


# Report Generated by Test Manager

**Title:** MIL\_Test  
**Author:** Navnath Sabale  
**Date:** 04-Aug-2022 14:40:33

## Test Environment

Platform: PCWIN64  
MATLAB: (R2021a)

## Summary

Name	Outcome	Duration (Seconds)
<a href="#">Results: 2022-Aug-04 14:39:16</a>	✓	6.722
 <a href="#">Eas_Test</a>	✓	6.723
 <a href="#">MIL</a>	✓	6.723
 <a href="#">Functional Test</a>	✓	6.725

## Results: 2022-Aug-04 14:39:16

Result Type: Result Set  
Parent: None  
Start Time: 04-Aug-2022 14:39:23  
End Time: 04-Aug-2022 14:39:30  
Outcome: Total: 1, Passed: 1

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## Eas\_Test

### Test Result Information

Result Type: Test File Result  
Parent: [Results: 2022-Aug-04 14:39:16](#)  
Start Time: 04-Aug-2022 14:39:23  
End Time: 04-Aug-2022 14:39:30  
Outcome: Total: 1, Passed: 1

### 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 14:39:23  
End Time: 04-Aug-2022 14:39:30  
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 14:39:23  
End Time: 04-Aug-2022 14:39:30  
Outcome: **Passed**

### Test Case Information

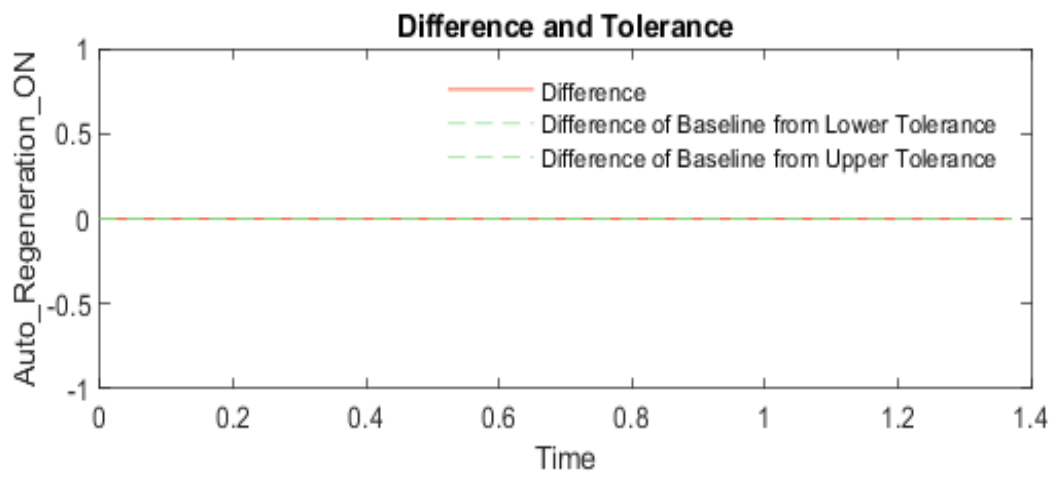
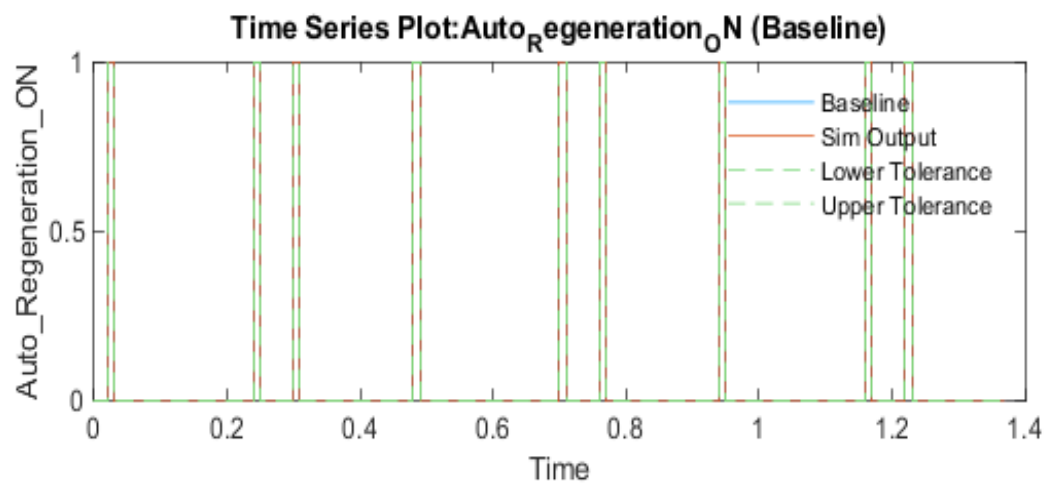
Name: Functional\_Test  
Type: Baseline Test  
Baseline Name: Eas\_Test11  
Baseline File: E:\Matlab\Project\Eas\_24072022-20220726T17095  
9Z-001\Eas\_24072022\Eas\_Functional\_Test.xlsx

### 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	<a href="#">Link</a>
✓ Manual_Regeneration_Start	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>
✓ Post_Injector2	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>
✓ Post_Injector1	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>
✓ Post_Injector4	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>
✓ Post_Injector3	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>
✓ Press_Regeneration_Button	0	0	0	0	0	boolean			boolean		0.01	zoh	union	<a href="#">Link</a>

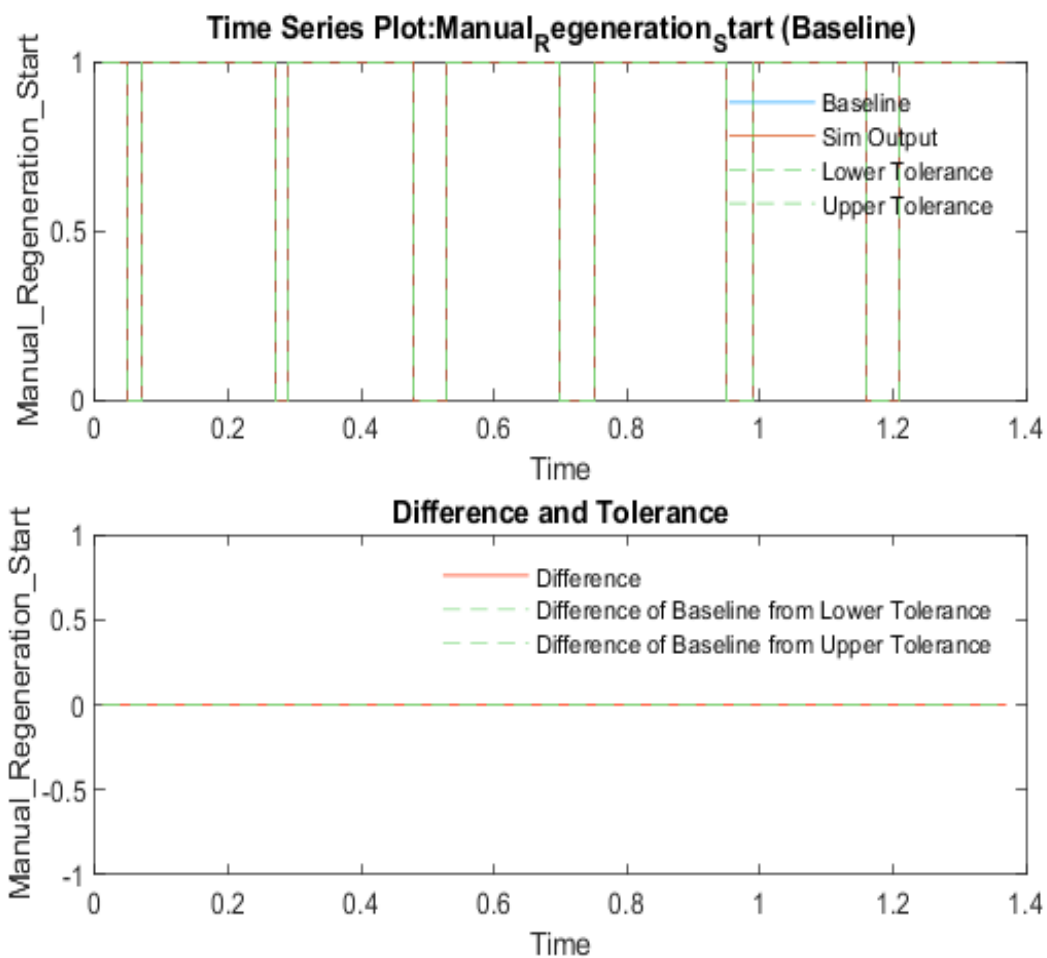
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Adblue_Injection_Time	0	0	0	0	0	double		double	0.01	zoh	union	<a href="#">Link</a>
✔ Adblue_level_display	0	0	0	0	0	adblue_capacity		adblue_capacity	0.01	zoh	union	<a href="#">Link</a>
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Press_Regeneration_Button	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Manual_Regeneration_Start	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Post_Injector2	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Post_Injector1	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Post_Injector4	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Post_Injector3	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean		boolean	0.01	zoh	union	<a href="#">Link</a>
✔ Adblue_Injection_Time	0	0	0	0	0	double		double	0.01	zoh	union	<a href="#">Link</a>
✔ Adblue_level_display	0	0	0	0	0	adblue_capacity		adblue_capacity	0.01	zoh	union	<a href="#">Link</a>

