












Report Generated by Test Manager

Title: MIL_SIL_Test
Author: Navnath Sabale
Date: 04-Aug-2022 14:53:27

Test Environment

Platform: PCWIN64
MATLAB: (R2021a)

Summary

Name	Outcome	Duration (Seconds)
Results: 2022-Aug-04 14:51:03	2 	93.336
 Eas_Test	2 	93.336
 MIL		5.022
 Functional Test		5.022
 SIL		88.243
 Functional Test		88.243

Results: 2022-Aug-04 14:51:03

Result Type: Result Set
Parent: None
Start Time: 04-Aug-2022 14:51:06
End Time: 04-Aug-2022 14:52:39
Outcome: Total: 2, Passed: 2

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Eas_Test

Test Result Information

Result Type: Test File Result
Parent: [Results: 2022-Aug-04 14:51:03](#)
Start Time: 04-Aug-2022 14:51:06
End Time: 04-Aug-2022 14:52:39
Outcome: Total: 2, Passed: 2

Test Suite Information

Name: Eas_Test

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MIL

Test Result Information

Result Type: Test Suite Result
Parent: [Eas_Test](#)
Start Time: 04-Aug-2022 14:51:06
End Time: 04-Aug-2022 14:51:11
Outcome: Total: 1, Passed: 1

Test Suite Information

Name: MIL

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Functional_Test

Test Result Information

Result Type: Test Case Result
Parent: [MIL](#)
Start Time: 04-Aug-2022 14:51:06
End Time: 04-Aug-2022 14:51:11
Outcome: **Passed**

Test Case Information

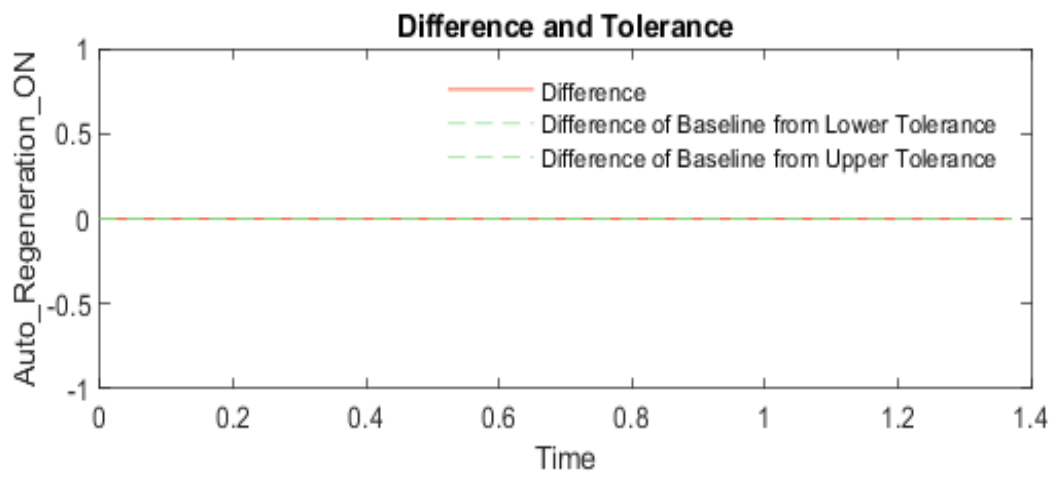
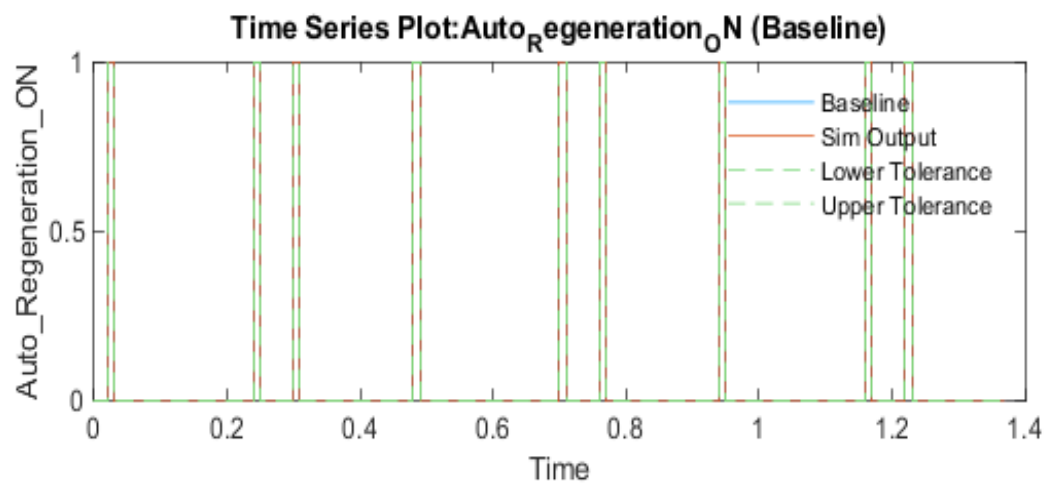
Name: Functional_Test
Type: Baseline Test
Baseline Name: Eas_Test11
Baseline File: E:\Matlab\Project\Eas_24072022-20220726T17095
9Z-001\Eas_24072022\Eas_Functional_Test.xlsx

Baseline Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
✓ Auto_Regeneration_ON	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Manual_Regeneration_Start	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Post_Injector2	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Post_Injector1	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Post_Injector4	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Post_Injector3	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link
✓ Press_Regeneration_Button	0	0	0	0	0	boolean			boolean		0.01	zoh	union	Link

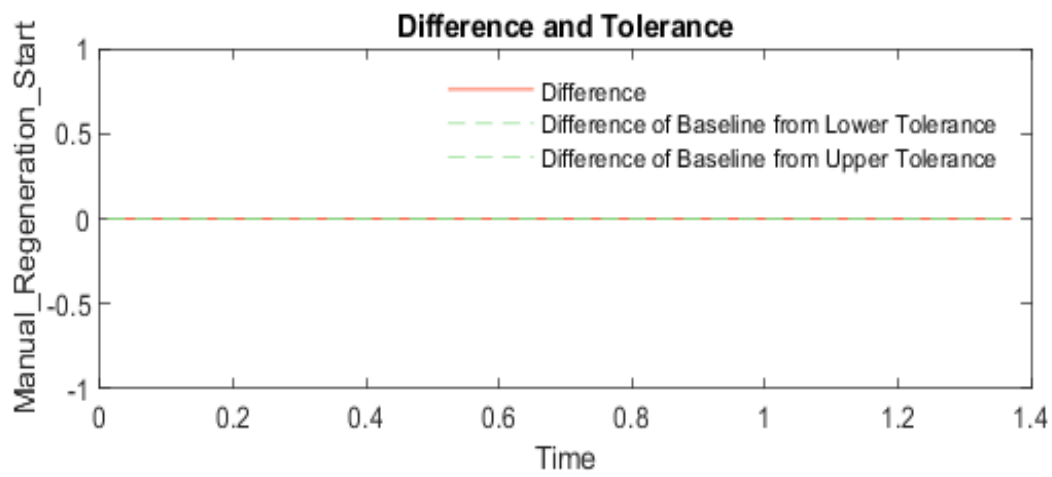
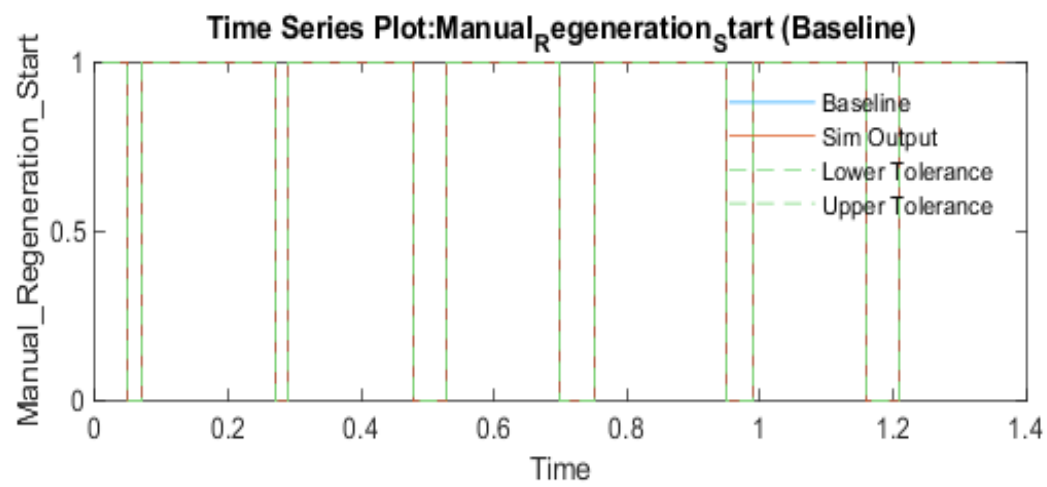
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Adblue_Injection_Time	0	0	0	0	0	double		double	0.01	zoh	union	Link
✔ Adblue_level_display	0	0	0	0	0	adblue_capacity		adblue_capacity	0.01	zoh	union	Link
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Press_Regeneration_Button	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Post_Injector2	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Post_Injector1	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Post_Injector4	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Post_Injector3	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		boolean	0.01	zoh	union	Link
✔ Adblue_Injection_Time	0	0	0	0	0	double		double	0.01	zoh	union	Link
✔ Adblue_level_display	0	0	0	0	0	adblue_capacity		adblue_capacity	0.01	zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean			boolean		0.01	zoh	union



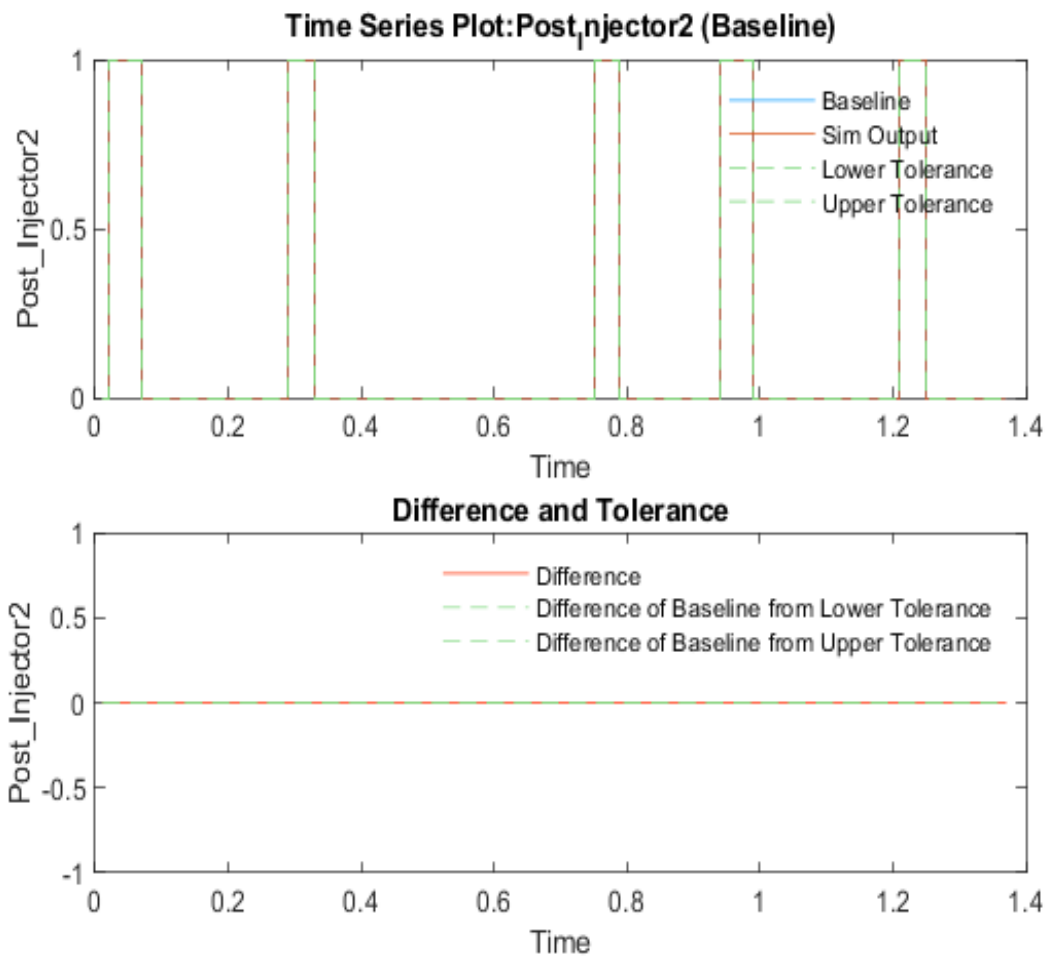
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean			boolean		0.01	zoh	union



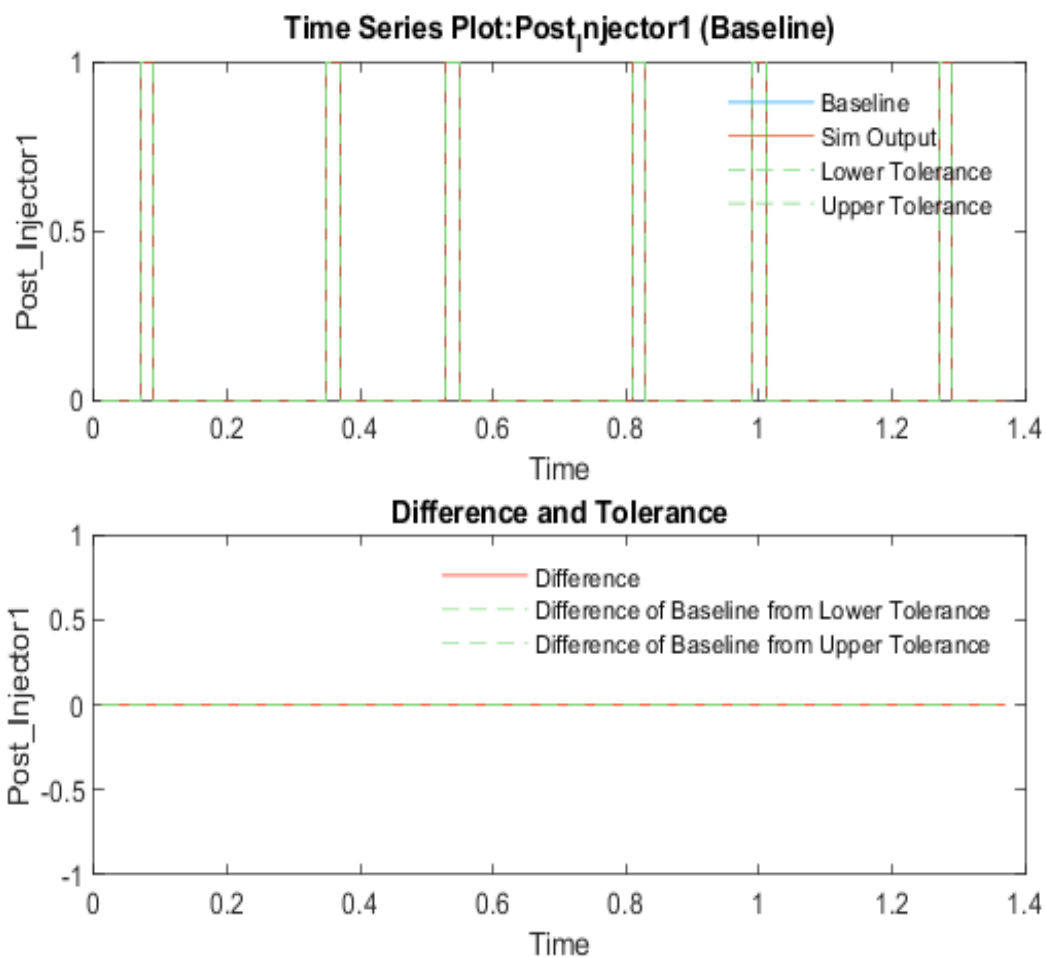
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector2	0	0	0	0	0	boolean			boolean		0.01	zoh	union



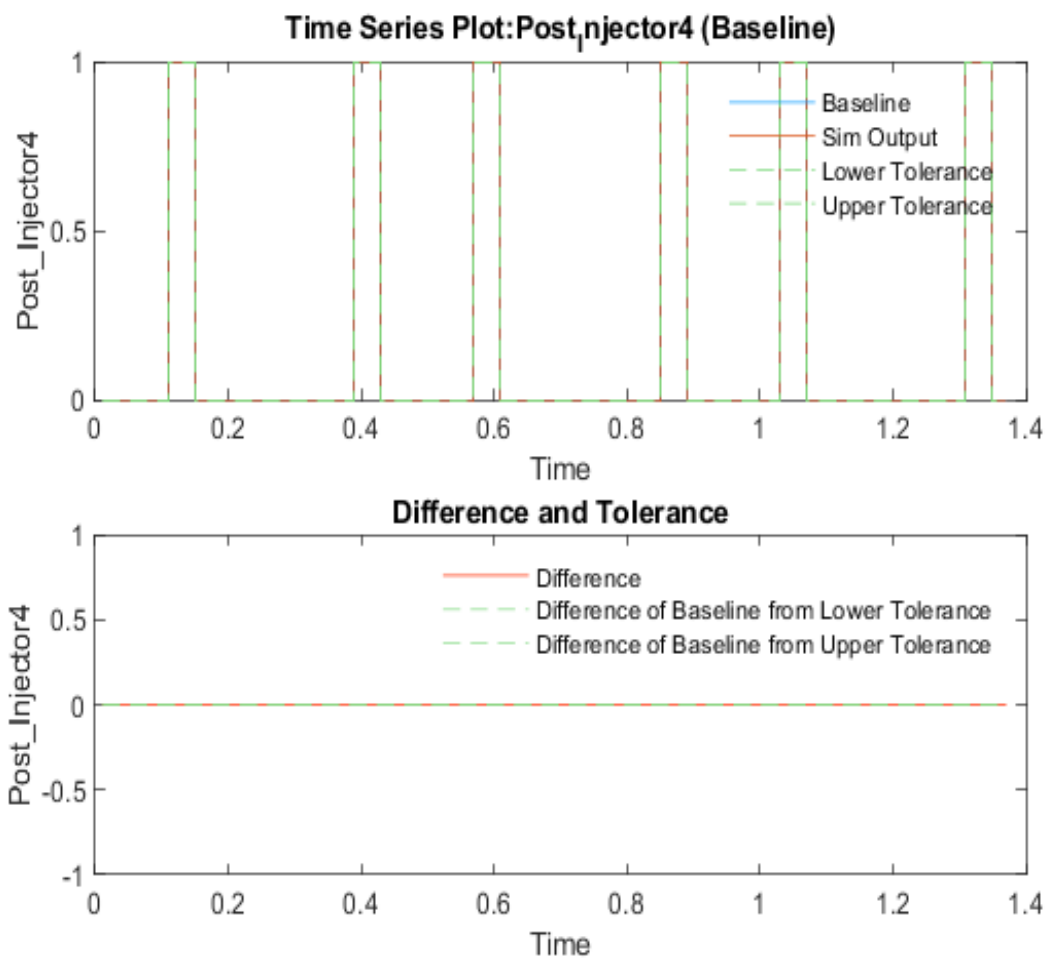
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector1	0	0	0	0	0	boolean			boolean		0.01	zoh	union



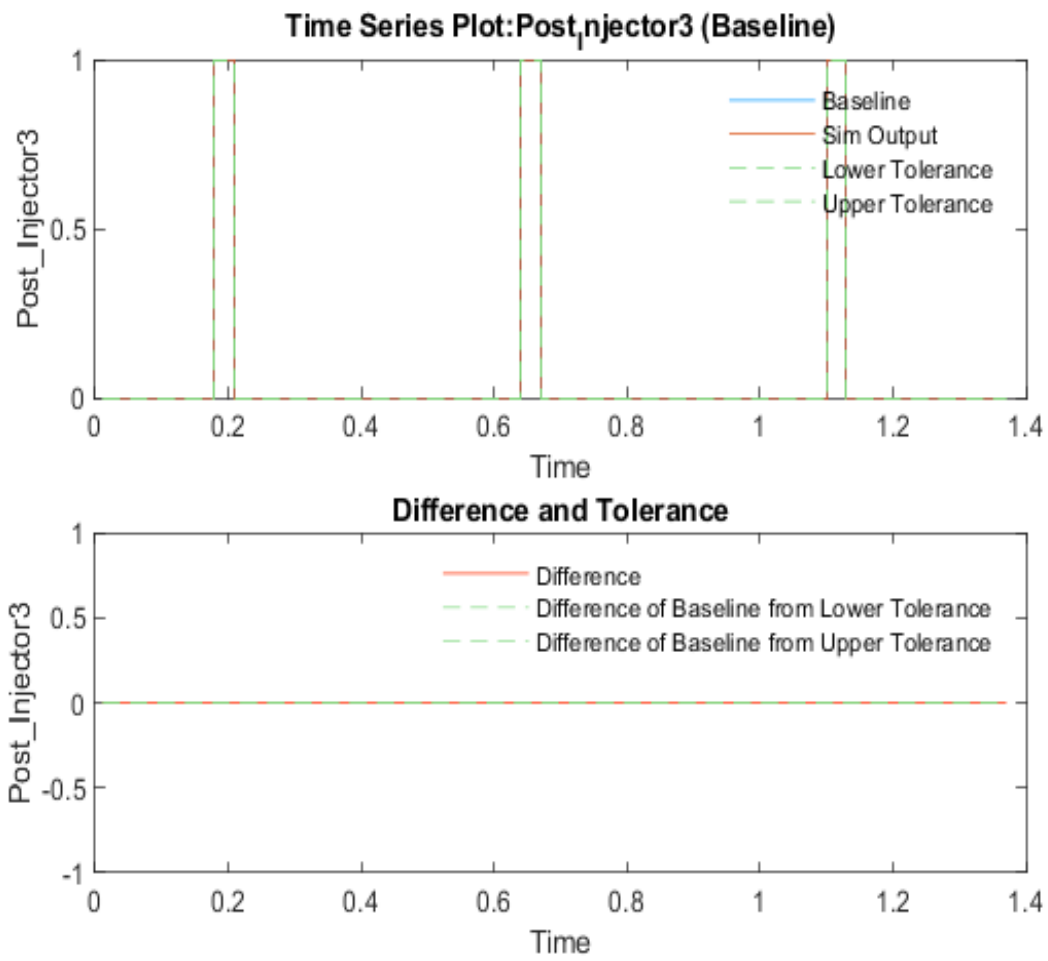
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector4	0	0	0	0	0	boolean			boolean		0.01	zoh	union



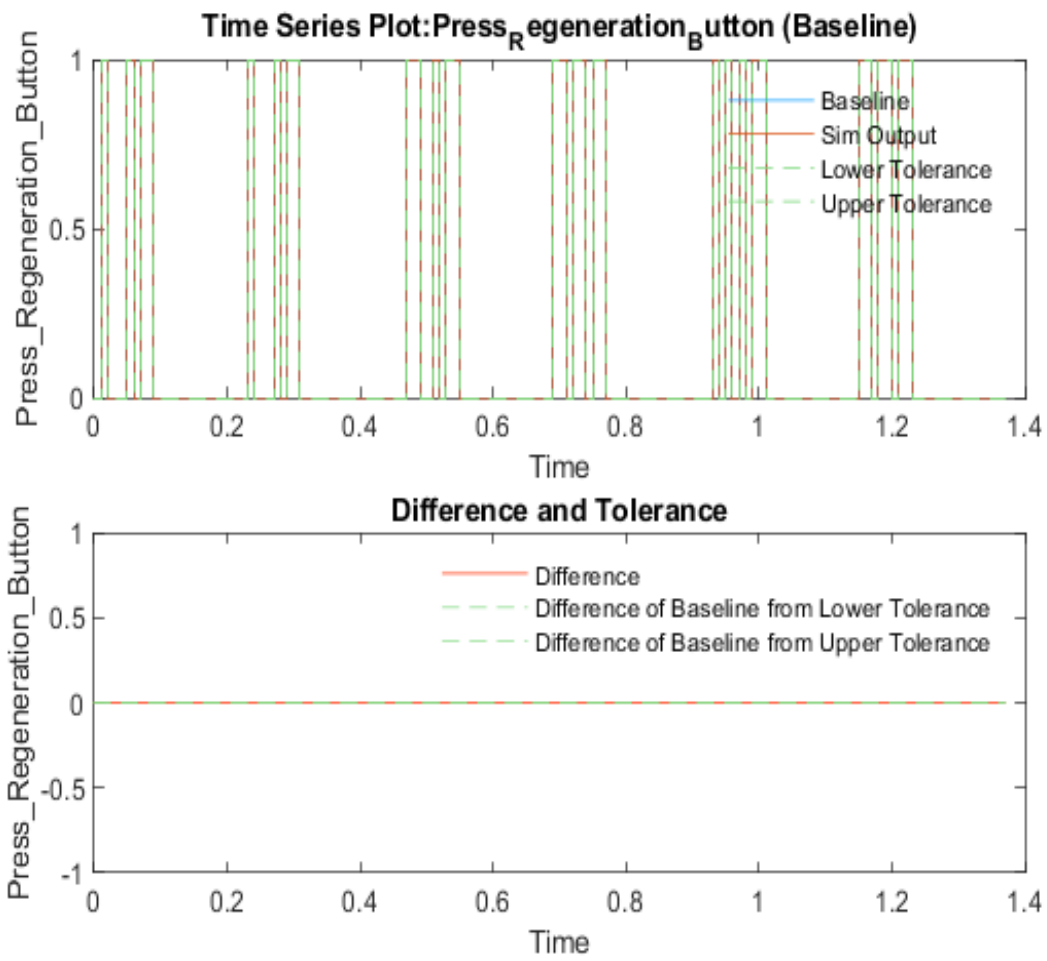
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Post_Injector3	0	0	0	0	0	boolean			boolean		0.01	zoh	union



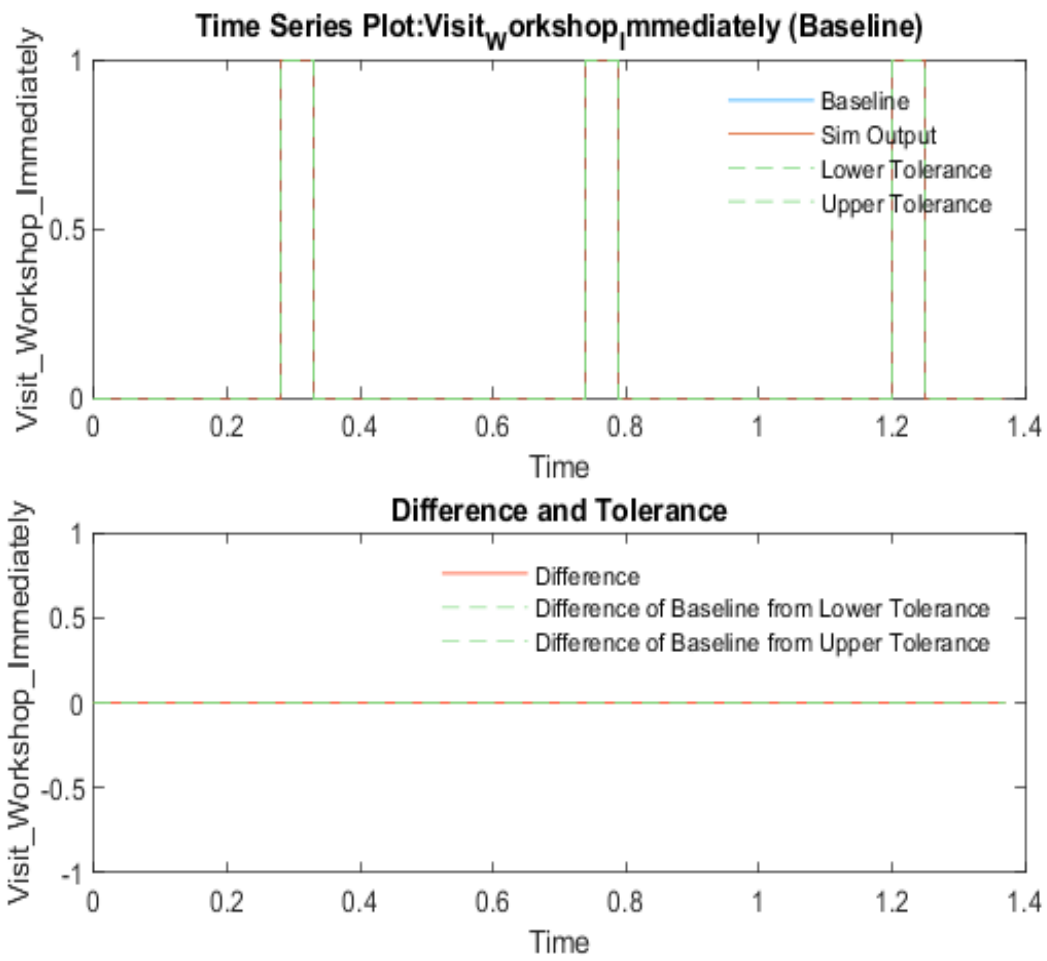
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Press_Regeneration_Button	0	0	0	0	0	boolean			boolean		0.01	zoh	union



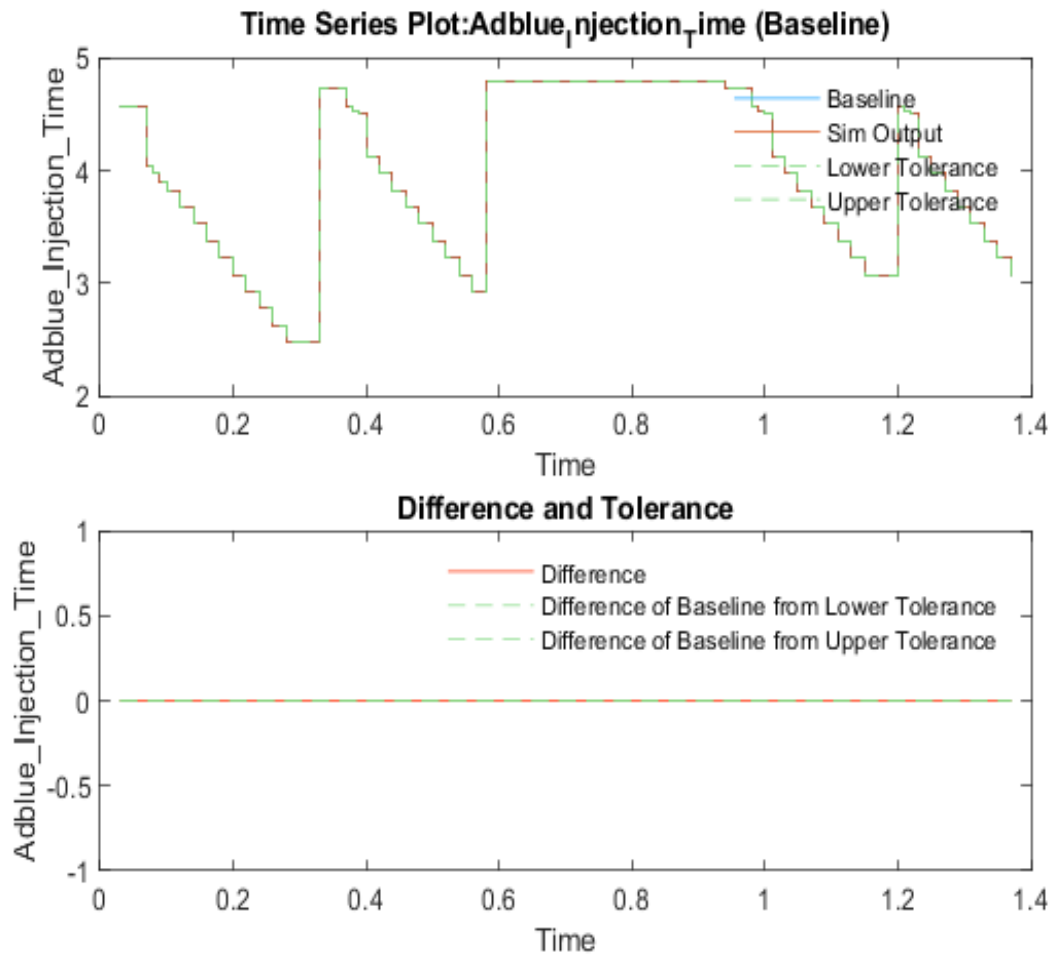
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean			boolean		0.01	zoh	union



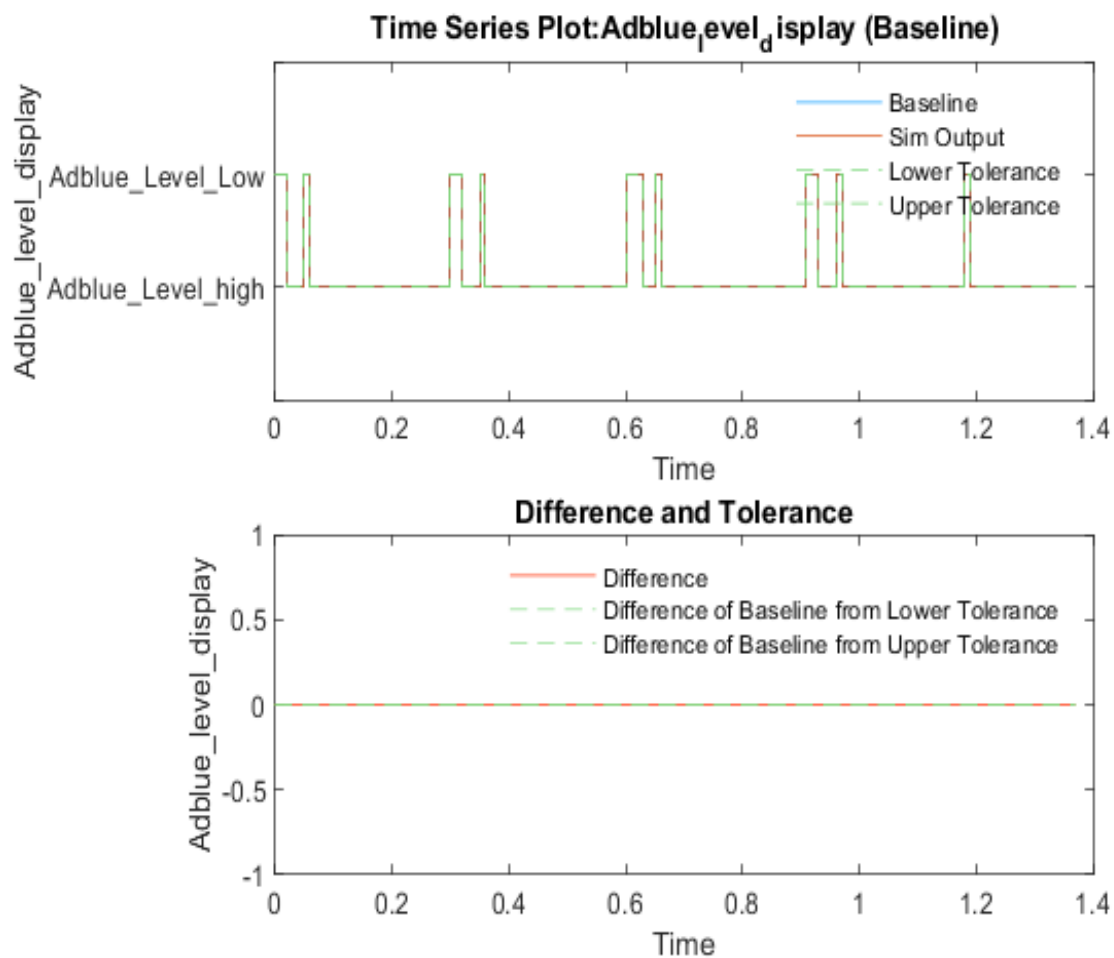
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_Injection_Time	0	0	0	0	0	double			double		0.01	zoh	union



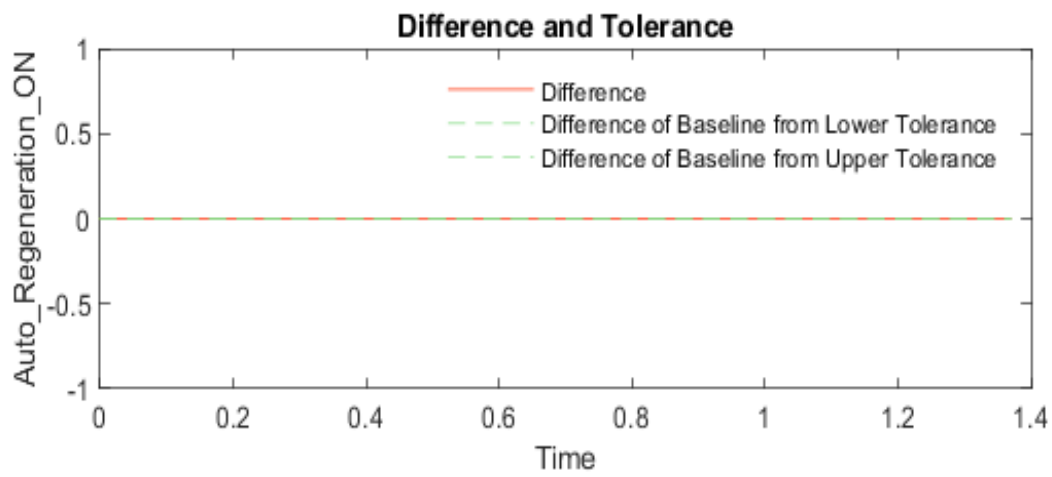
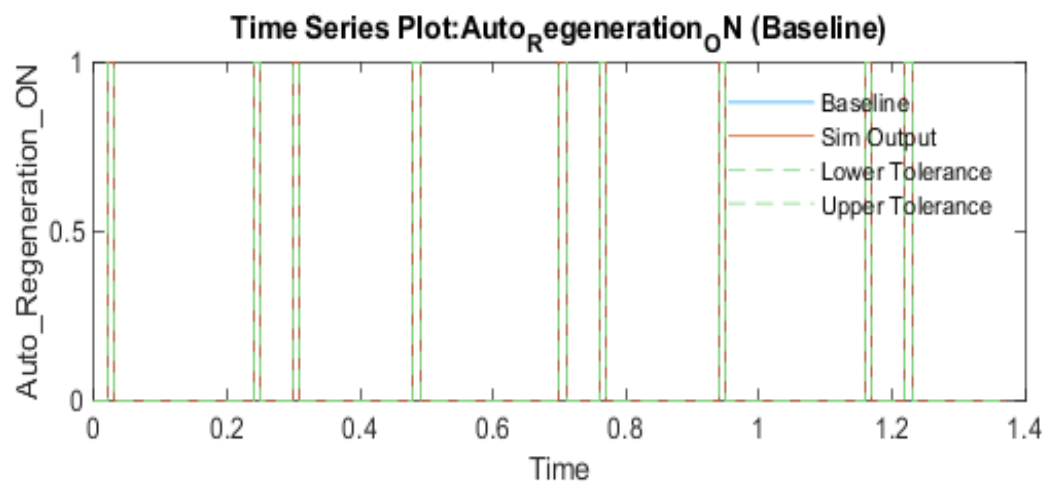
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_level_display	0	0	0	0	0	adblue_capacity			adblue_capacity		0.01	zoh	union




