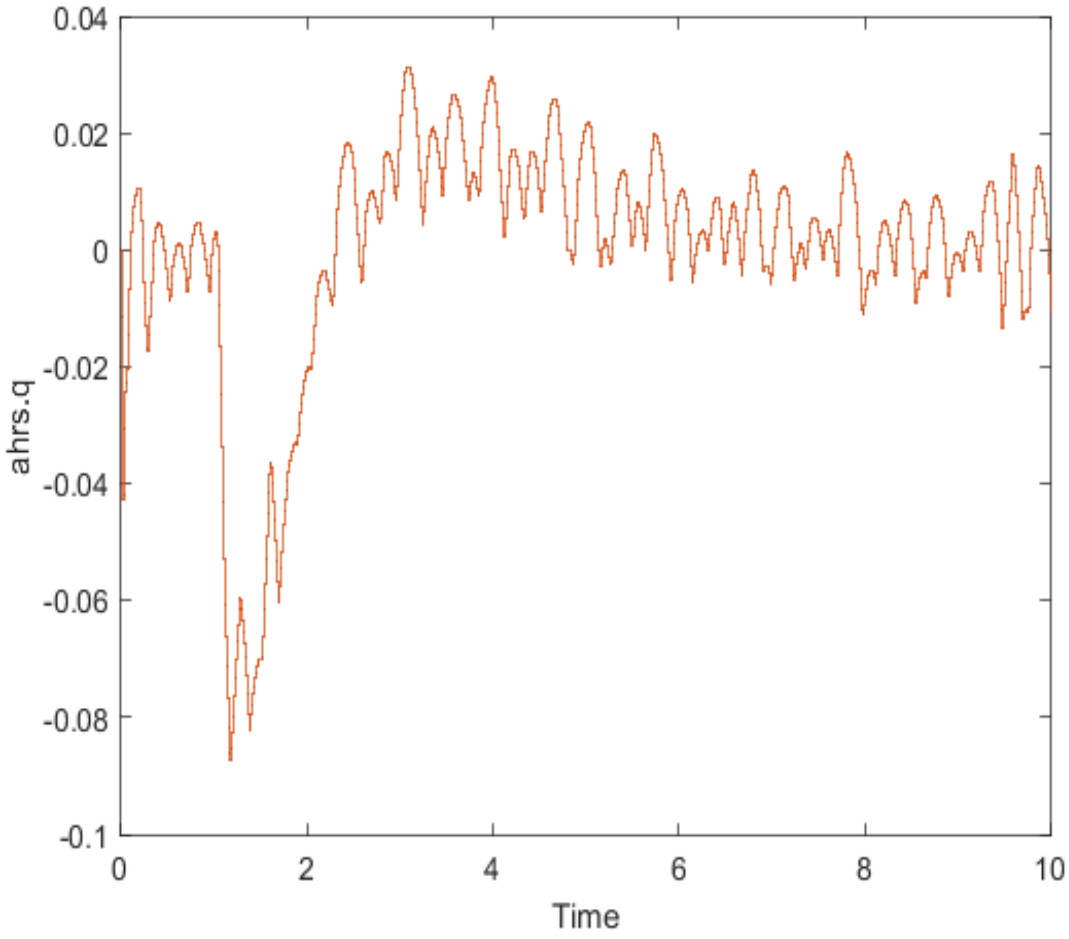
Back to Report SummaryBack to Signal Summary

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



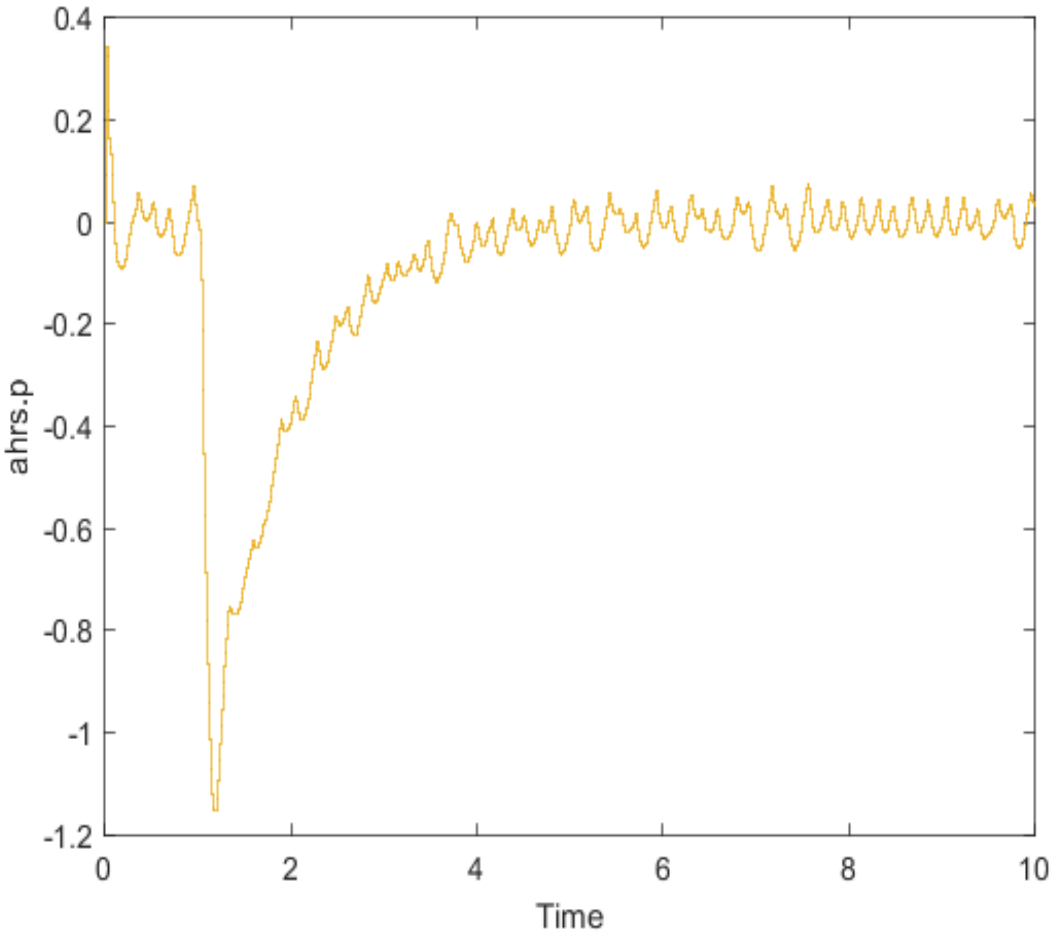
Back to Report SummaryBack to Signal Summary