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



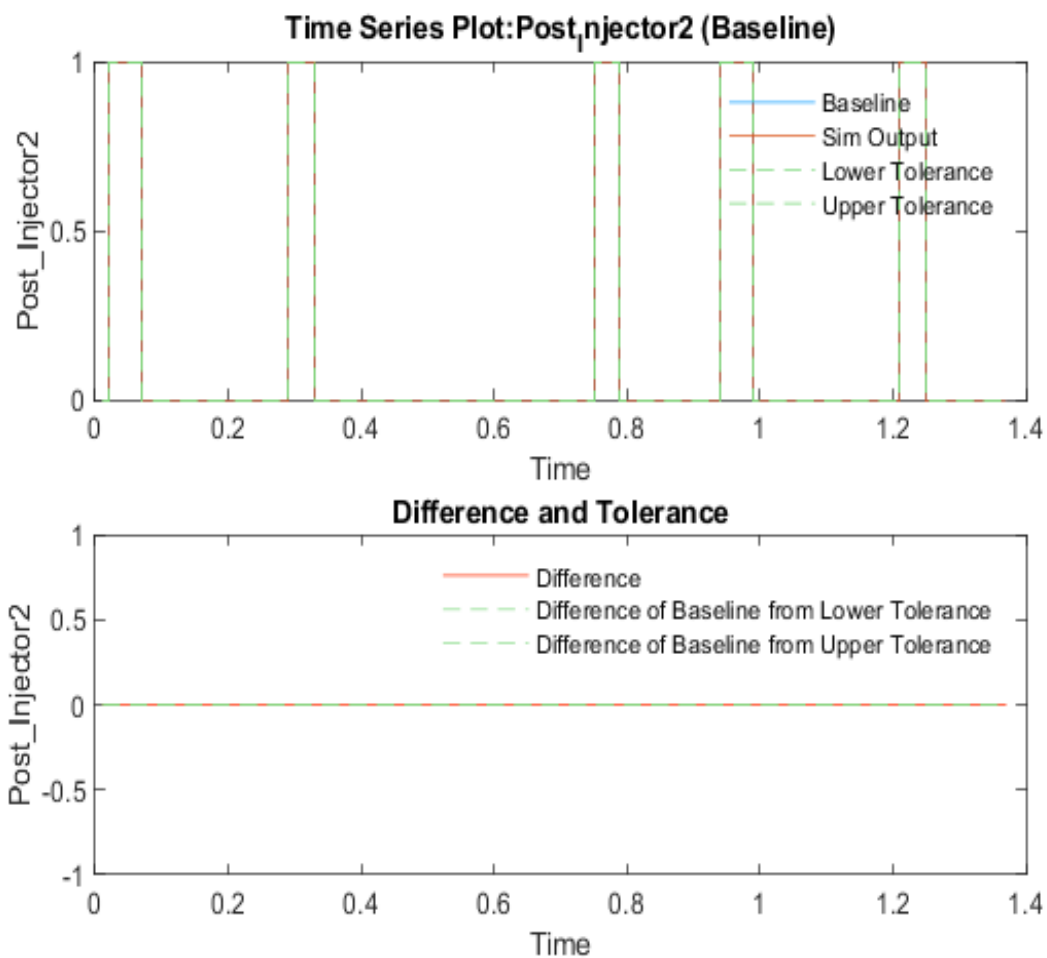
[Back to Report Summary](#)[Back to Criteria Results](#)

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



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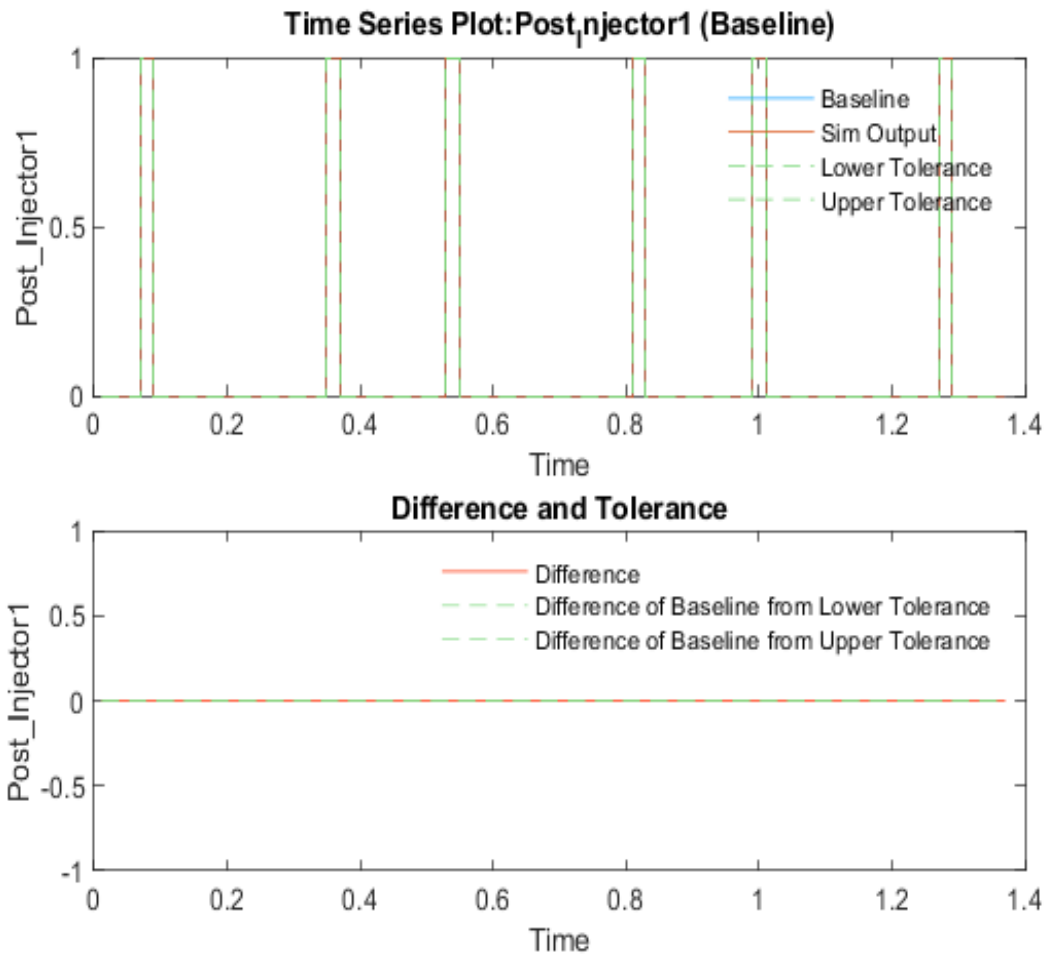
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector2	0	0	0	0	0	boolean			boolean		0.01	zoh	union



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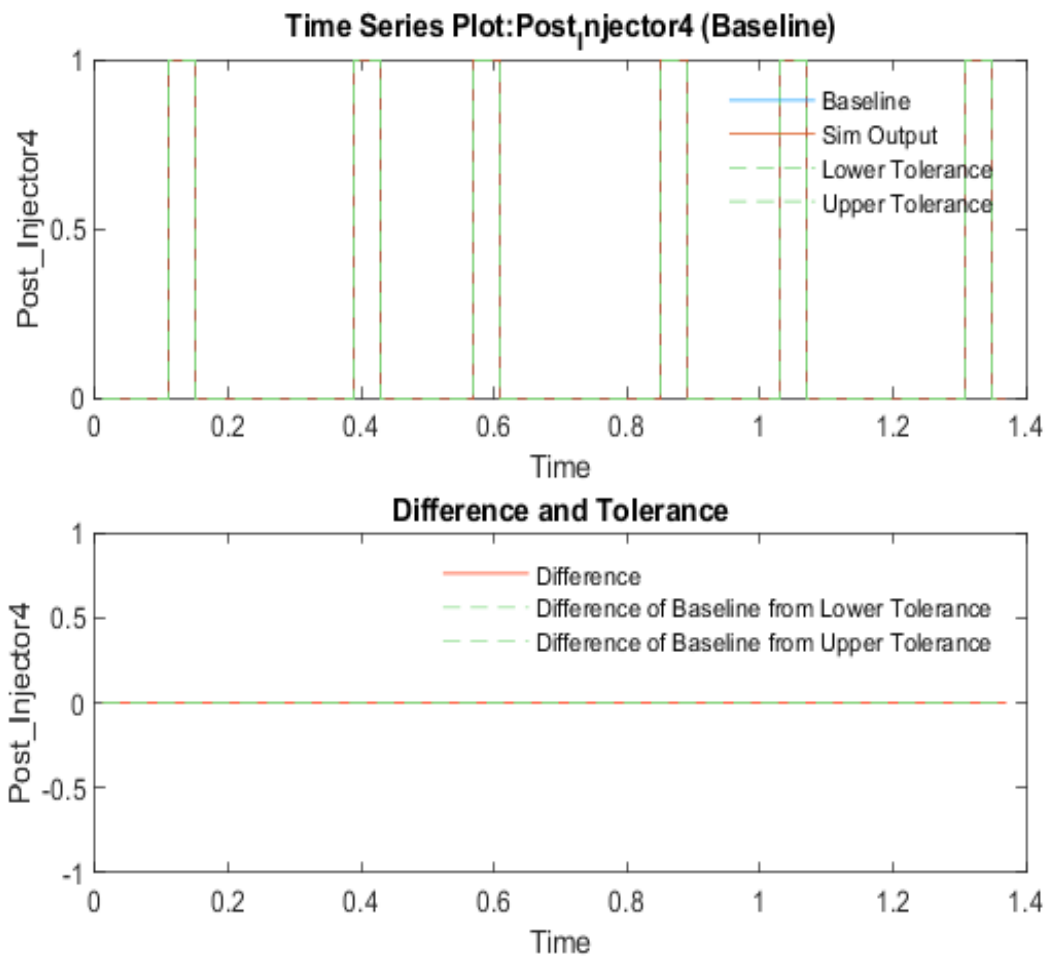
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Post_Injector1	0	0	0	0	0	boolean			boolean		0.01	zoh	union