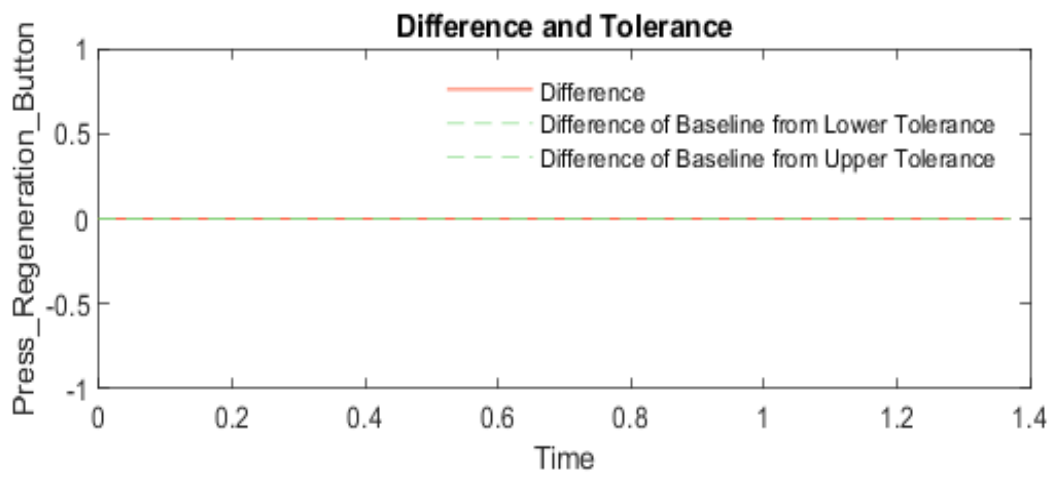
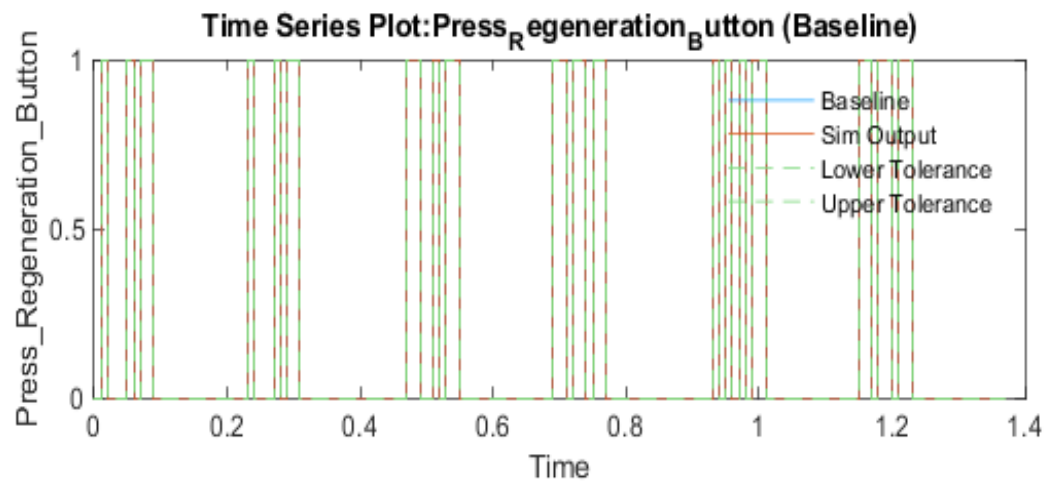
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Auto_Regeneration_ON	0	0	0	0	0	boolean			boolean		0.01	zoh	union



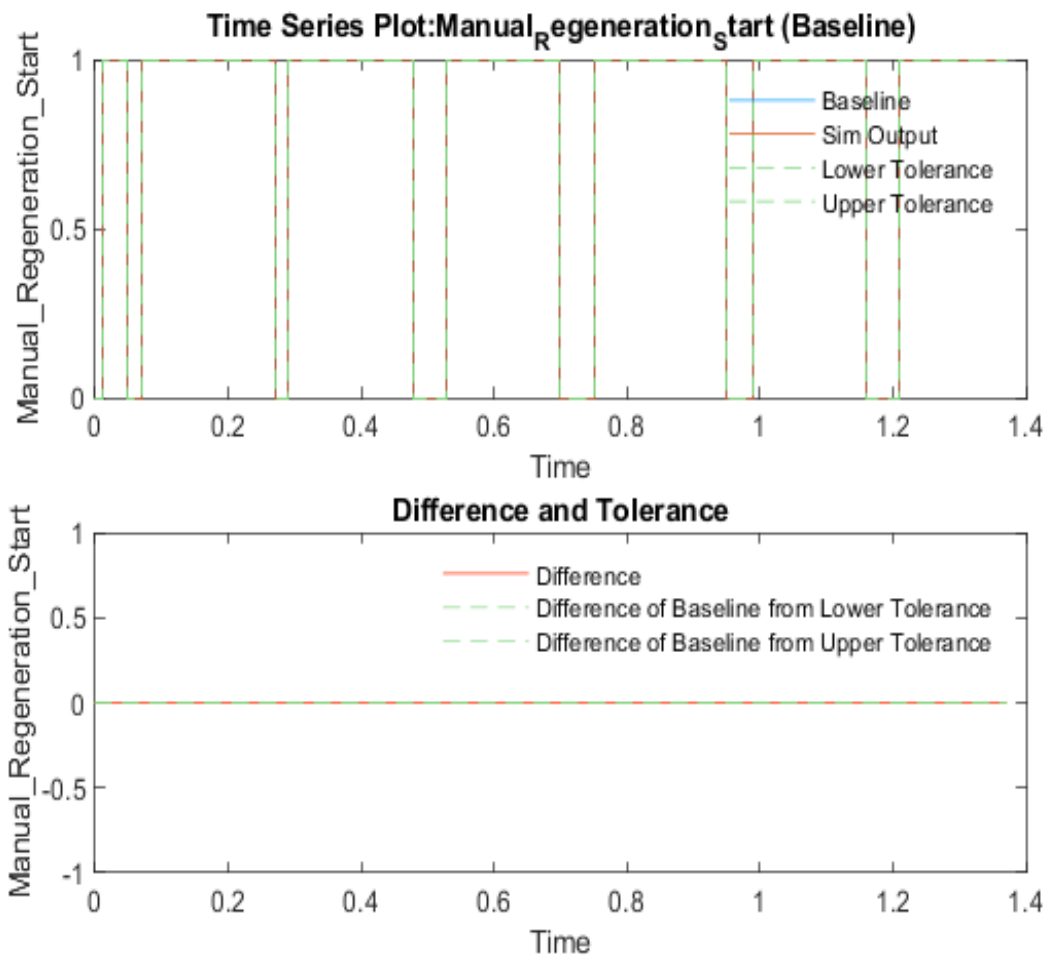
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
<div>  Press_Regeneration_Button </div>	0	0	0	0	0	boolean			boolean		0.01	zoh	union



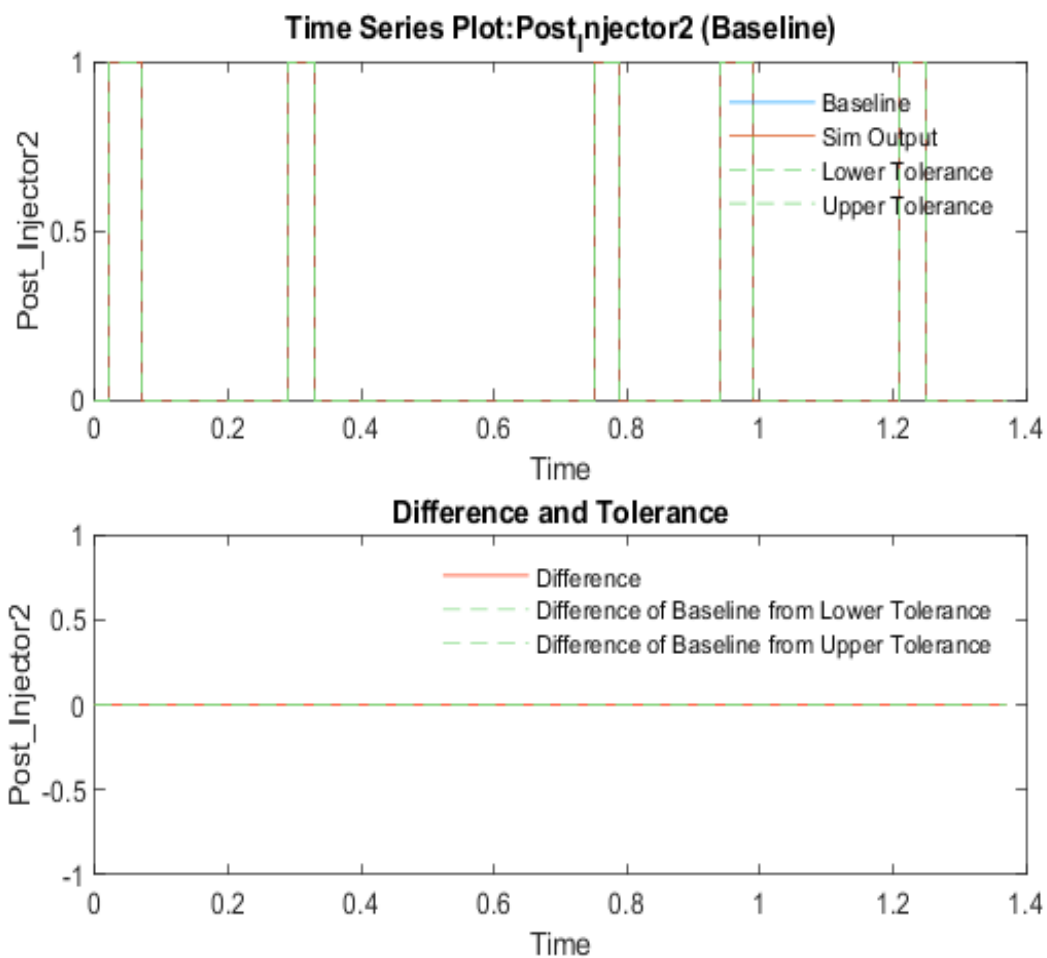
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean			boolean		0.01	zoh	union



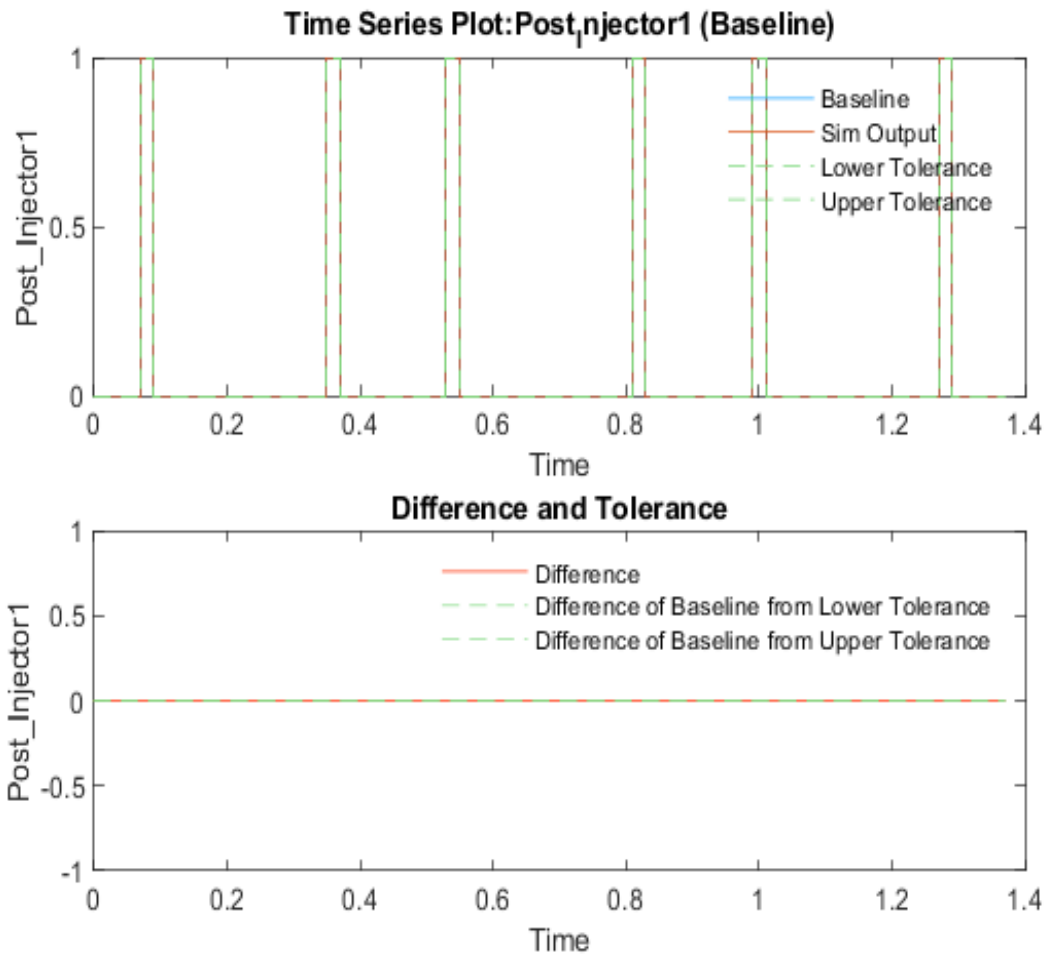
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector2	0	0	0	0	0	boolean			boolean		0.01	zoh	union



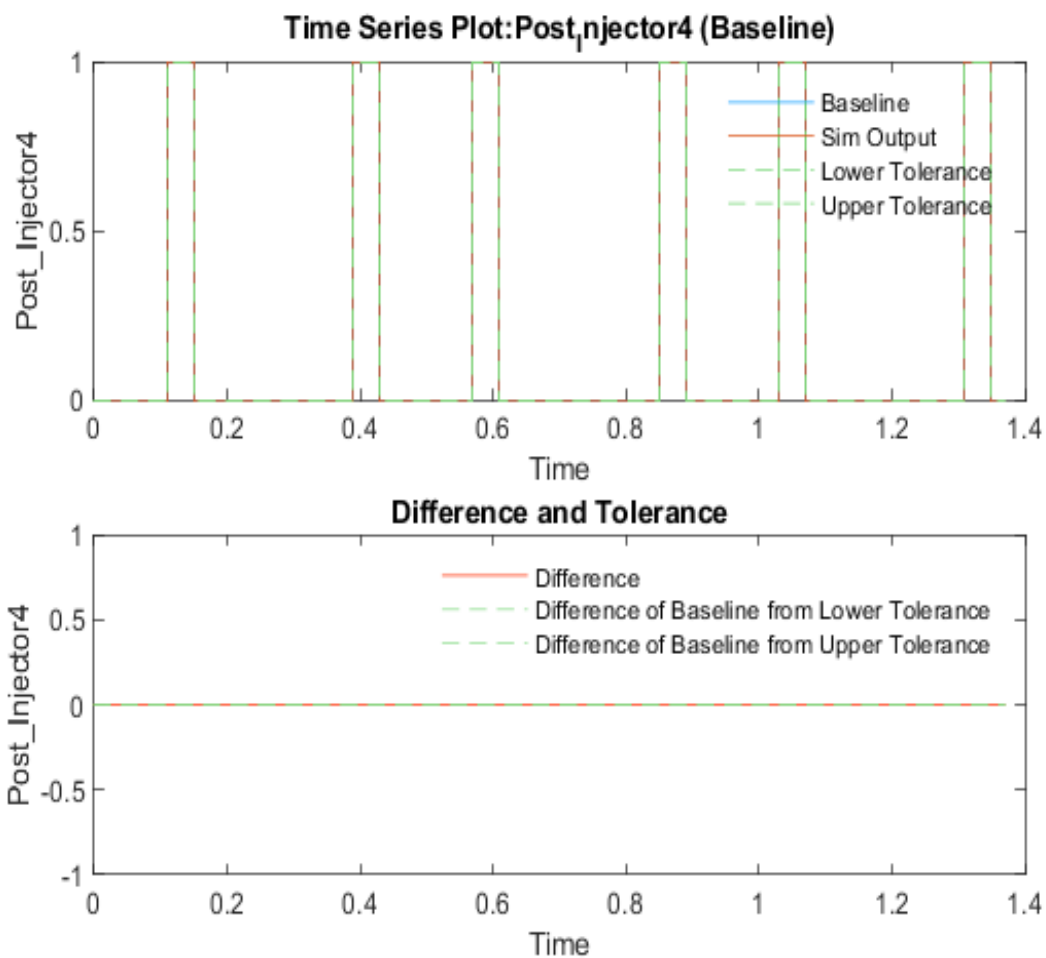
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector1	0	0	0	0	0	boolean			boolean		0.01	zoh	union



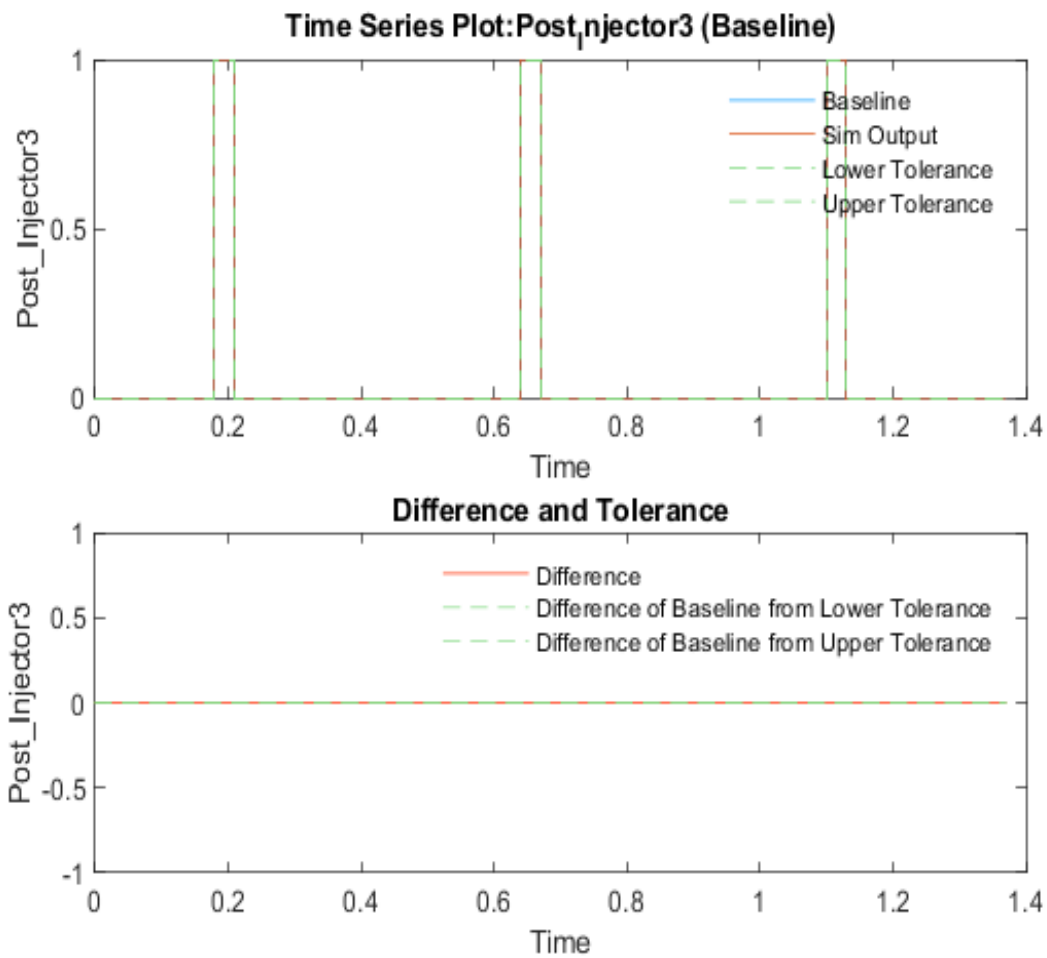
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector4	0	0	0	0	0	boolean			boolean		0.01	zoh	union



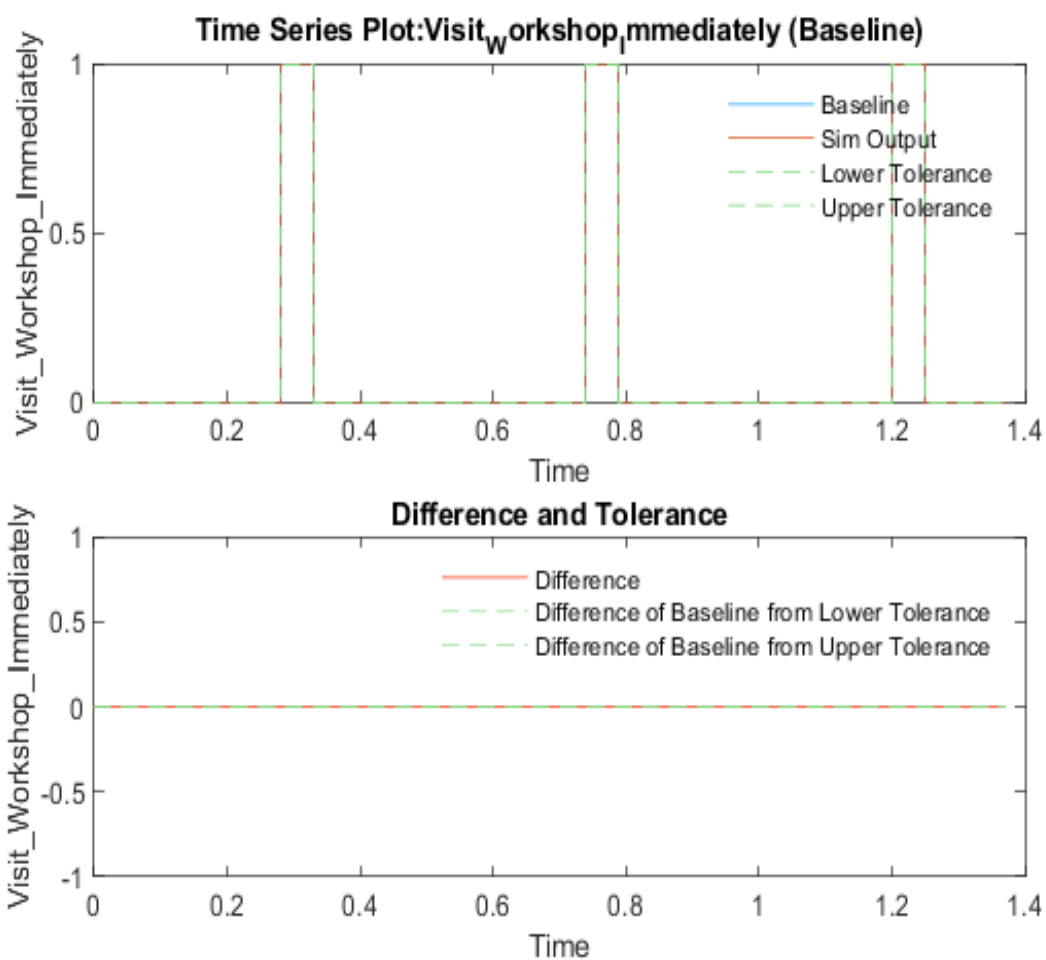
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector3	0	0	0	0	0	boolean			boolean		0.01	zoh	union



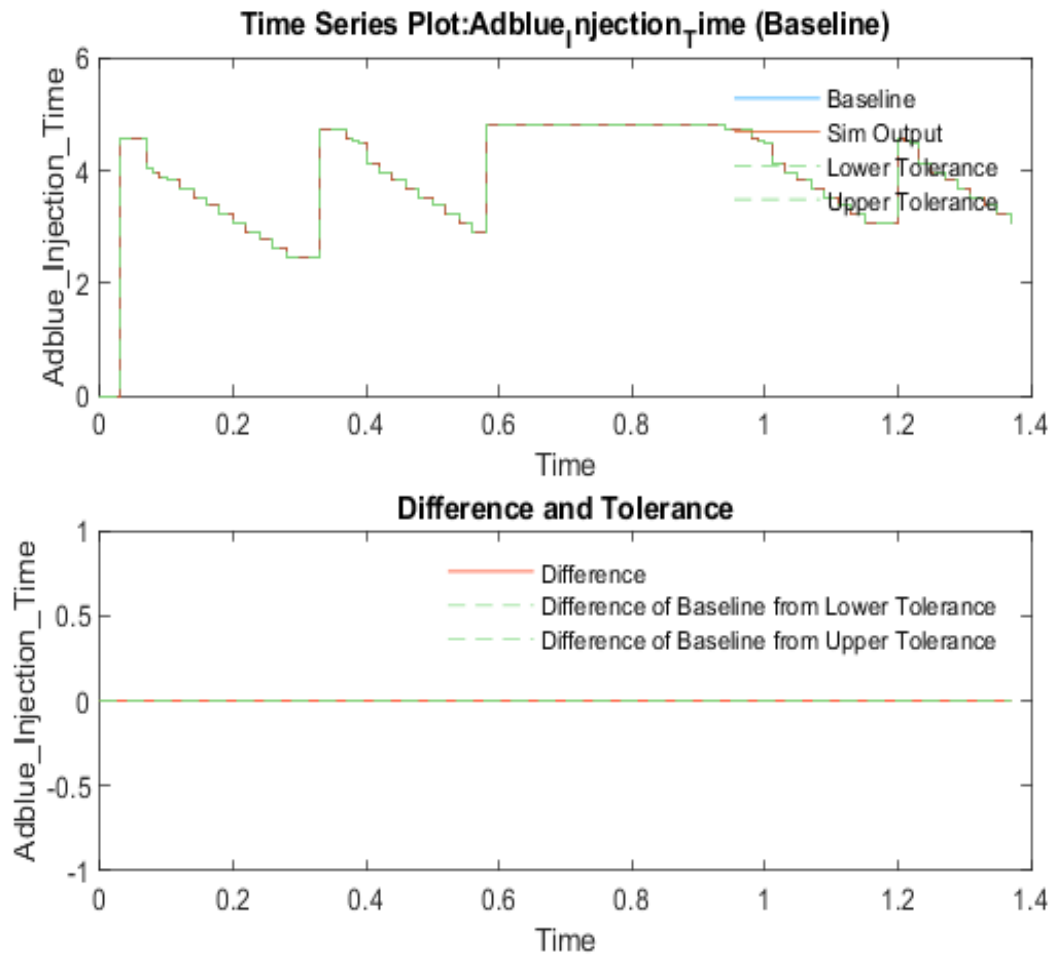
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean			boolean		0.01	zoh	union



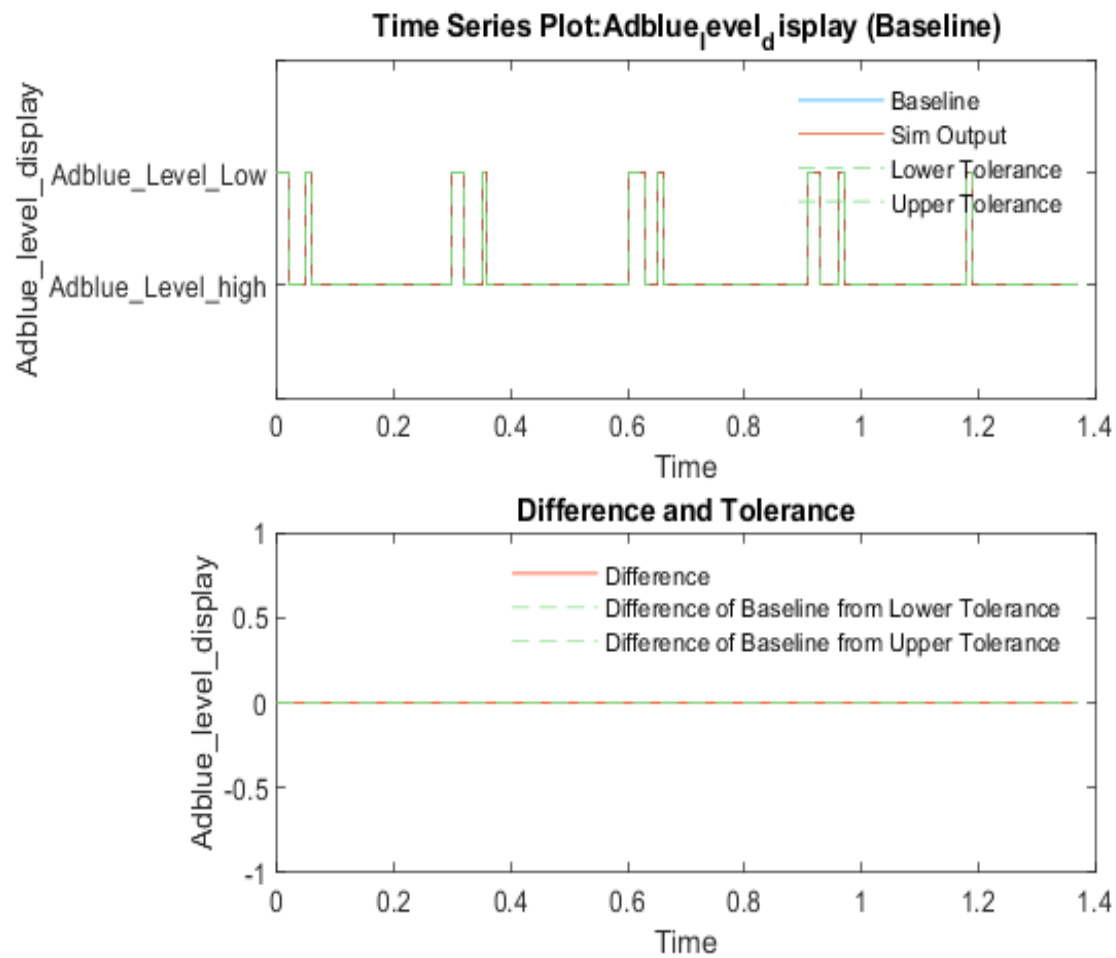
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_Injection_Time	0	0	0	0	0	double			double		0.01	zoh	union



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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_level_display	0	0	0	0	0	adblue_capacity			adblue_capacity		0.01	zoh	union



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Input Data

Input Information

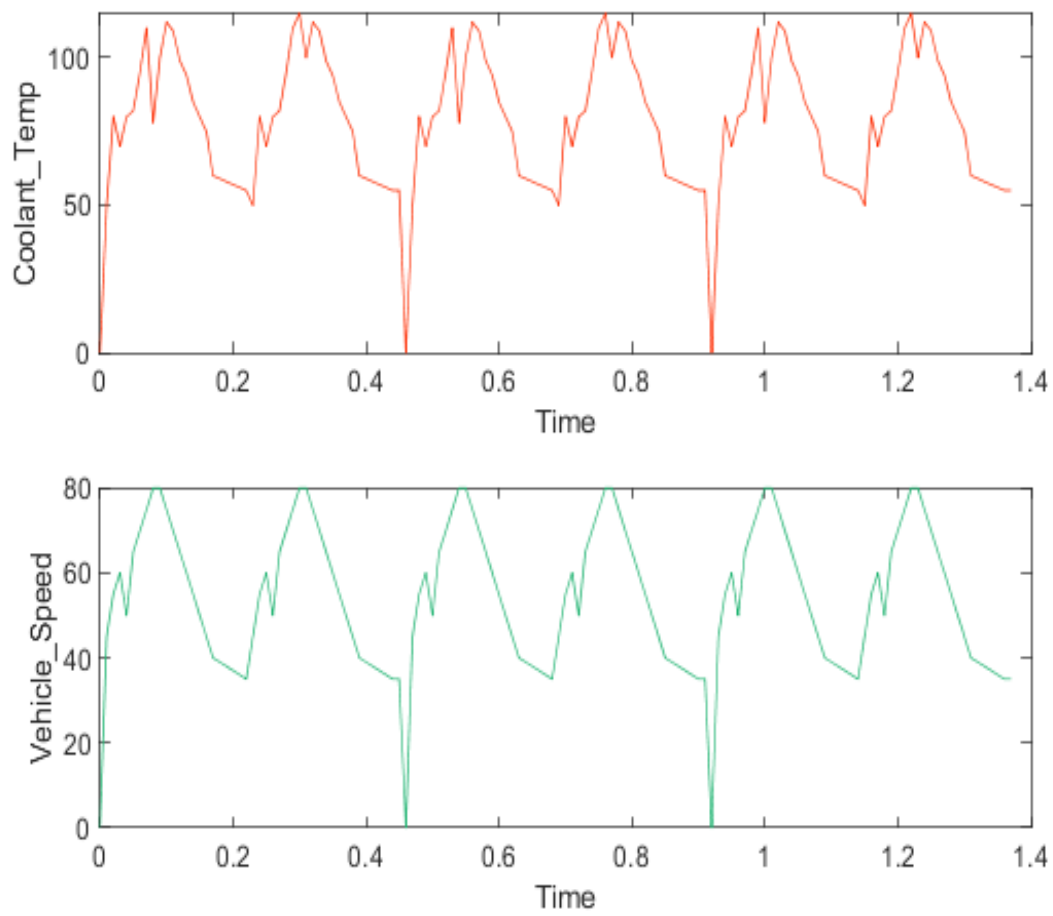
External Input Eas_Test11

Name:

External Input File: E:\Matlab\Project\Eas_24072022-20220726T17095
9Z-001\Eas_24072022\Eas_Functional_Test.xlsx

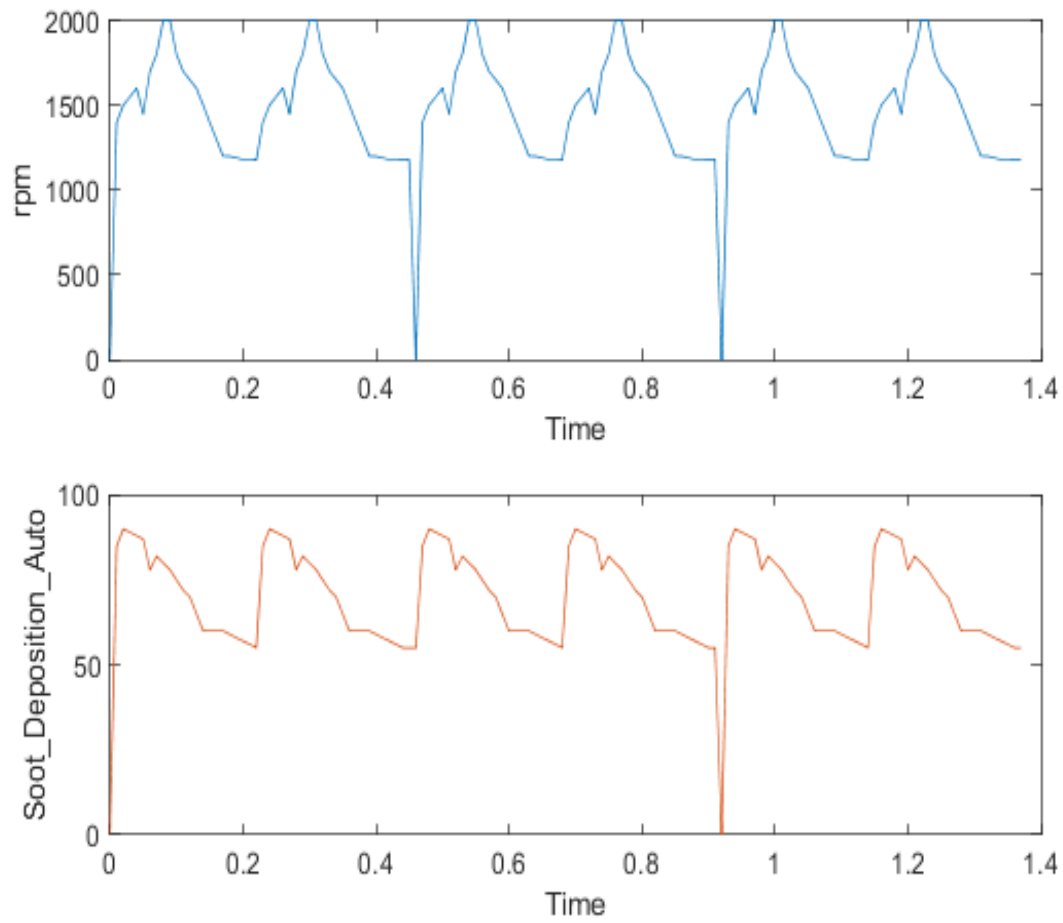
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Coolant_Temp	int16		Continuous	linear	union	Link
Vehicle_Speed	uint8		Continuous	linear	union	Link
rpm	uint16		Continuous	linear	union	Link
Soot_Deposition_Auto	uint8		Continuous	linear	union	Link
DPF_Temp_Auto	uint8		Continuous	linear	union	Link
Soot_Deposition_Manual	uint8		Continuous	linear	union	Link
DPF_Temp_Manual	int16		Continuous	linear	union	Link
Break_Pedal	boolean			zoh	union	Link
Accelerator_Pedal	boolean			zoh	union	Link
Clutch_Pedal	boolean			zoh	union	Link
Crank_Angle	uint16		Continuous	linear	union	Link
Soot_Deposition_Service	uint8		Continuous	linear	union	Link
Nox_Sensor	uint16		Continuous	linear	union	Link
Scr_Temp_Sensor	uint16		Continuous	linear	union	Link
Adblue_Level	uint8		Continuous	linear	union	Link
Adblue_Quality	double		Continuous	linear	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Coolant_Temp	int16		Continuous	linear	union
Vehicle_Speed	uint8		Continuous	linear	union



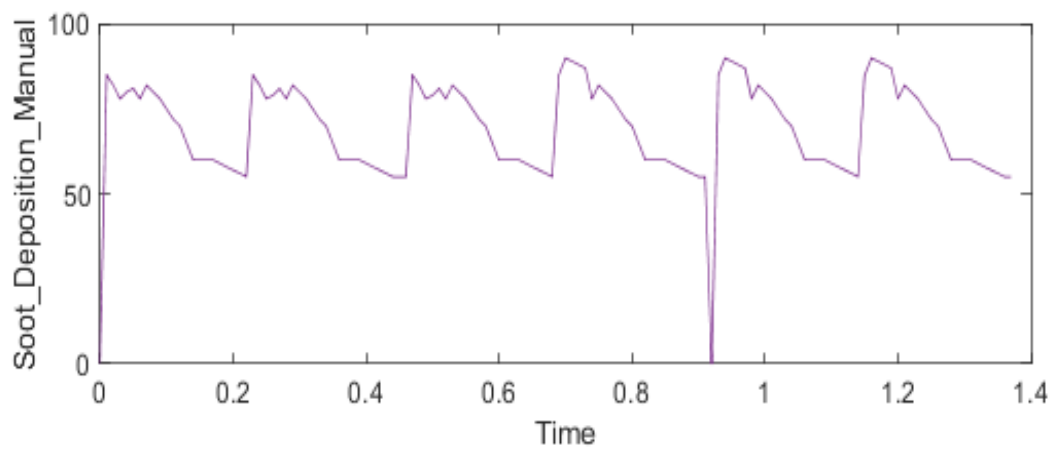
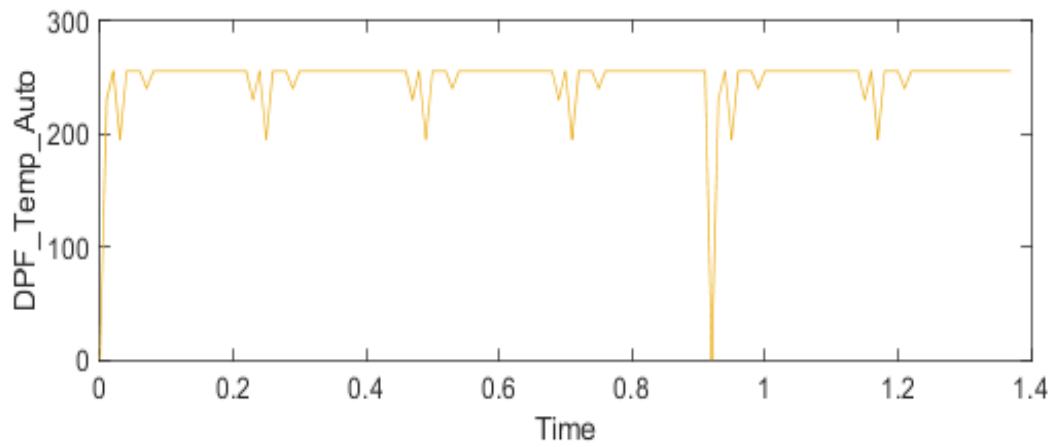
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Name	Data Type	Units	Sample Time	Interp	Sync
rpm	uint16		Continuous	linear	union
Soot_Deposition_Auto	uint8		Continuous	linear	union