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



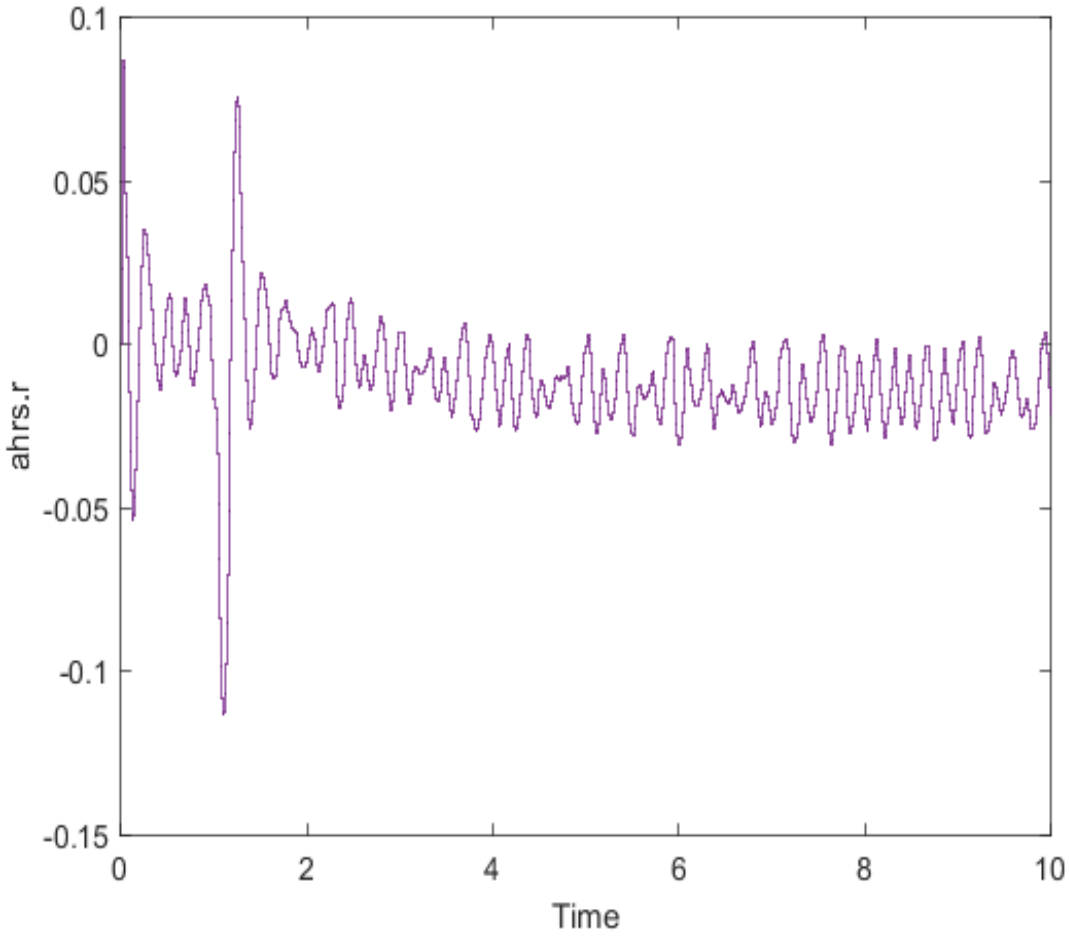
Back to Report SummaryBack to Signal Summary

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



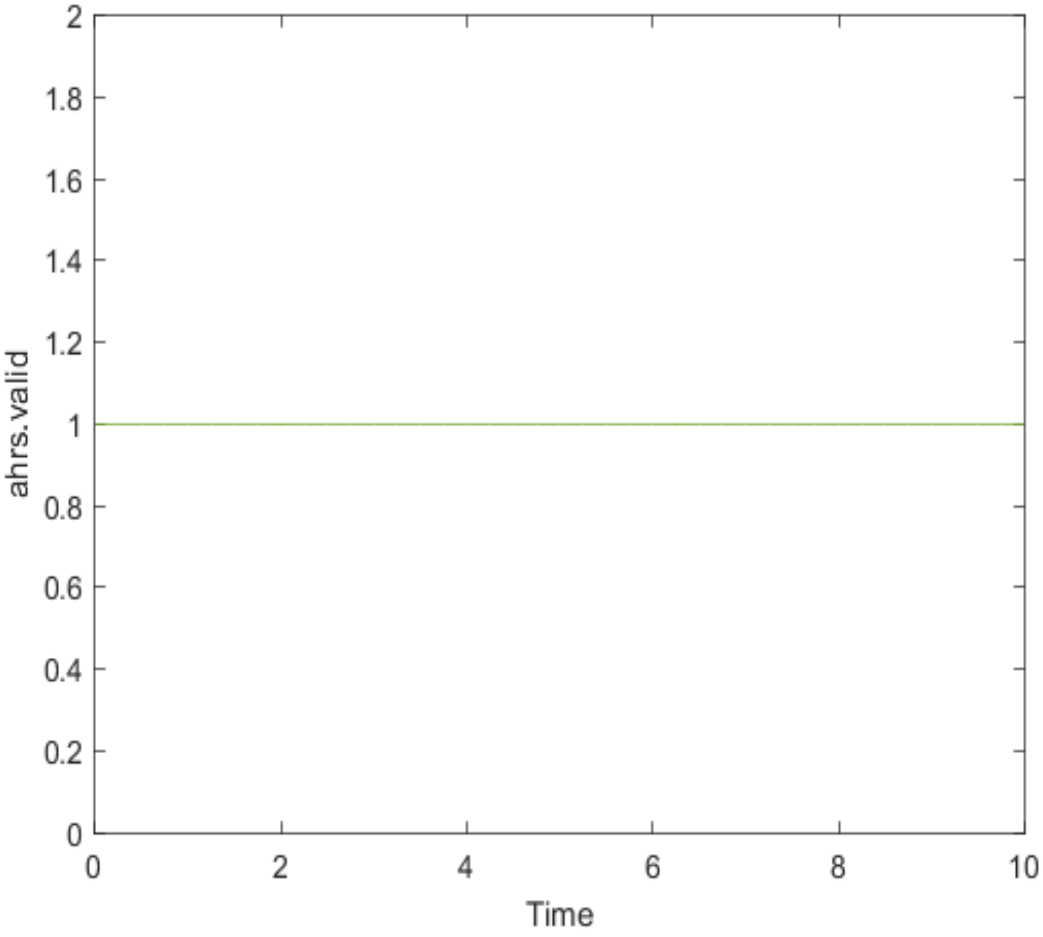
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
-0.933227461386989
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:
-0.993415130118128
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:
-0.993415130118128
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:
-0.987373140799446
Maximum Value (Inclusive):
-0.950000000000000

Helicopter Yaw Control Test

Test Result Information

Result Type:	Test Suite Result
Parent:	HeliLoopTest
Start Time:	31-May-2019 12:53:43
End Time:	31-May-2019 12:54:34
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:	31-May-2019 12:53:43
End Time:	31-May-2019 12:54:09
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 (HelicopterSystemRequirements#10)
Document:	HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

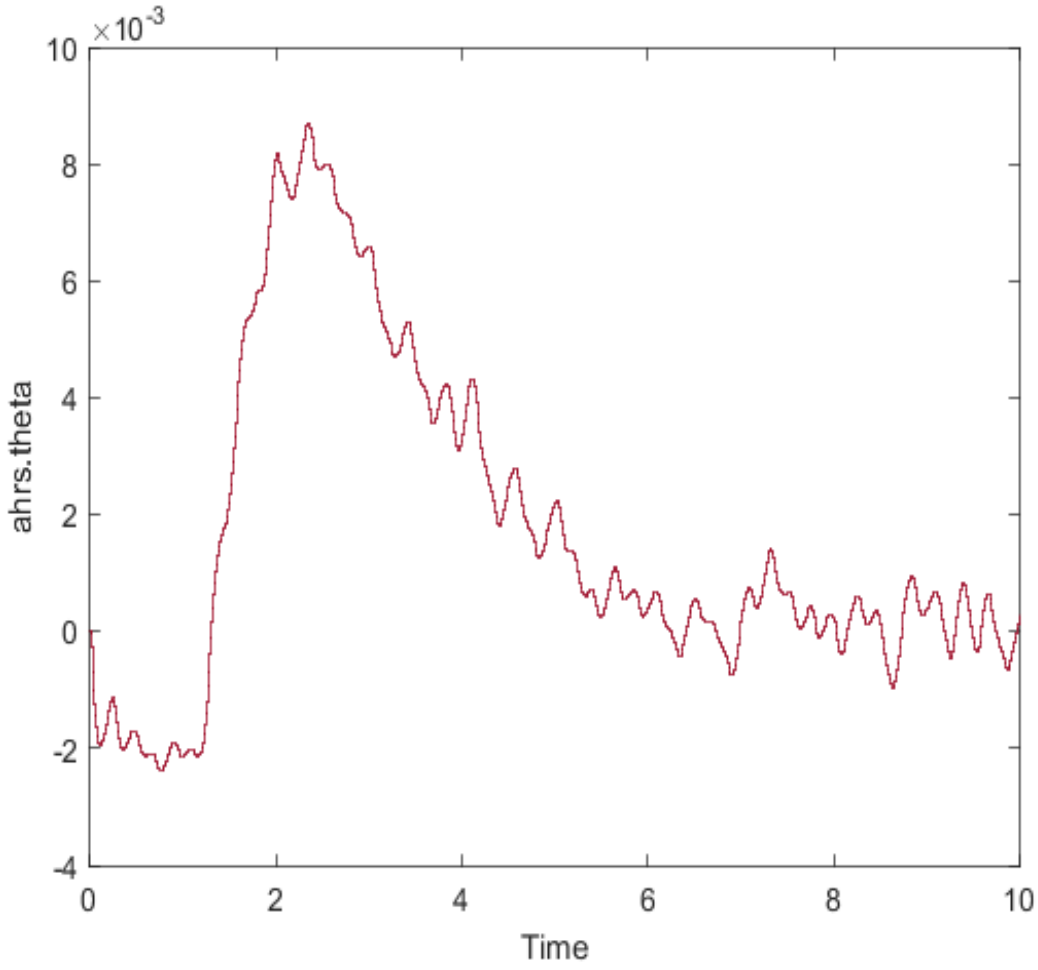
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step