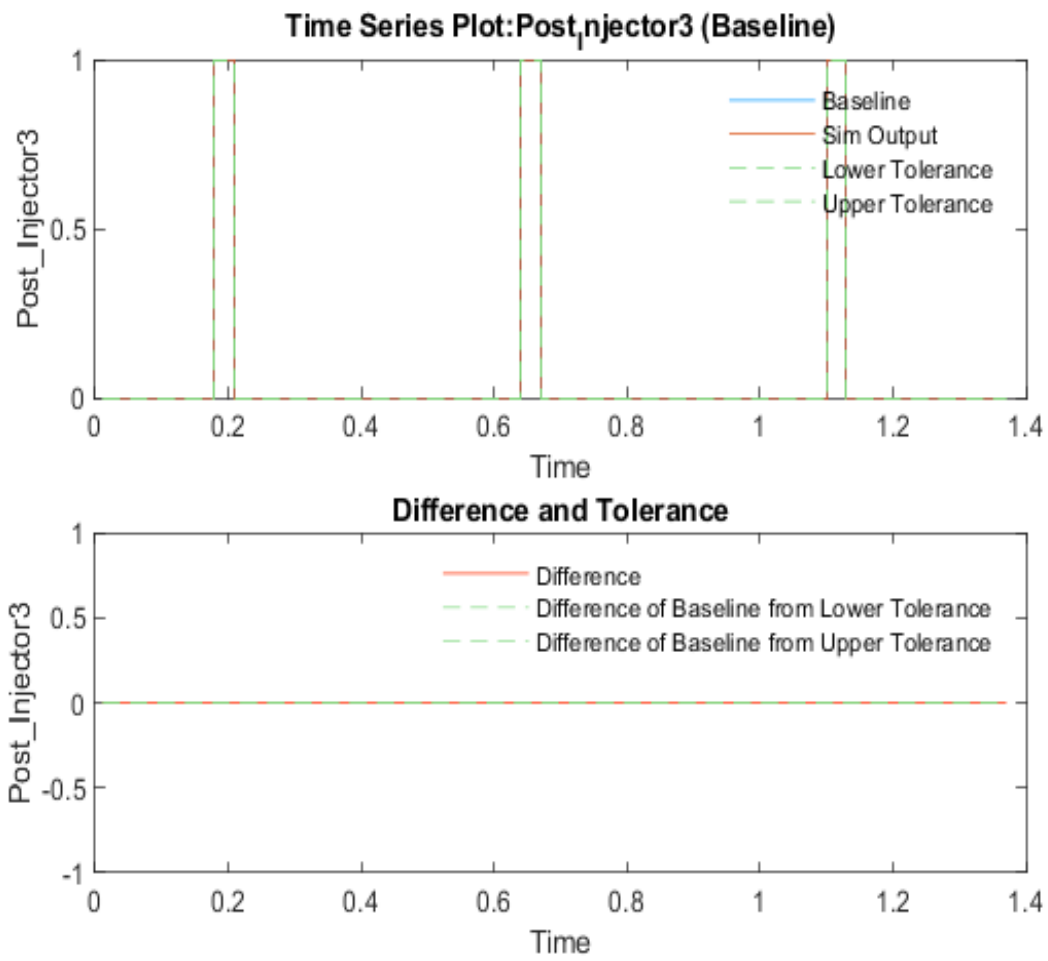
[Back to Report Summary](#)[Back to Criteria Results](#)

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



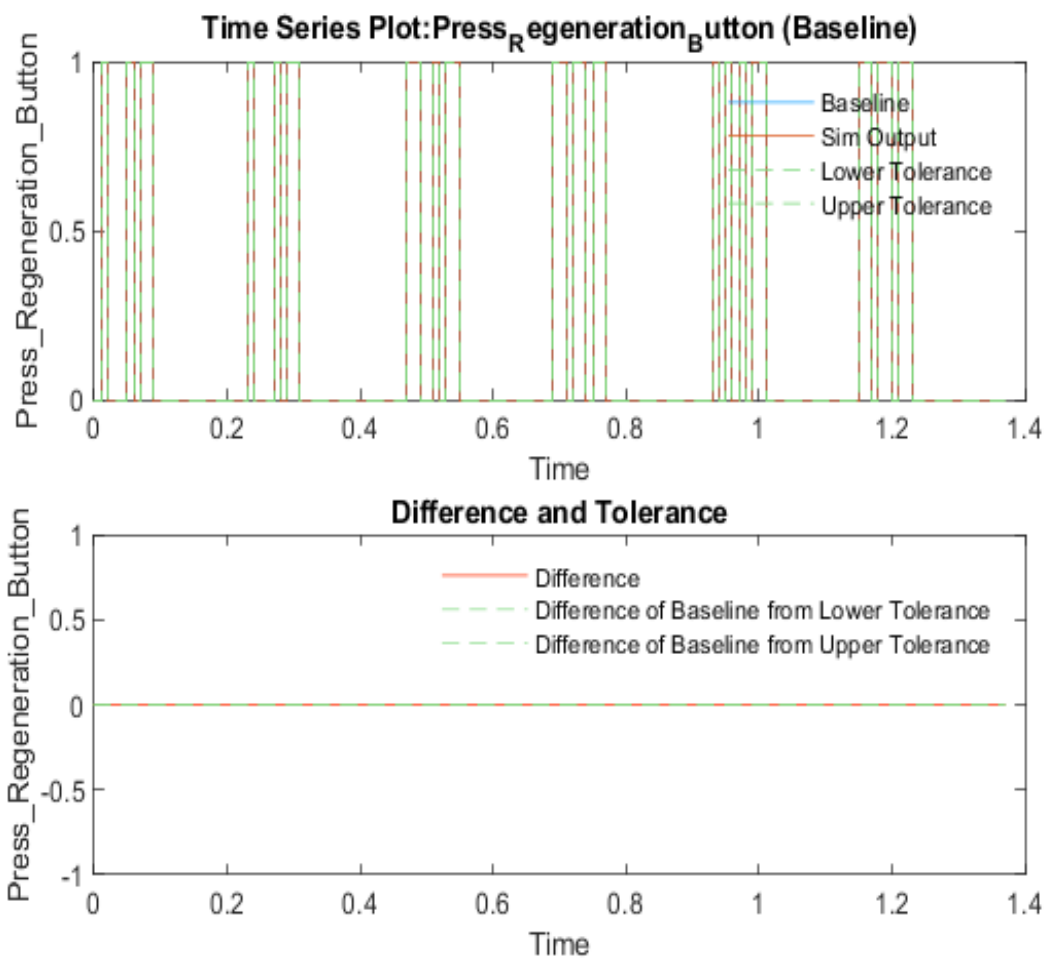
[Back to Report Summary](#)[Back to Criteria Results](#)

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



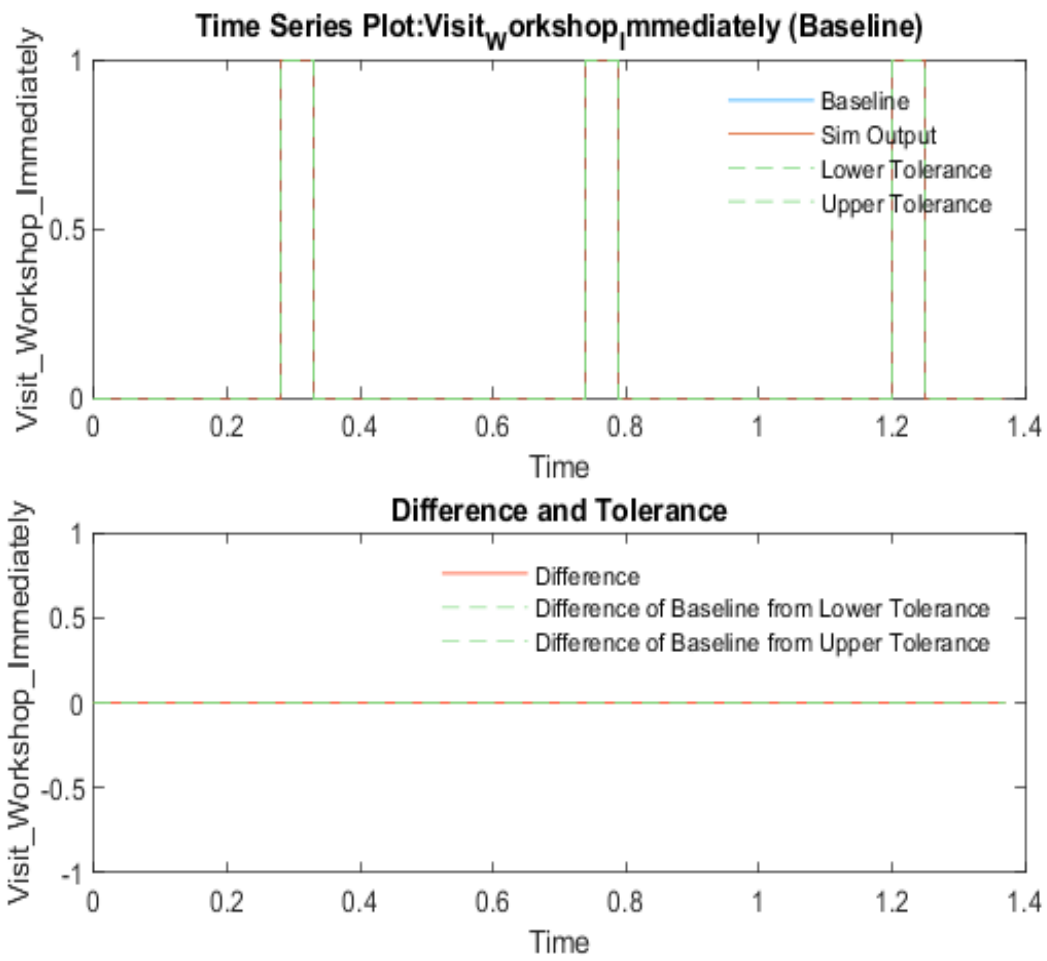
[Back to Report Summary](#)[Back to Criteria Results](#)

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
✓ Press_Regeneration_Button	0	0	0	0	0	boolean			boolean		0.01	zoh	union