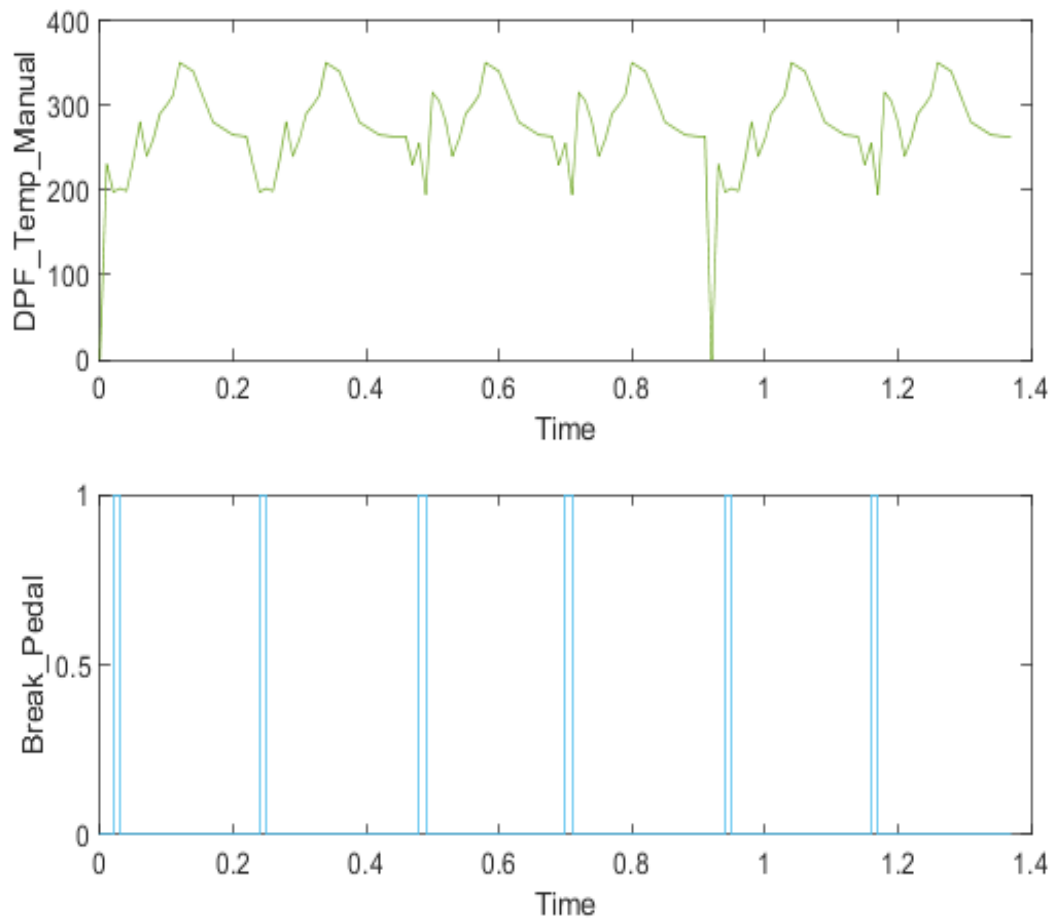
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Auto	uint8		Continuous	linear	union
Soot_Deposition_Manual	uint8		Continuous	linear	union



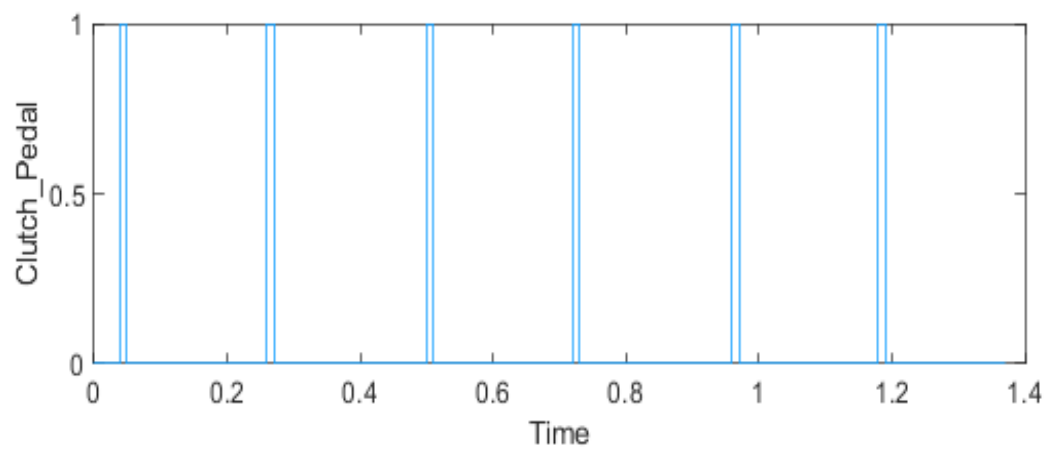
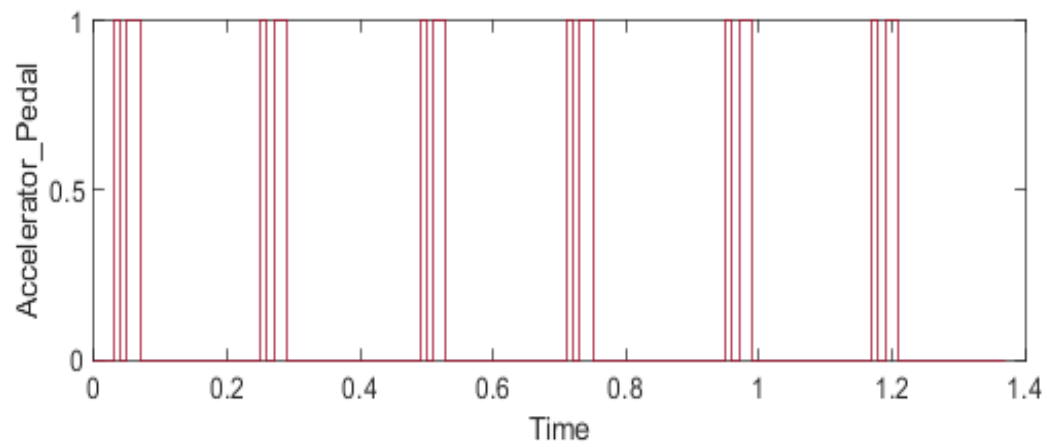
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Manual	int16		Continuous	linear	union
Break_Pedal	boolean			zoh	union



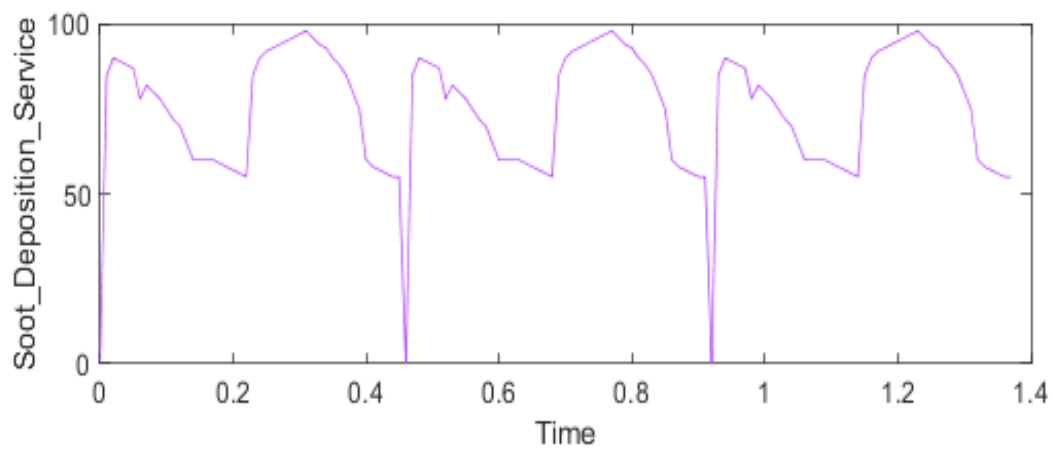
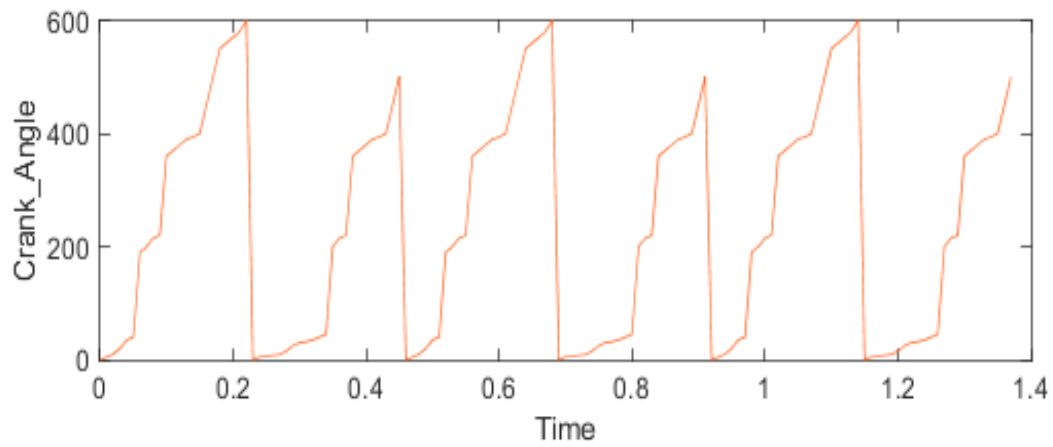
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Name	Data Type	Units	Sample Time	Interp	Sync
Accelerator_Pedal	boolean			zoh	union
Clutch_Pedal	boolean			zoh	union



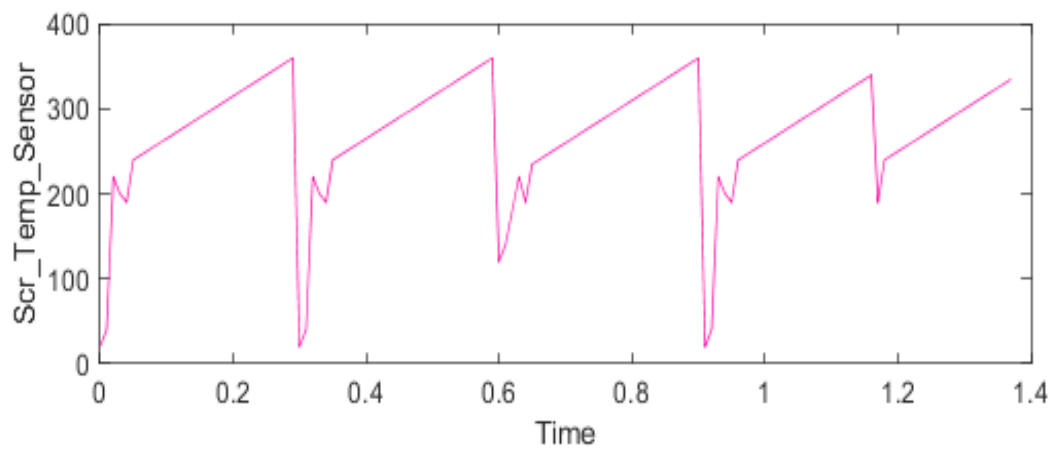
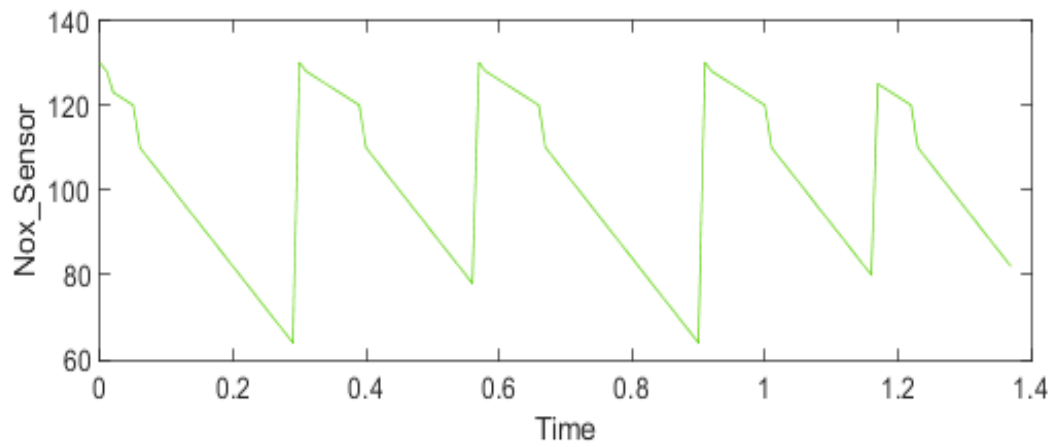
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Name	Data Type	Units	Sample Time	Interp	Sync
Crank_Angle	uint16		Continuous	linear	union
Soot_Deposition_Service	uint8		Continuous	linear	union



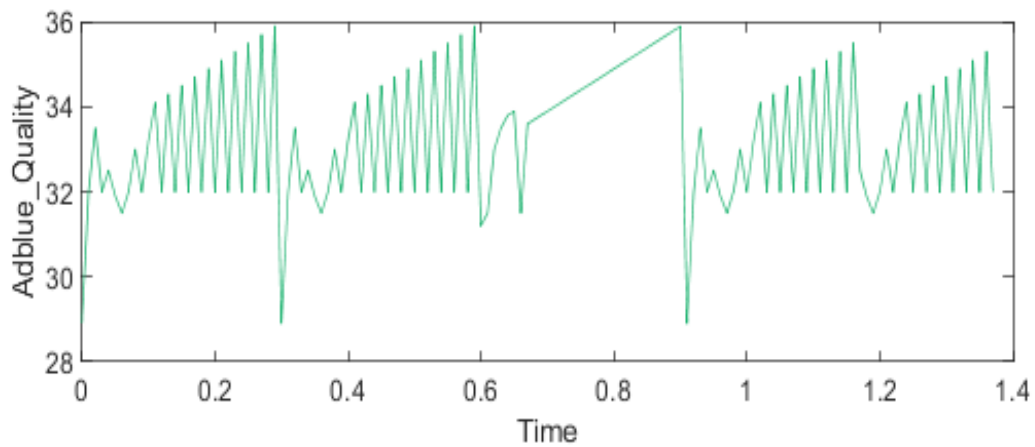
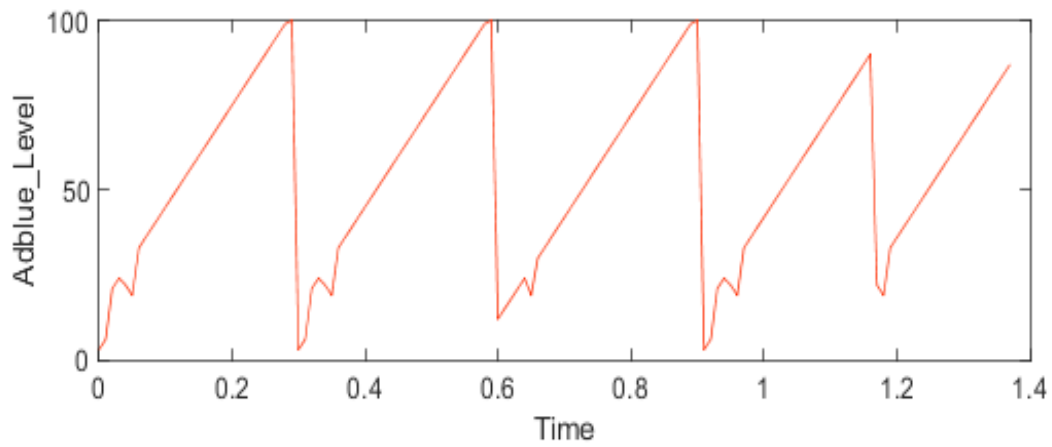
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Name	Data Type	Units	Sample Time	Interp	Sync
Nox_Sensor	uint16		Continuous	linear	union
Scr_Temp_Sensor	uint16		Continuous	linear	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Level	uint8		Continuous	linear	union
Adblue_Quality	double		Continuous	linear	union



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Simulation

System Under Test Information

Model:	Eas_Integrated
Harness:	Eas_Integrated_Harness
Harness Owner:	Eas_Integrated
Release:	Current
Simulation Mode:	normal

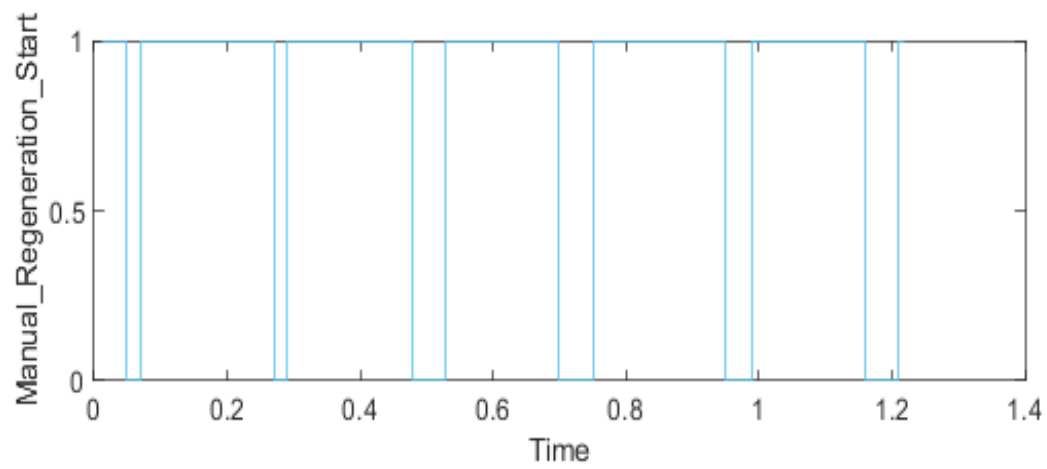
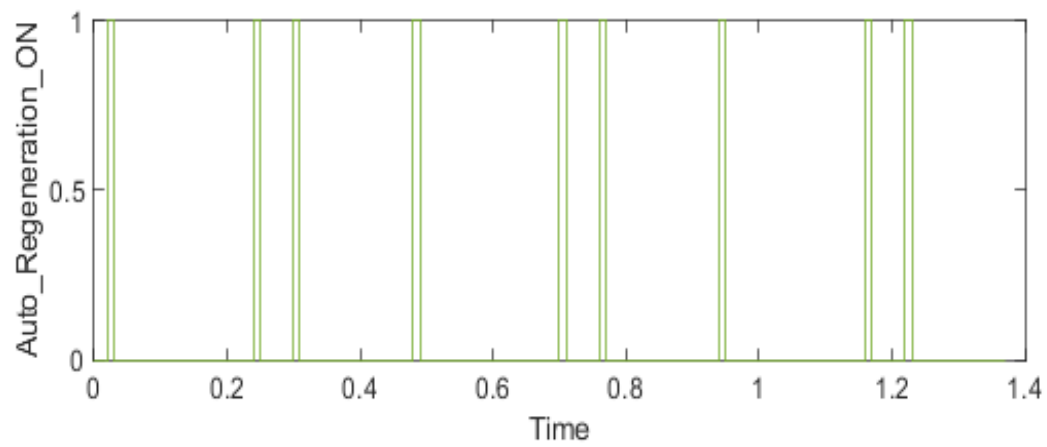
Override SIL or PIL 0
 Mode:
 Configuration Set: Configuration1
 External Input Name: Eas_Test11
 External Input File: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Functional_Test.xlsx
 Start Time: 0
 Stop Time: 1.3700000000000001
 Checksum: 918296074 10159789 653853210 1775591569
 Simulink Version: 10.3
 Model Version: 1.1
 Model Author: SOMNATH
 Date: Thu Aug 04 14:26:32 2022
 User ID: SOMNATH
 Model Path: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Integrated_Harness.slx
 Machine Name: DESKTOP-10VJ470
 Solver Name: FixedStepDiscrete
 Solver Type: Fixed-Step
 Fixed Step Size: 0.01
 Simulation Start Time: 2022-08-04 14:51:07
 Simulation Stop Time: 2022-08-04 14:51:08
 Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Press_Regeneration_Button	boolean		0.01	zoh	union	Link

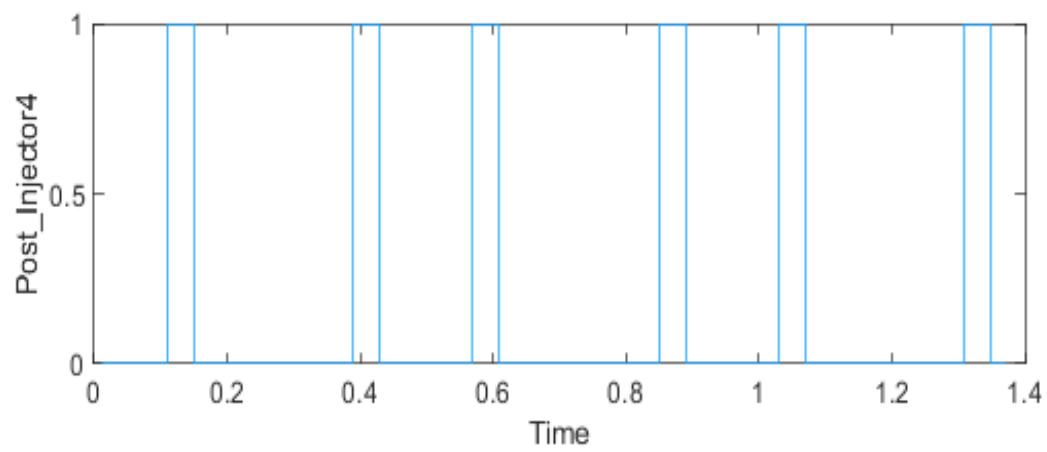
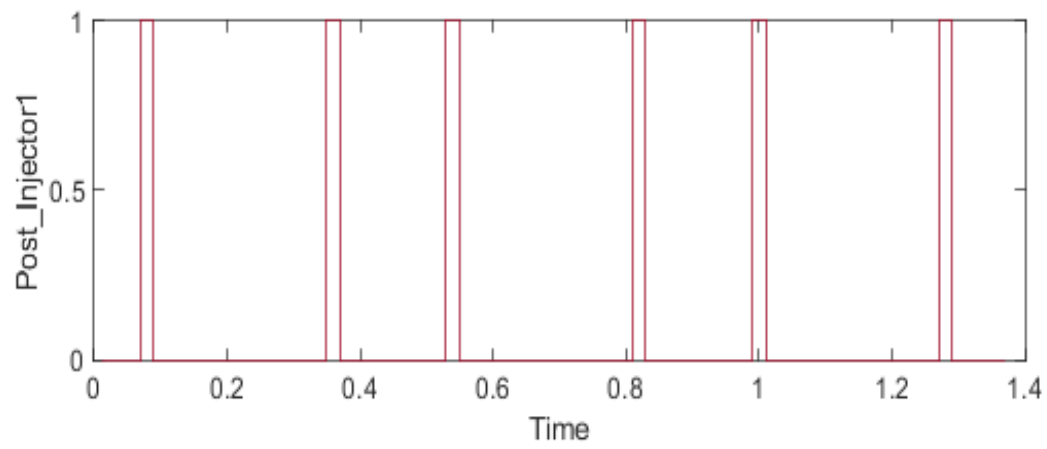
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link
Press_Regeneration_Button	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Manual_Regeneration_Start	boolean		0.01	zoh	union



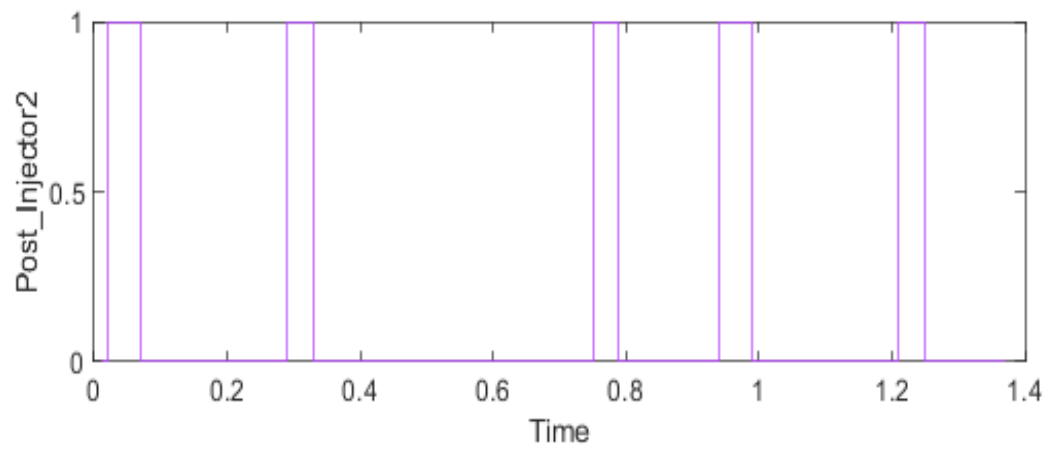
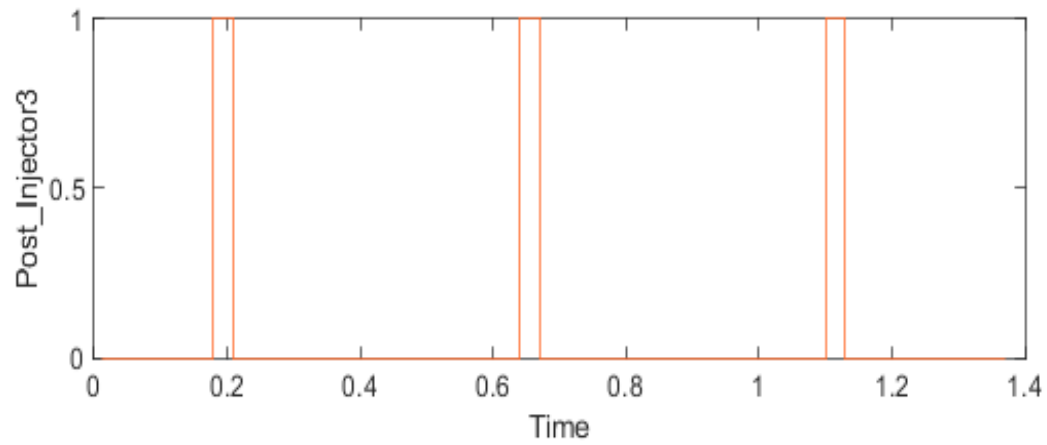
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



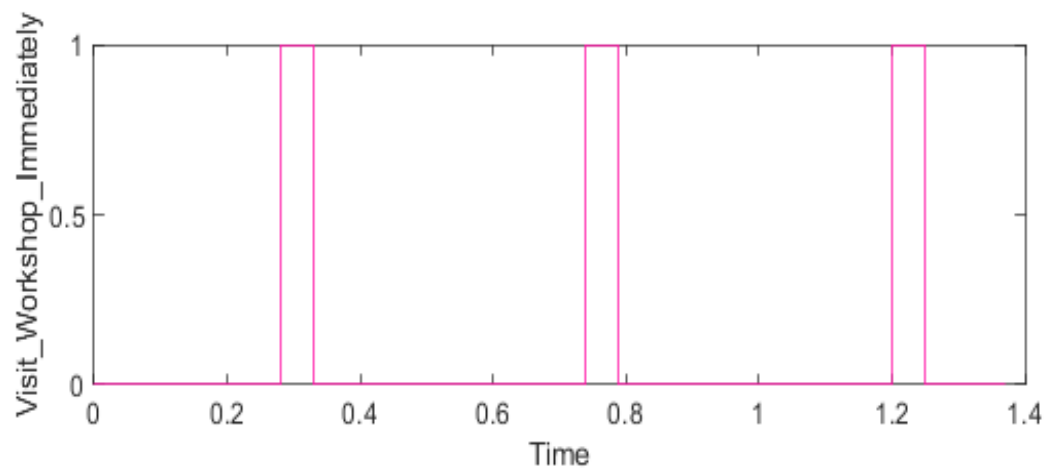
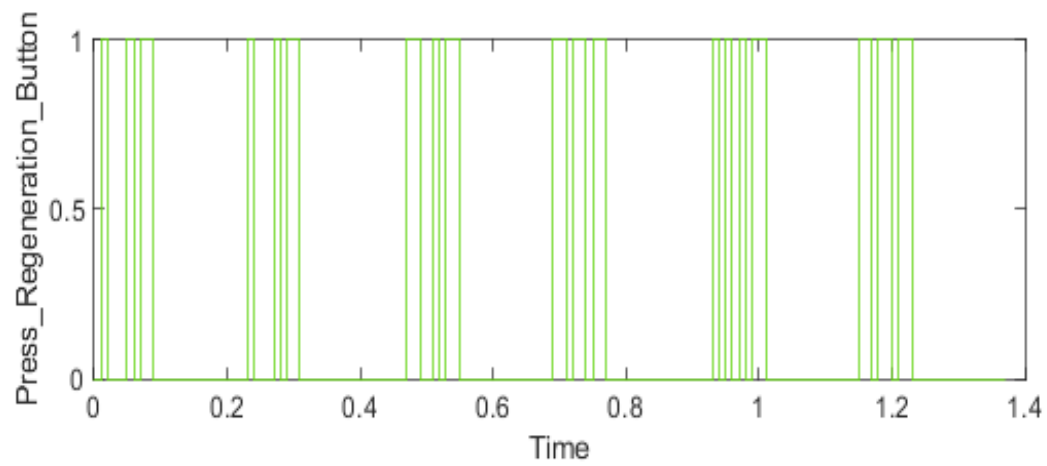
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



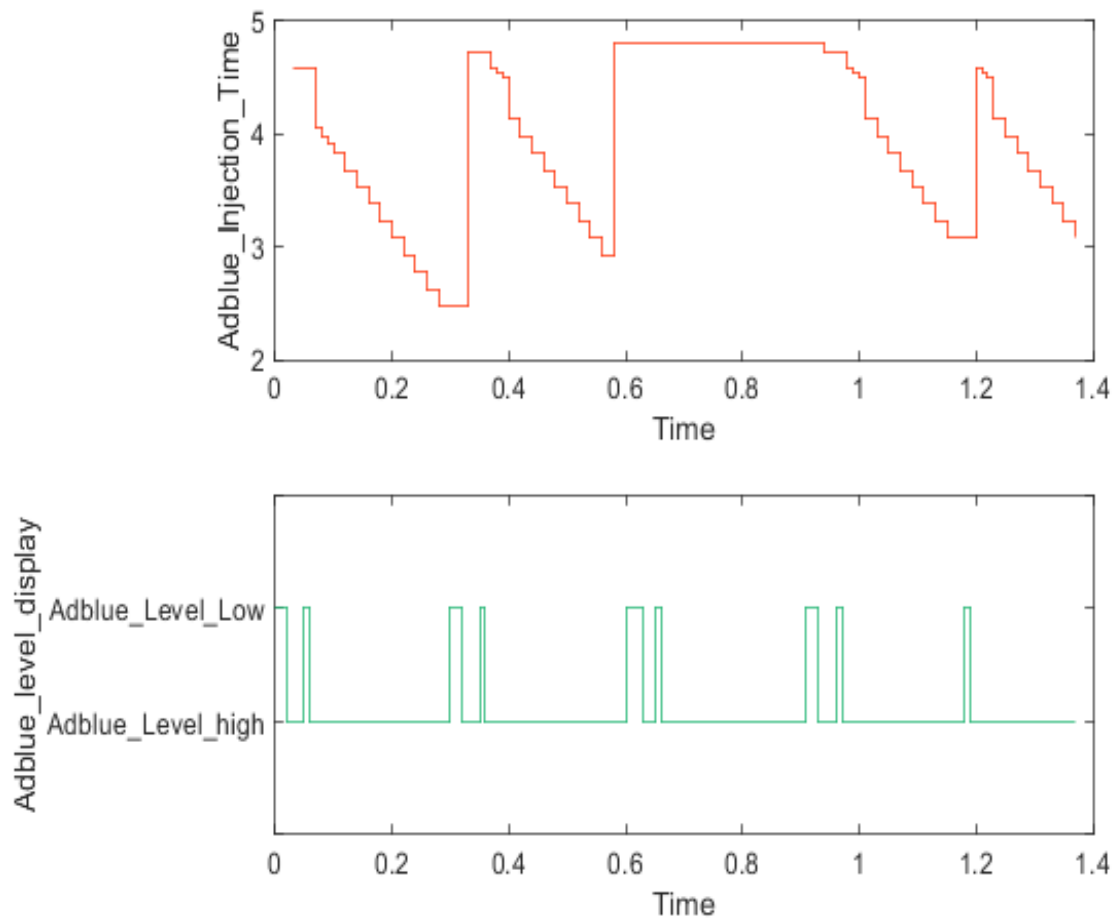
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Name	Data Type	Units	Sample Time	Interp	Sync
Press_Regeneration_Button	boolean		0.01	zoh	union
Visit_Workshop_Immediately	boolean		0.01	zoh	union



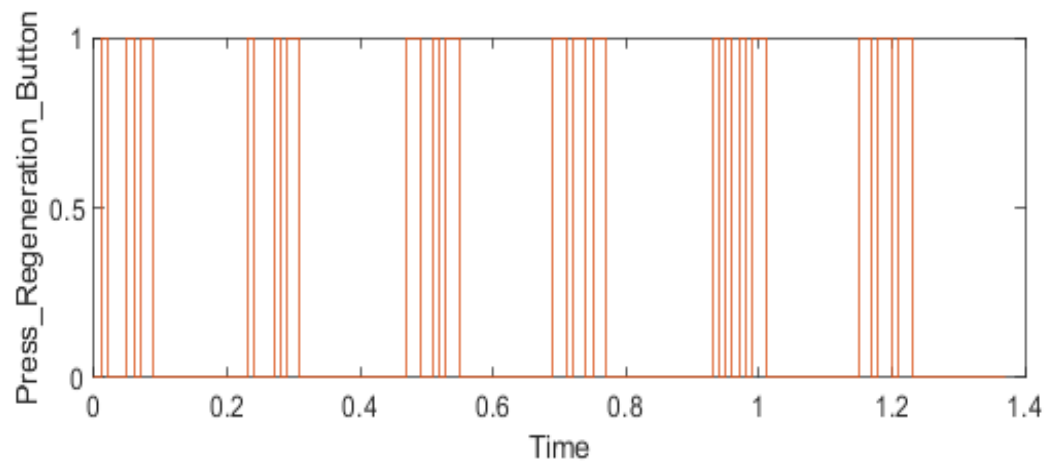
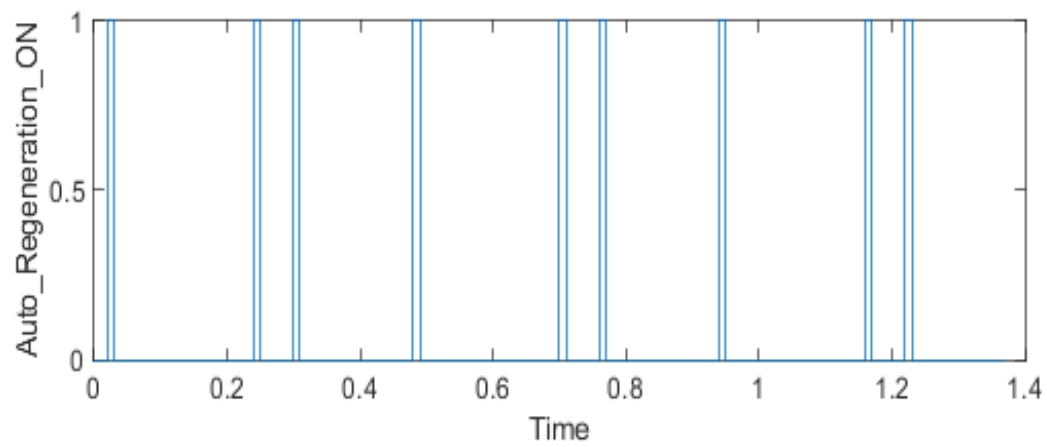
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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_display	adblue_capacity		0.01	zoh	union



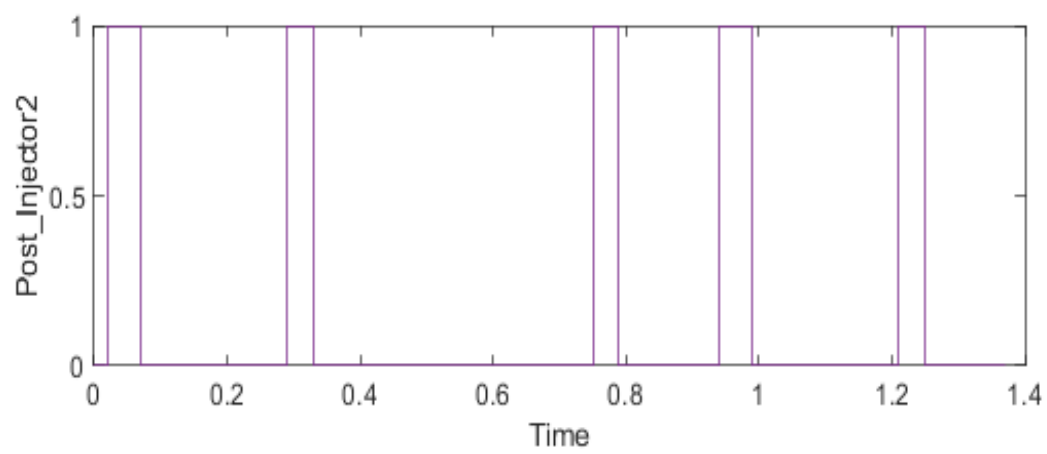
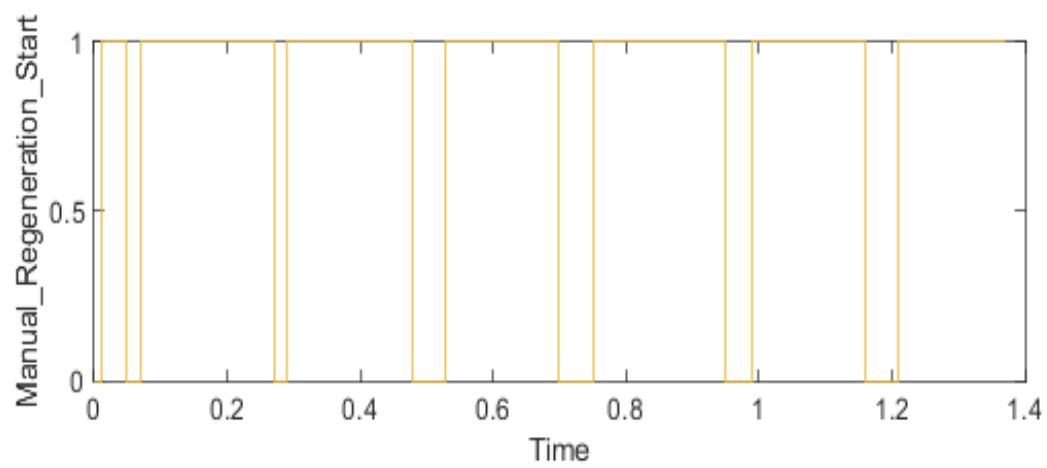
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Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Press_Regeneration_Button	boolean		0.01	zoh	union