Max Step Size:	0.001
Simulation Start Time:	2019-05-31 12:53:44
Simulation Stop Time:	2019-05-31 12:54:08
Platform:	PCWIN64

Simulation Output

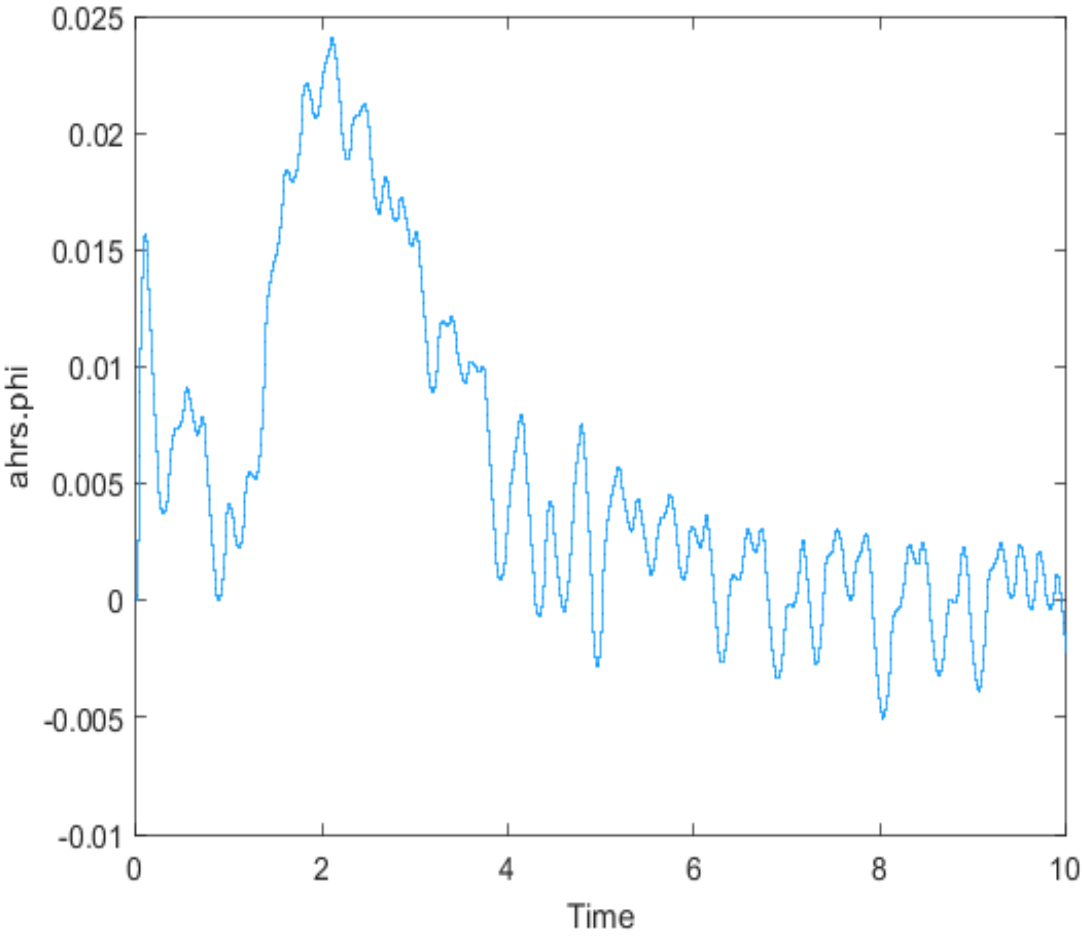
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
ahrs.theta	double	deg	0.01	zoh	union	Link
ahrs.phi	double	deg	0.01	zoh	union	Link
ahrs.psi	double	deg	0.01	zoh	union	Link
ahrs.q	double	deg/sec	0.01	zoh	union	Link
ahrs.p	double	deg/sec	0.01	zoh	union	Link
ahrs.r	double	deg/sec	0.01	zoh	union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



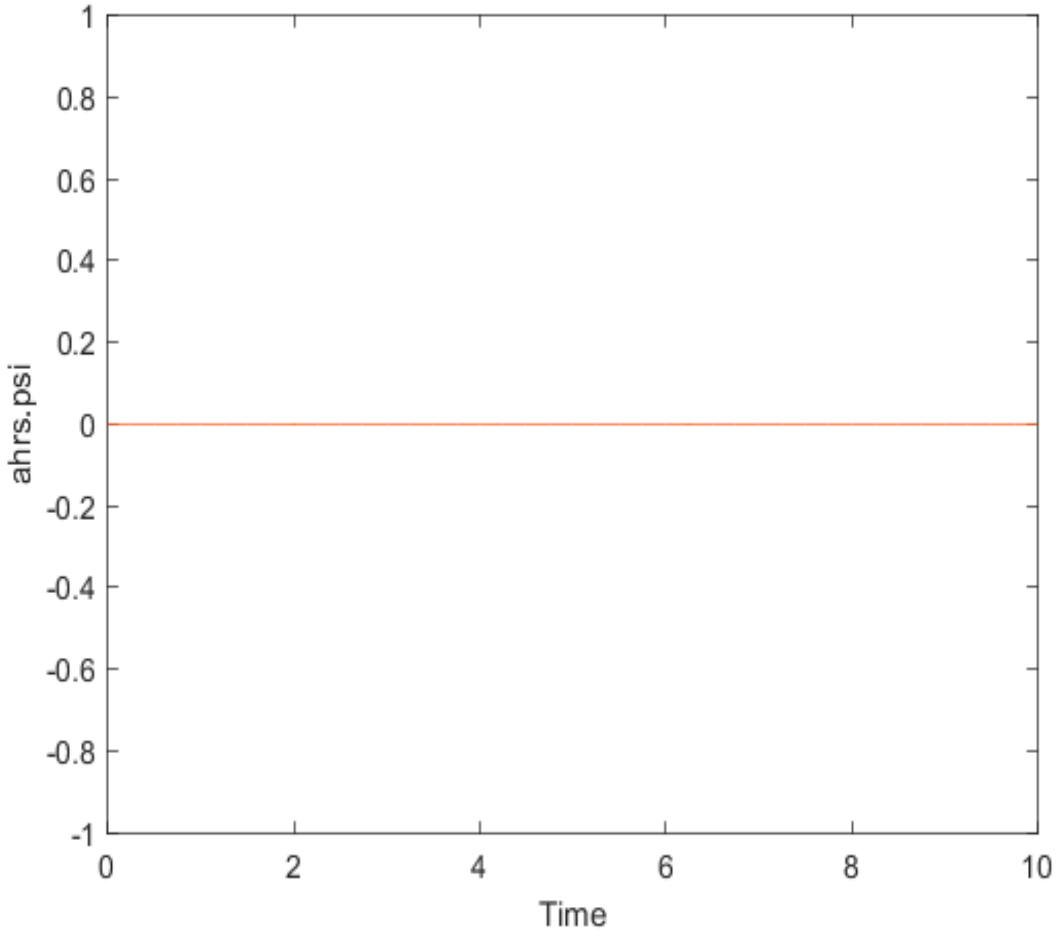
Back to Report SummaryBack to Signal Summary