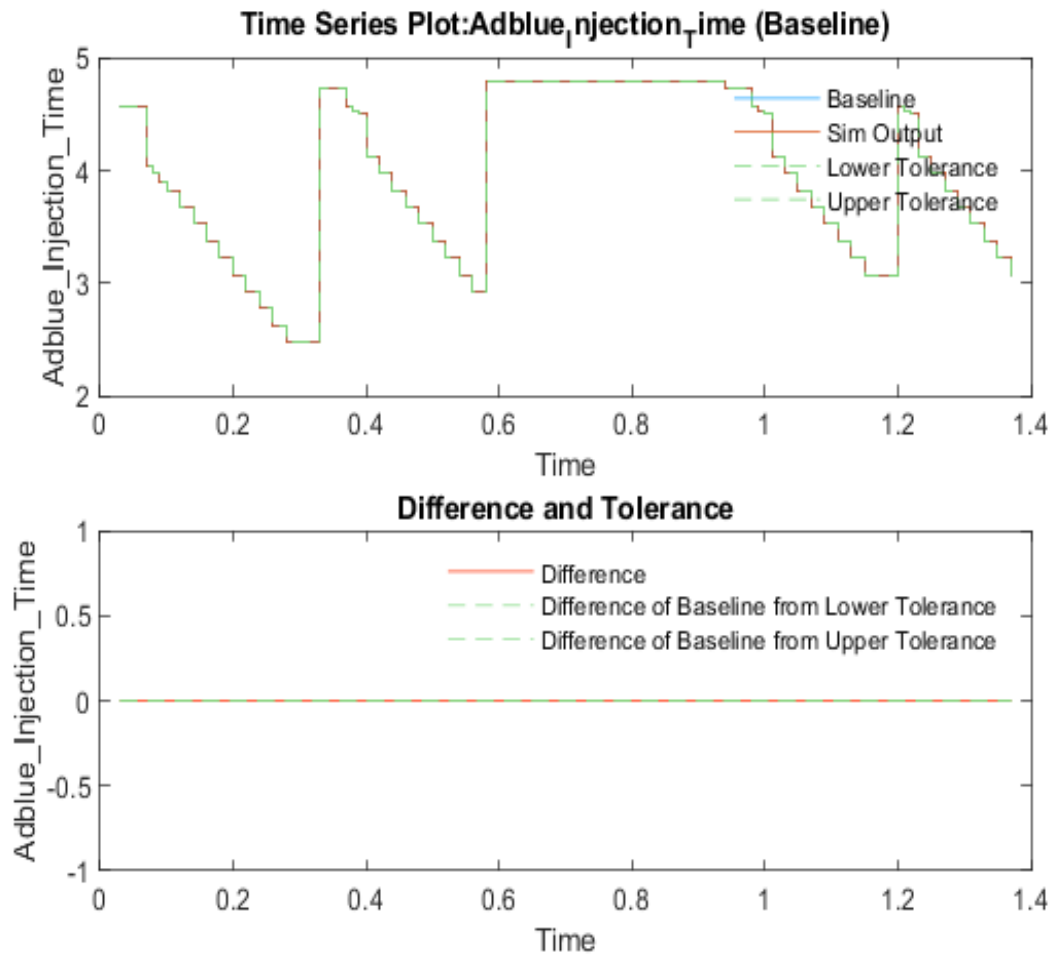
[Back to Report Summary](#)[Back to Criteria Results](#)

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
✔ Visit_Workshop_Immediately	0	0	0	0	0	boolean			boolean		0.01	zoh	union



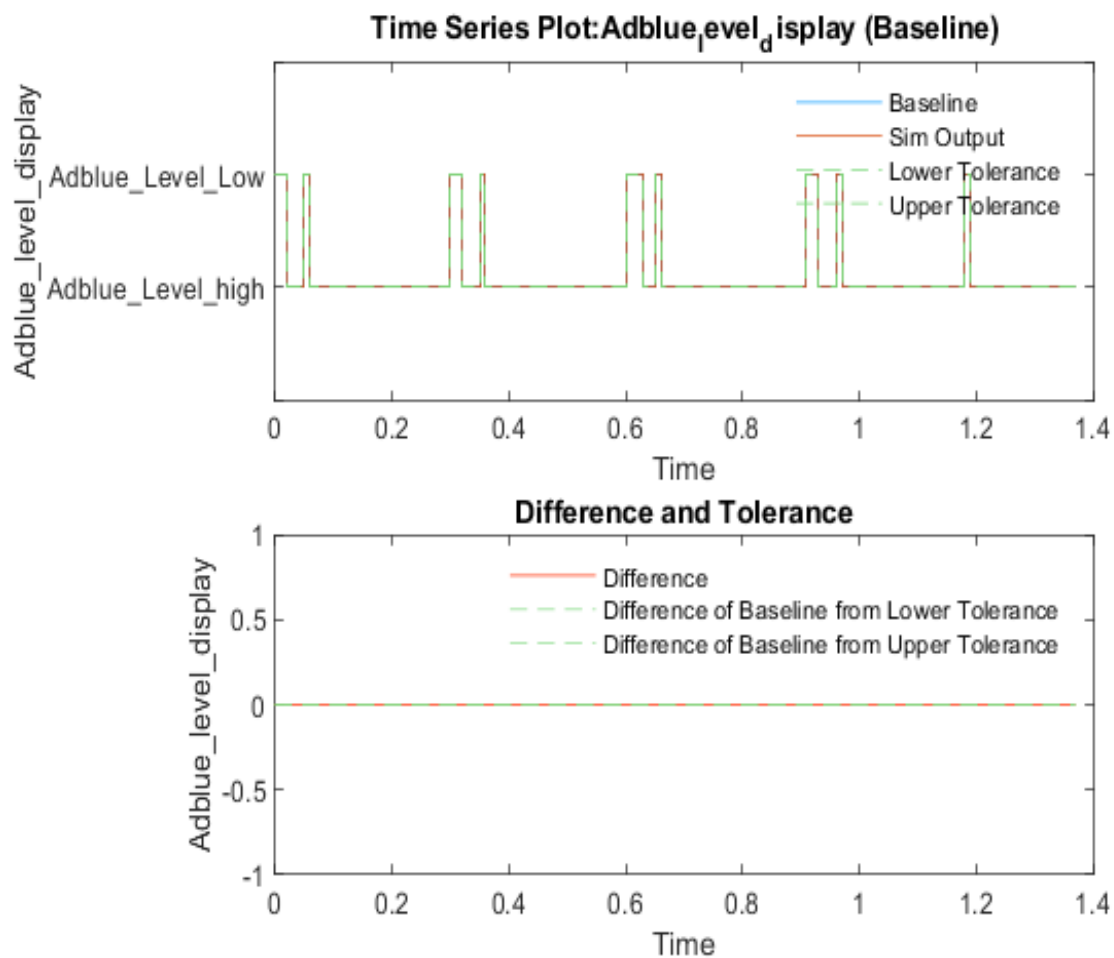
[Back to Report Summary](#)[Back to Criteria Results](#)

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



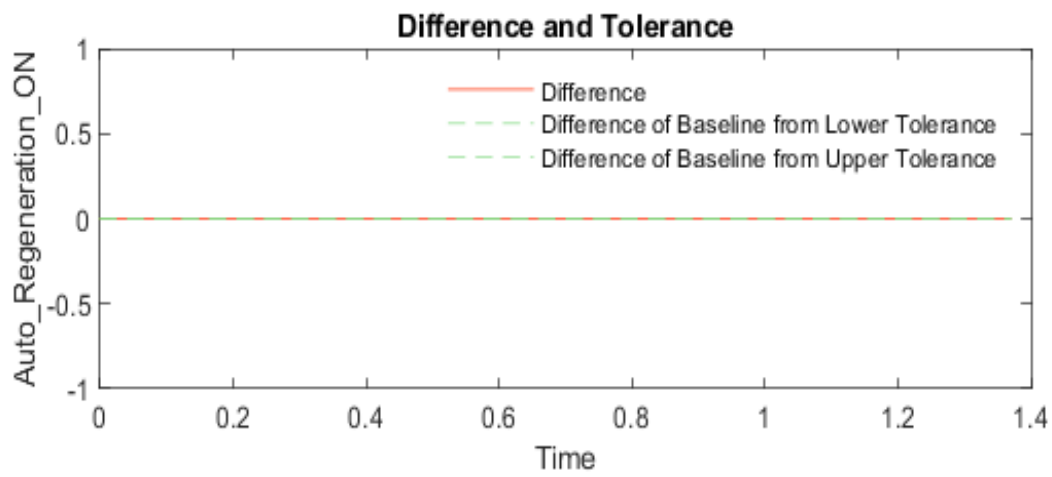
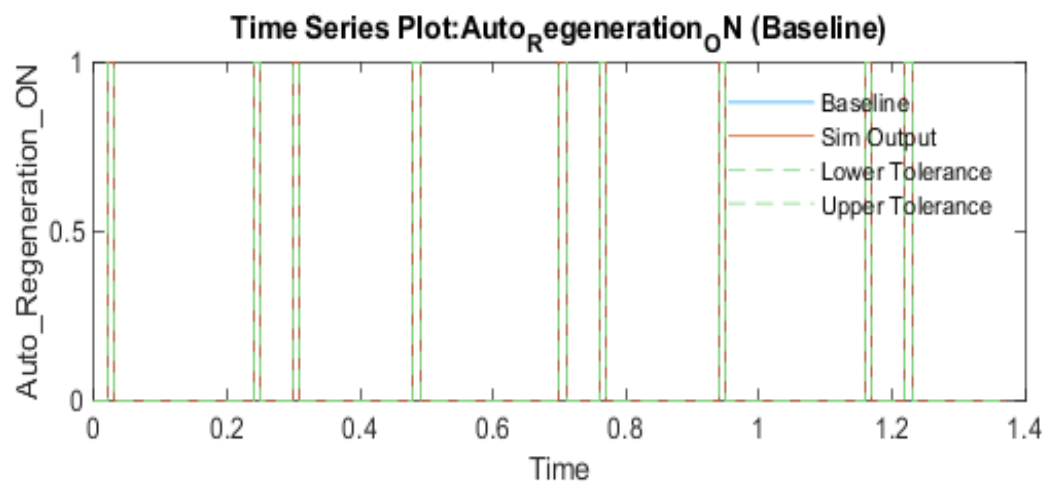
[Back to Report Summary](#)[Back to Criteria Results](#)

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_level_display	0	0	0	0	0	adblue_capacity			adblue_capacity		0.01	zoh	union