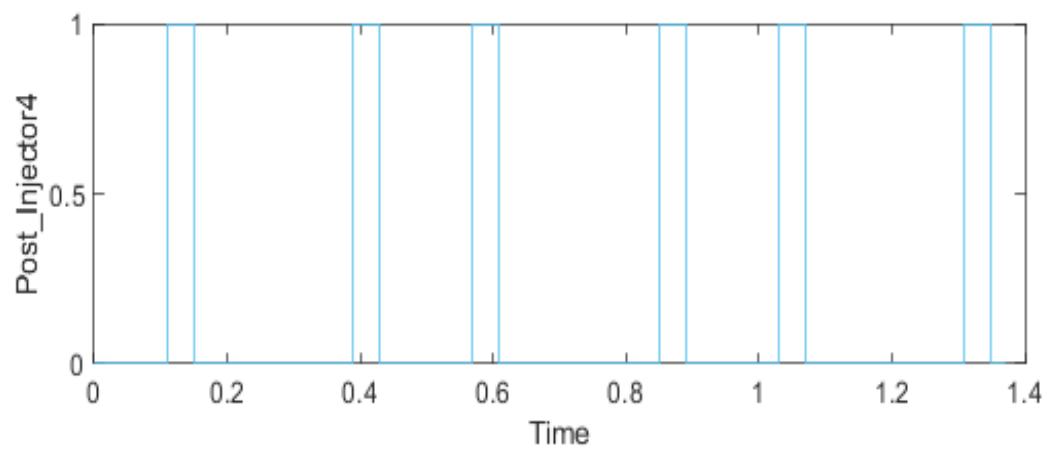
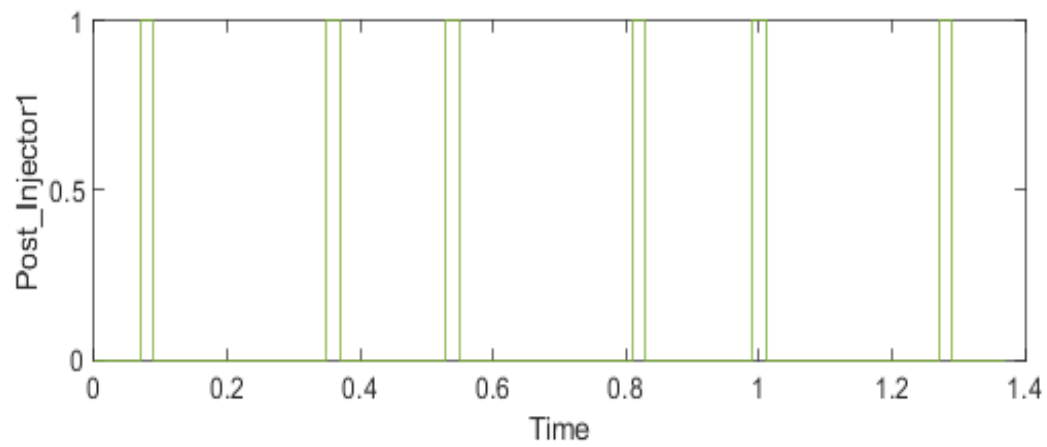
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Name	Data Type	Units	Sample Time	Interp	Sync
Manual_Regeneration_Start	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



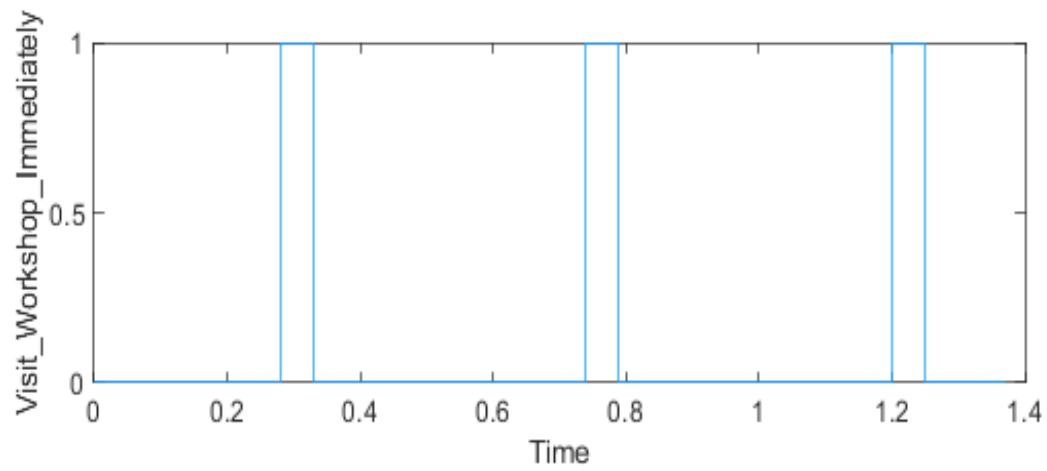
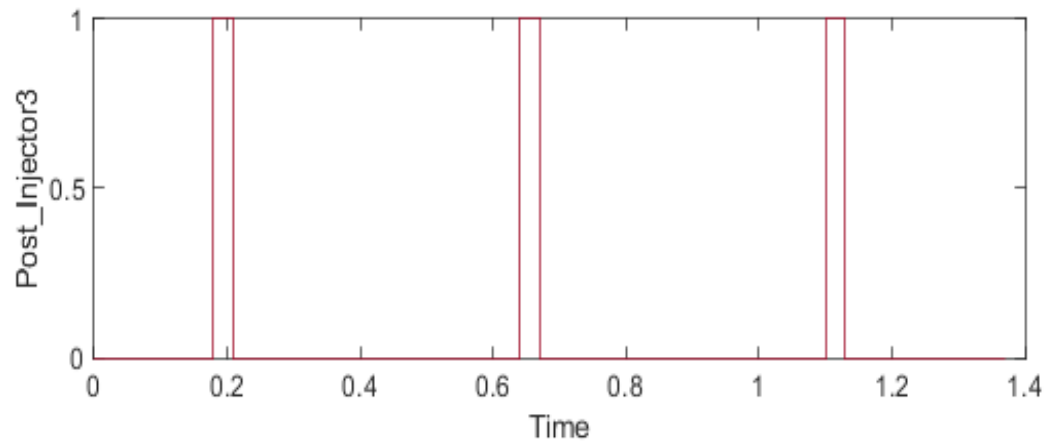
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



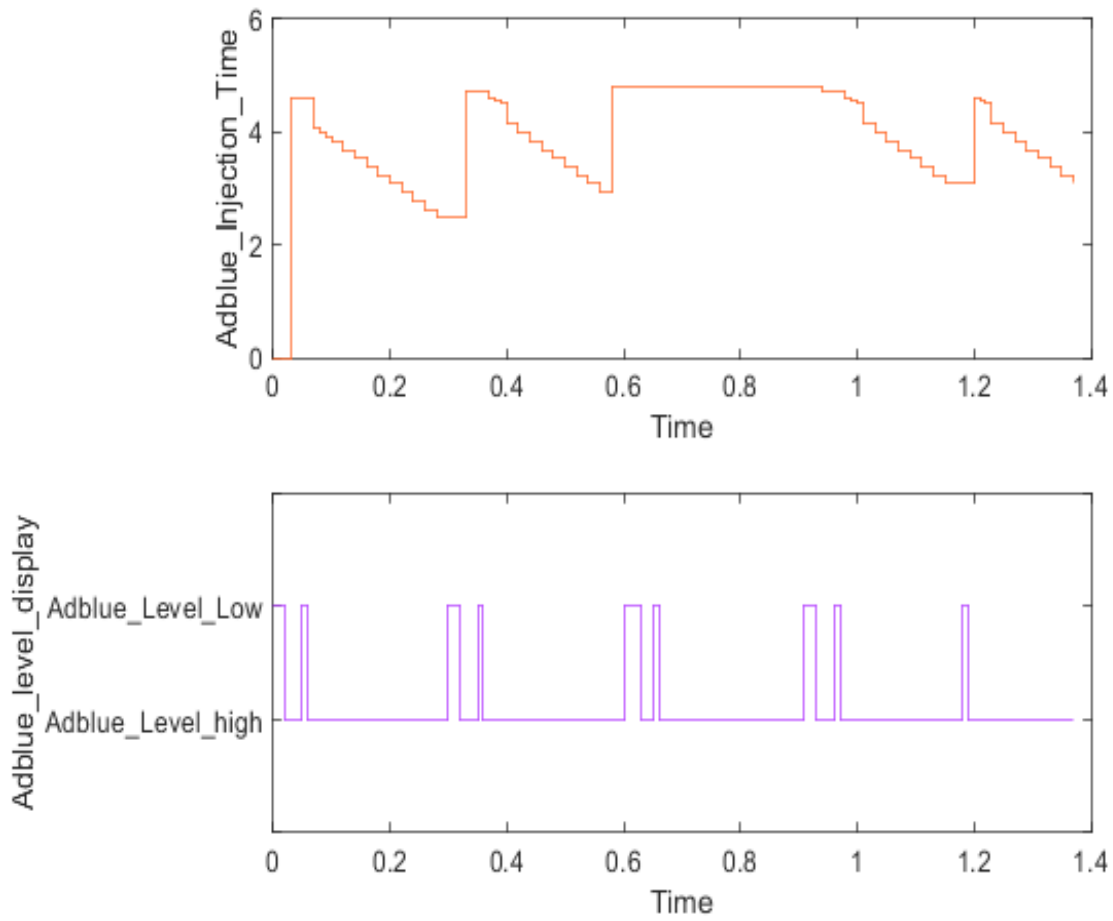
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Visit_Workshop_Im mediately	boolean		0.01	zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_display	adblue_capacity		0.01	zoh	union



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Simulation Logs:

Simulation stopped at '1.3700000000000001' because there is no input data after this time point.

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SIL

Test Result Information

Result Type: Test Suite Result
Parent: [Eas_Test](#)
Start Time: 04-Aug-2022 14:51:11
End Time: 04-Aug-2022 14:52:39
Outcome: Total: 1, **Passed: 1**

Test Suite Information

Name: SIL
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Functional_Test


Test Result Information

Result Type: Test Case Result
Parent: [SIL](#)
Start Time: 04-Aug-2022 14:51:11
End Time: 04-Aug-2022 14:52:39
Outcome: **Passed**




Test Case Information


Name: Functional_Test
Type: Equivalence Test

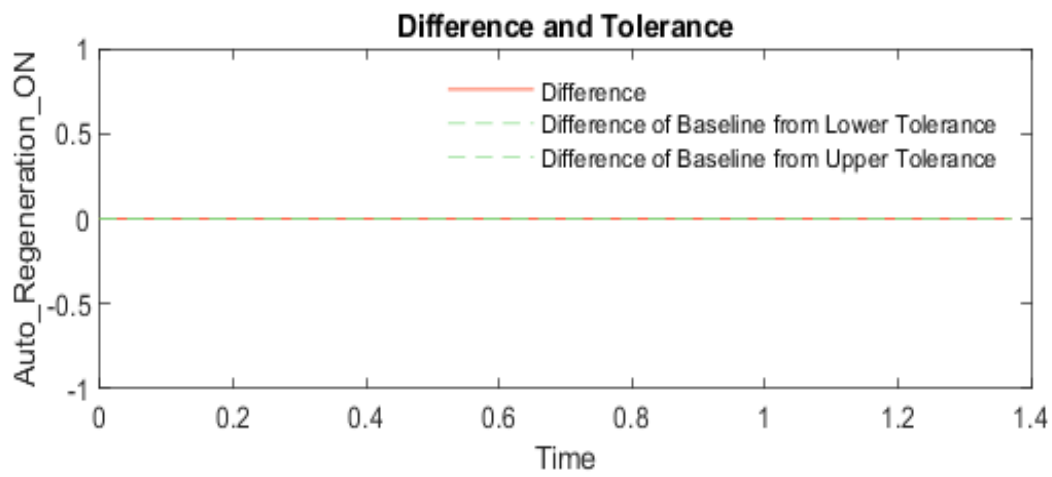
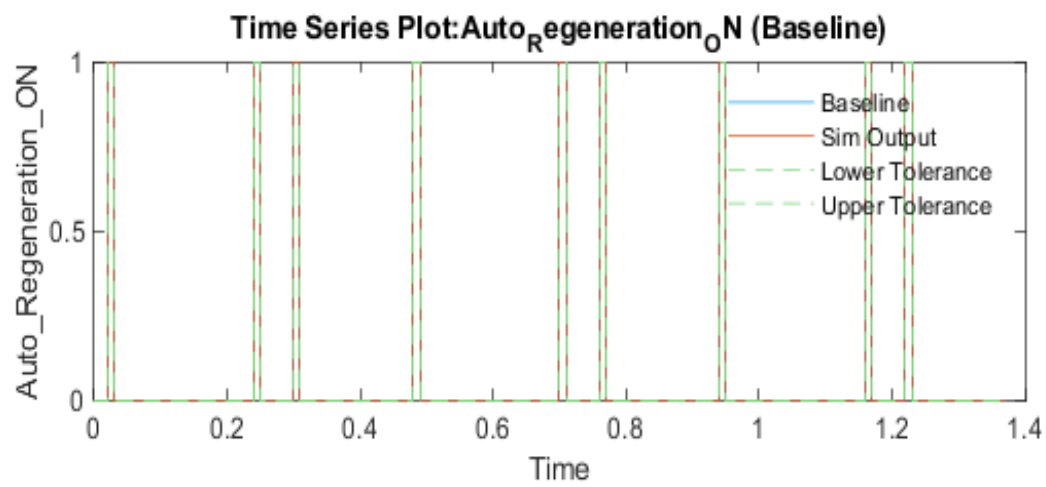
Equivalence Comparison

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync	Link to Plot
 Auto_Regeneration_ON	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union	Link

✔ Manual_Regeneration_Start	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor1	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor4	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor3	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor2	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Press_Regeneration_Button	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Adblue_Injection_Time	0	0	0	0	0	double	0.01	double	0.01	zoh	union	Link
✔ Adblue_level_display	0	0	0	0	0	adblue_capacity	0.01	adblue_capacity	0.01	zoh	union	Link
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Press_Regeneration_Button	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor2	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor1	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor4	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link
✔ Post_Injection_tor3	0	0	0	0	0	boolean	0.01	boolean	0.01	zoh	union	Link

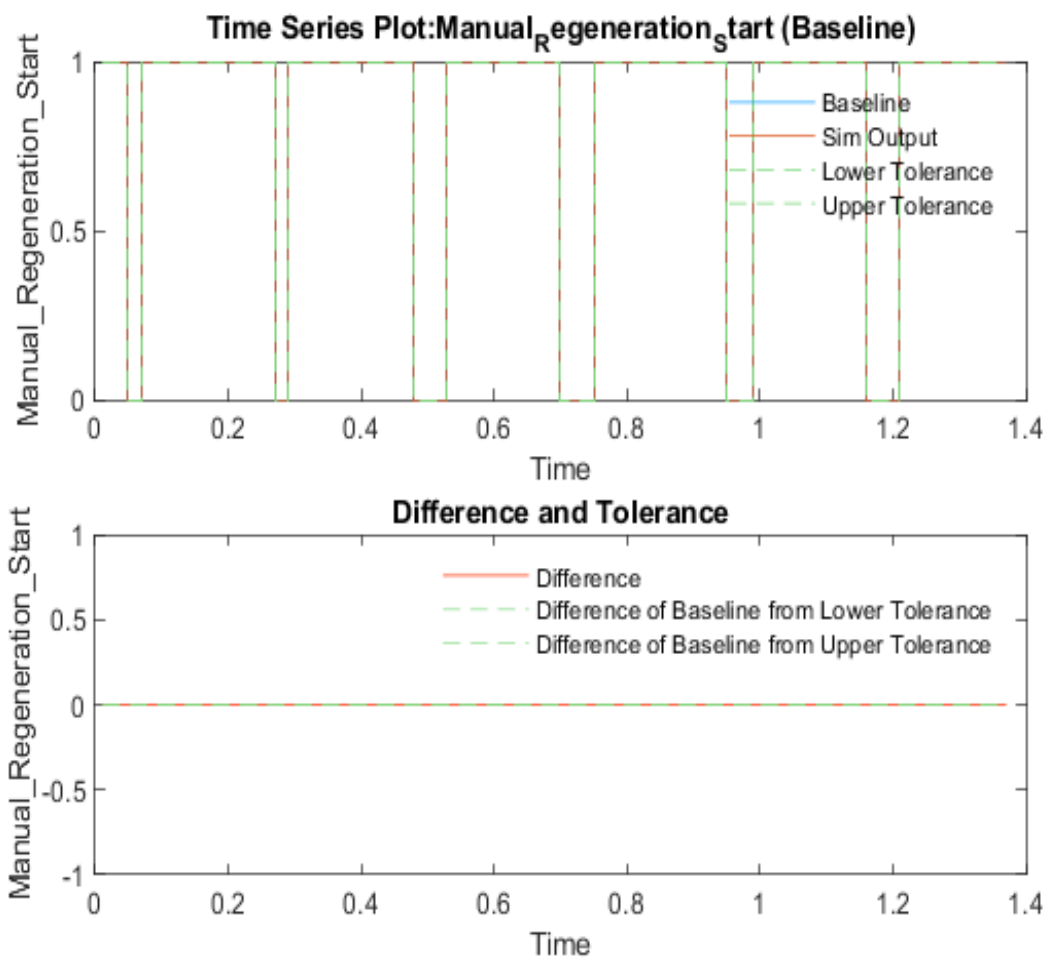
 Visit_Workshop_Immediately	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union	Link
 Adblue_Injection_Time	0	0	0	0	0	double		0.01	double		0.01	zoh	union	Link
 Adblue_level_display	0	0	0	0	0	adblue_capacity		0.01	adblue_capacity		0.01	zoh	union	Link

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
 Auto_Regeneration_ON	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



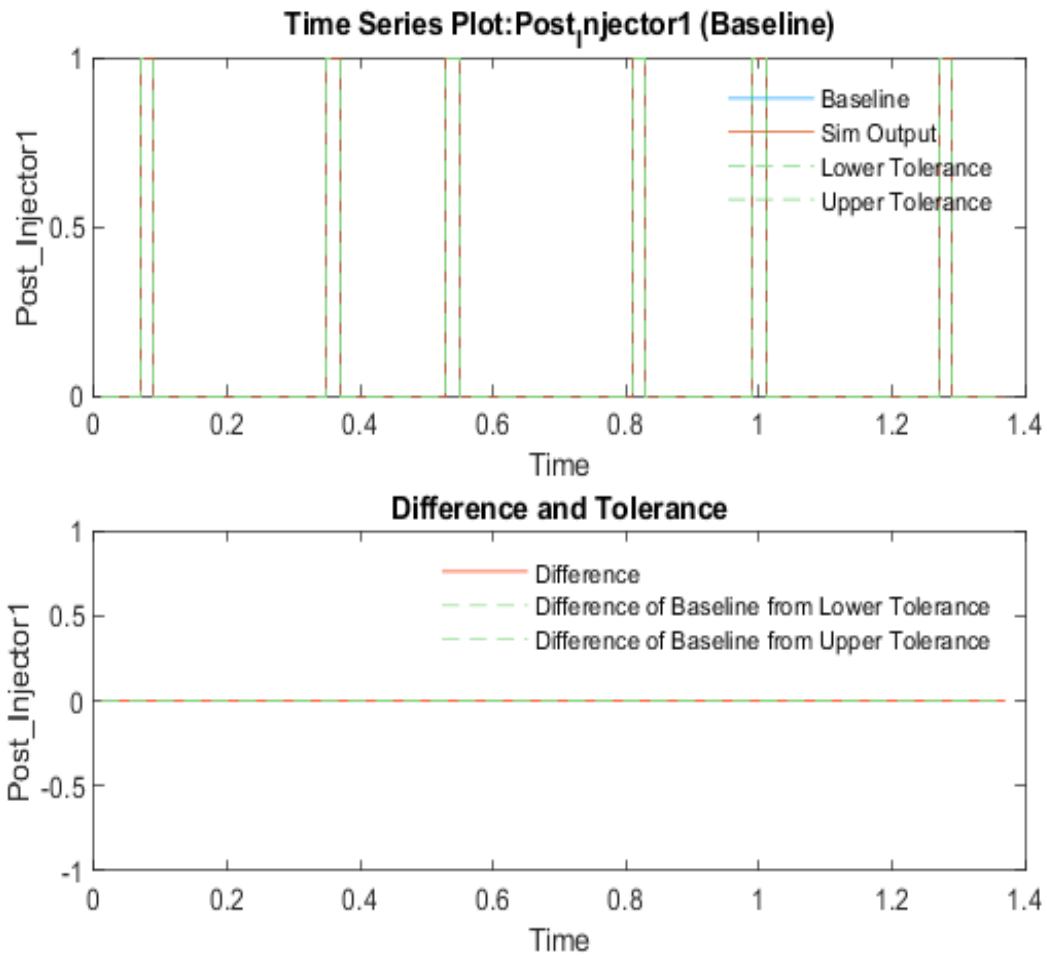
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



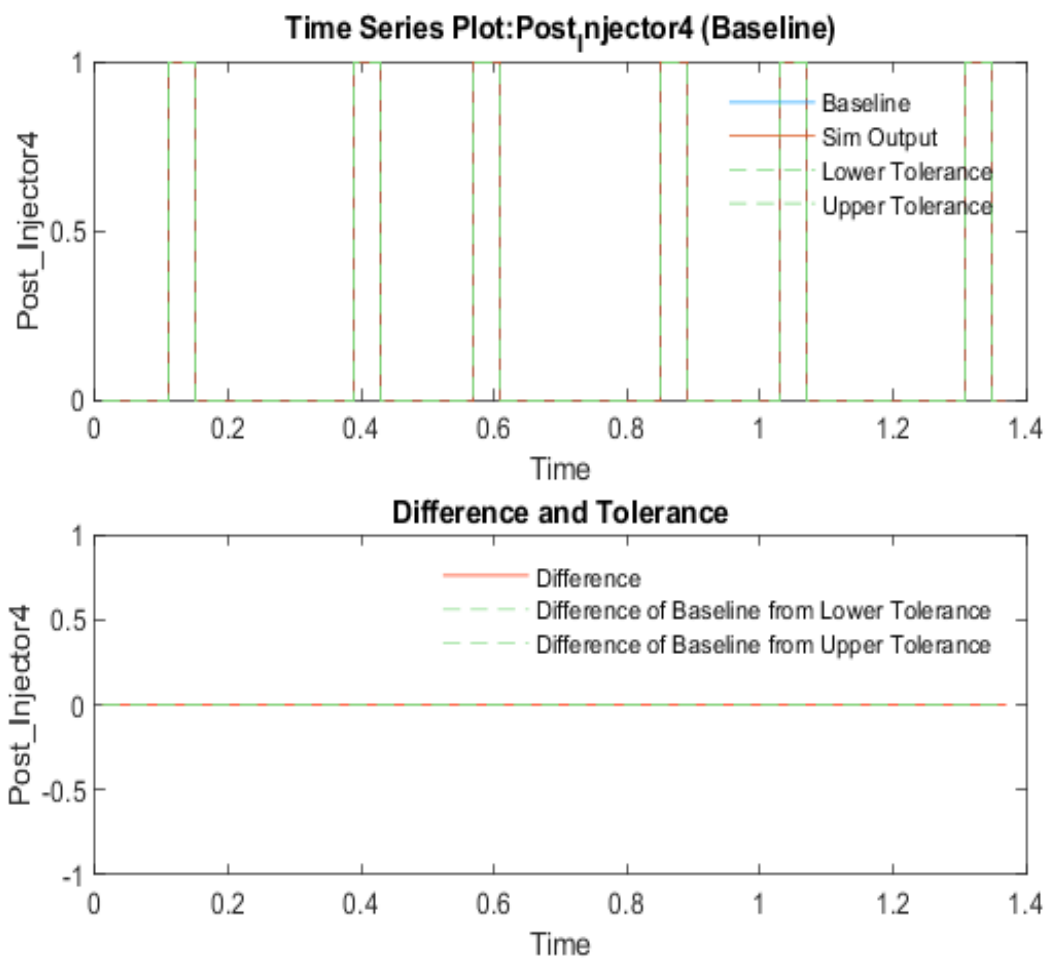
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector1	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



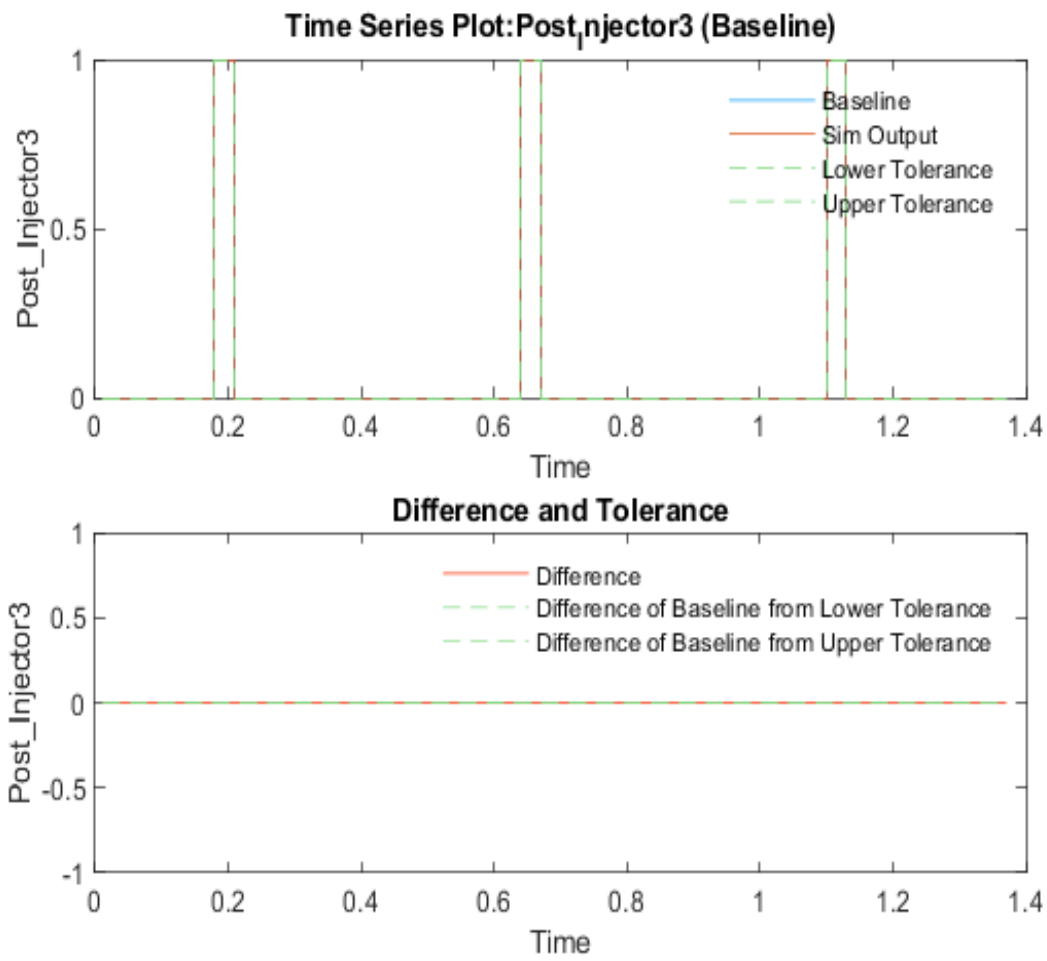
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector4	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



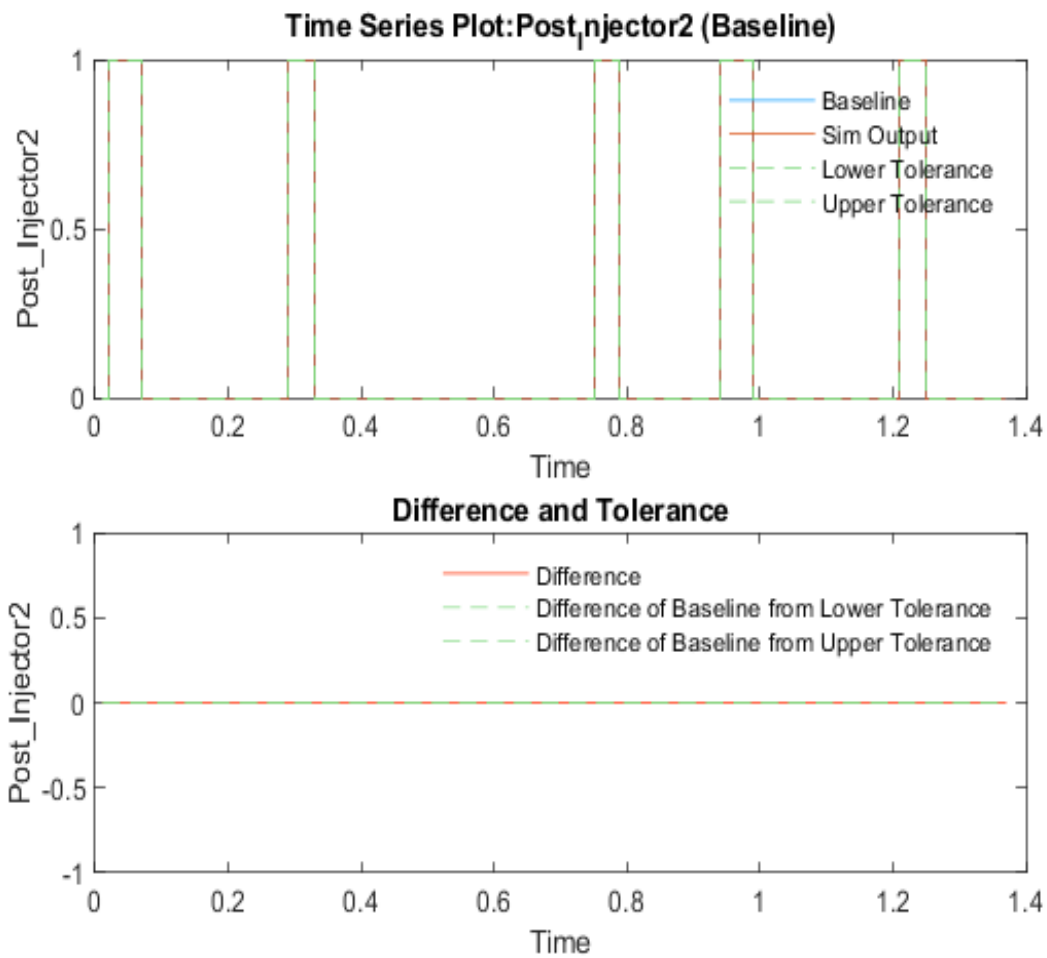
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Name	Abs T	Rel T	ToLead T	Lag T	Max Di	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector3	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



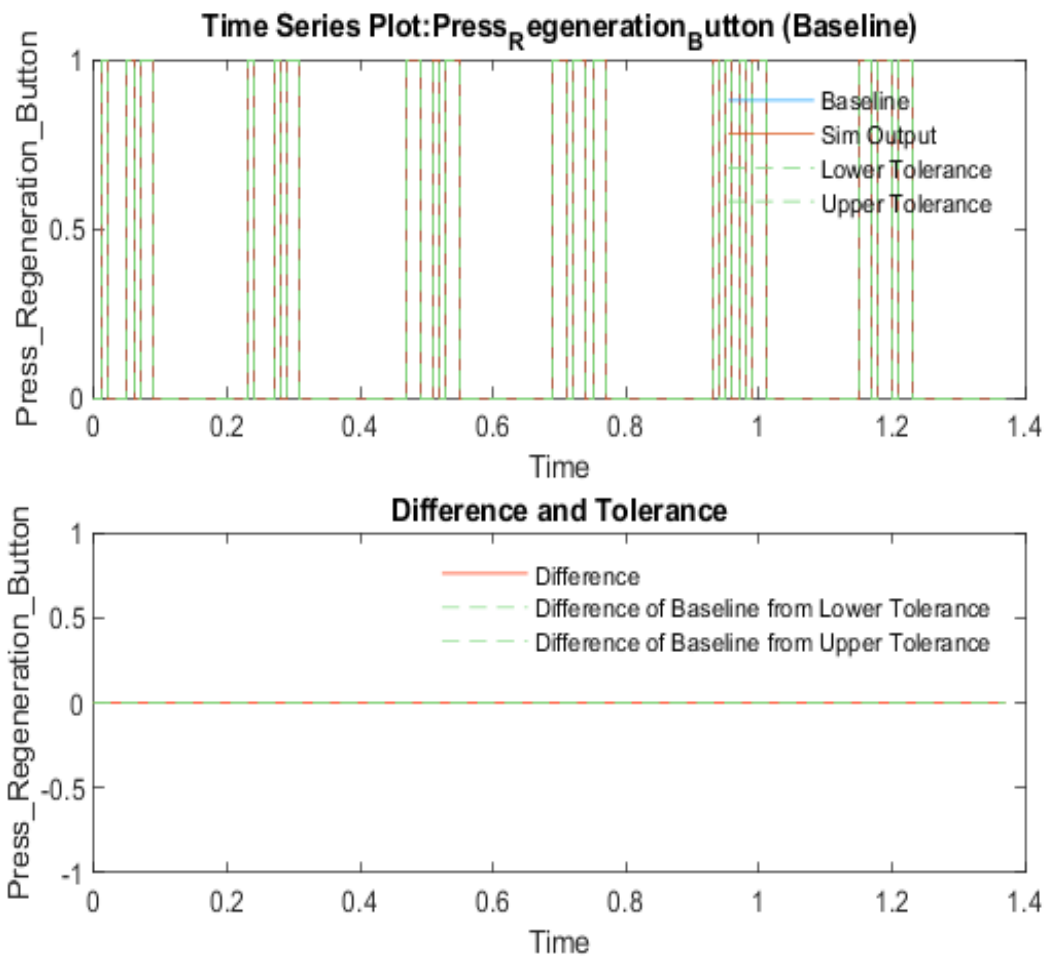
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Name	Abs T	Rel To	Lead T	Lag T	Max Di	Data Type 1	Units	Sample Tim	Data Type 2	Units	Sample Tim	Interp	Sync
	ol	l	ol	ol	ff		1	e 1		2	e 2		
✔ Post_Injec tor2	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



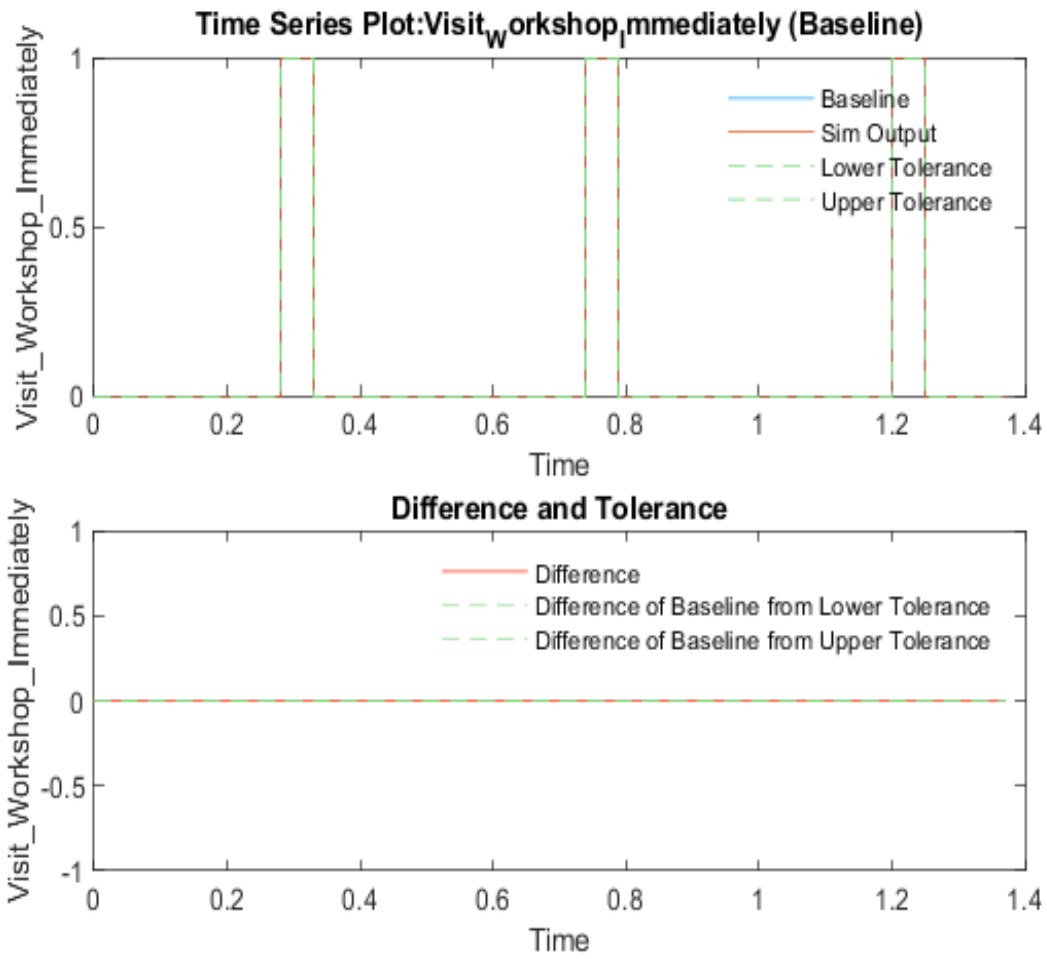
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Press_Regeneration_Button	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



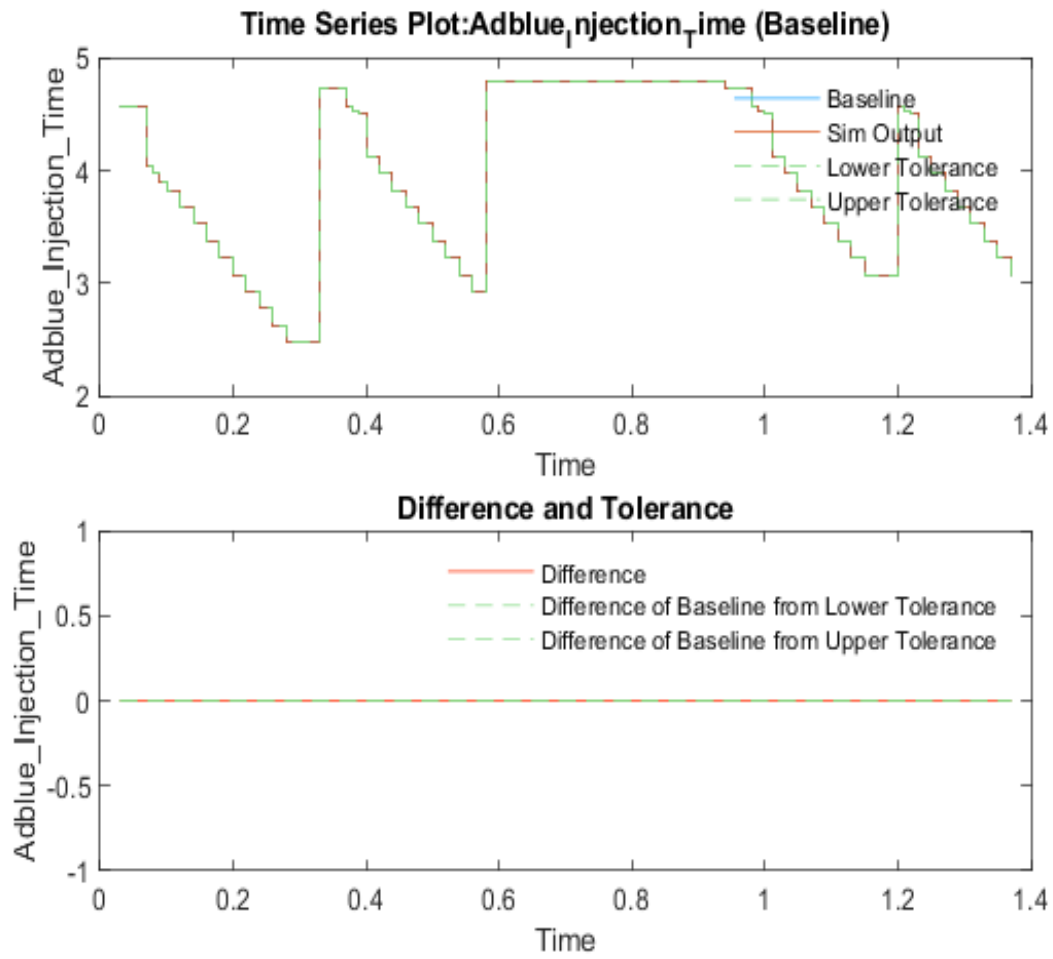
[Back to Report Summary](#)[Back to Criteria Results](#)

Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



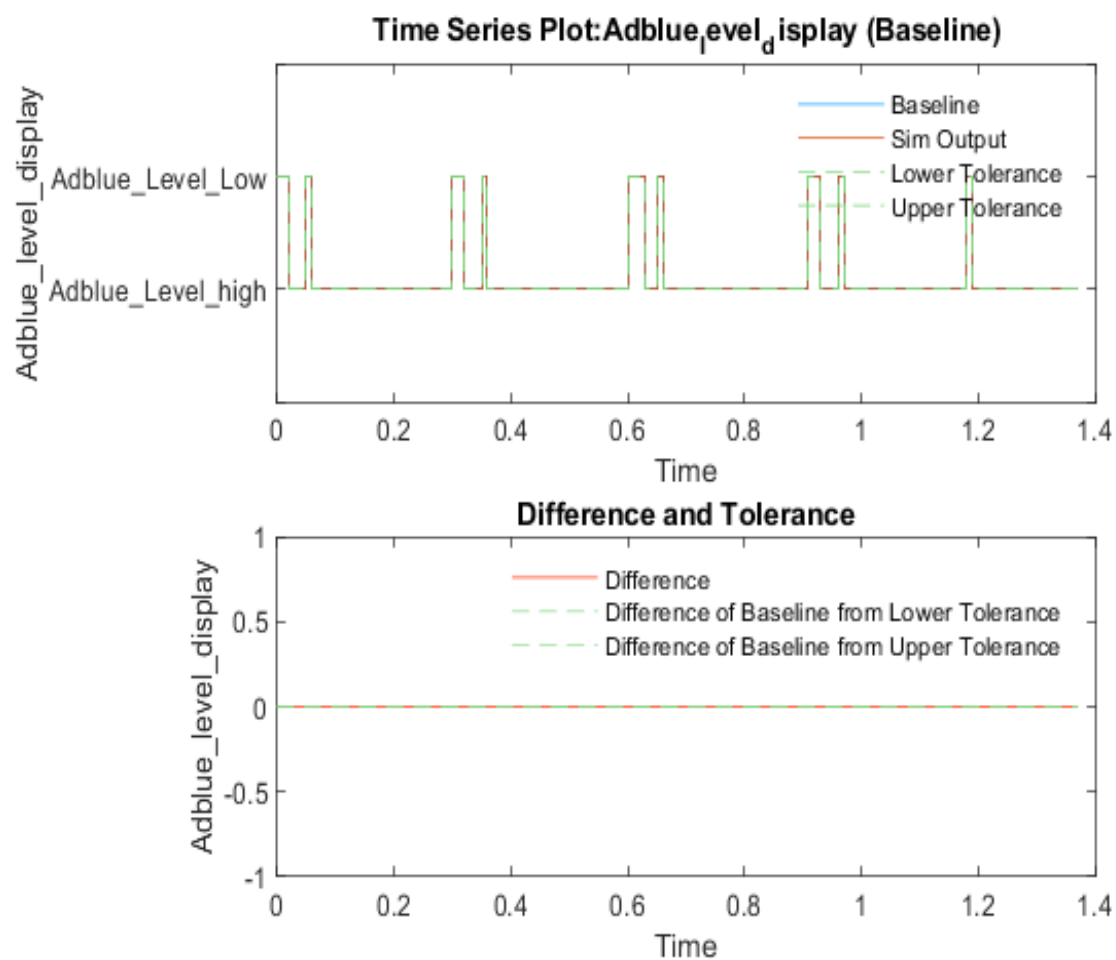
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Name	Abs Tol	Rel Tol	ToLead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_Injection_Time	0	0	0	0	0	double		0.01	double		0.01	zoh	union



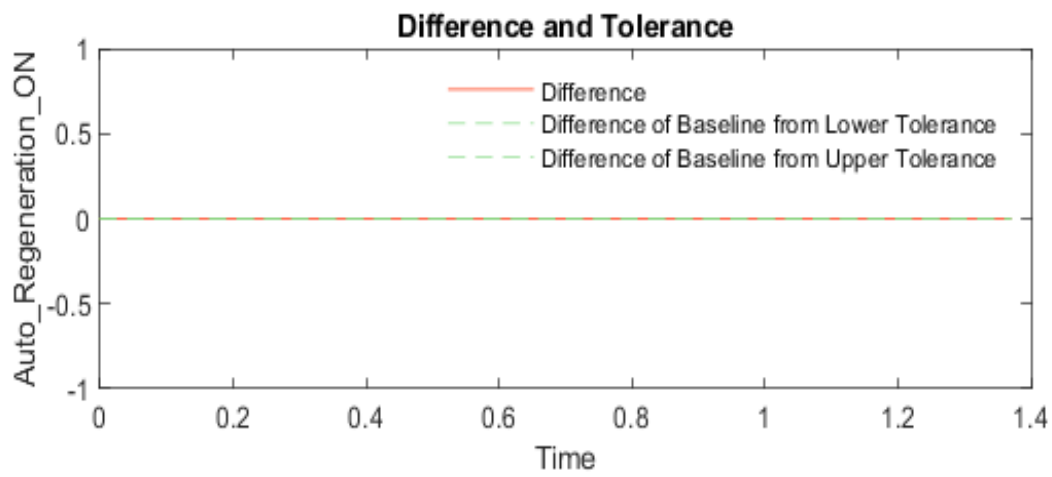
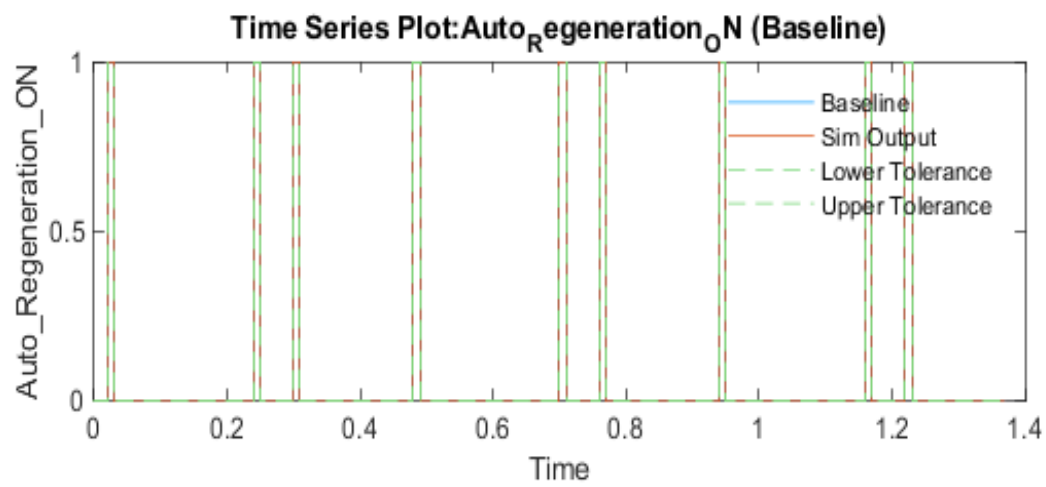
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_level_display	0	0	0	0	0	adblue_capacity		0.01	adblue_capacity		0.01	zoh	union



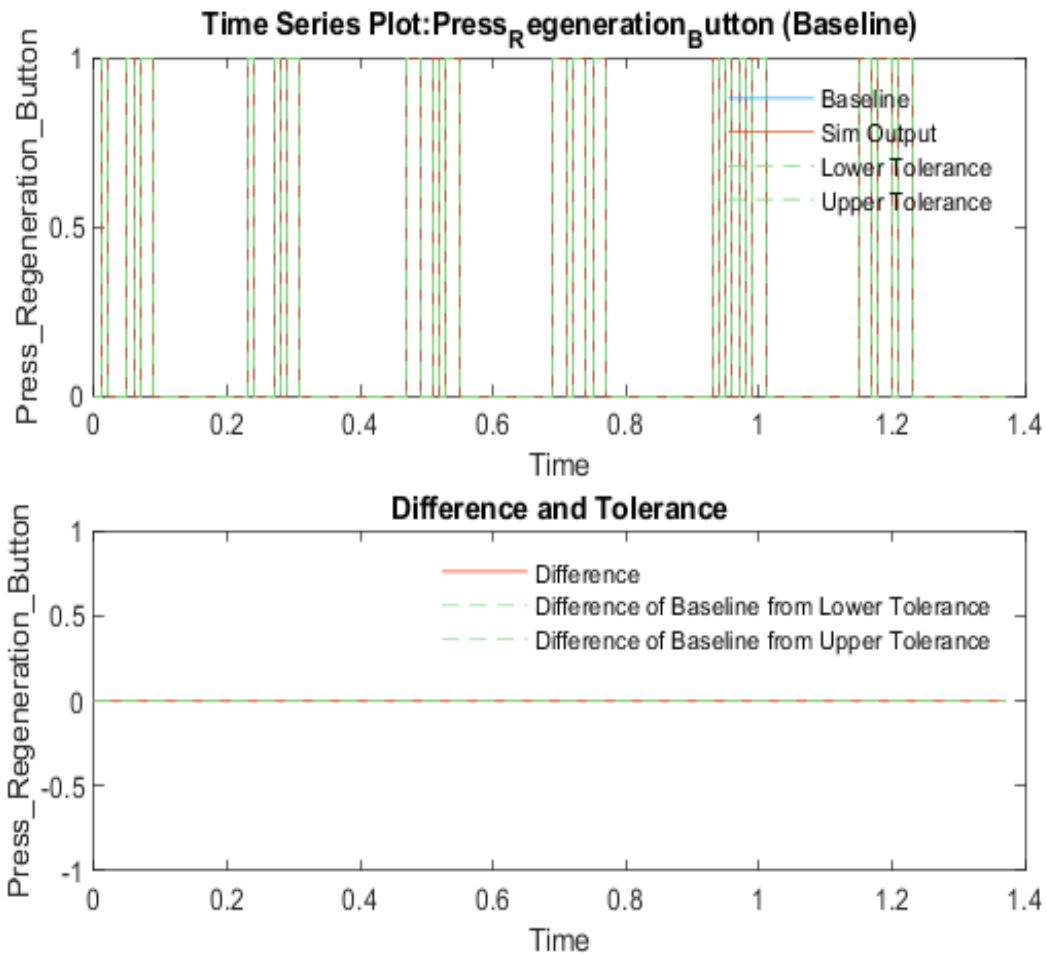
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Name	Abs T	Rel To	Lead T	Lag T	Max Di	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



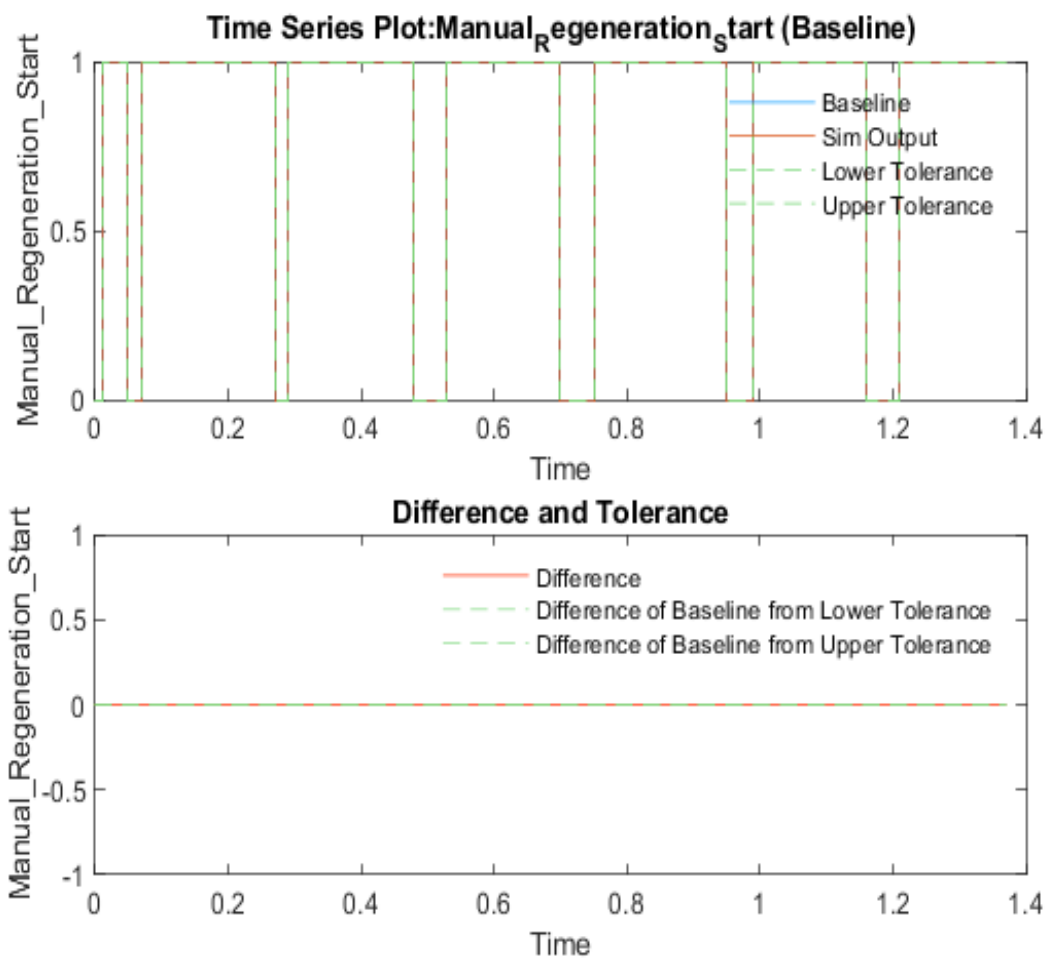
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Press_Regeneration_Button	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



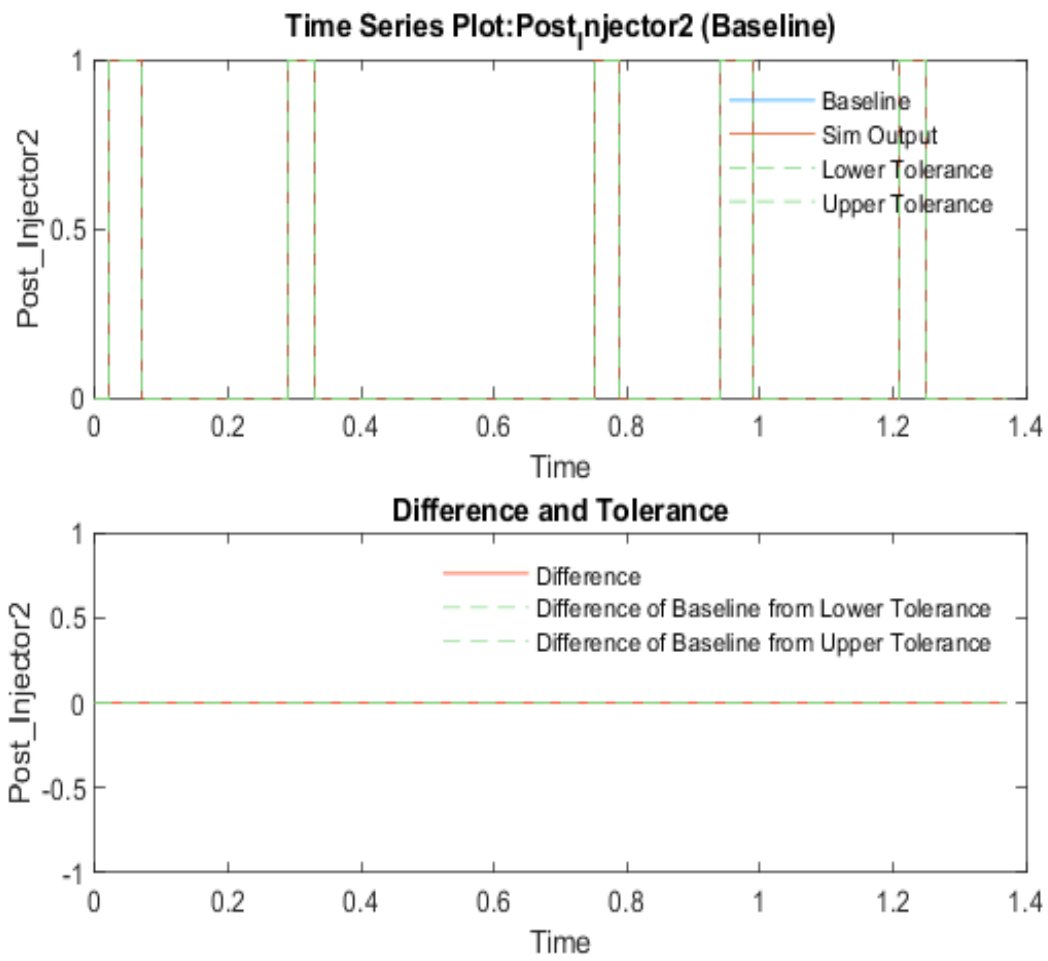
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



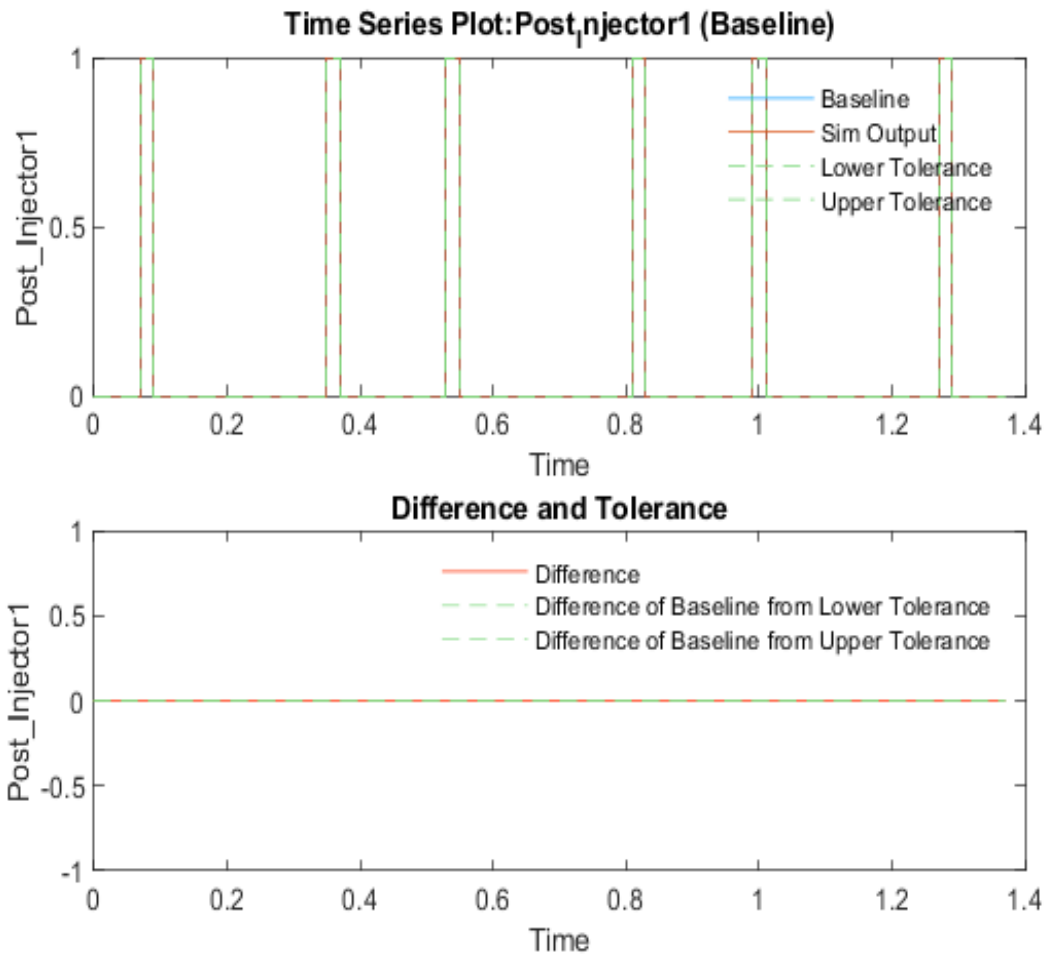
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector2	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



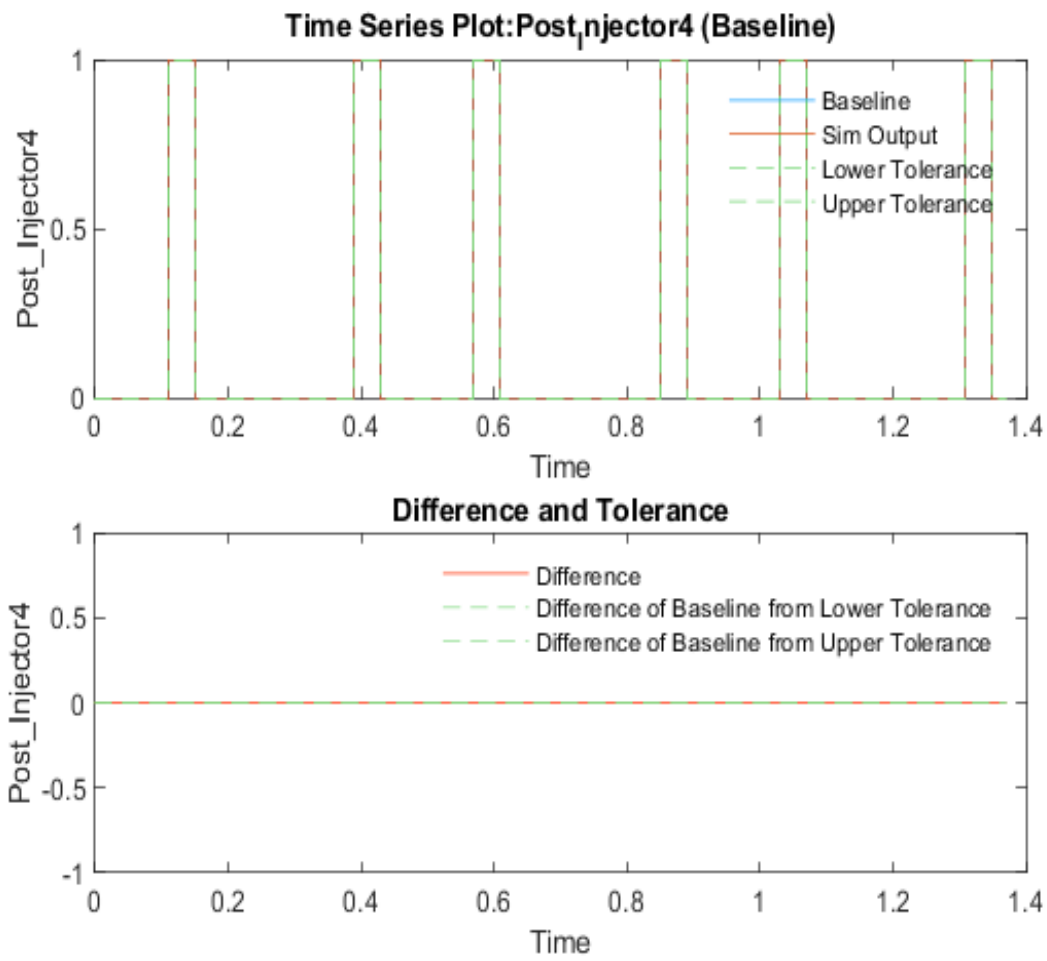
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector1	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



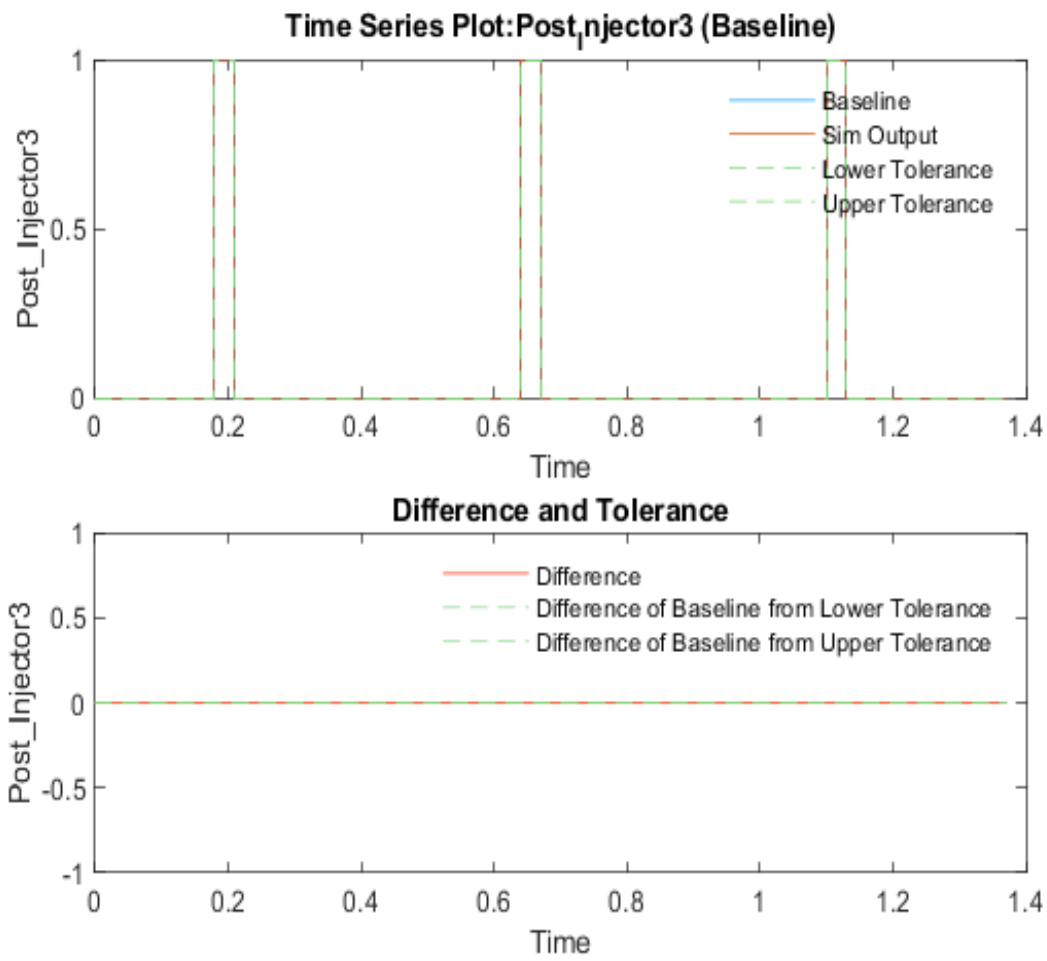
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector4	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



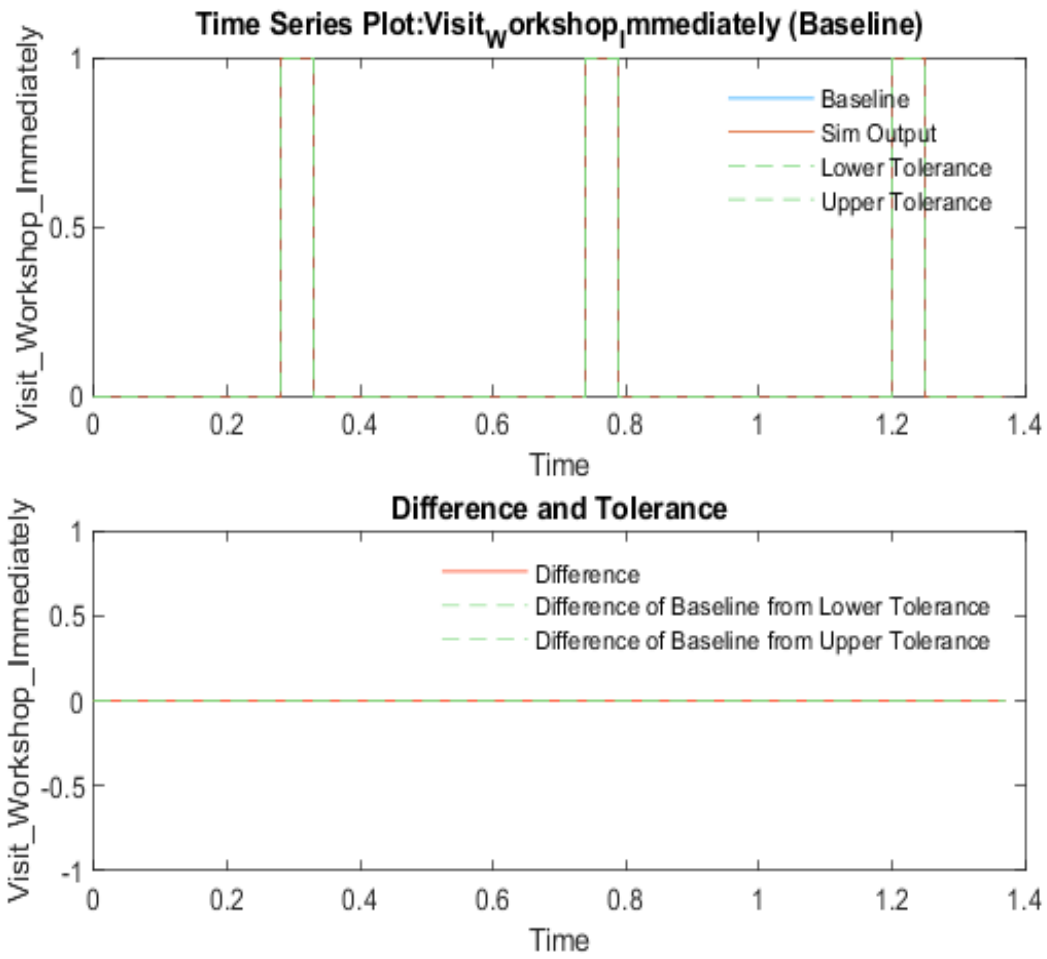
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Name	Abs T	Rel To	Lead T	Lag T	Max Di	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector3	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



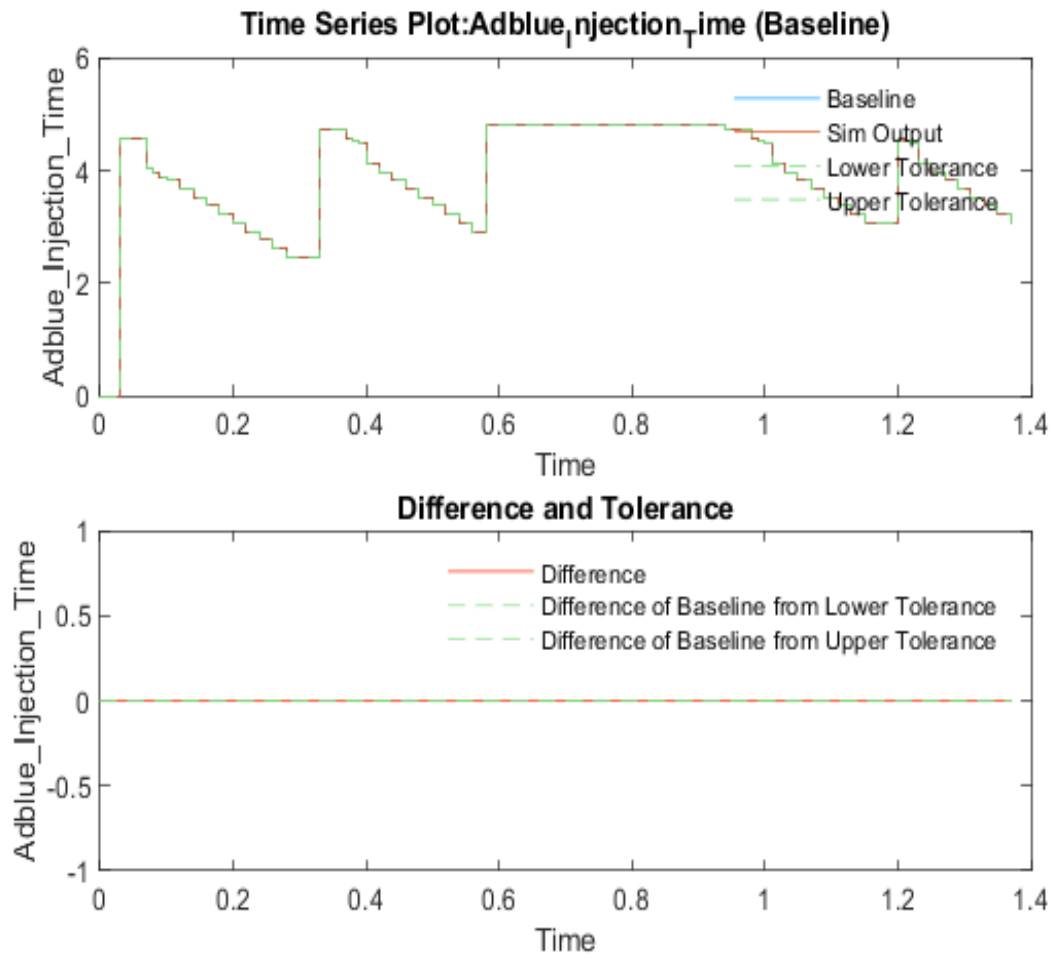
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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		0.01	boolean		0.01	zoh	union



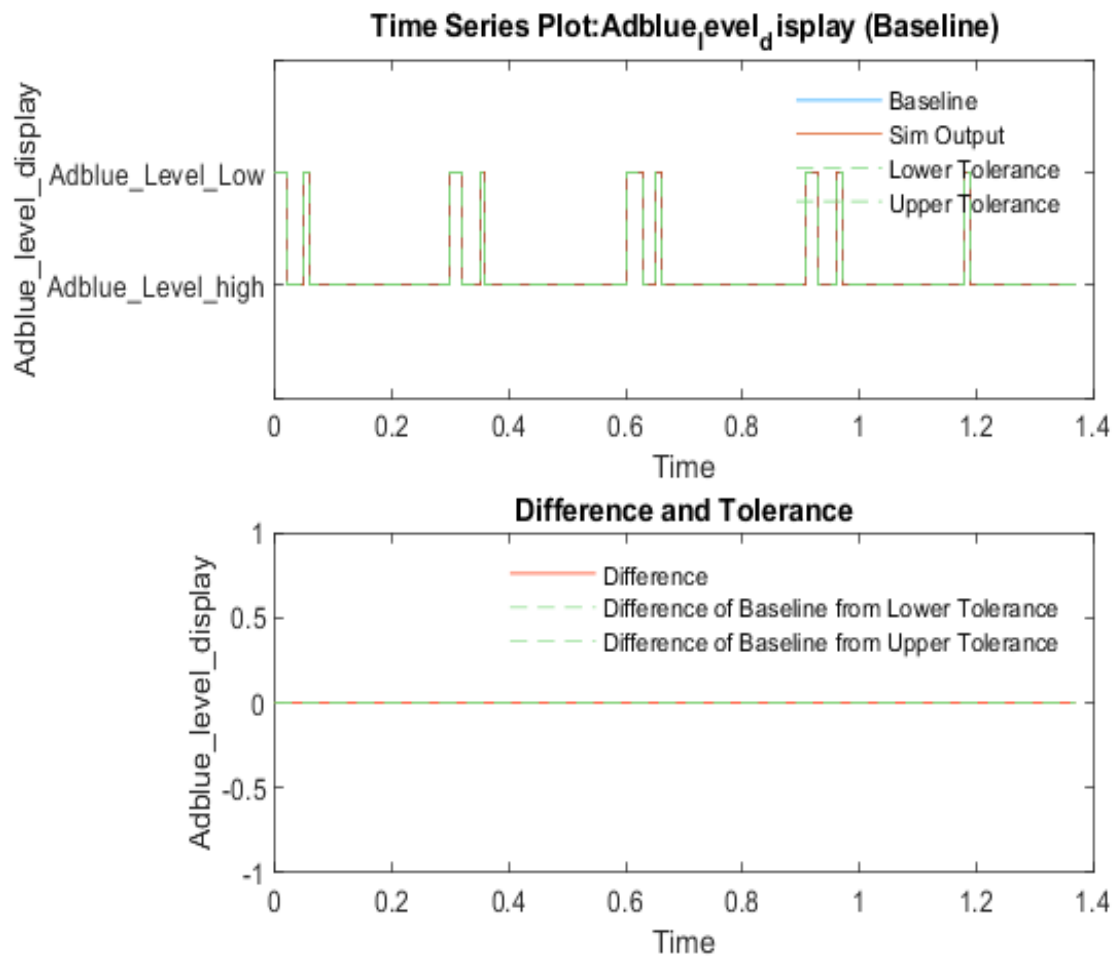
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Name	Abs T	Rel To	Lead T	Lag T	Max Di	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Adblue_Injection_Time	0	0	0	0	0	double		0.01	double		0.01	zoh	union



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Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_level_display	0	0	0	0	0	adblue_capacity		0.01	adblue_capacity		0.01	zoh	union