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



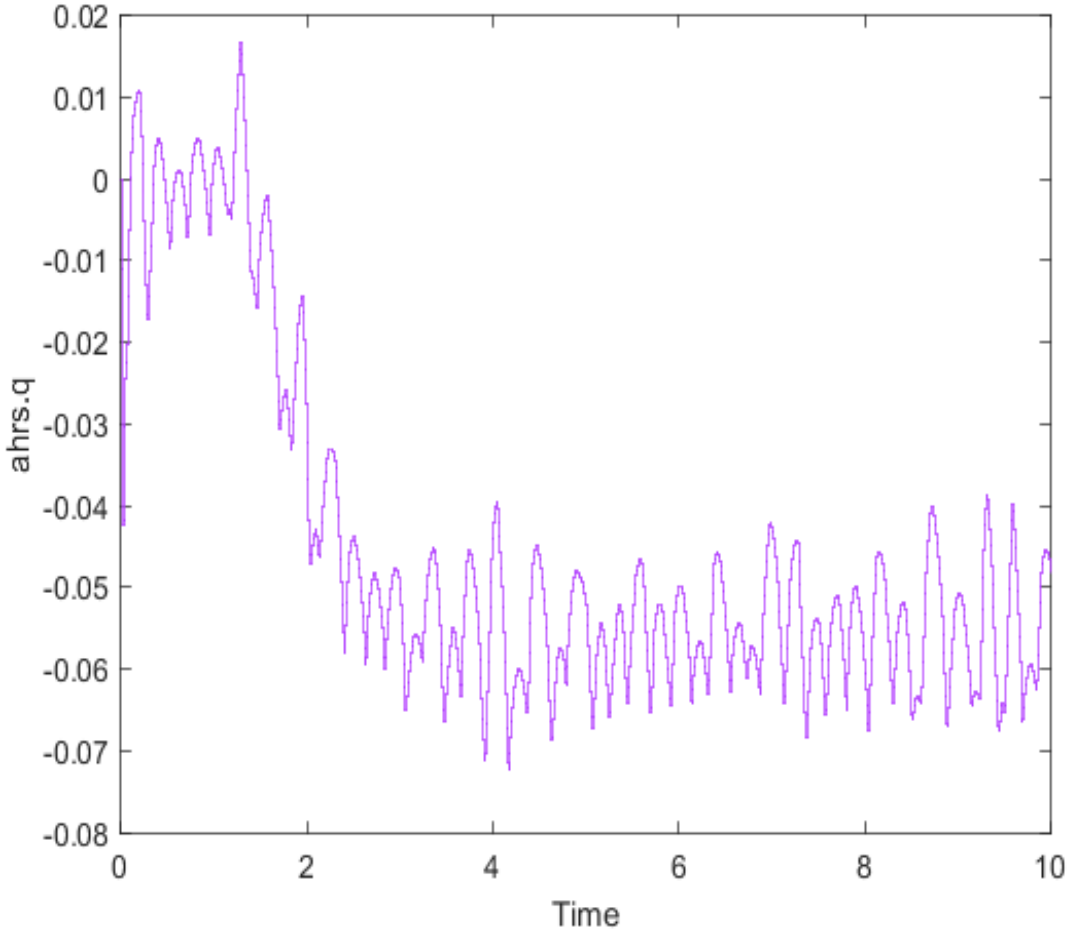
Back to Report SummaryBack to Signal Summary

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



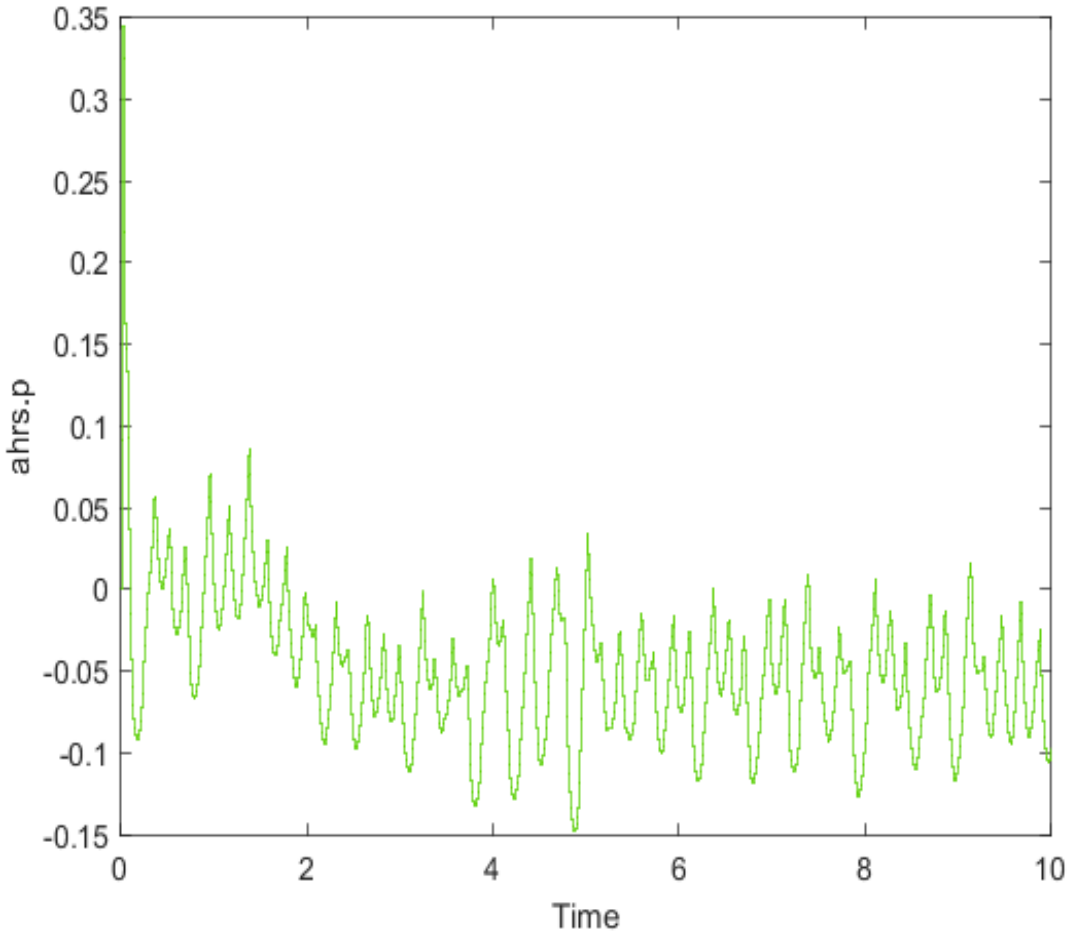
Back to Report SummaryBack to Signal Summary