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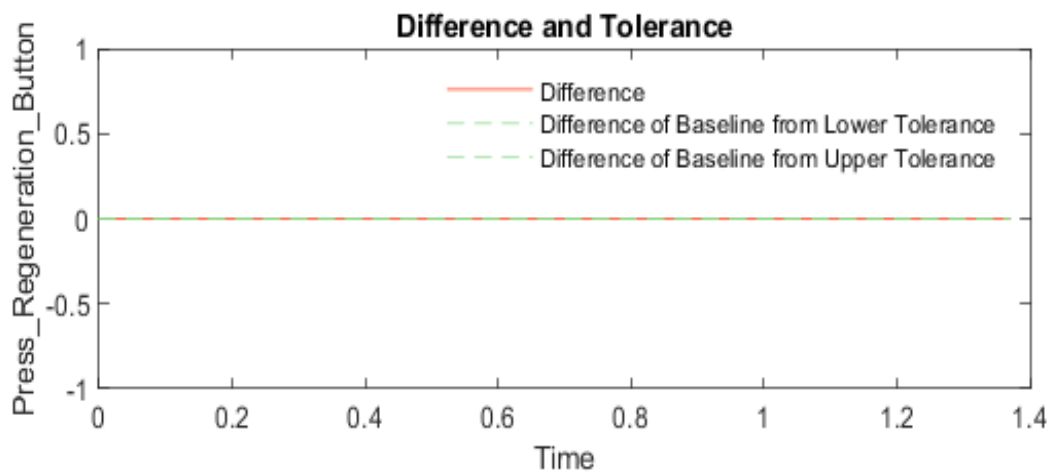
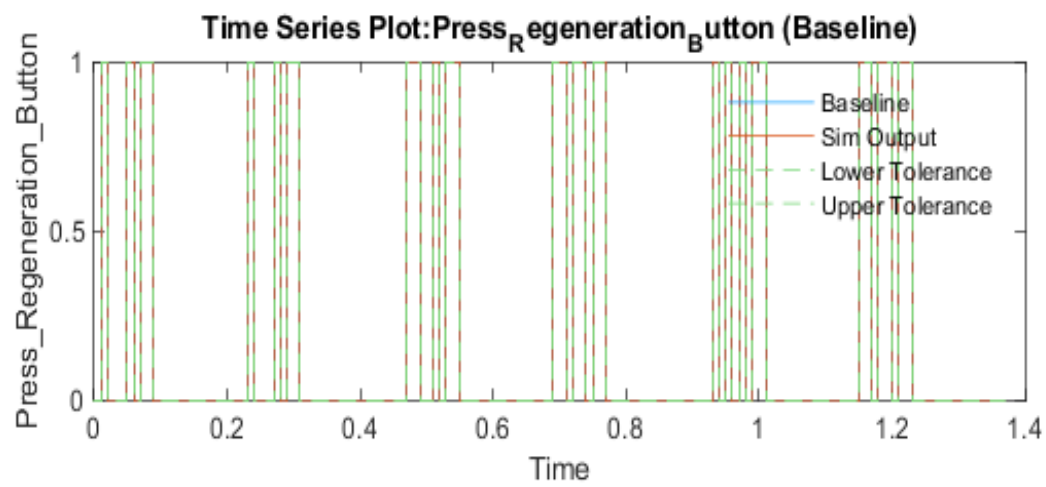
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✔ Auto_Regeneration_ON	0	0	0	0	0	boolean			boolean		0.01	zoh	union



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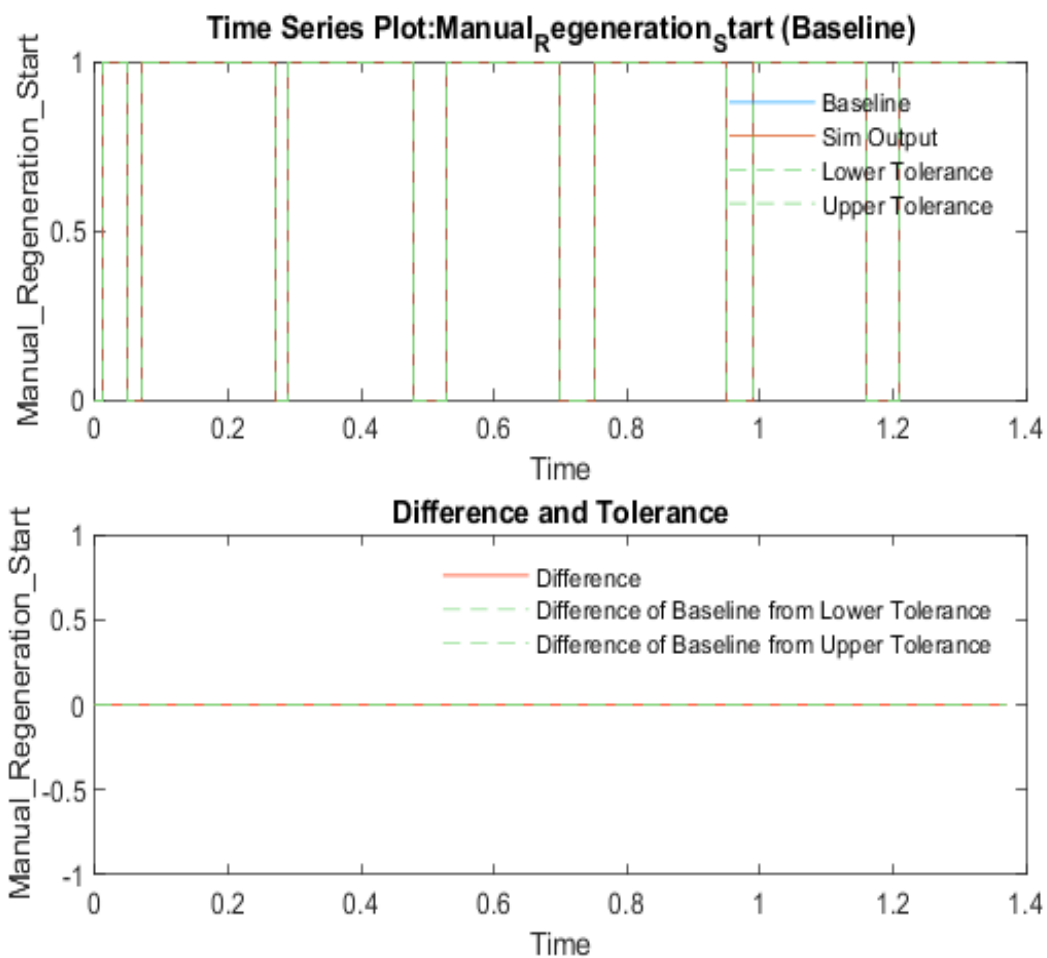
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Press_Regeneration_Button	0	0	0	0	0	boolean			boolean		0.01	zoh	union





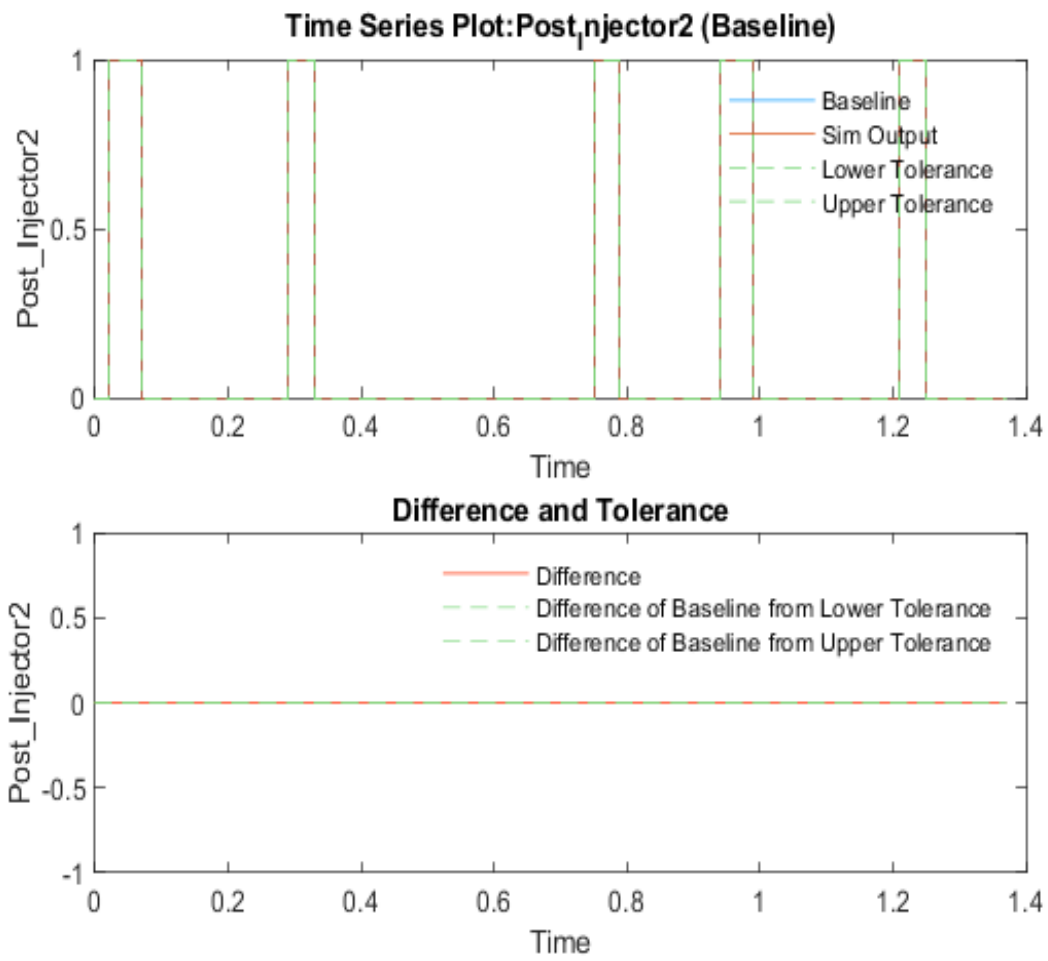
[Back to Report Summary](#)[Back to Criteria Results](#)