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Input Data 1

Input Information

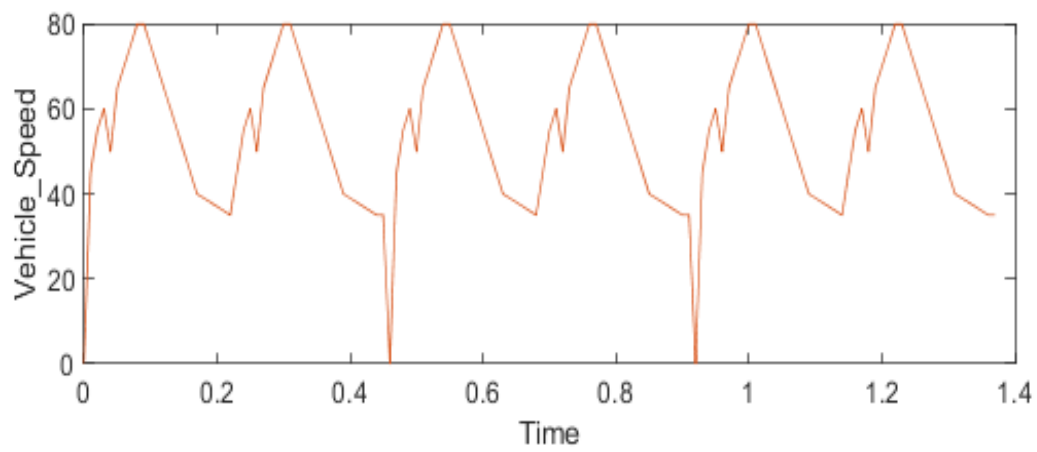
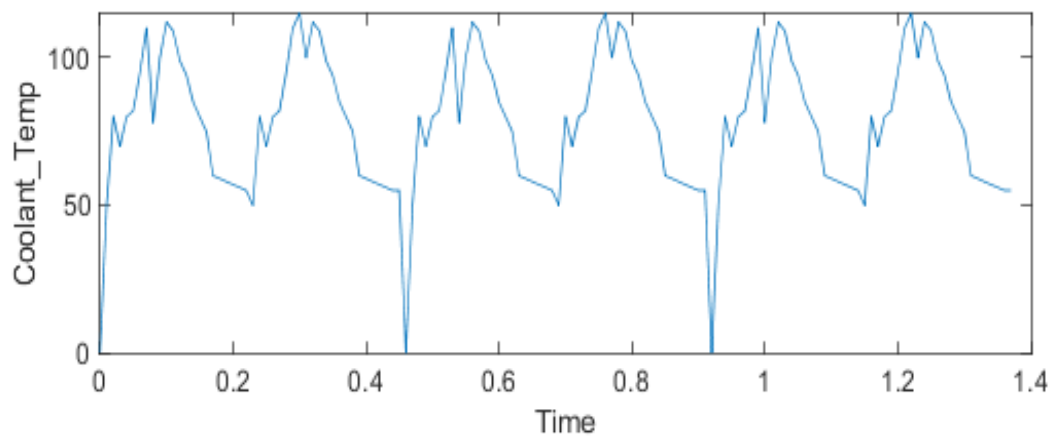
External Input Eas_Test11

Name:

External Input File: E:\Matlab\Project\Eas_24072022-20220726T17095
9Z-001\Eas_24072022\Eas_Functional_Test.xlsx

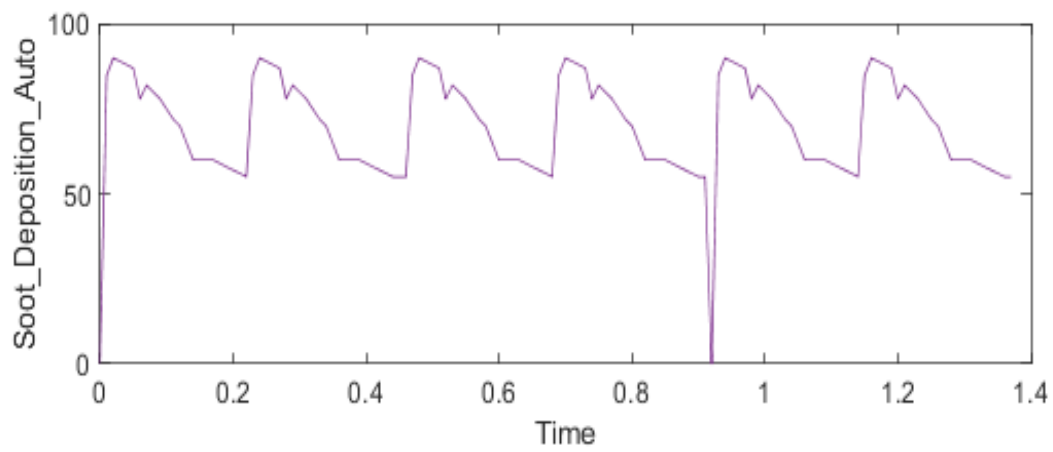
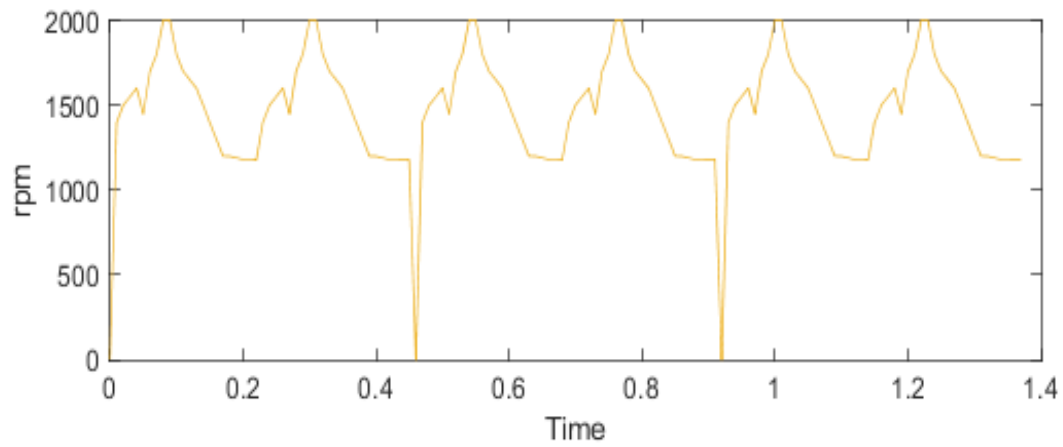
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Coolant_Temp	int16		Continuous	linear	union	Link
Vehicle_Speed	uint8		Continuous	linear	union	Link
rpm	uint16		Continuous	linear	union	Link
Soot_Deposition_Auto	uint8		Continuous	linear	union	Link
DPF_Temp_Auto	uint8		Continuous	linear	union	Link
Soot_Deposition_Manual	uint8		Continuous	linear	union	Link
DPF_Temp_Manual	int16		Continuous	linear	union	Link
Break_Pedal	boolean			zoh	union	Link
Accelerator_Pedal	boolean			zoh	union	Link
Clutch_Pedal	boolean			zoh	union	Link
Crank_Angle	uint16		Continuous	linear	union	Link
Soot_Deposition_Service	uint8		Continuous	linear	union	Link
Nox_Sensor	uint16		Continuous	linear	union	Link
Scr_Temp_Sensor	uint16		Continuous	linear	union	Link
Adblue_Level	uint8		Continuous	linear	union	Link
Adblue_Quality	double		Continuous	linear	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Coolant_Temp	int16		Continuous	linear	union
Vehicle_Speed	uint8		Continuous	linear	union



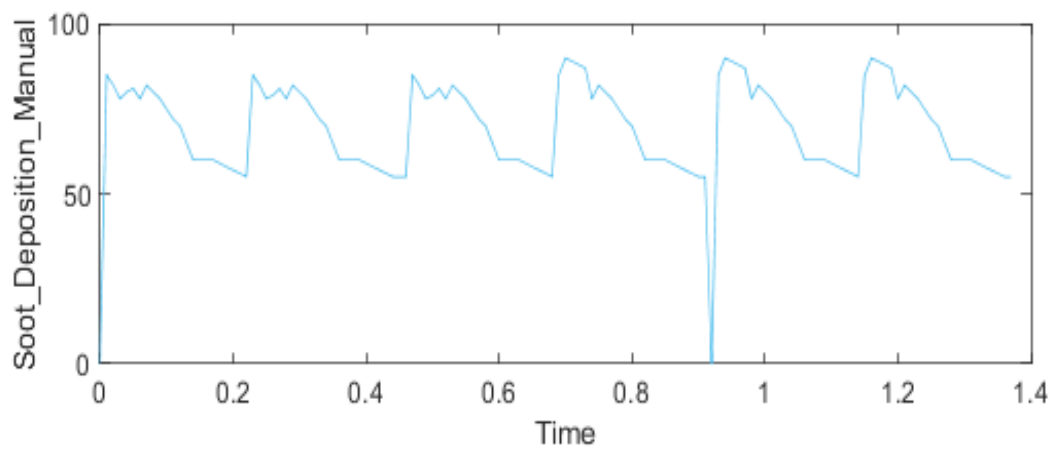
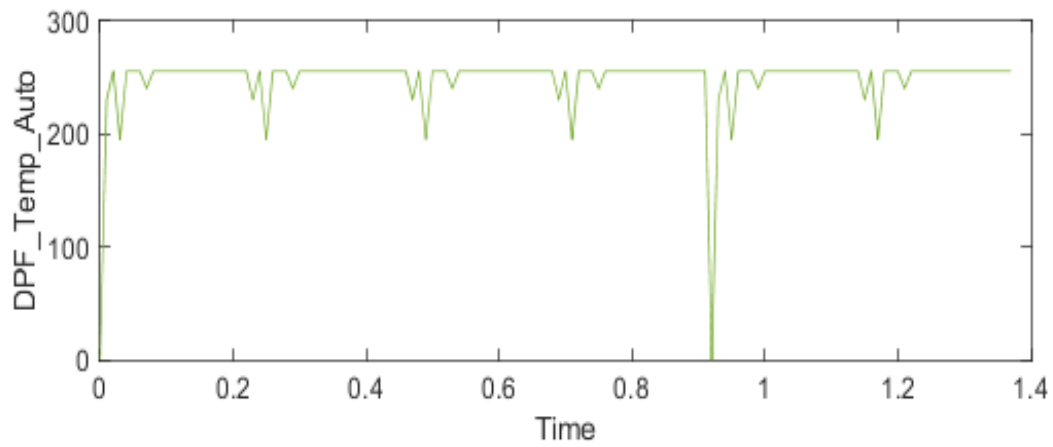
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Name	Data Type	Units	Sample Time	Interp	Sync
rpm	uint16		Continuous	linear	union
Soot_Deposition_Auto	uint8		Continuous	linear	union



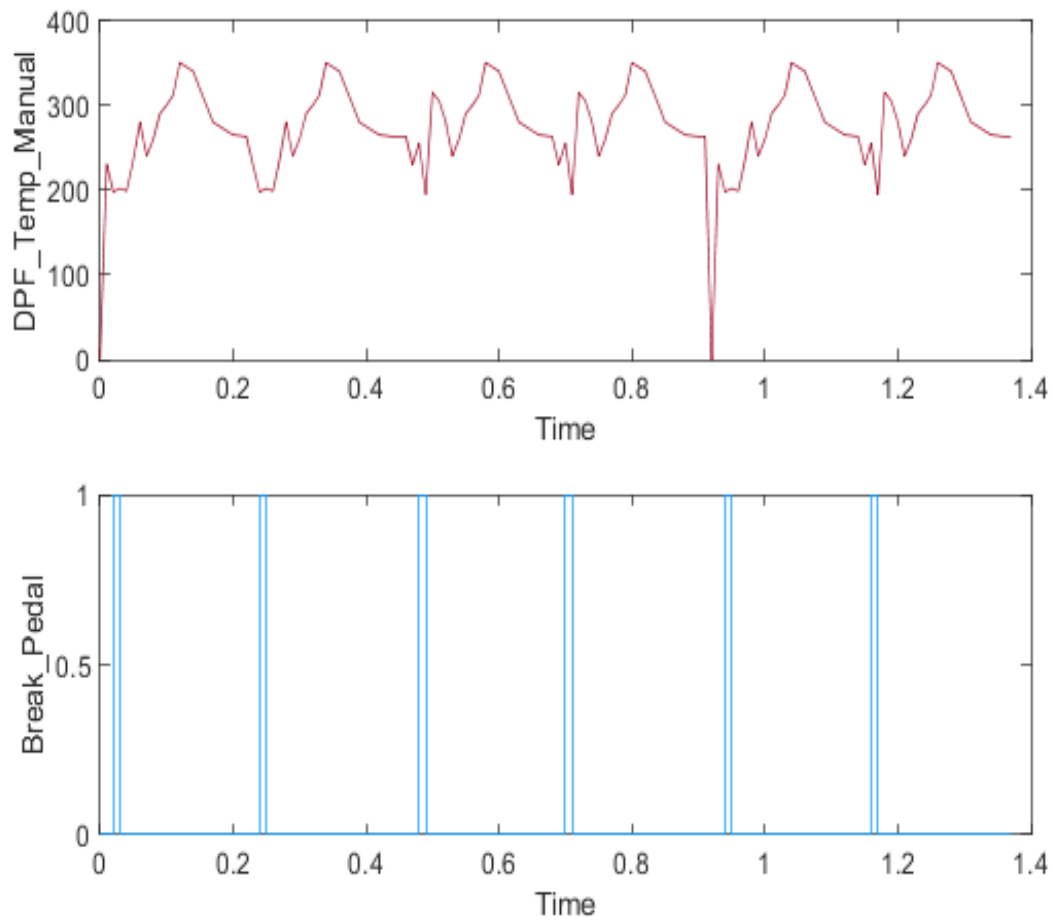
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Auto	uint8		Continuous	linear	union
Soot_Deposition_Manual	uint8		Continuous	linear	union



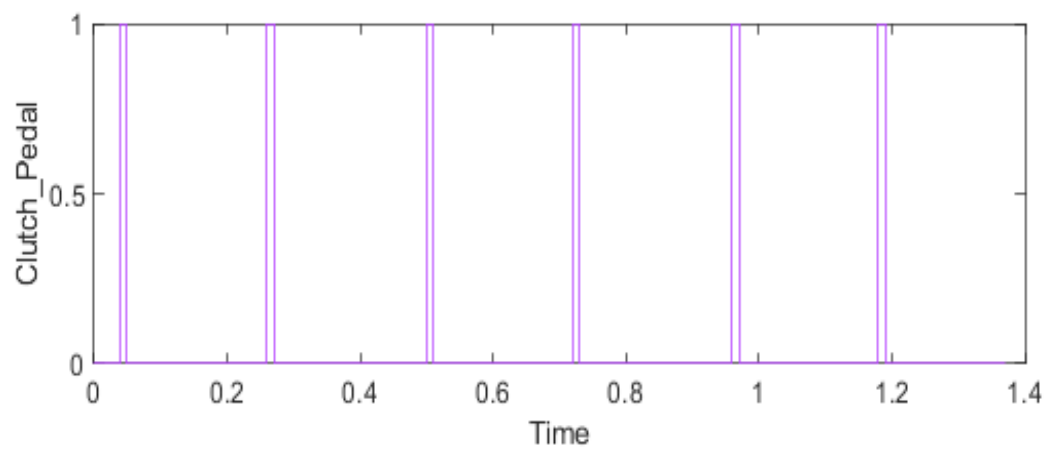
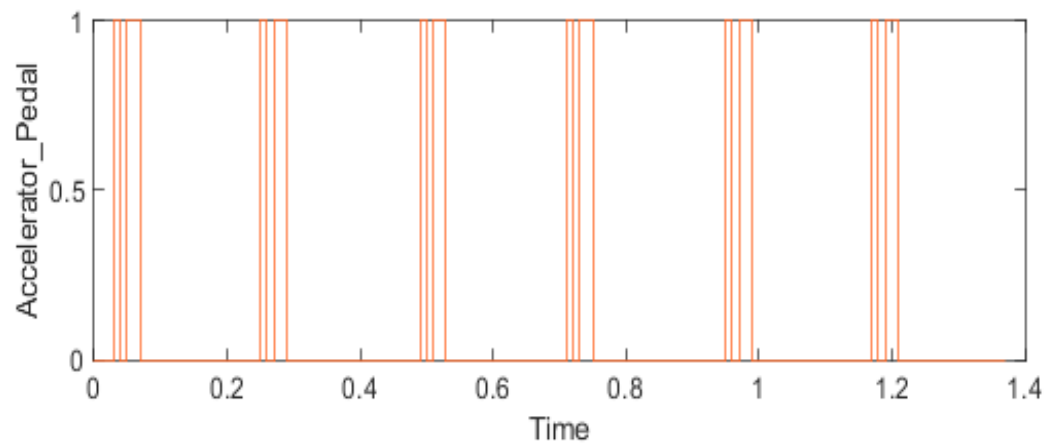
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Manual	int16		Continuous	linear	union
Break_Pedal	boolean			zoh	union



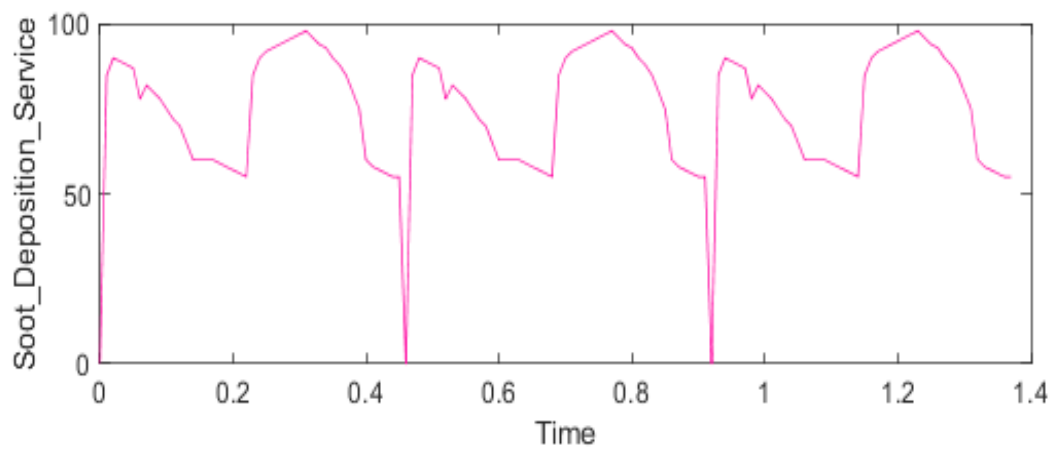
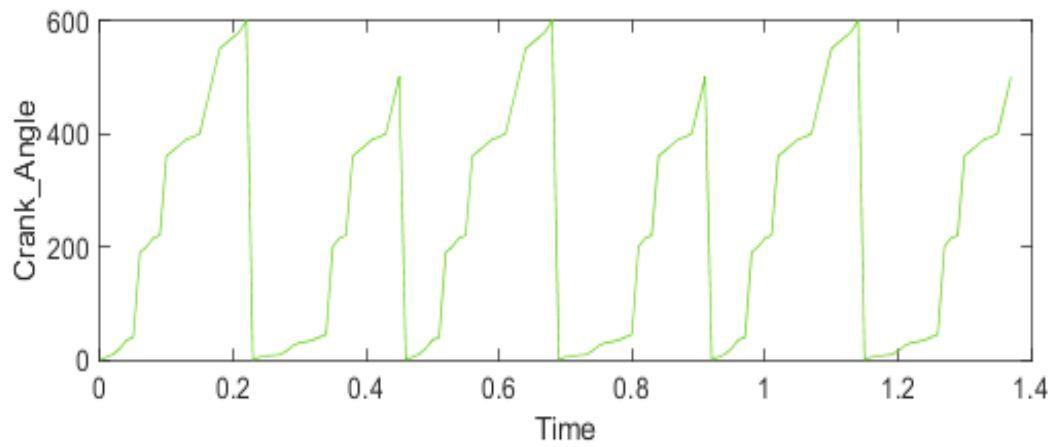
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Name	Data Type	Units	Sample Time	Interp	Sync
Accelerator_Pedal	boolean			zoh	union
Clutch_Pedal	boolean			zoh	union



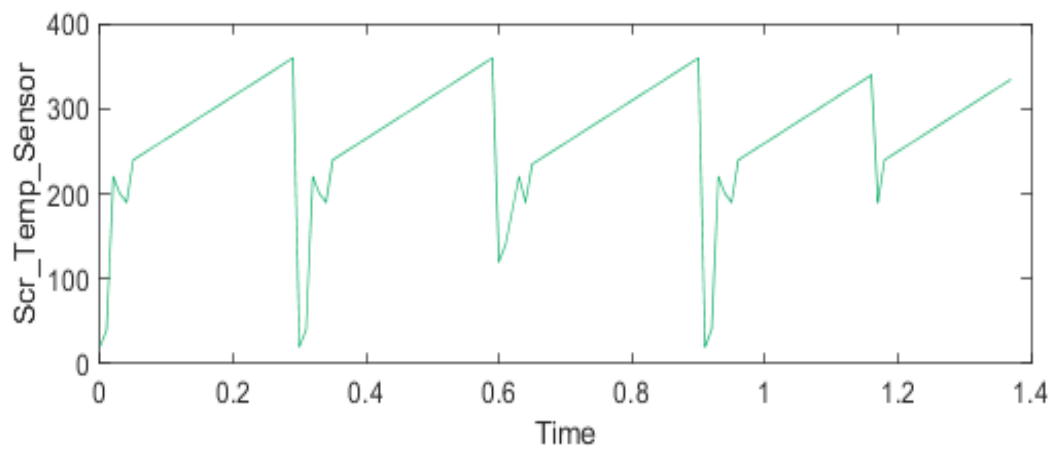
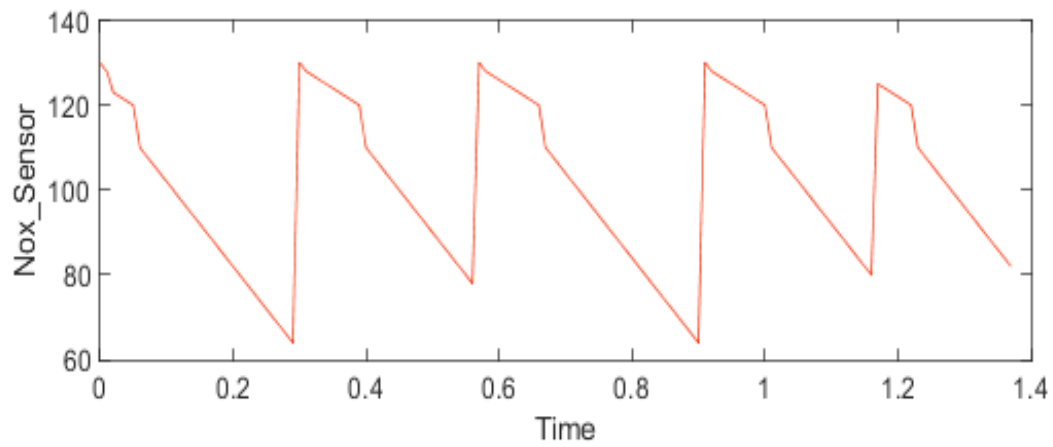
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Name	Data Type	Units	Sample Time	Interp	Sync
Crank_Angle	uint16		Continuous	linear	union
Soot_Deposition_Service	uint8		Continuous	linear	union



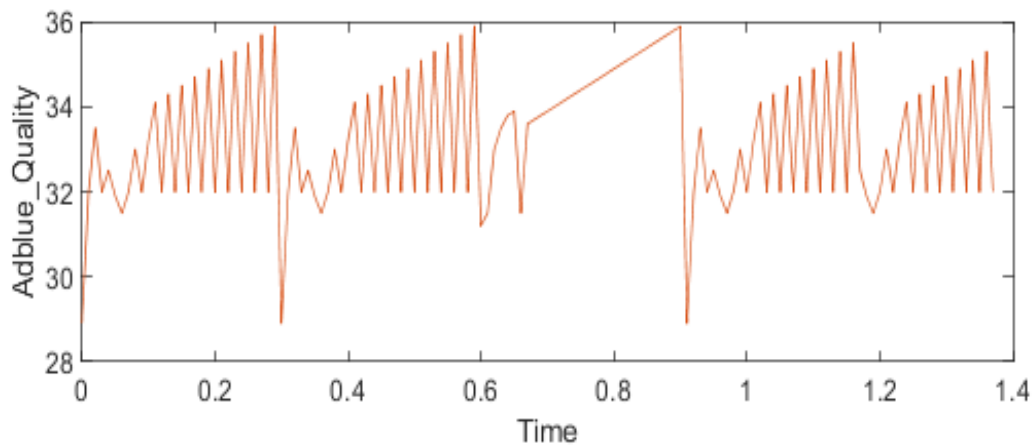
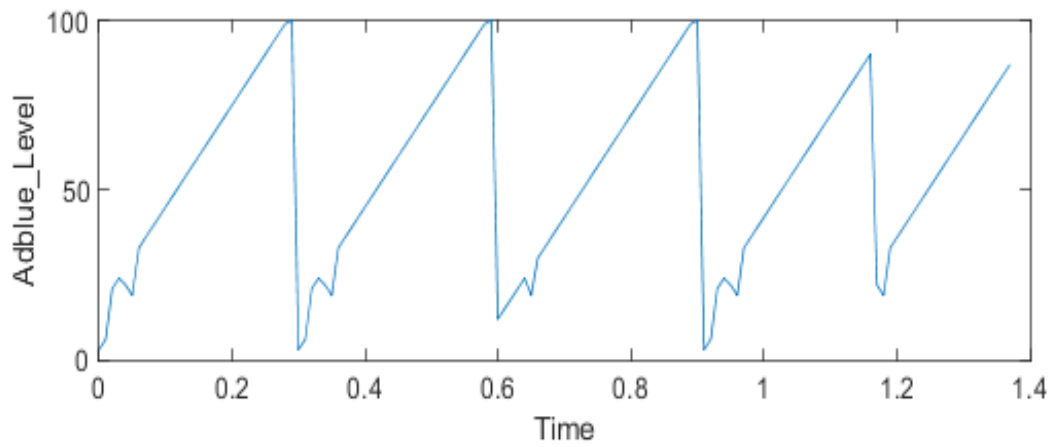
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Name	Data Type	Units	Sample Time	Interp	Sync
Nox_Sensor	uint16		Continuous	linear	union
Scr_Temp_Sensor	uint16		Continuous	linear	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Level	uint8		Continuous	linear	union
Adblue_Quality	double		Continuous	linear	union



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Input Data 2

Input Information

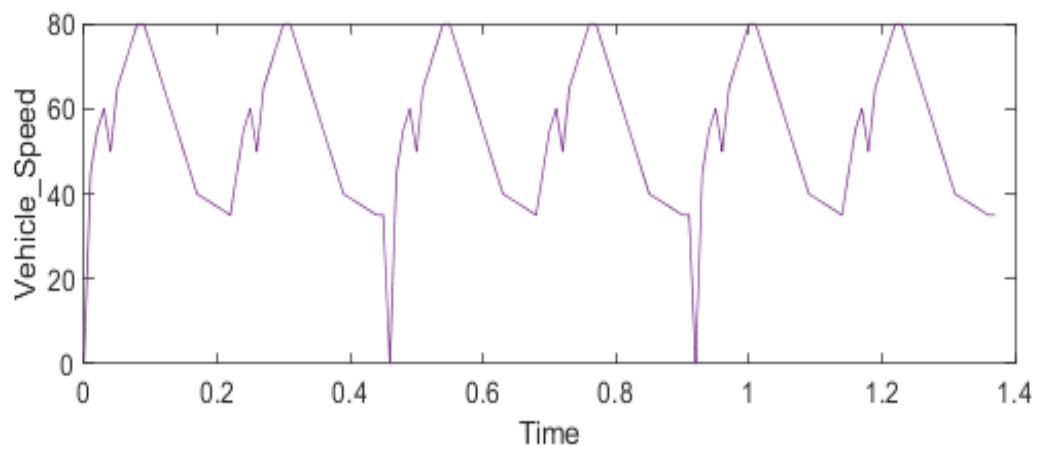
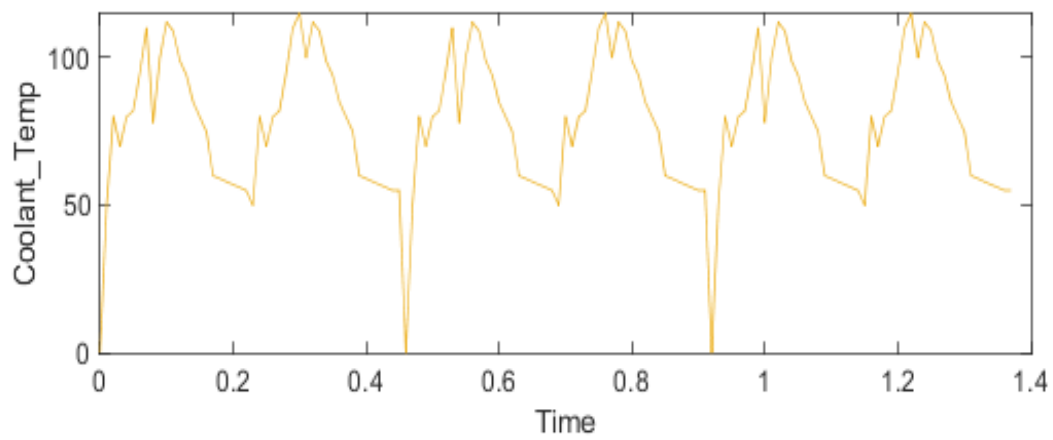
External Input Eas_Test11

Name:

External Input File: E:\Matlab\Project\Eas_24072022-20220726T17095
9Z-001\Eas_24072022\Eas_Functional_Test.xlsx

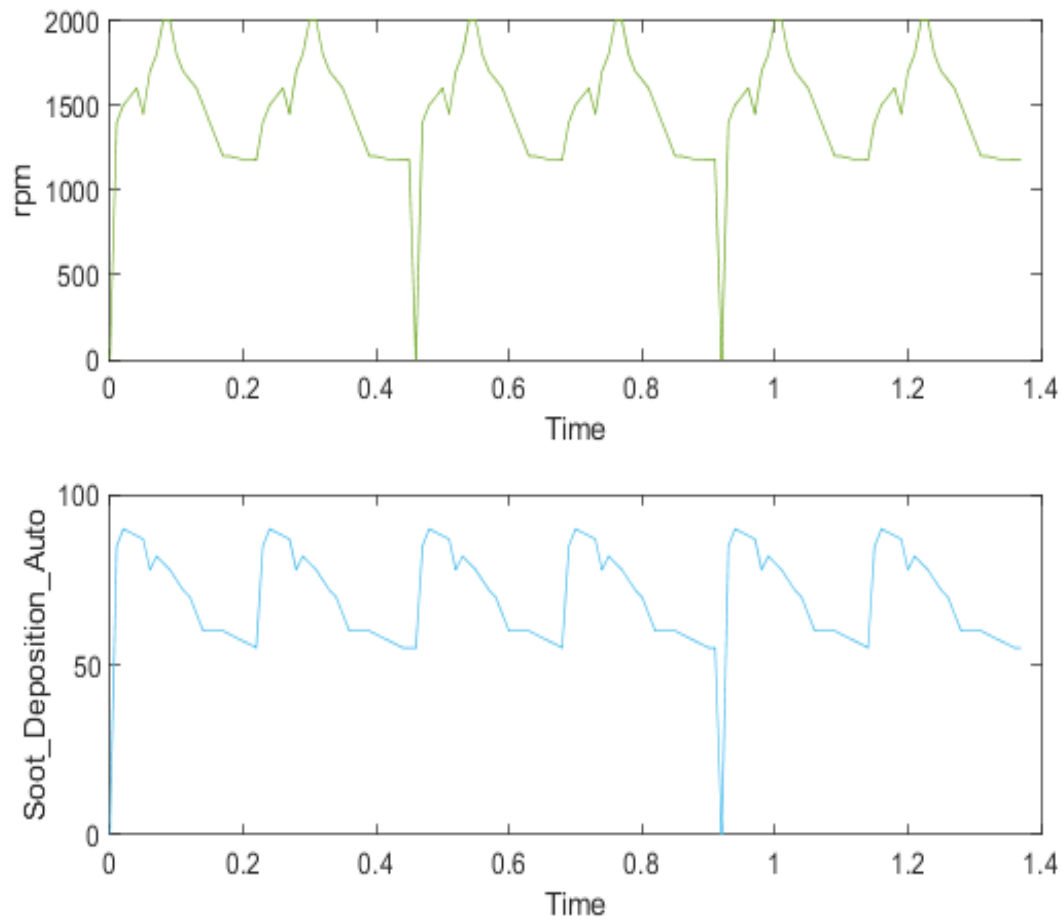
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Coolant_Temp	int16		Continuous	linear	union	Link
Vehicle_Speed	uint8		Continuous	linear	union	Link
rpm	uint16		Continuous	linear	union	Link
Soot_Deposition_Auto	uint8		Continuous	linear	union	Link
DPF_Temp_Auto	uint8		Continuous	linear	union	Link
Soot_Deposition_Manual	uint8		Continuous	linear	union	Link
DPF_Temp_Manual	int16		Continuous	linear	union	Link
Break_Pedal	boolean			zoh	union	Link
Accelerator_Pedal	boolean			zoh	union	Link
Clutch_Pedal	boolean			zoh	union	Link
Crank_Angle	uint16		Continuous	linear	union	Link
Soot_Deposition_Service	uint8		Continuous	linear	union	Link
Nox_Sensor	uint16		Continuous	linear	union	Link
Scr_Temp_Sensor	uint16		Continuous	linear	union	Link
Adblue_Level	uint8		Continuous	linear	union	Link
Adblue_Quality	double		Continuous	linear	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Coolant_Temp	int16		Continuous	linear	union
Vehicle_Speed	uint8		Continuous	linear	union



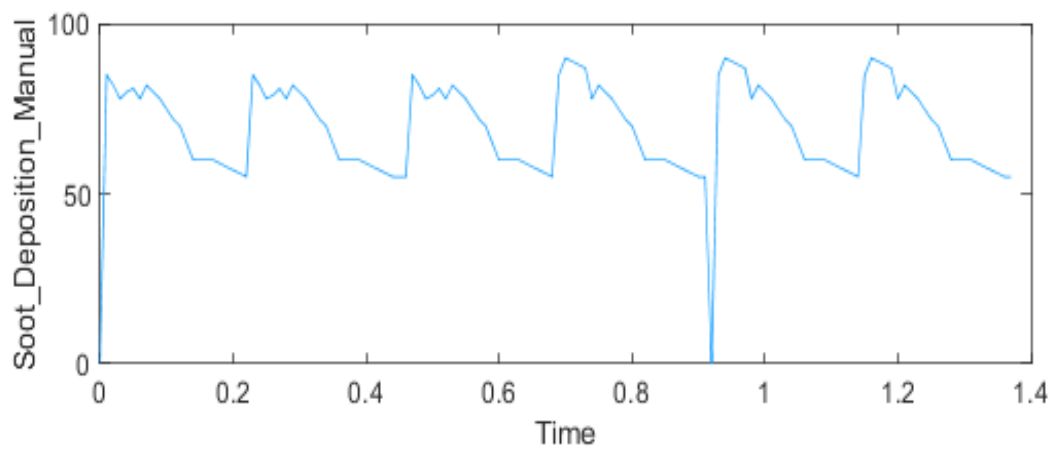
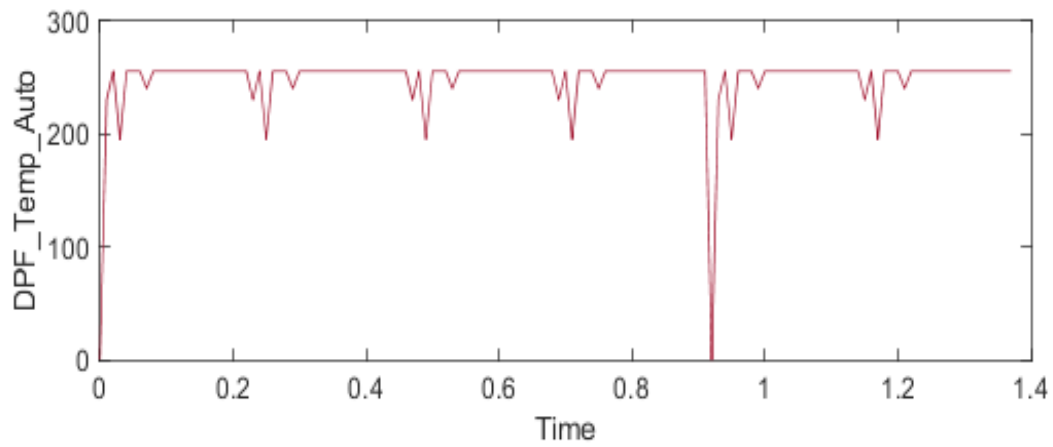
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Name	Data Type	Units	Sample Time	Interp	Sync
rpm	uint16		Continuous	linear	union
Soot_Deposition_Auto	uint8		Continuous	linear	union



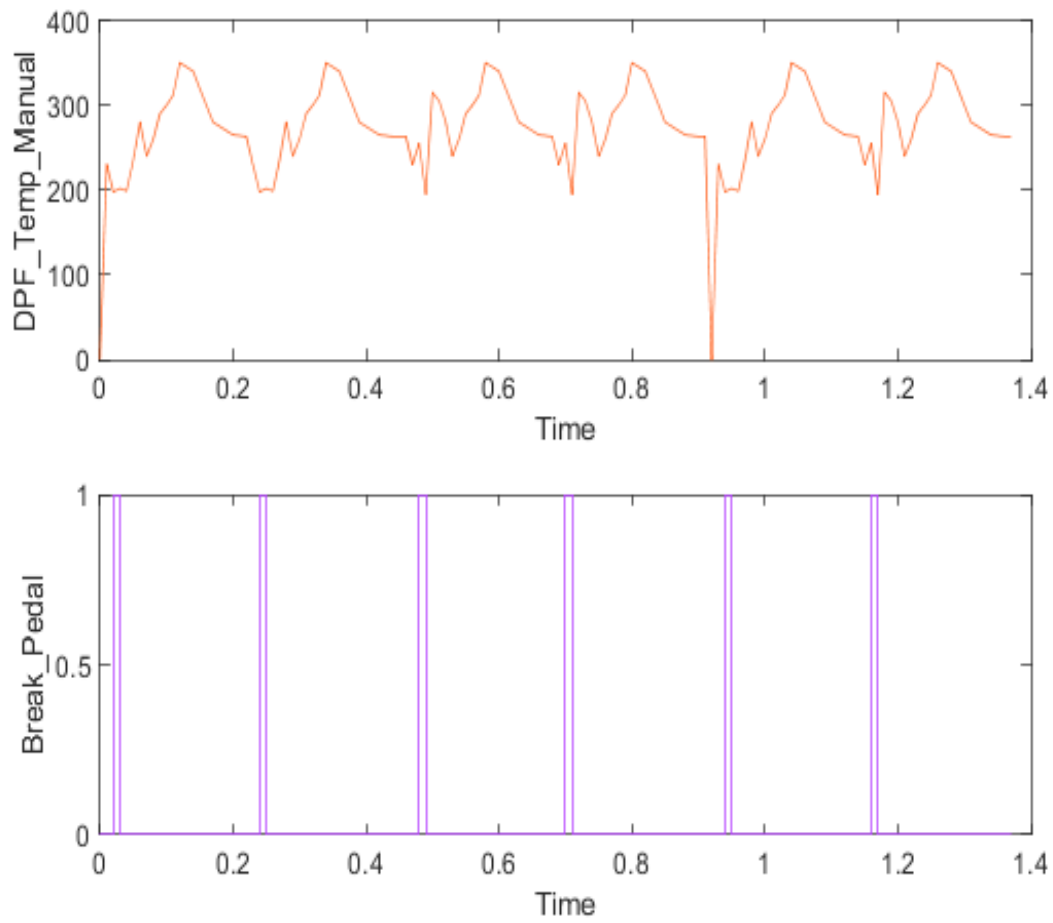
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Auto	uint8		Continuous	linear	union
Soot_Deposition_Manual	uint8		Continuous	linear	union