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



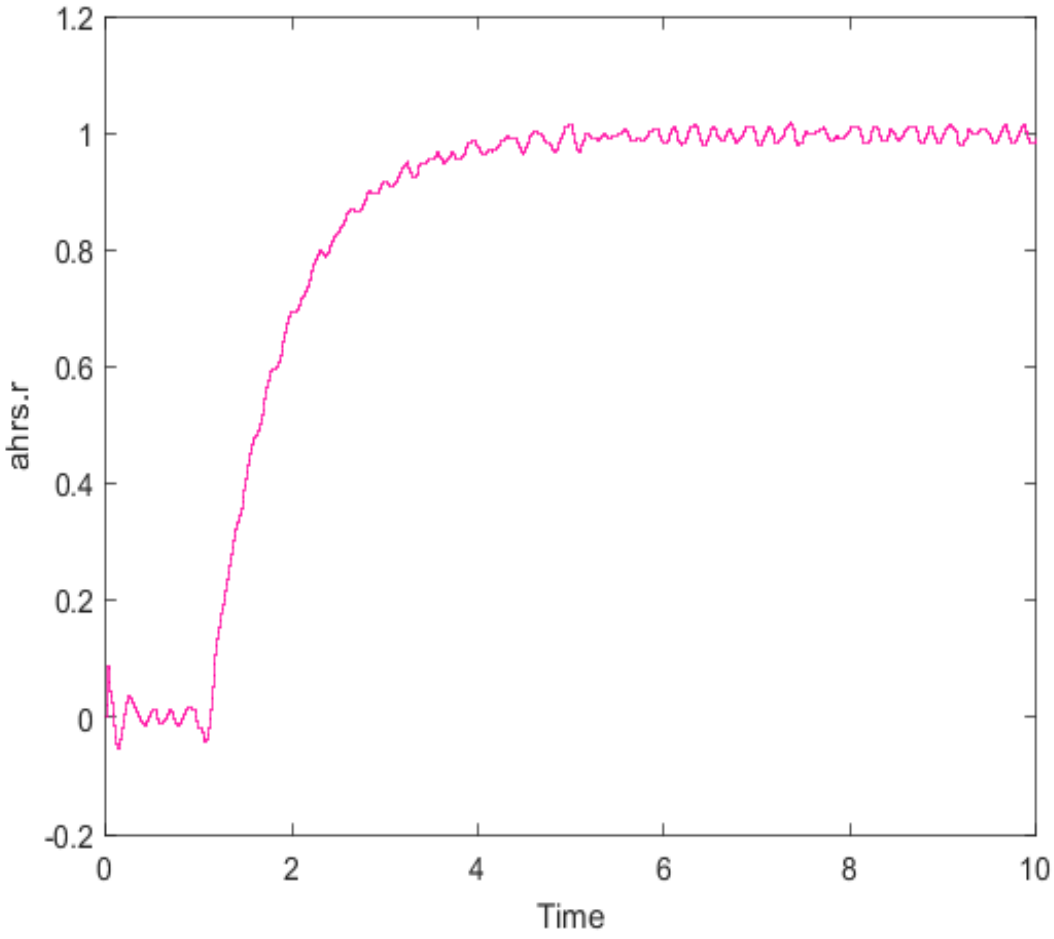
Back to Report SummaryBack to Signal Summary

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



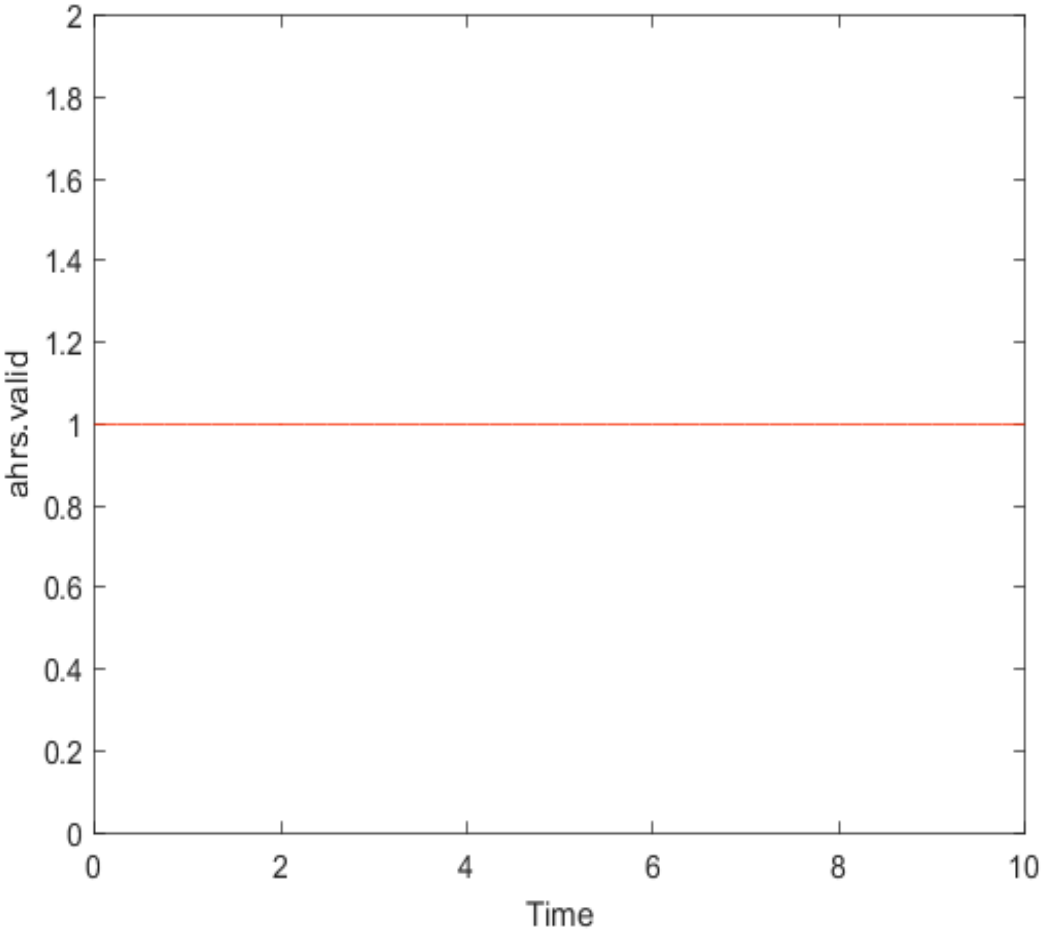
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
0.951174390261090
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:
1.018645080486781
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:
0.981488388547740
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:
1.018645080486781
Maximum Value (Inclusive):
1.050000000000000

SmallNegativeStep

Test Result Information

Result Type: Test Case Result
Parent: Helicopter Yaw Control Test
Start Time: 31-May-2019 12:54:09
End Time: 31-May-2019 12:54:34
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 (HelicopterSystemRequirements#10)