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



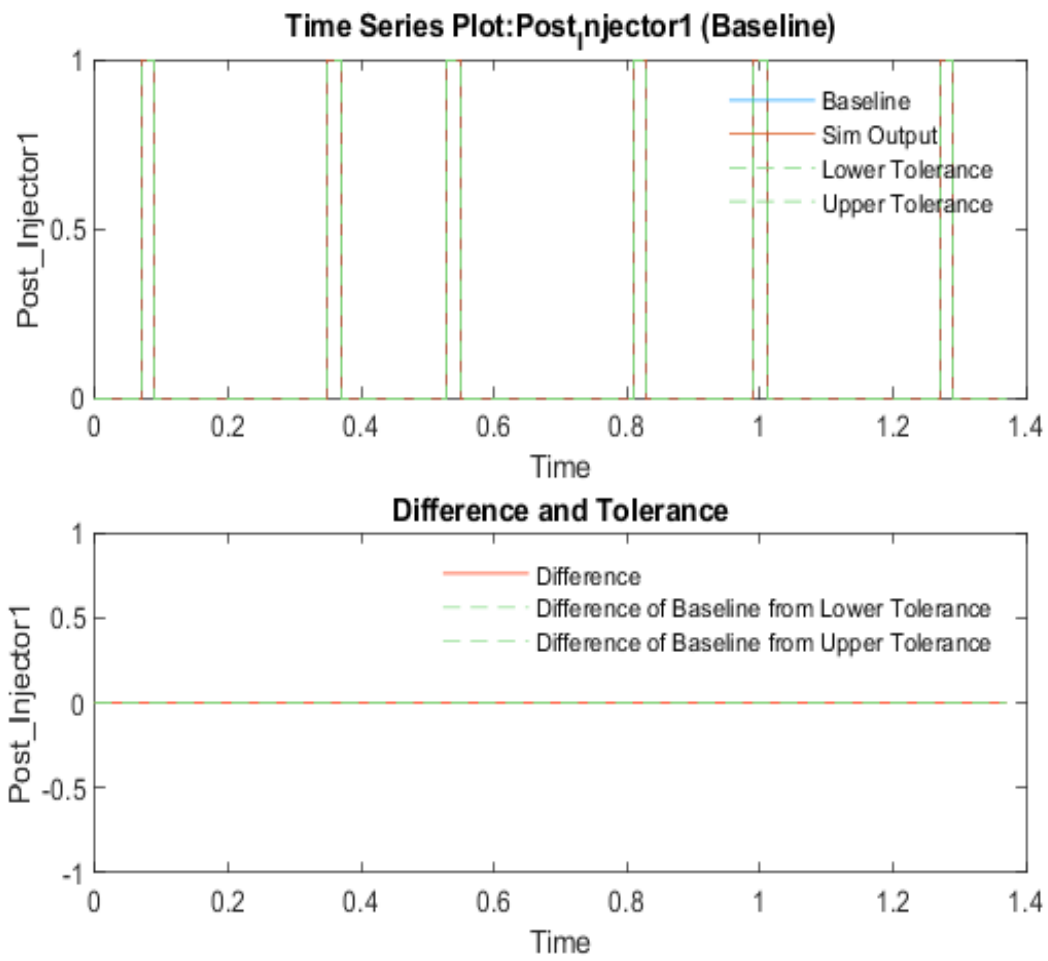
[Back to Report Summary](#)[Back to Criteria Results](#)

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



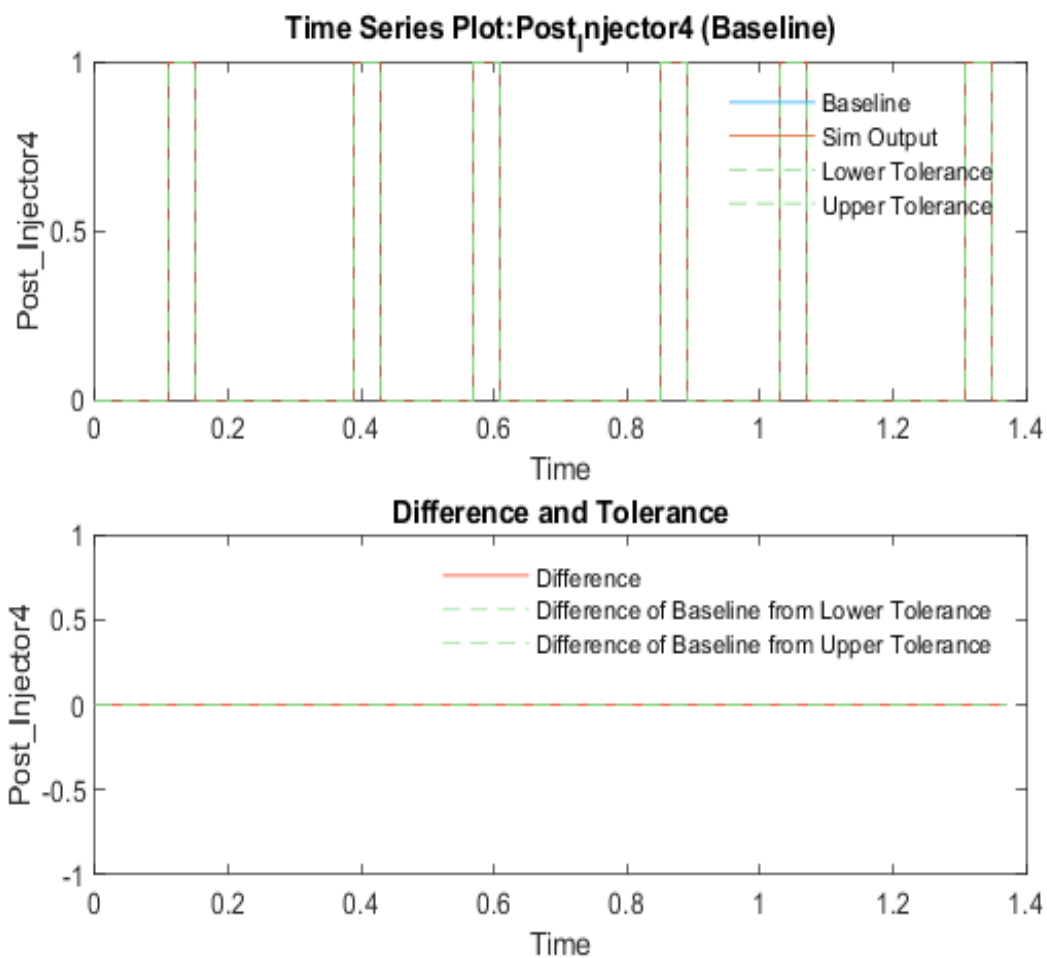
[Back to Report Summary](#)[Back to Criteria Results](#)

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



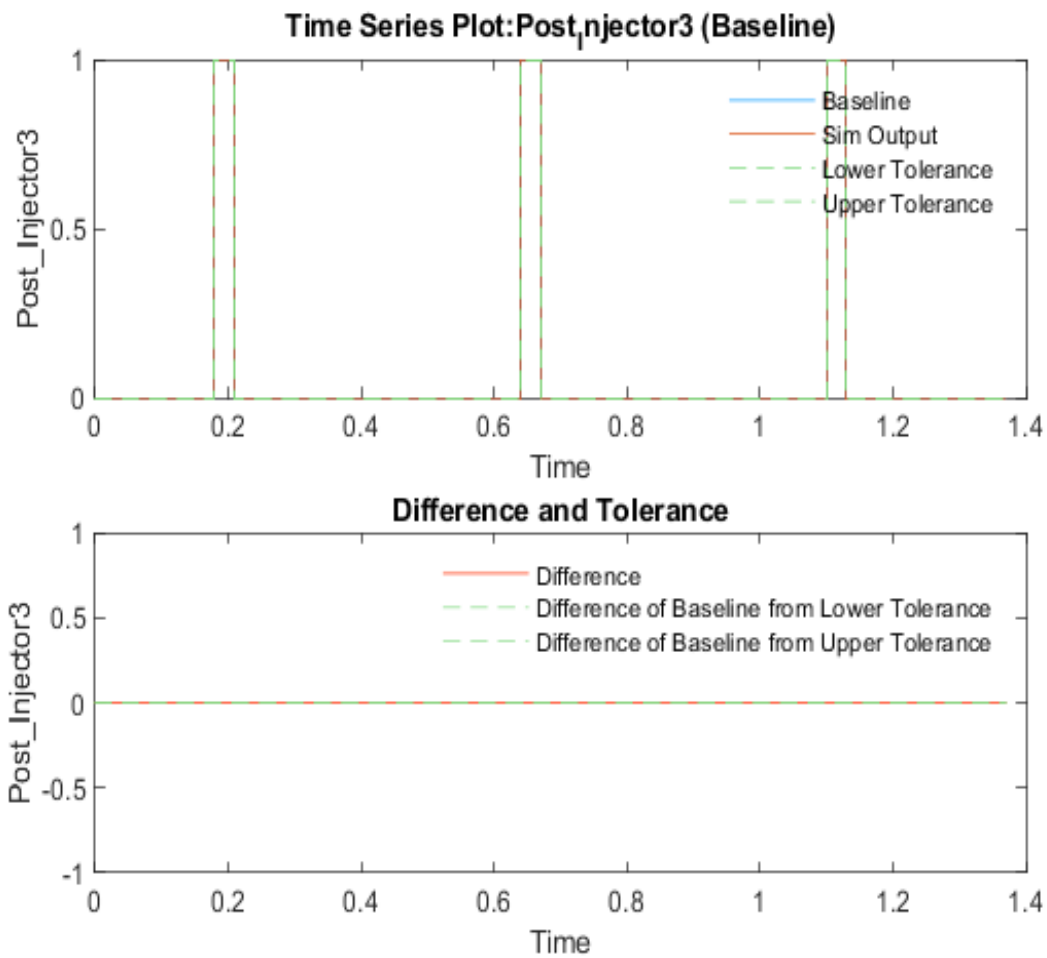
[Back to Report Summary](#)[Back to Criteria Results](#)