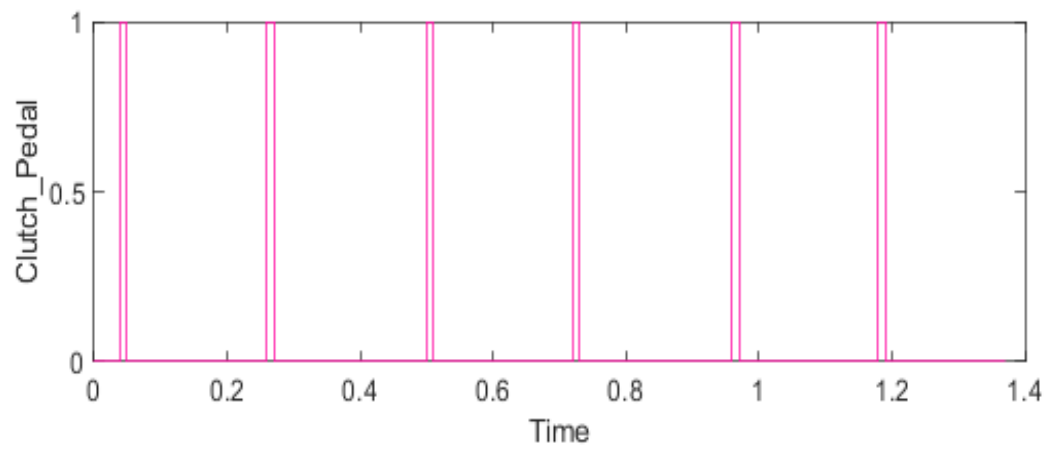
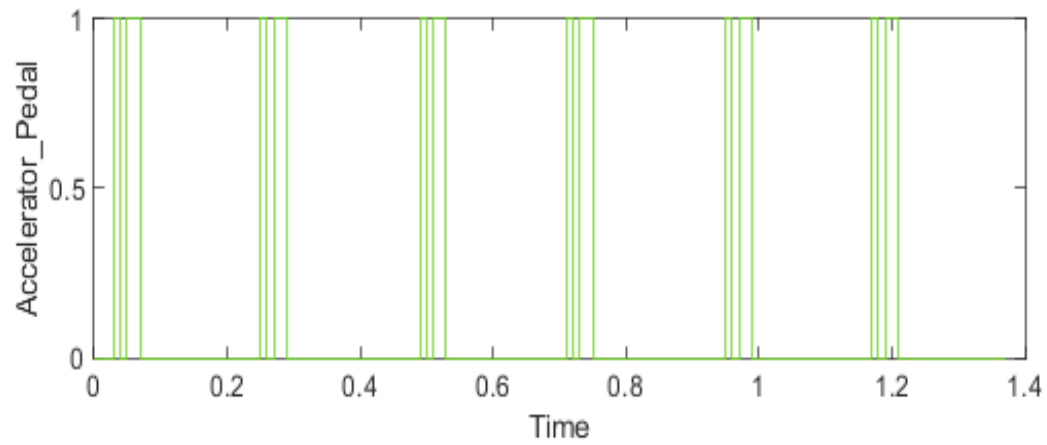
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Manual	int16		Continuous	linear	union
Break_Pedal	boolean			zoh	union



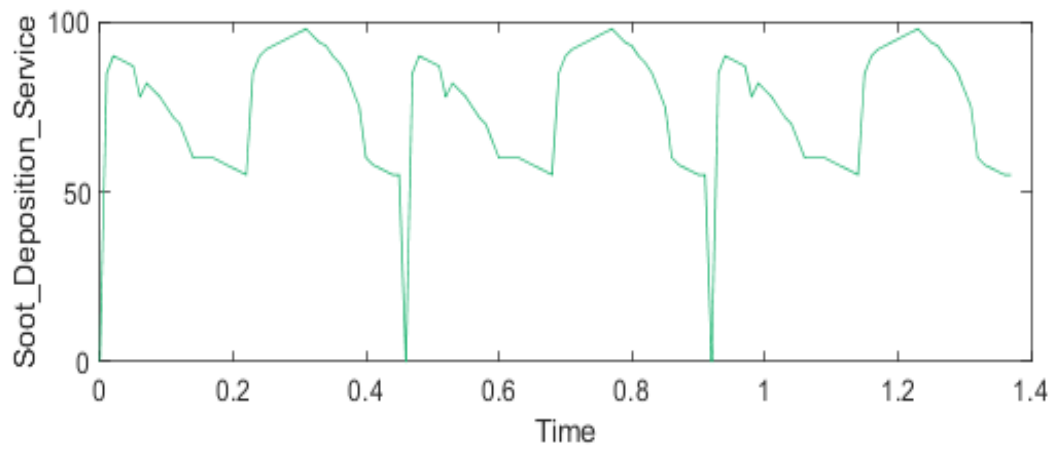
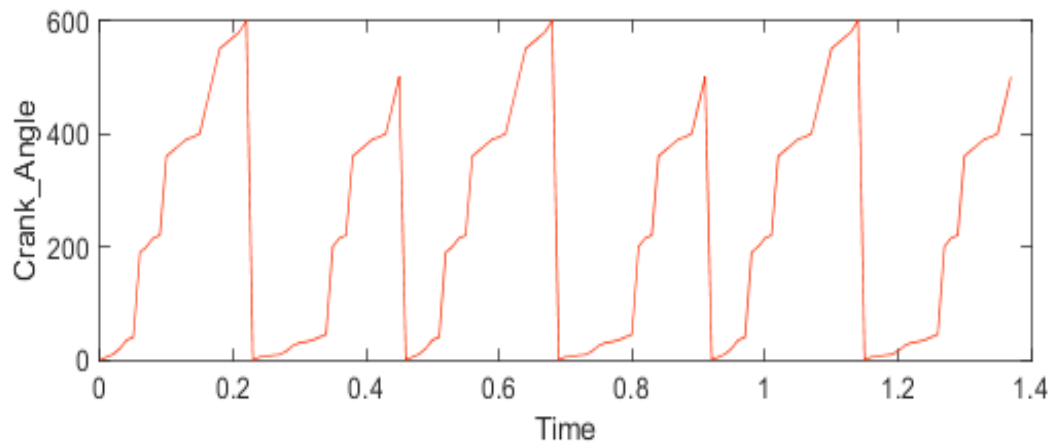
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Name	Data Type	Units	Sample Time	Interp	Sync
Accelerator_Pedal	boolean			zoh	union
Clutch_Pedal	boolean			zoh	union



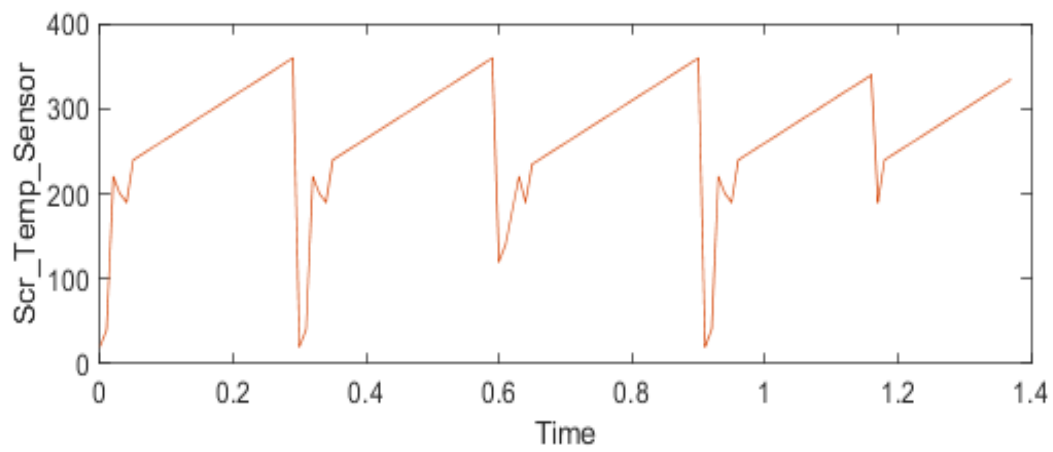
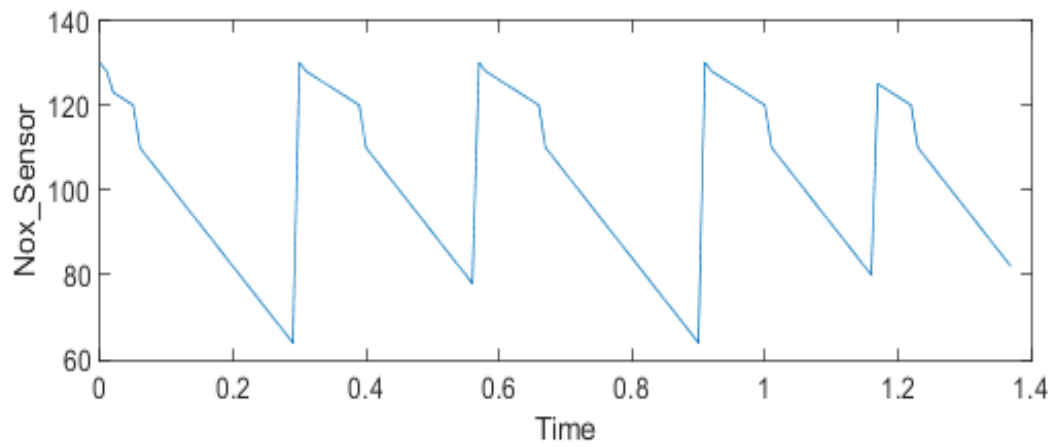
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Name	Data Type	Units	Sample Time	Interp	Sync
Crank_Angle	uint16		Continuous	linear	union
Soot_Deposition_Service	uint8		Continuous	linear	union



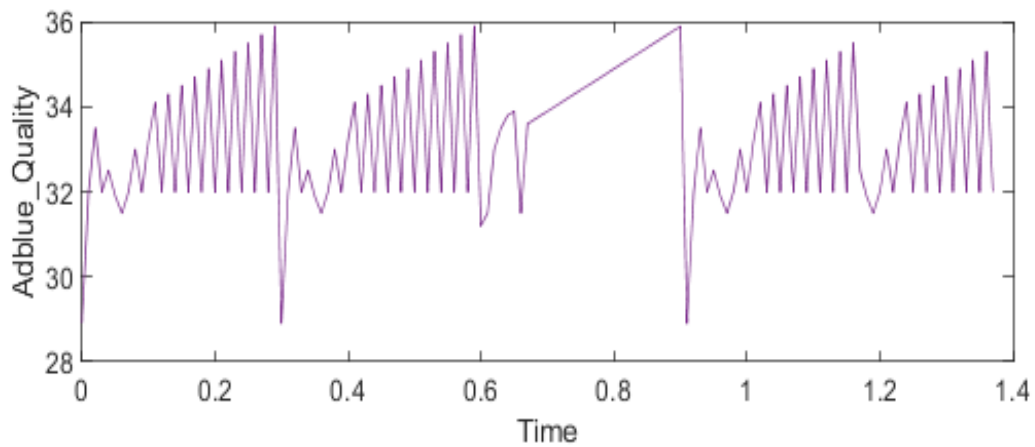
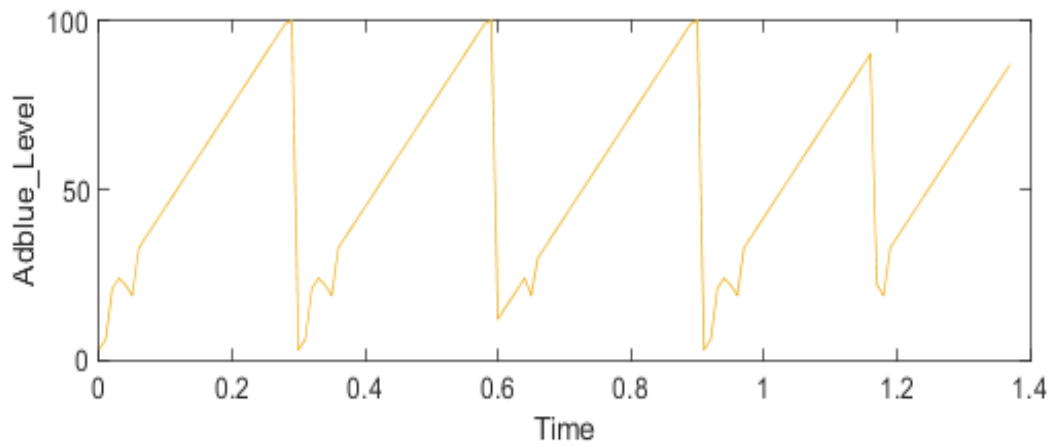
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Name	Data Type	Units	Sample Time	Interp	Sync
Nox_Sensor	uint16		Continuous	linear	union
Scr_Temp_Sensor	uint16		Continuous	linear	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Level	uint8		Continuous	linear	union
Adblue_Quality	double		Continuous	linear	union



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Simulation 1

System Under Test Information

Model:	Eas_Integrated
Harness:	Eas_Integrated_Harness
Harness Owner:	Eas_Integrated
Release:	Current
Simulation Mode:	normal

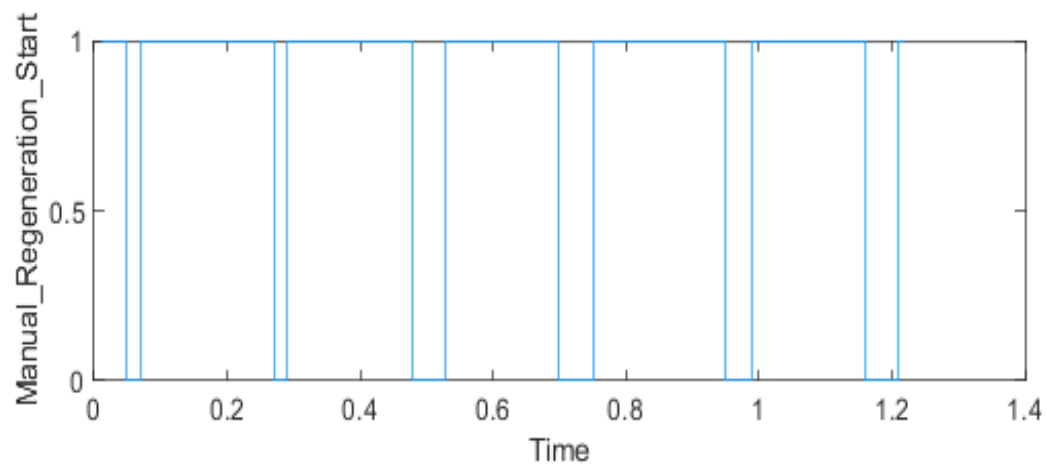
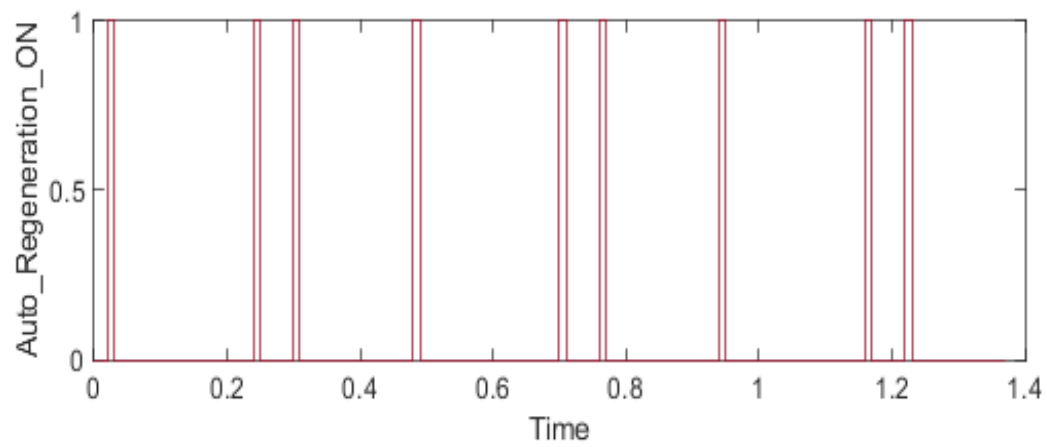
Override SIL or PIL 0
 Mode:
 Configuration Set: Configuration1
 External Input Name: Eas_Test11
 External Input File: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Functional_Test.xlsx
 Start Time: 0
 Stop Time: 1.3700000000000001
 Checksum: 918296074 10159789 653853210 1775591569
 Simulink Version: 10.3
 Model Version: 1.1
 Model Author: SOMNATH
 Date: Thu Aug 04 14:26:32 2022
 User ID: SOMNATH
 Model Path: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Integrated_Harness.slx
 Machine Name: DESKTOP-10VJ470
 Solver Name: FixedStepDiscrete
 Solver Type: Fixed-Step
 Fixed Step Size: 0.01
 Simulation Start Time: 2022-08-04 14:51:12
 Simulation Stop Time: 2022-08-04 14:51:13
 Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Press_Regeneration_Button	boolean		0.01	zoh	union	Link

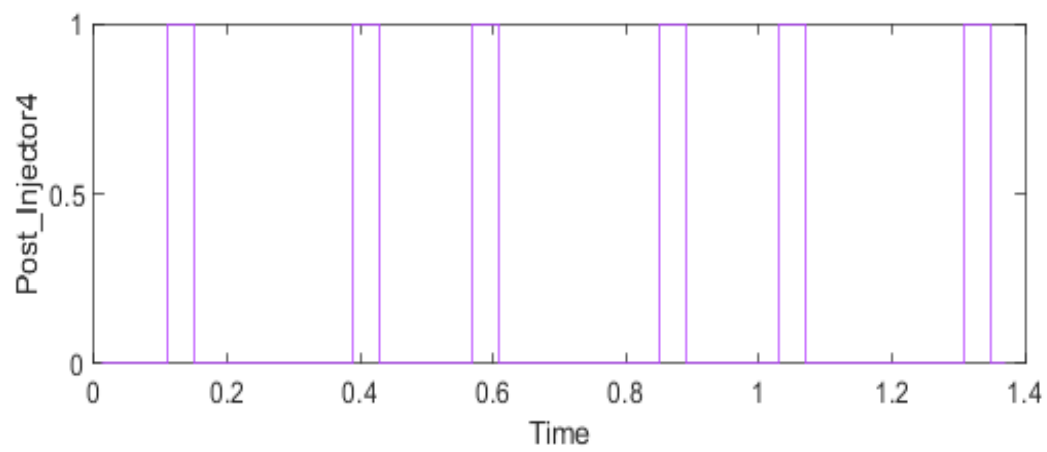
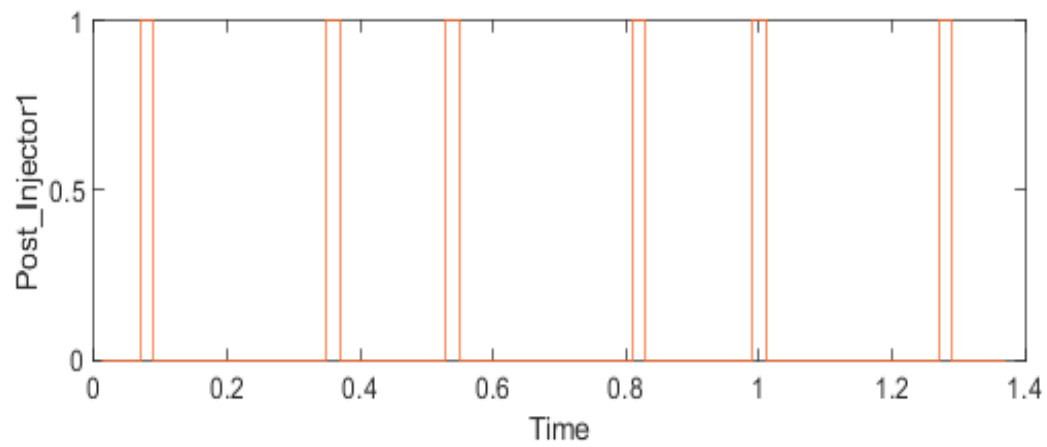
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link
Press_Regeneration_Button	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Manual_Regeneration_Start	boolean		0.01	zoh	union



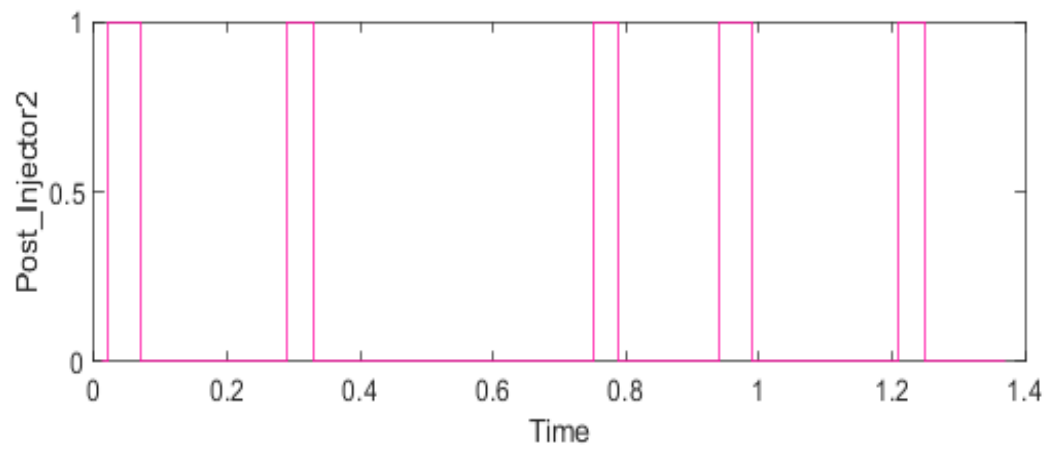
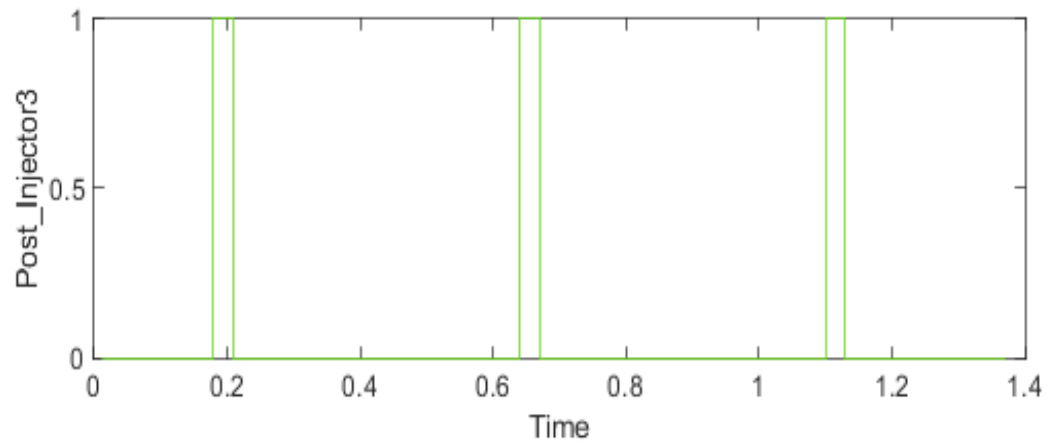
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



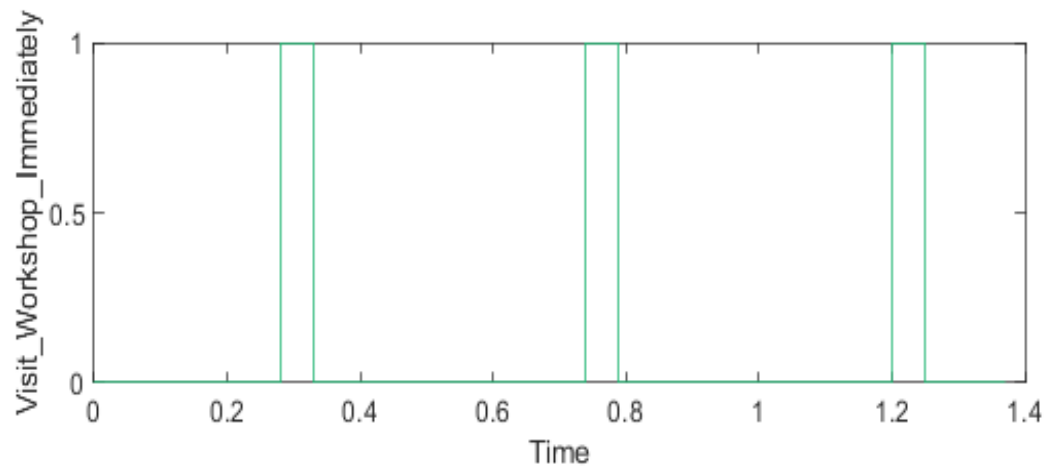
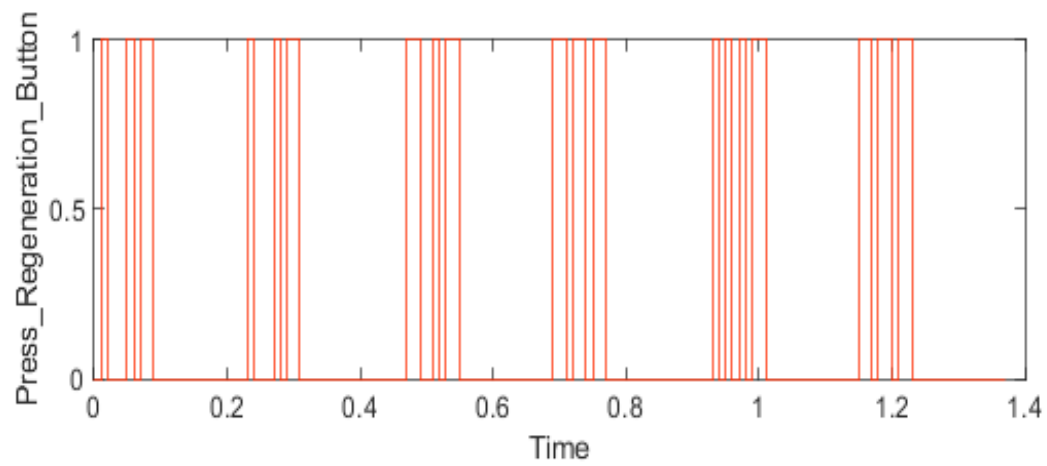
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



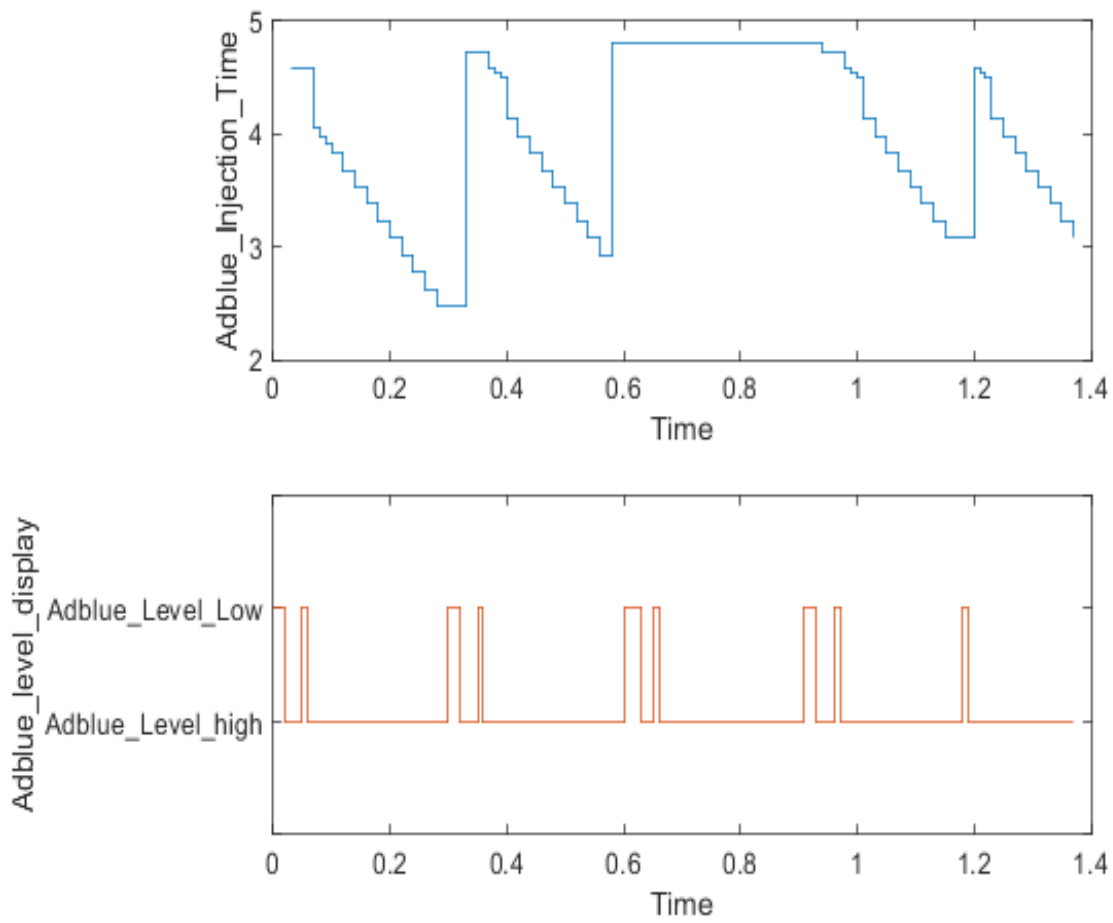
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Name	Data Type	Units	Sample Time	Interp	Sync
Press_Regeneration_Button	boolean		0.01	zoh	union
Visit_Workshop_Immediately	boolean		0.01	zoh	union



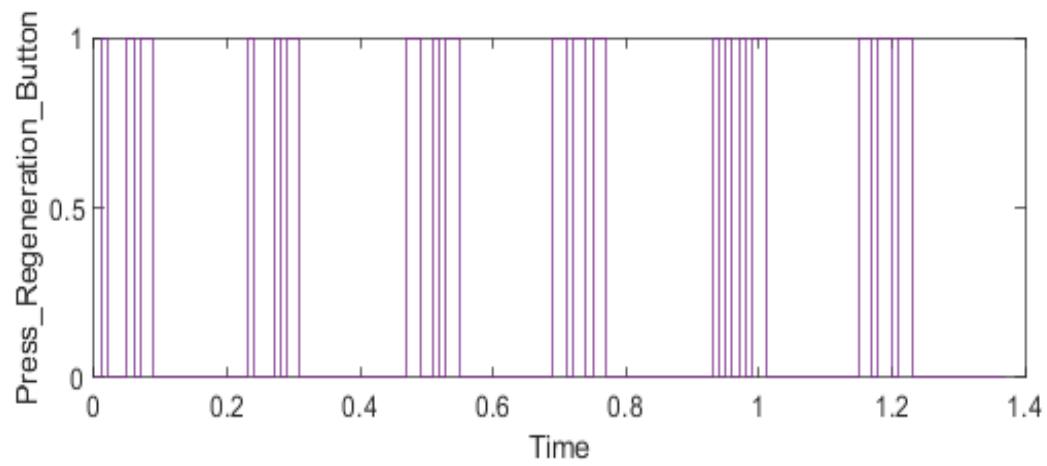
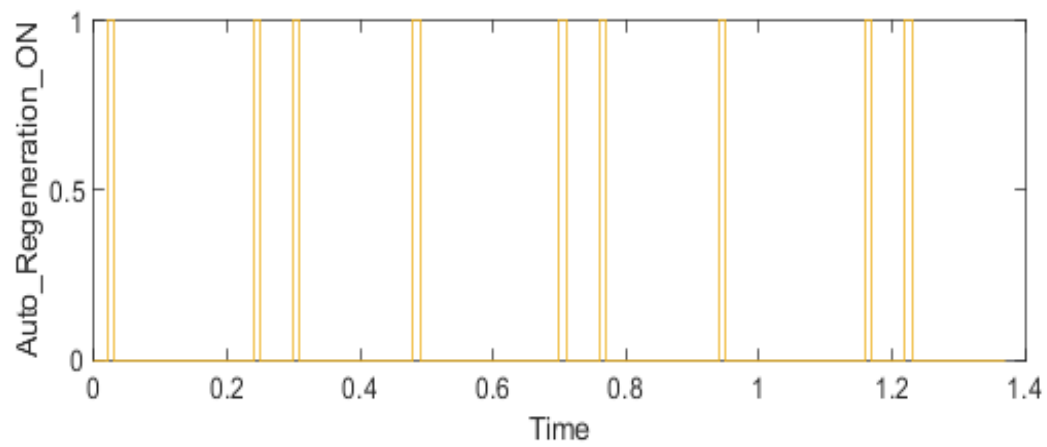
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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_displacement	adblue_capacity		0.01	zoh	union



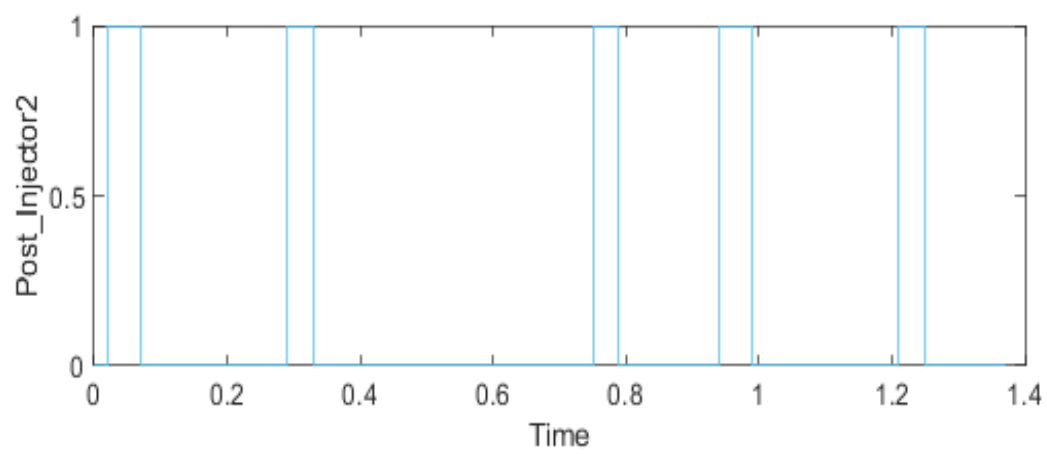
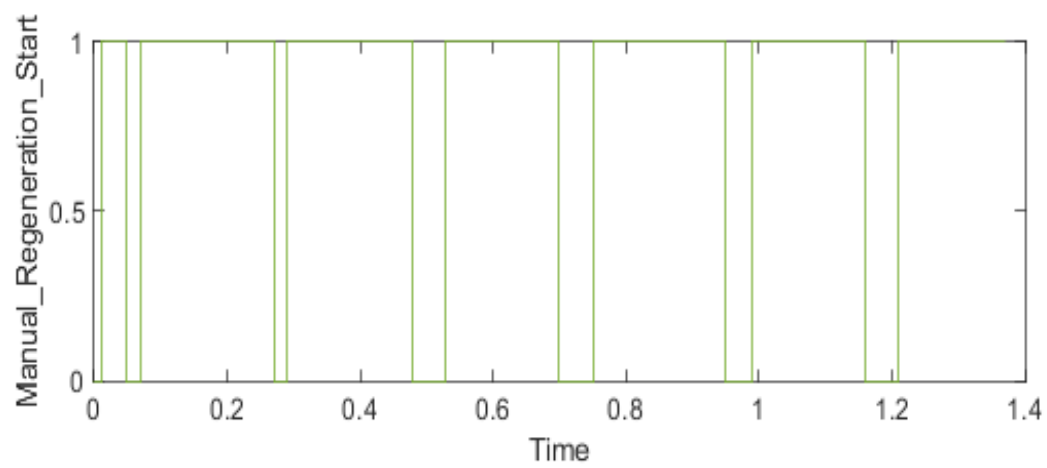
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Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Press_Regeneration_Button	boolean		0.01	zoh	union



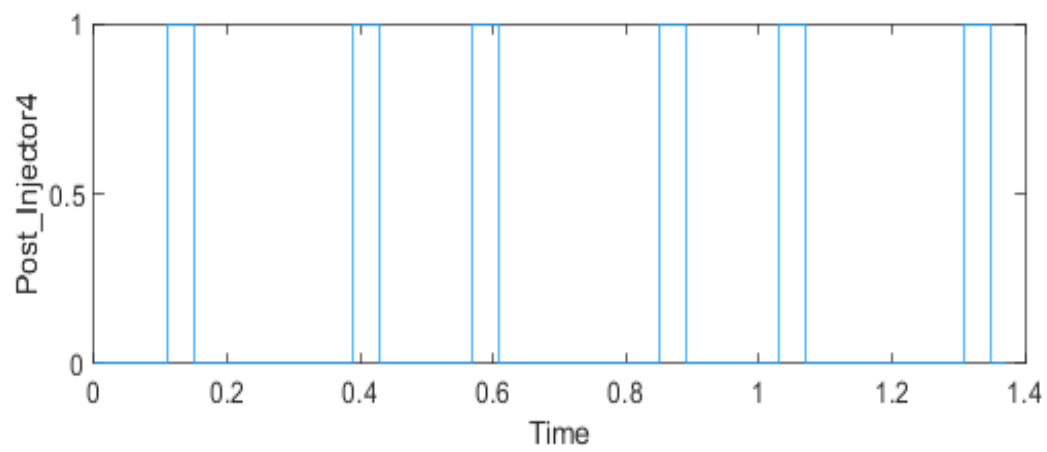
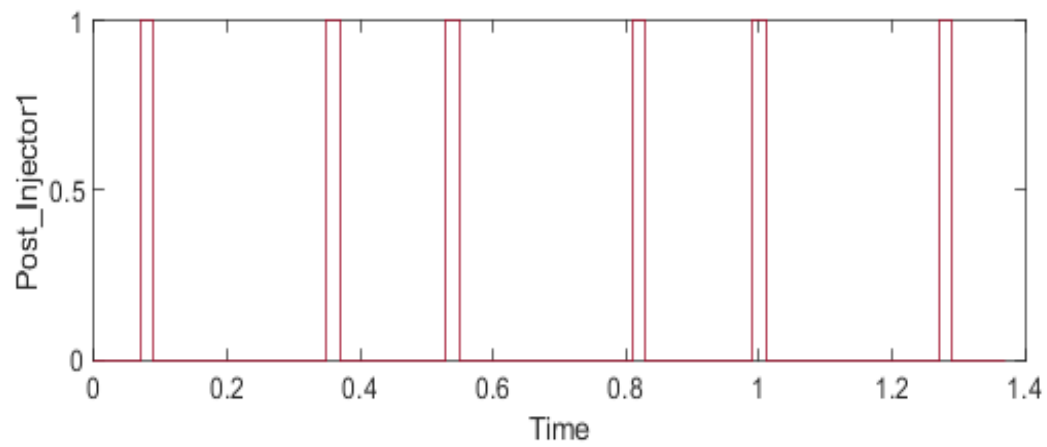
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Name	Data Type	Units	Sample Time	Interp	Sync
Manual_Regeneration_Start	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



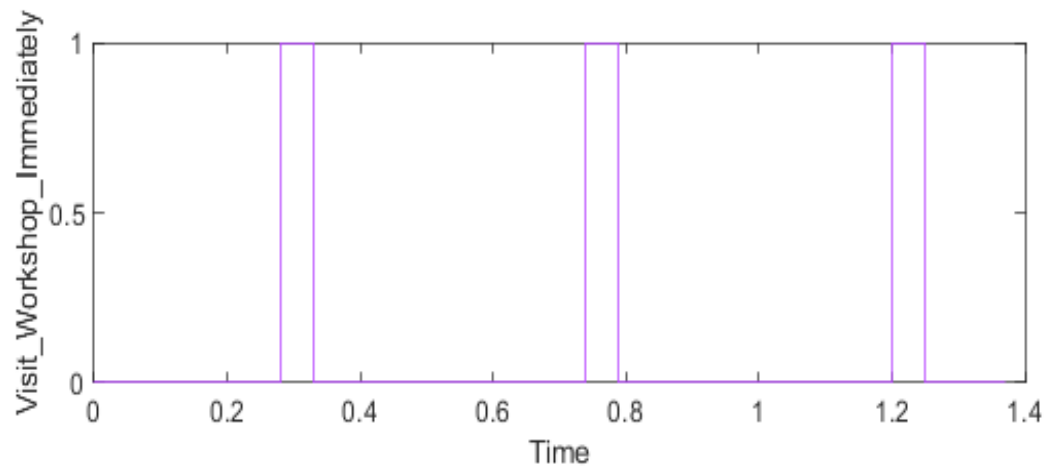
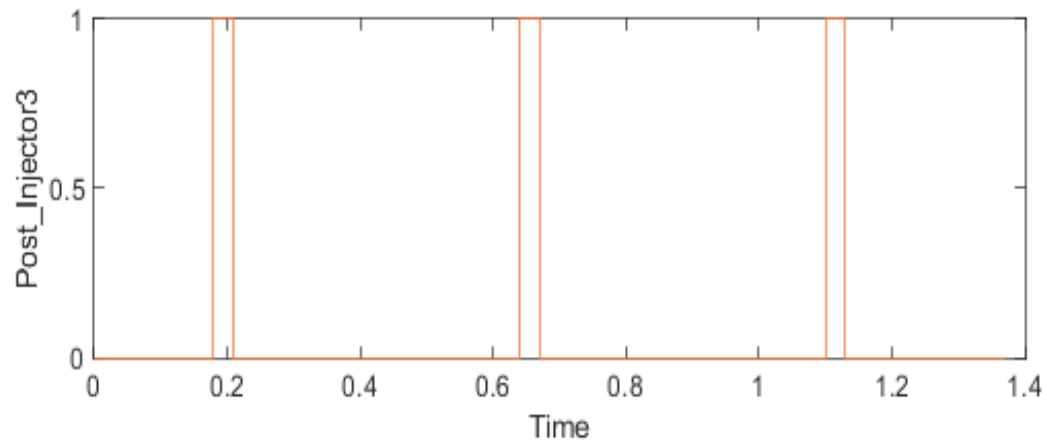
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



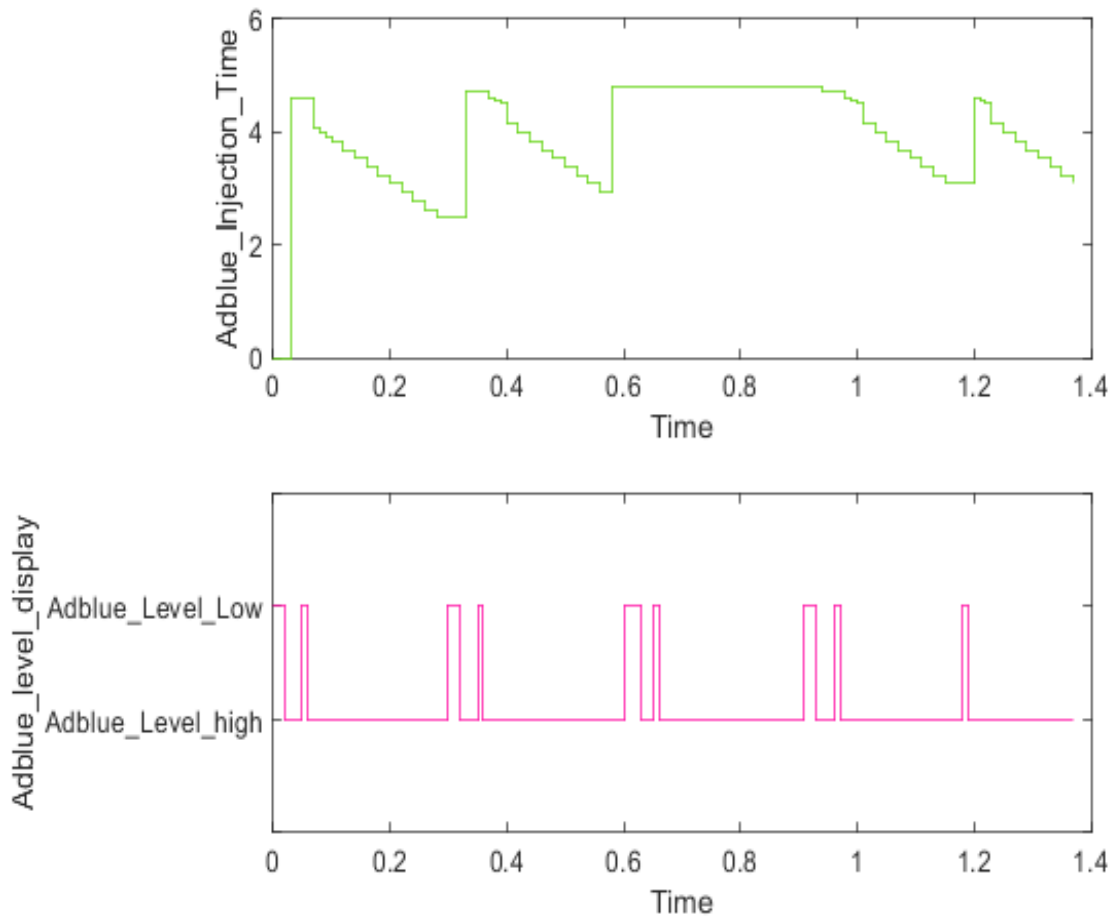
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Visit_Workshop_Im mediately	boolean		0.01	zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_display	adblue_capacity		0.01	zoh	union



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Simulation Logs:

Simulation stopped at '1.3700000000000001' because there is no input data after this time point.