Document: HelicopterSystemRequirements.slreqx

Simulation

System Under Test Information

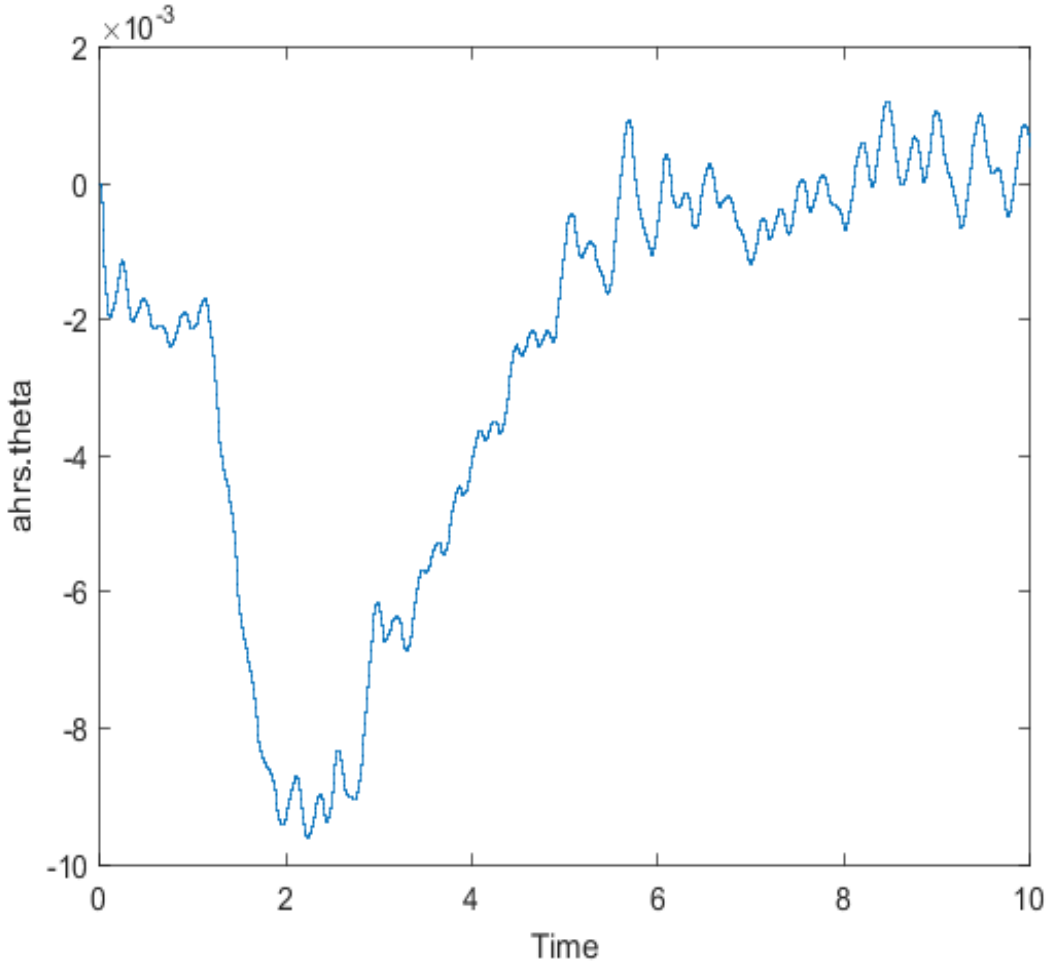
Model:	HelicopterSystem
Simulation Mode:	normal
Configuration Set:	Configuration
Start Time:	0
Stop Time:	10
Checksum:	1452374767 2694912940 1796571153 1815399691
Simulink Version:	9.3
Model Version:	1.21
Model Author:	bpotter
Date:	Wed May 08 07:15:05 2019
User ID:	bpotter
Model Path:	C:\Users\bpotter\MATLAB\Projects\ARP_Example_Project\ARP_03_SystemArchitecture\specification\HelicopterSystem.slx
Machine Name:	AH-BPOTTER
Solver Name:	ode23t
Solver Type:	Variable-Step
Max Step Size:	0.001
Simulation Start Time:	2019-05-31 12:54:10
Simulation Stop Time:	2019-05-31 12:54:33
Platform:	PCWIN64

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

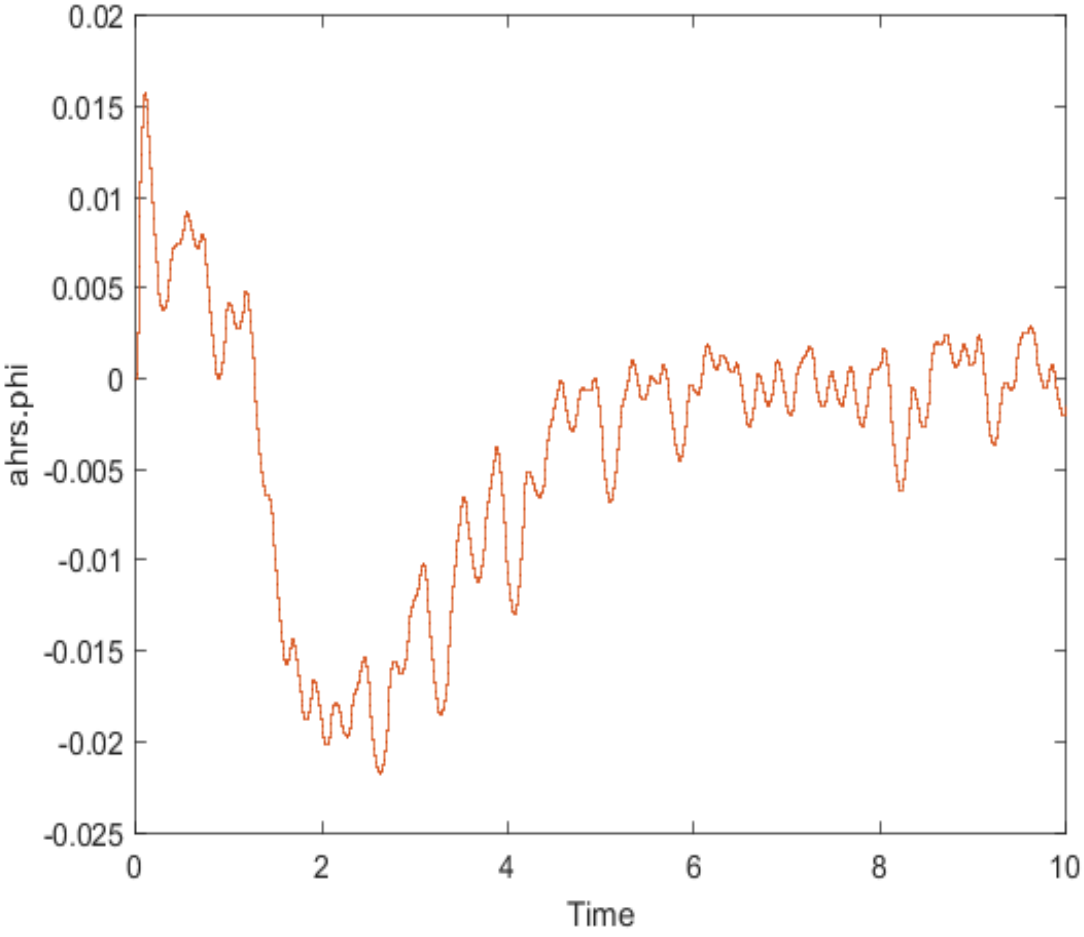
ahrs.r	double	deg/sec	0.01	zoh	union	Link
ahrs.valid	boolean		0.01	zoh	union	Link