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



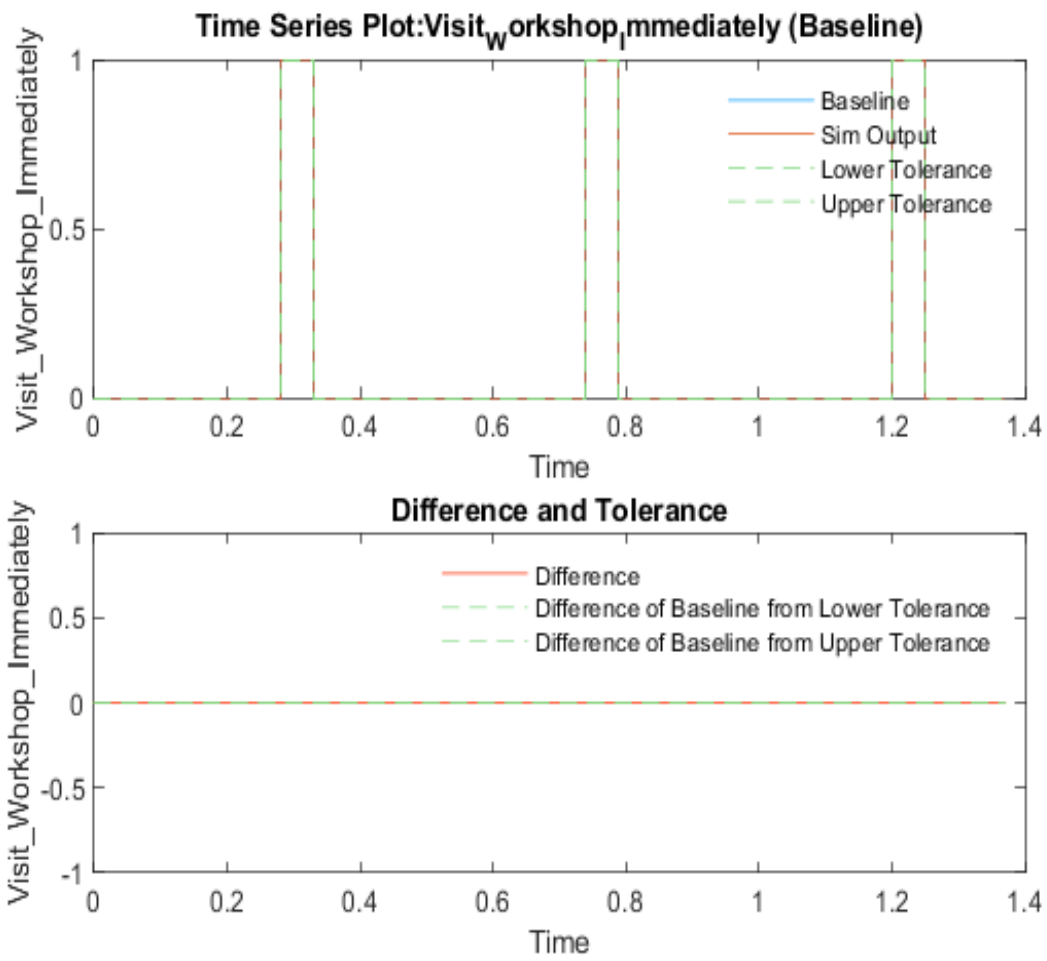
[Back to Report Summary](#)[Back to Criteria Results](#)

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



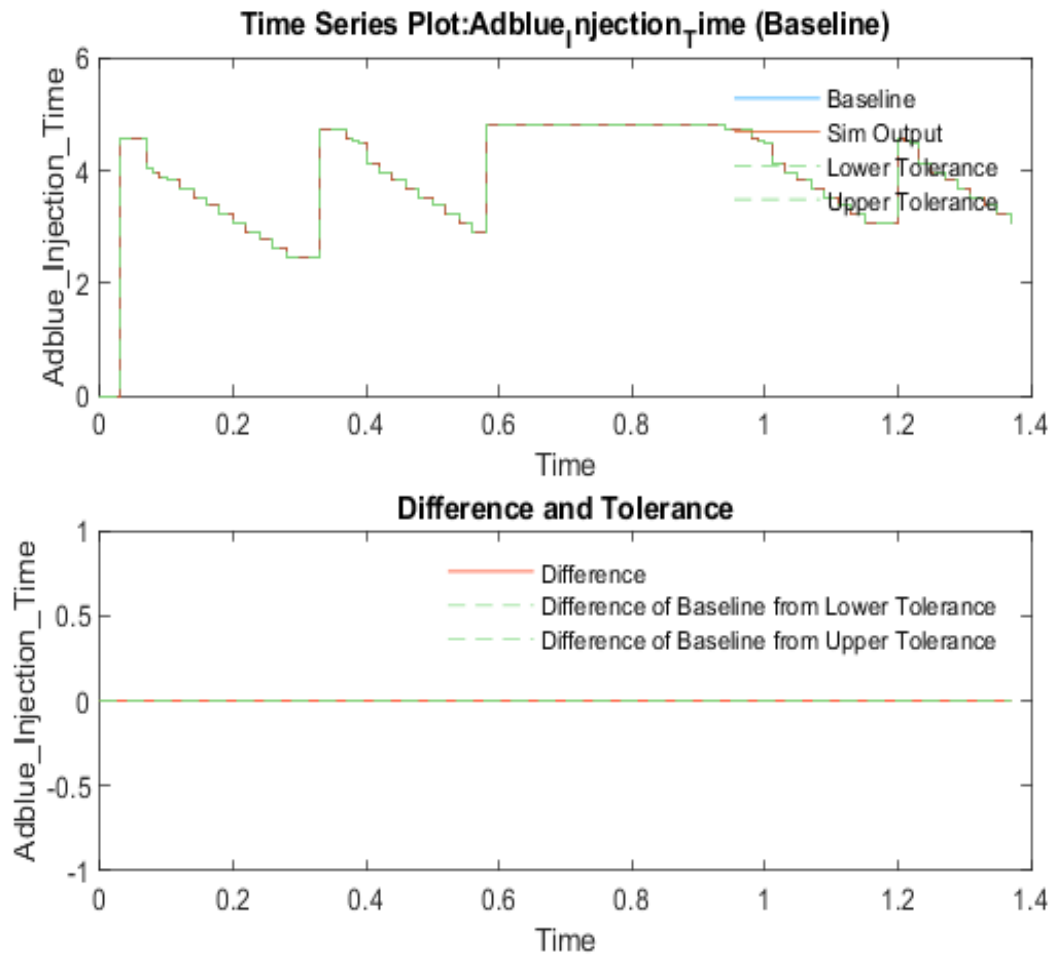
[Back to Report Summary](#)[Back to Criteria Results](#)

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			boolean		0.01	zoh	union



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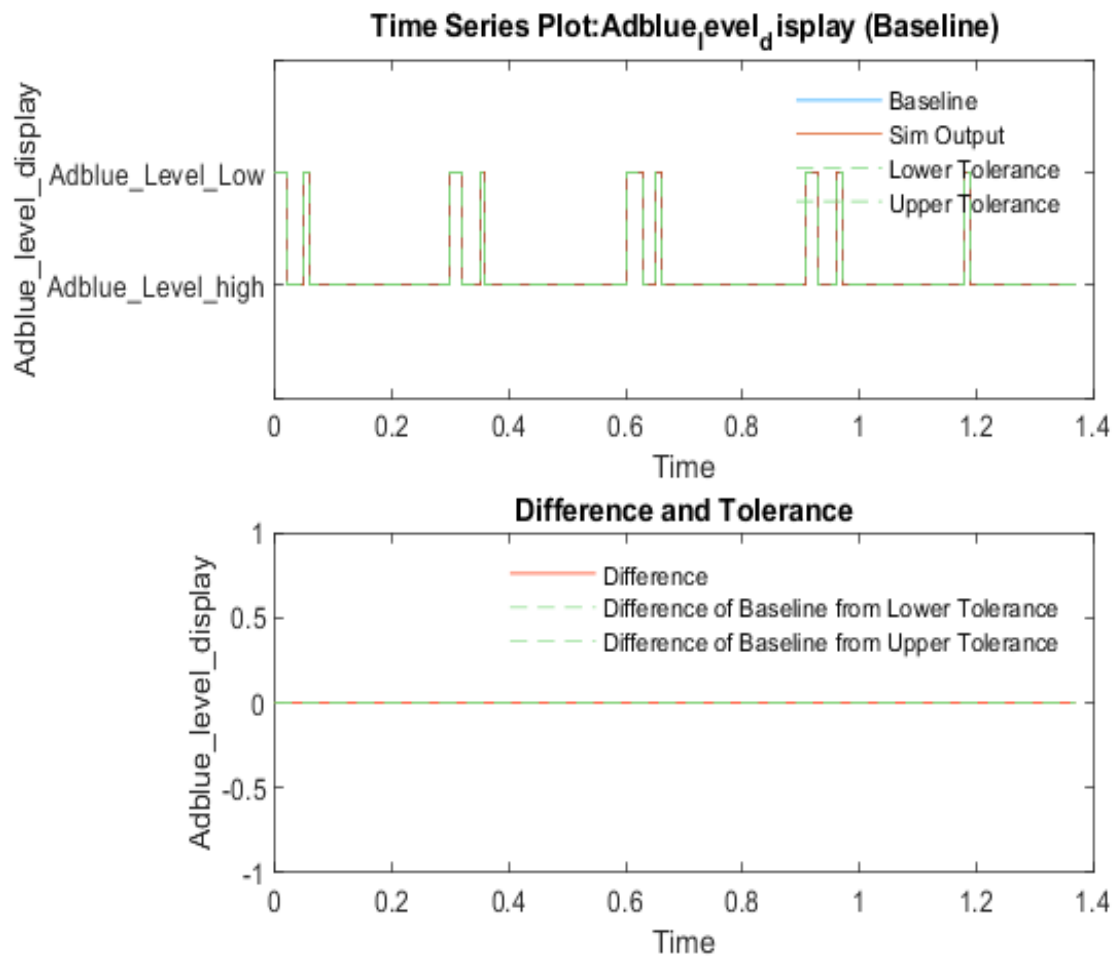
Name	Abs Tol	Rel Tol	Lead Tol	Lag Tol	Max Diff	Data Type 1	Units 1	Sample Time 1	Data Type 2	Units 2	Sample Time 2	Interp	Sync
✓ Adblue_Injection_Time	0	0	0	0	0	double			double		0.01	zoh	union