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Simulation 2

System Under Test Information

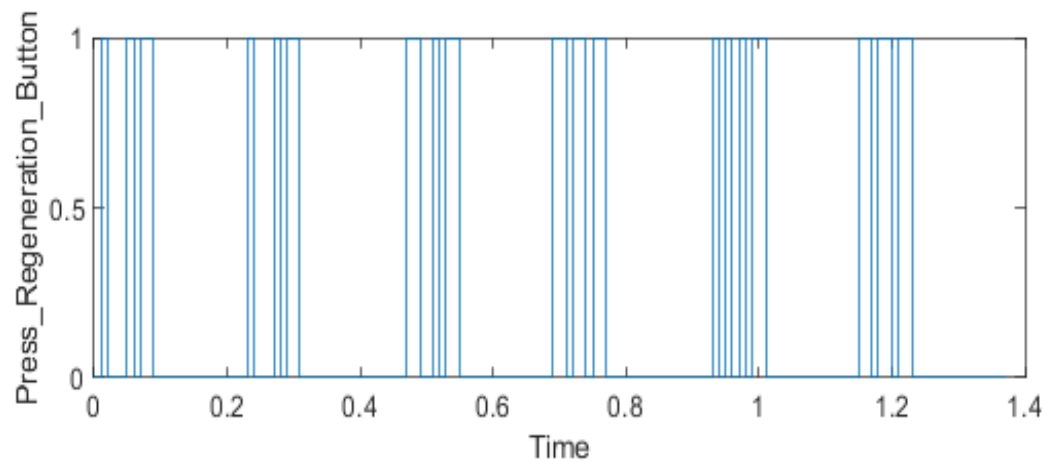
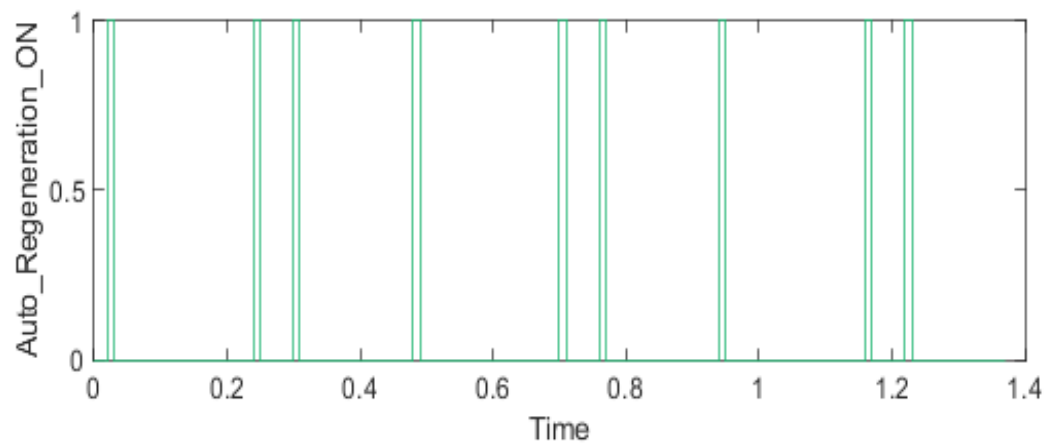
Model: Eas_Integrated
Harness: Eas_Integrated_Harness
Harness Owner: Eas_Integrated
Release: Current
Simulation Mode: software-in-the-loop (sil)
Override SIL or PIL Mode: 0
Configuration Set: Configuration1
External Input Name: Eas_Test11
External Input File: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Functional_Test.xlsx
Start Time: 0
Stop Time: 1.3700000000000001
Checksum: 2506699116 3018685255 1210127201 3153507947
Simulink Version: 10.3
Model Version: 1.1
Model Author: SOMNATH
Date: Thu Aug 04 14:26:32 2022
User ID: SOMNATH
Model Path: E:\Matlab\Project\Eas_24072022-20220726T170959Z-001\Eas_24072022\Eas_Integrated_Harness.slx
Machine Name: DESKTOP-10VJ470
Solver Name: FixedStepDiscrete
Solver Type: Fixed-Step
Fixed Step Size: 0.01
Simulation Start Time: 2022-08-04 14:51:15
Simulation Stop Time: 2022-08-04 14:52:37
Platform: PCWIN64

Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link

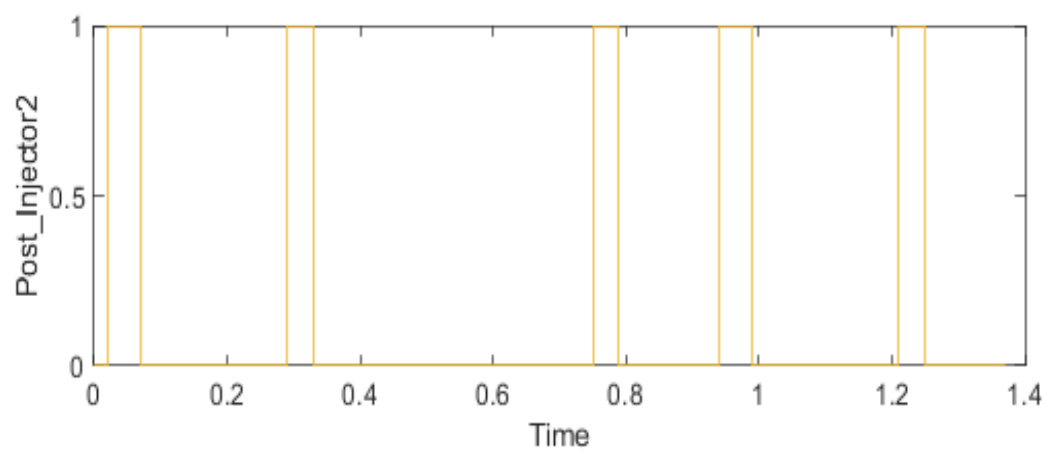
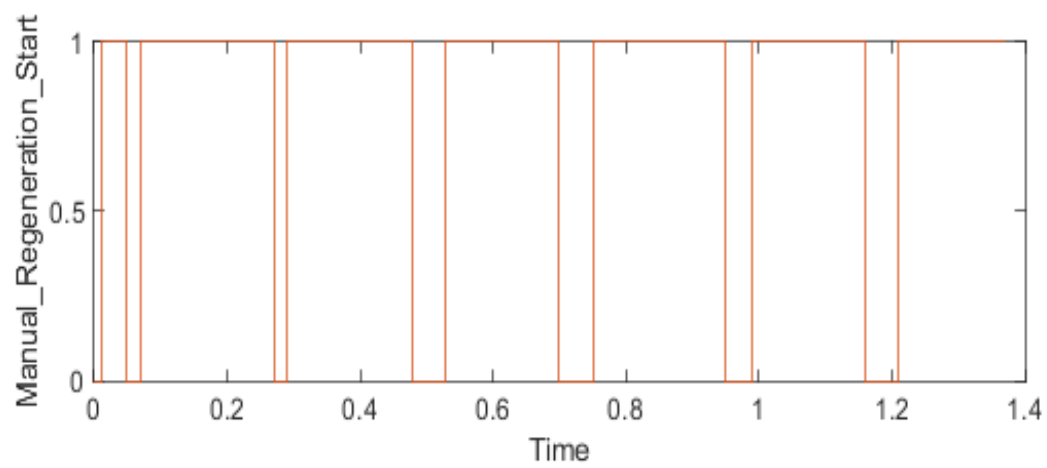
Press_Regeneration_Button	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link
Auto_Regeneration_ON	boolean		0.01	zoh	union	Link
Press_Regeneration_Button	boolean		0.01	zoh	union	Link
Manual_Regeneration_Start	boolean		0.01	zoh	union	Link
Post_Injector2	boolean		0.01	zoh	union	Link
Post_Injector1	boolean		0.01	zoh	union	Link
Post_Injector4	boolean		0.01	zoh	union	Link
Post_Injector3	boolean		0.01	zoh	union	Link
Visit_Workshop_Immediately	boolean		0.01	zoh	union	Link
Adblue_Injection_Time	double		0.01	zoh	union	Link
Adblue_level_display	adblue_capacity		0.01	zoh	union	Link

Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Press_Regeneration_Button	boolean		0.01	zoh	union



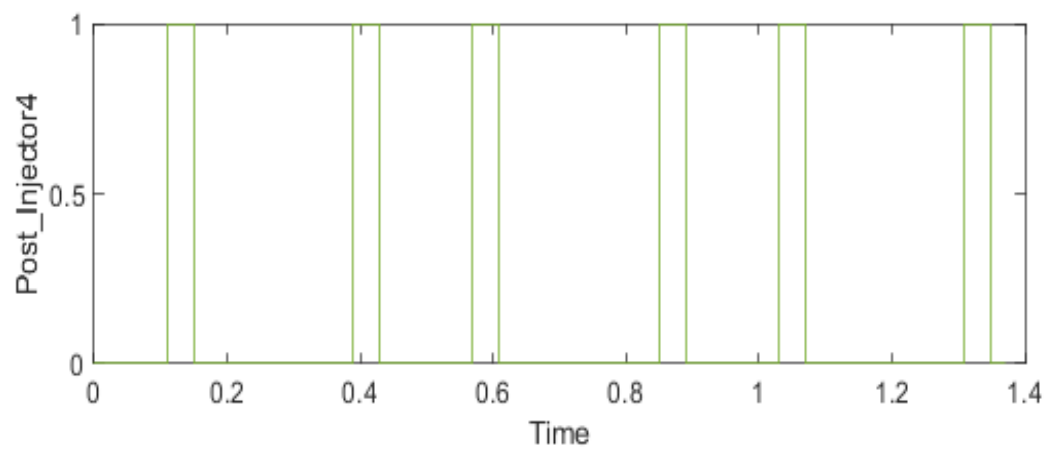
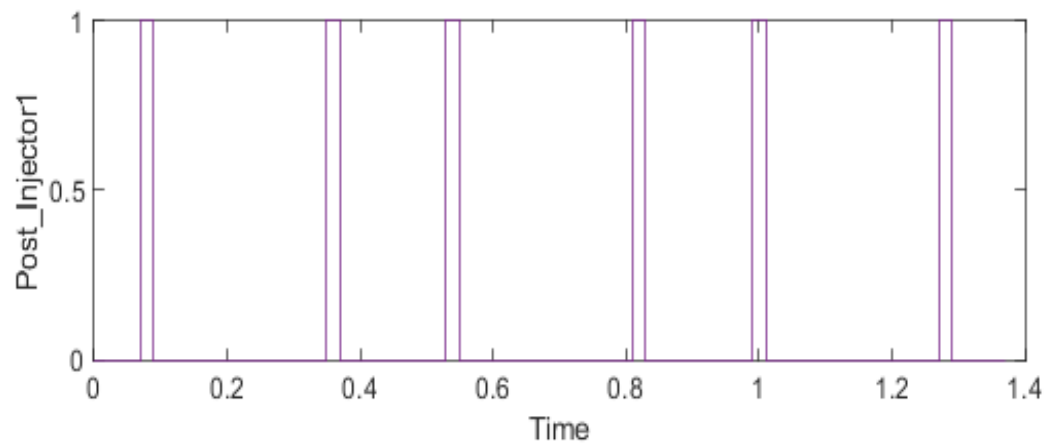
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Name	Data Type	Units	Sample Time	Interp	Sync
Manual_Regeneration_Start	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



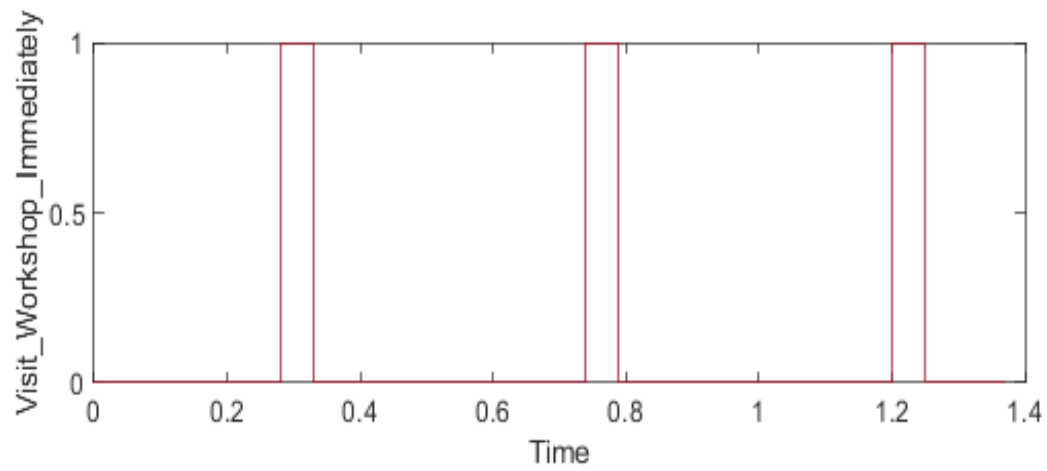
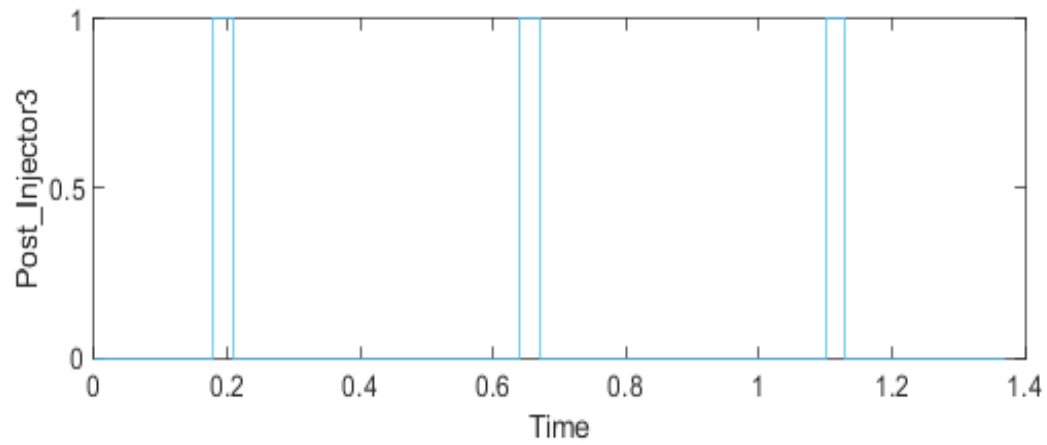
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



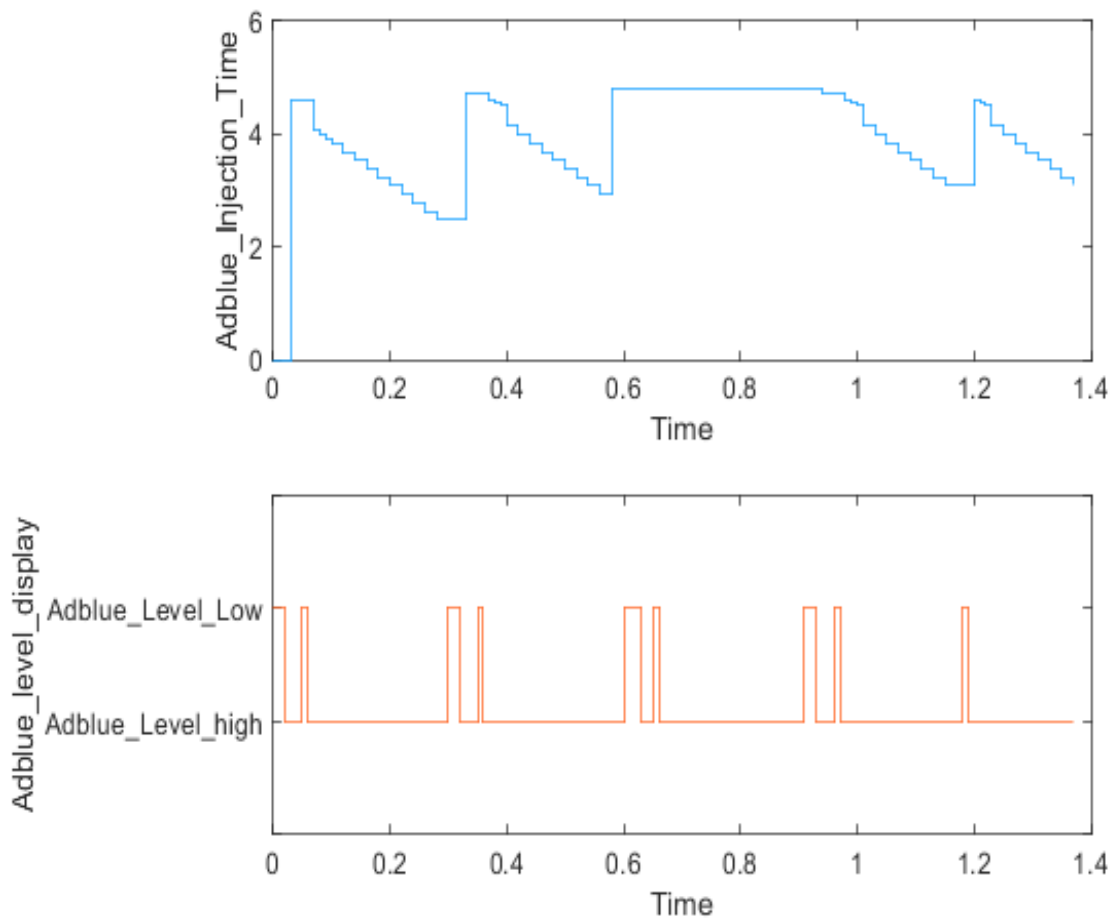
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Visit_Workshop_Im mediately	boolean		0.01	zoh	union



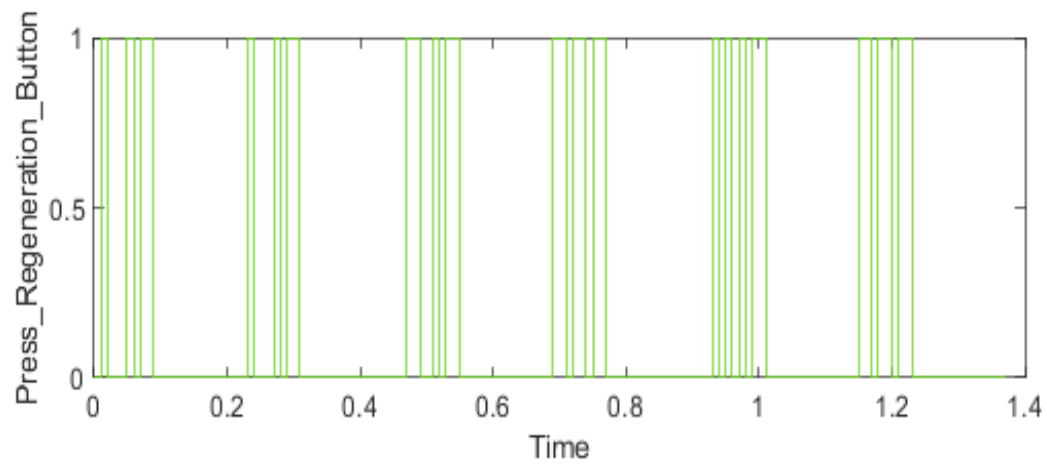
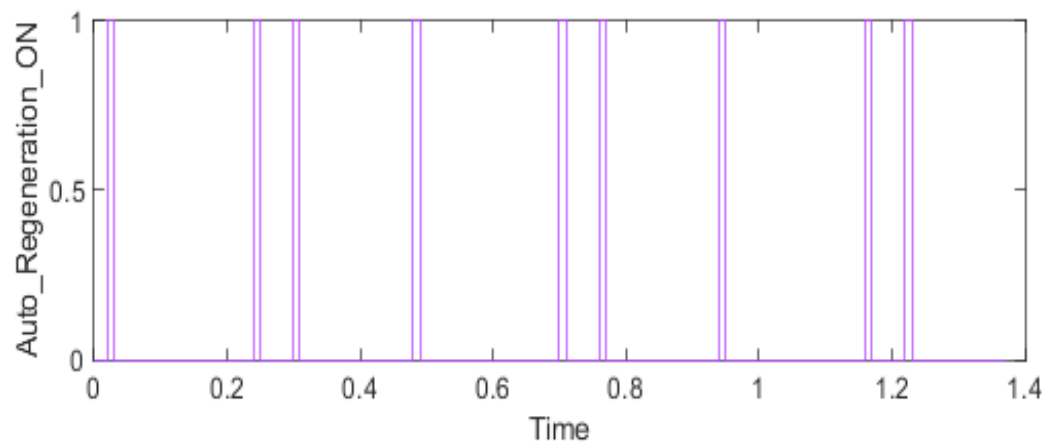
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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_display	adblue_capacity		0.01	zoh	union



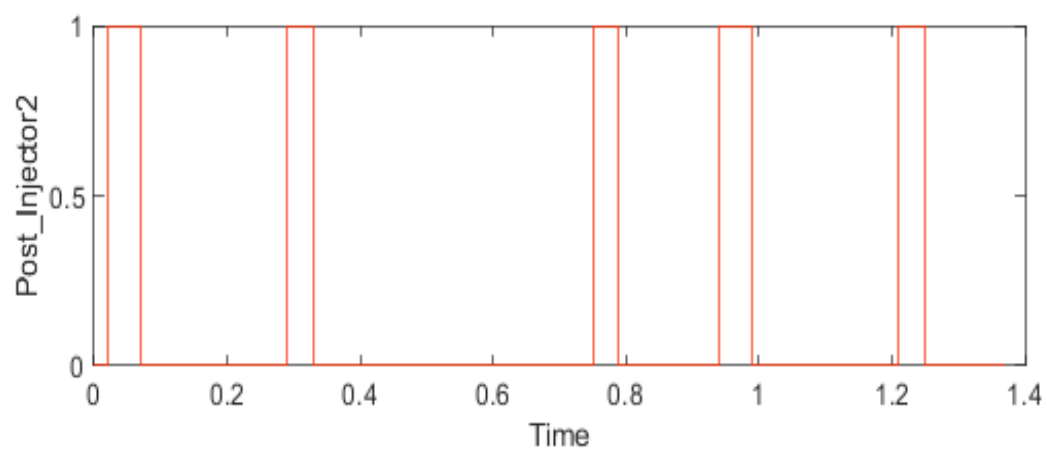
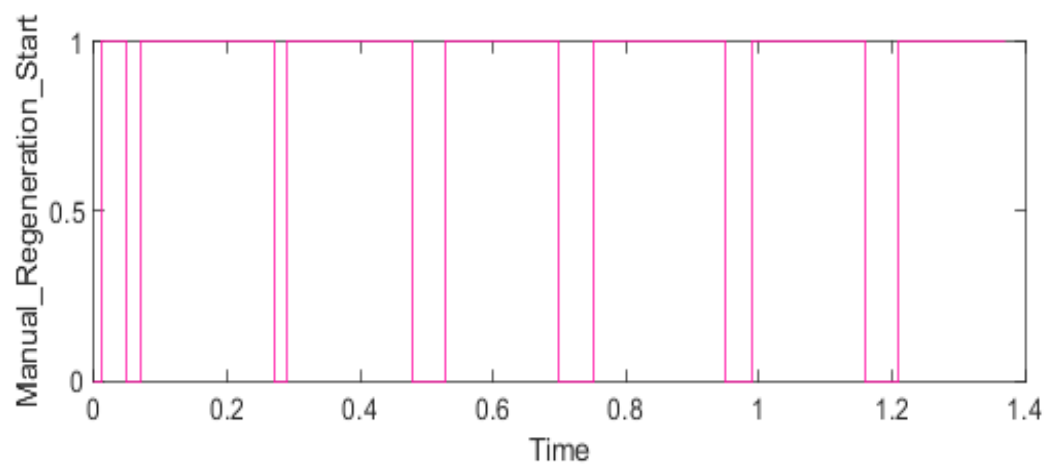
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Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Press_Regeneration_Button	boolean		0.01	zoh	union



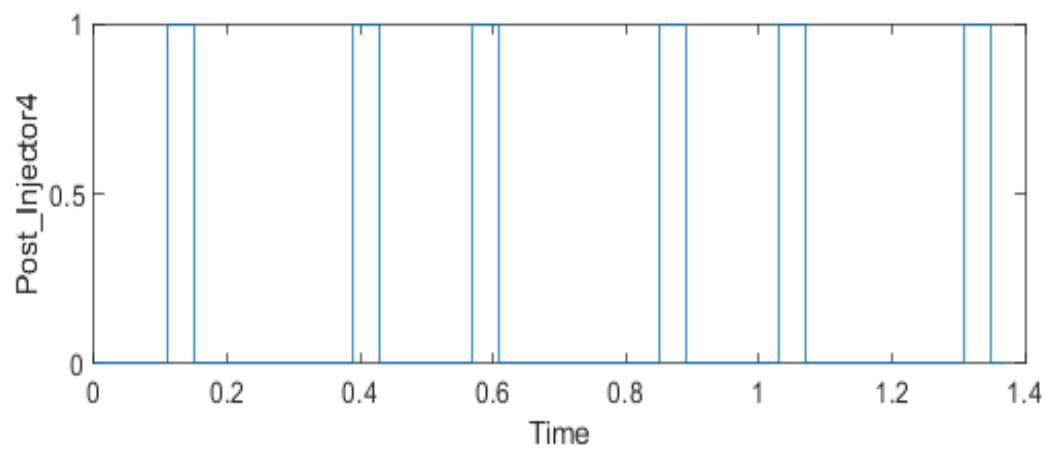
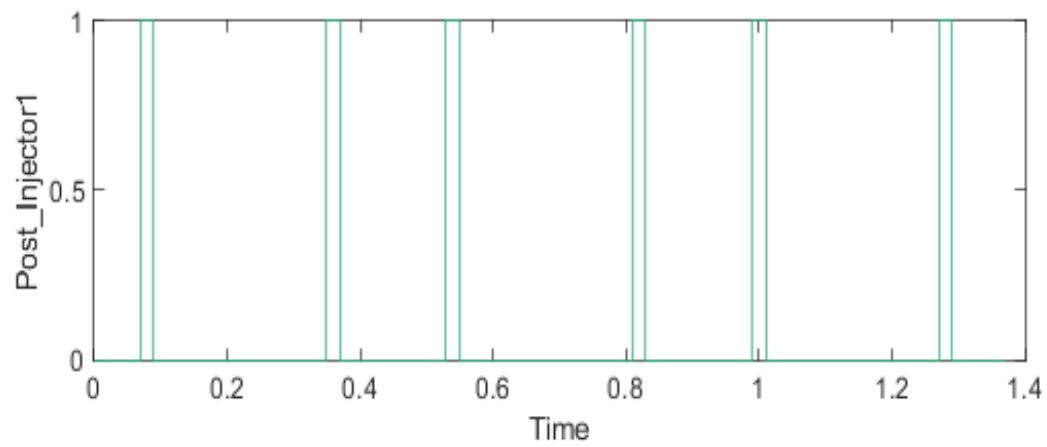
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Name	Data Type	Units	Sample Time	Interp	Sync
Manual_Regeneration_Start	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



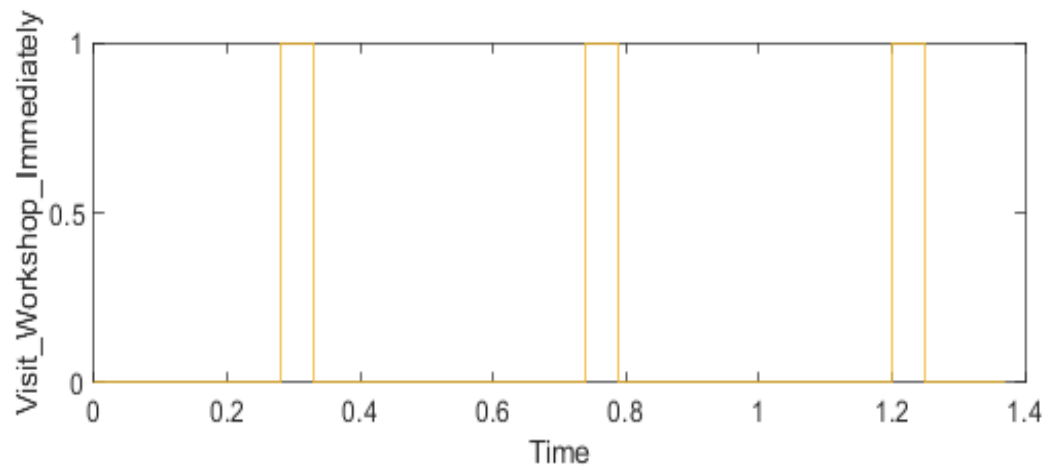
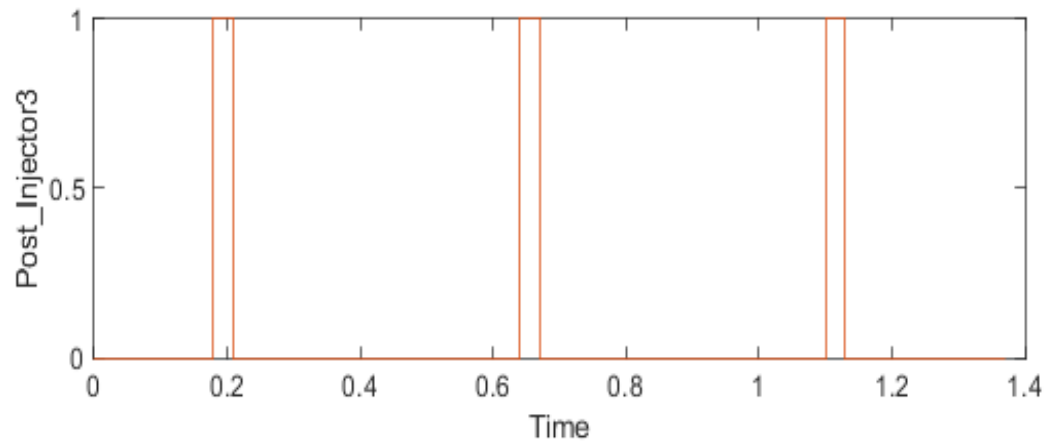
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



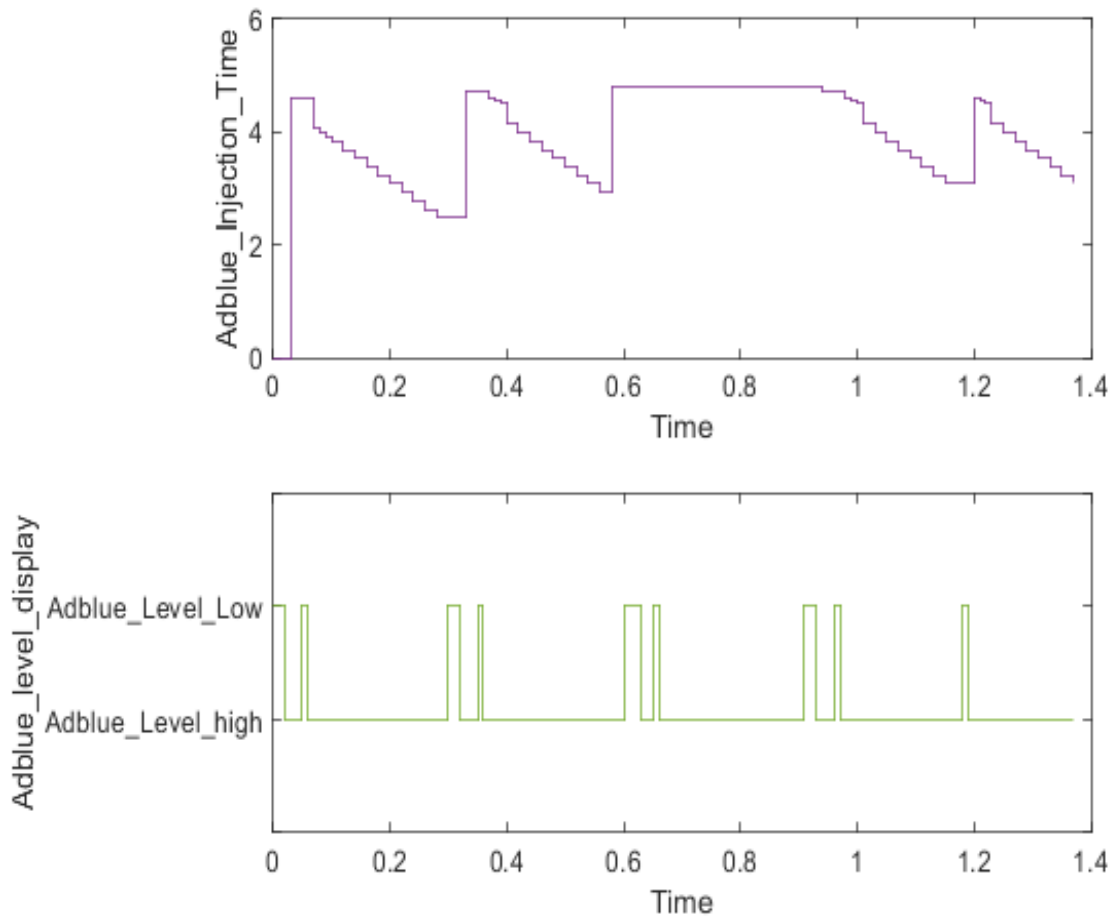
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Visit_Workshop_Im mediately	boolean		0.01	zoh	union



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Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_display	adblue_capacity		0.01	zoh	union



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Simulation Logs:

Simulation stopped at '1.3700000000000001' because there is no input data after this time point.

Insufficient space for computing symbol names in model '[Eas Integrated](#)'. The maximum identifier length '31' does not provide sufficient space to make symbol names unique using the symbol format string in 'Subsystem

methods'. This is required when using model reference. Consider increasing the maximum identifier length. To eliminate this message enter the command
`set_param('Eas_Integrated', 'ModelReferenceSymbolNameMessage', 'none')`
at the MATLAB prompt.

Insufficient space for computing symbol names in model '[Eas_Integrated](#)'. The maximum identifier length '31' does not provide sufficient space to make symbol names unique using the symbol format string in 'Global types'. This is required when using model reference. Consider increasing the maximum identifier length. To eliminate this message enter the command
`set_param('Eas_Integrated', 'ModelReferenceSymbolNameMessage', 'none')`
at the MATLAB prompt.

The model Web view is not generated during simulation. When simulation is finished, use the following command to regenerate the report.
`rtw.report.generate('Eas_Integrated')`

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