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



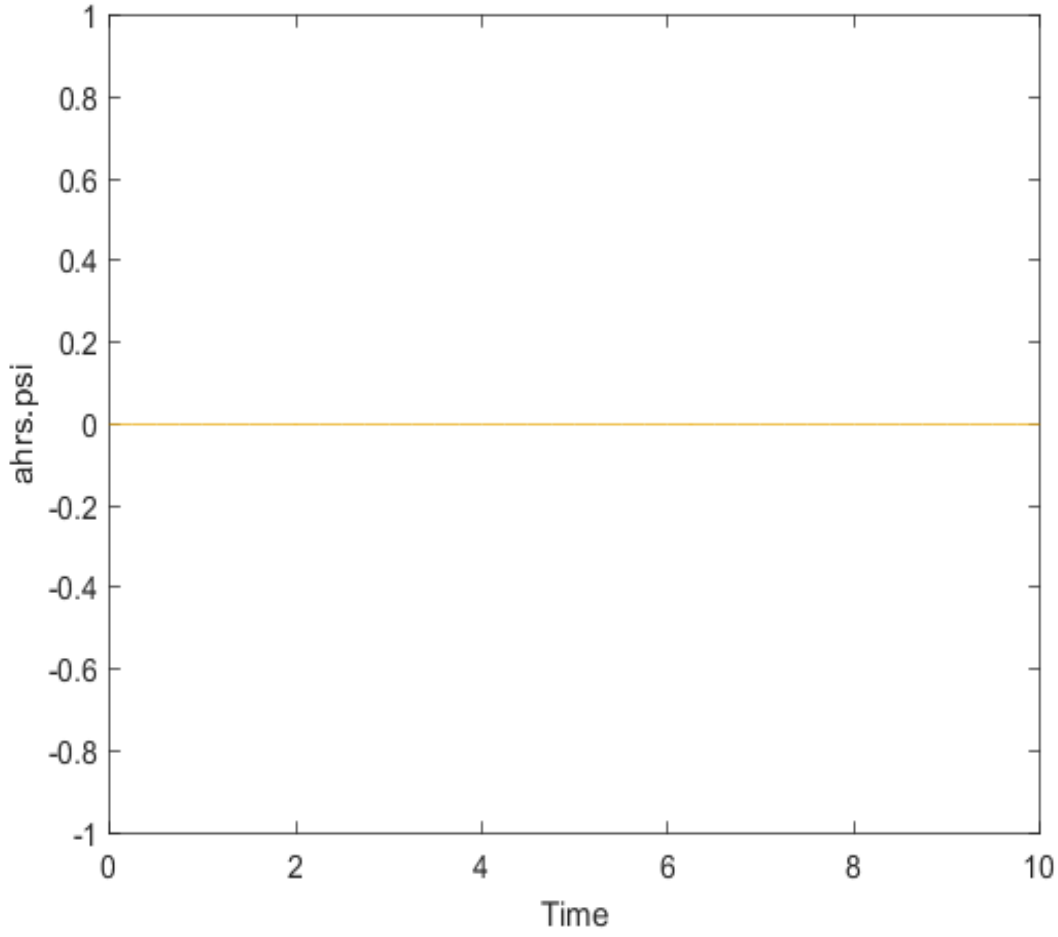
Back to Report SummaryBack to Signal Summary

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



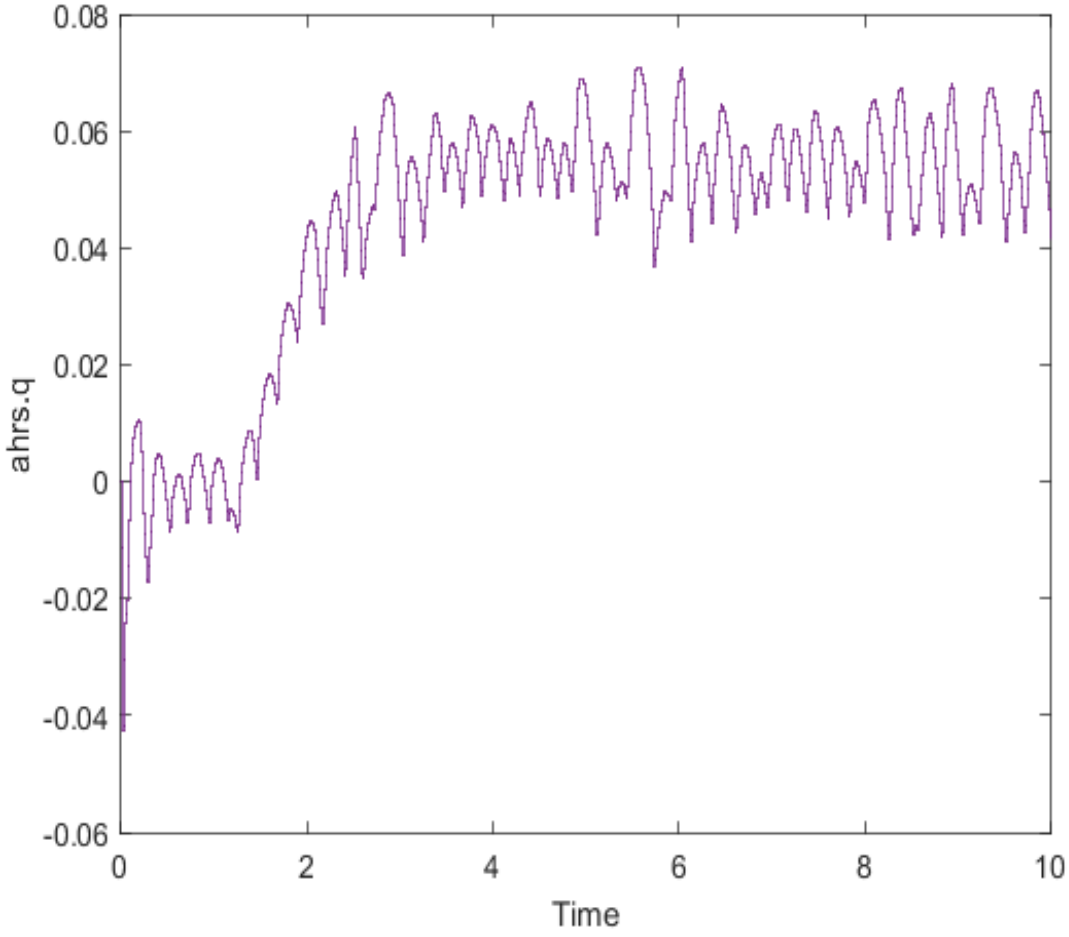
Back to Report SummaryBack to Signal Summary

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



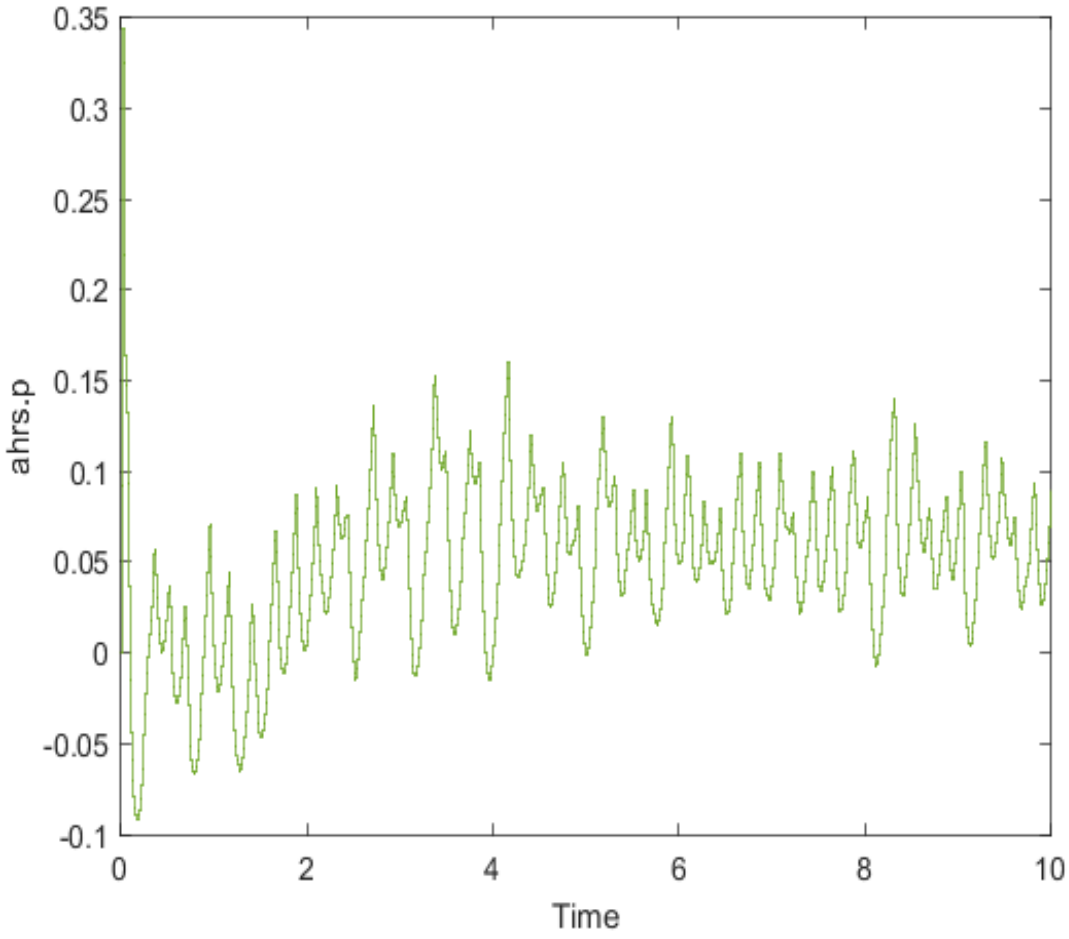
Back to Report SummaryBack to Signal Summary

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



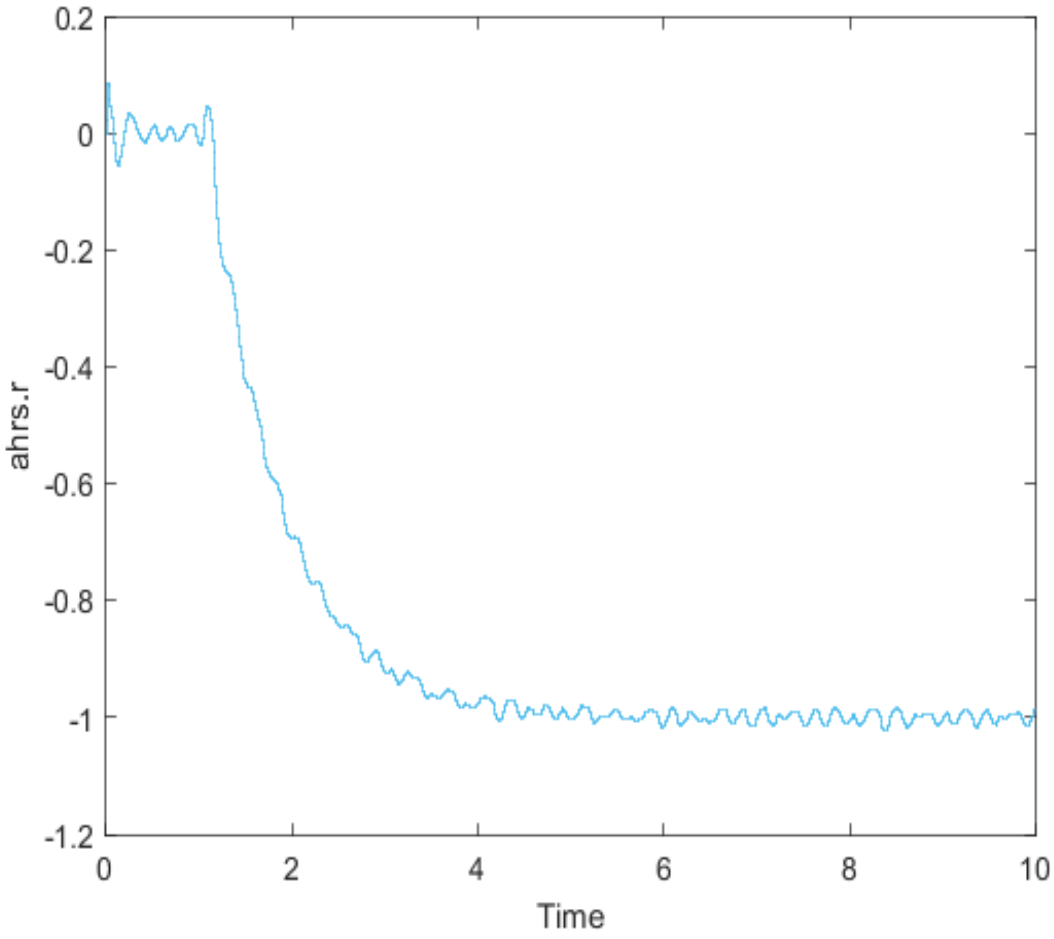
Back to Report SummaryBack to Signal Summary

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



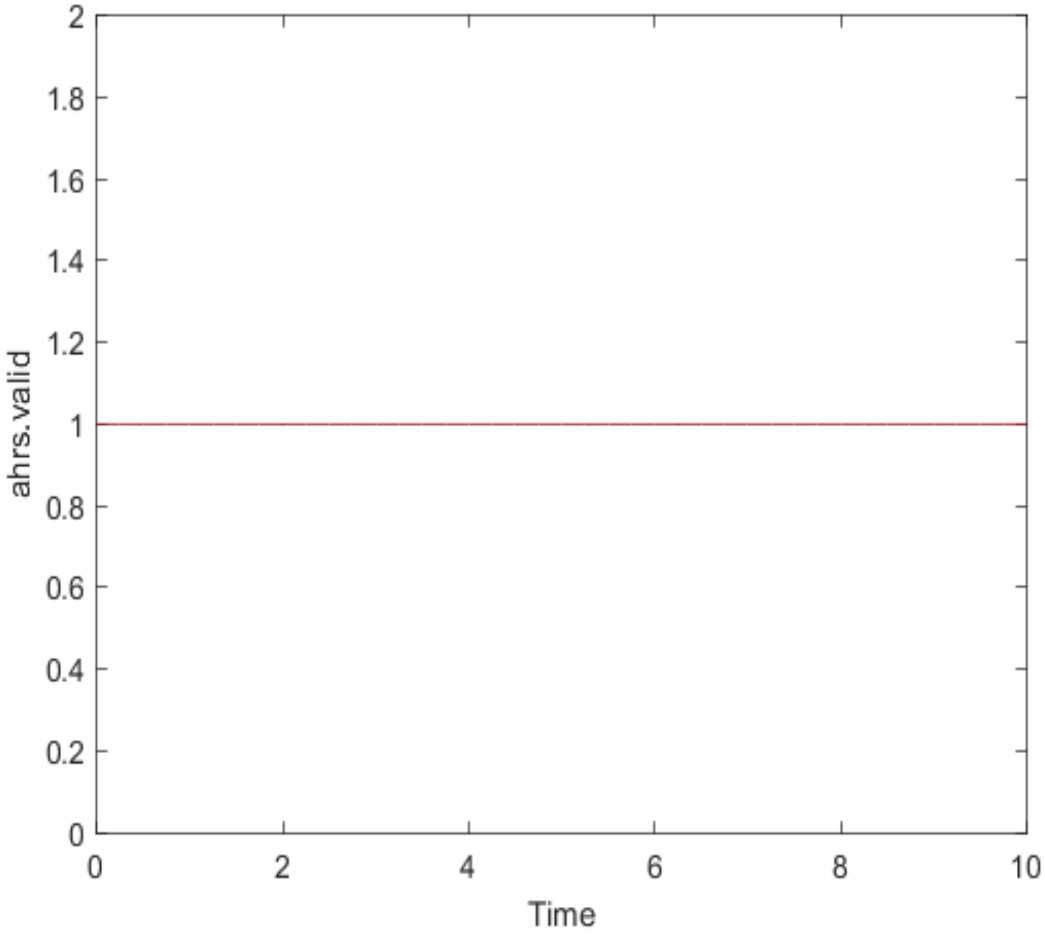
Back to Report SummaryBack to Signal Summary

Name	Data Type	Units	Sample Time	Interp	Sync
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:
-0.952898053900316
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:
-1.022867435958411
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:
-1.022867435958411
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:
-0.981627611193364
Maximum Value (Inclusive):
-0.950000000000000