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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

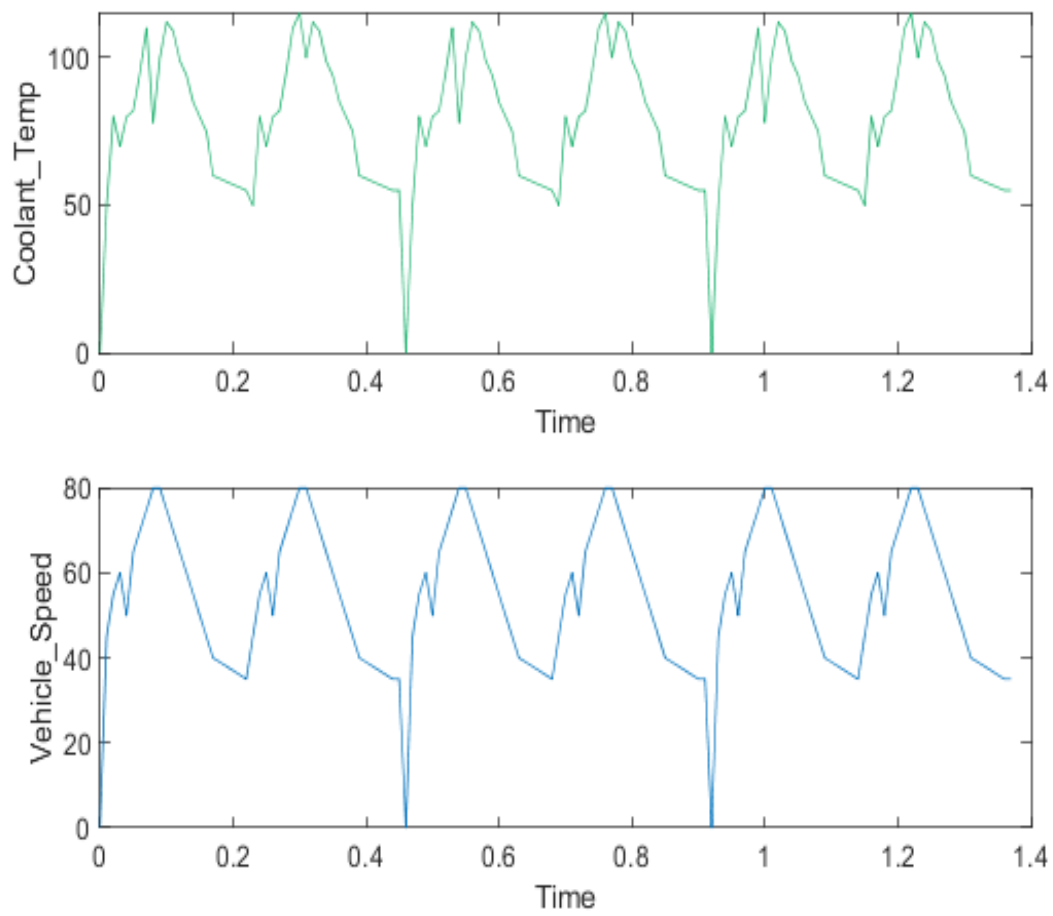
External Input      Eas\_Test11

Name:

External Input File: E:\Matlab\Project\Eas\_24072022-20220726T17095  
9Z-001\Eas\_24072022\Eas\_Functional\_Test.xlsx

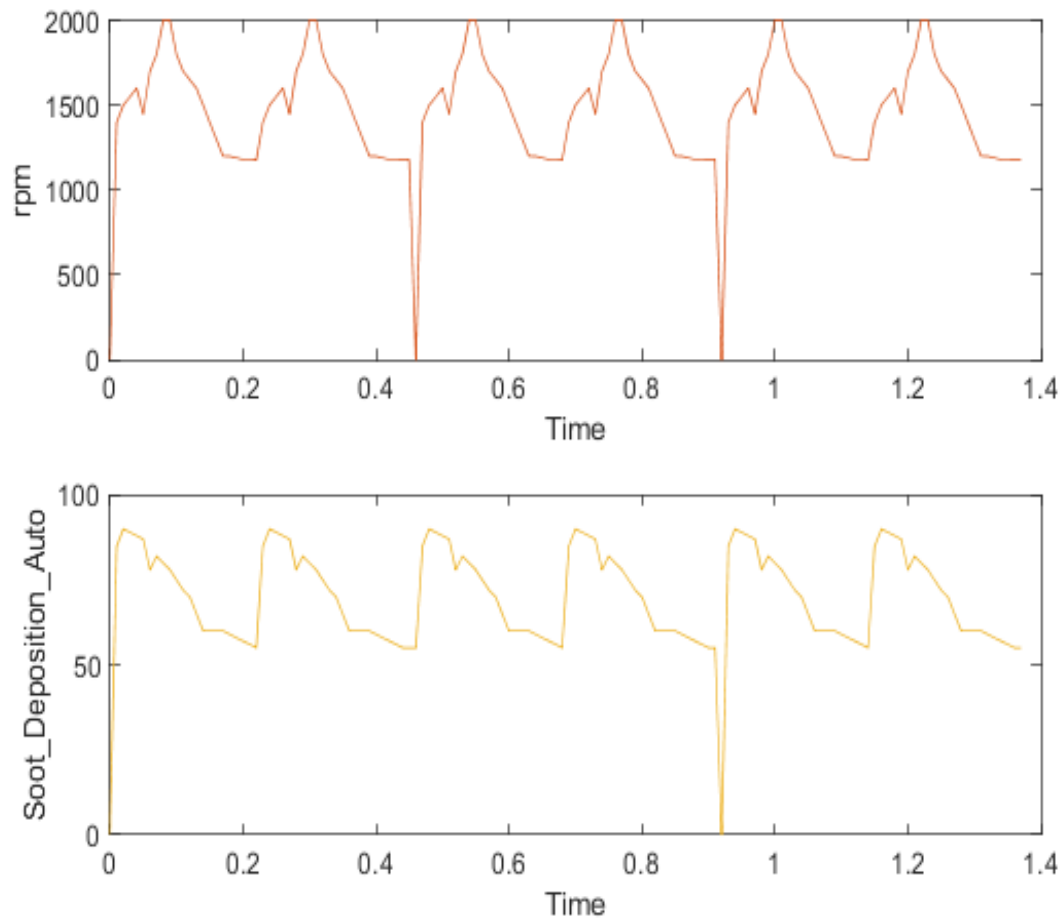
Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Coolant_Temp	int16		Continuous	linear	union	<a href="#">Link</a>
Vehicle_Speed	uint8		Continuous	linear	union	<a href="#">Link</a>
rpm	uint16		Continuous	linear	union	<a href="#">Link</a>
Soot_Deposition_Auto	uint8		Continuous	linear	union	<a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

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



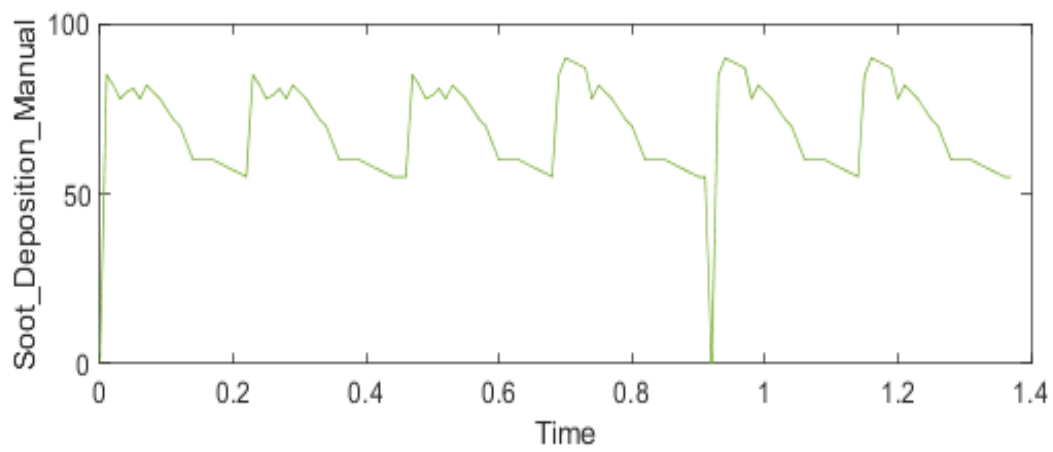
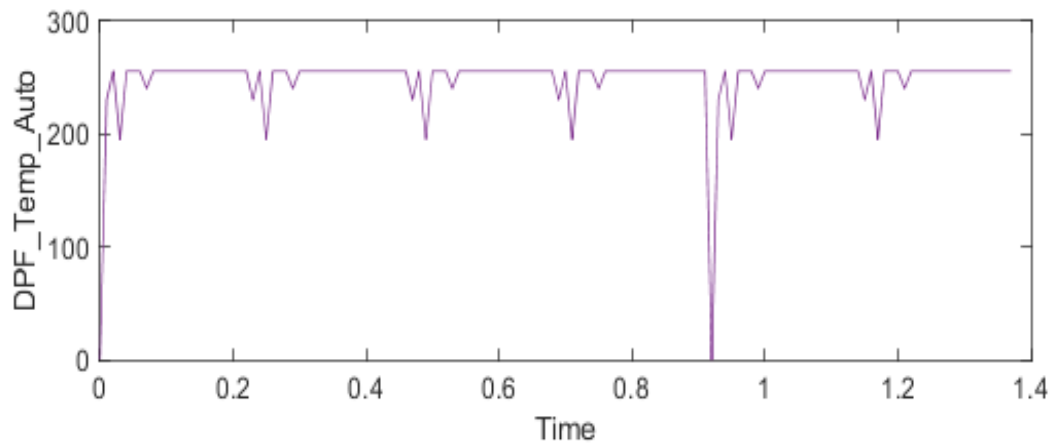
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Name	Data Type	Units	Sample Time	Interp	Sync
rpm	uint16		Continuous	linear	union
Soot_Deposition_Auto	uint8		Continuous	linear	union



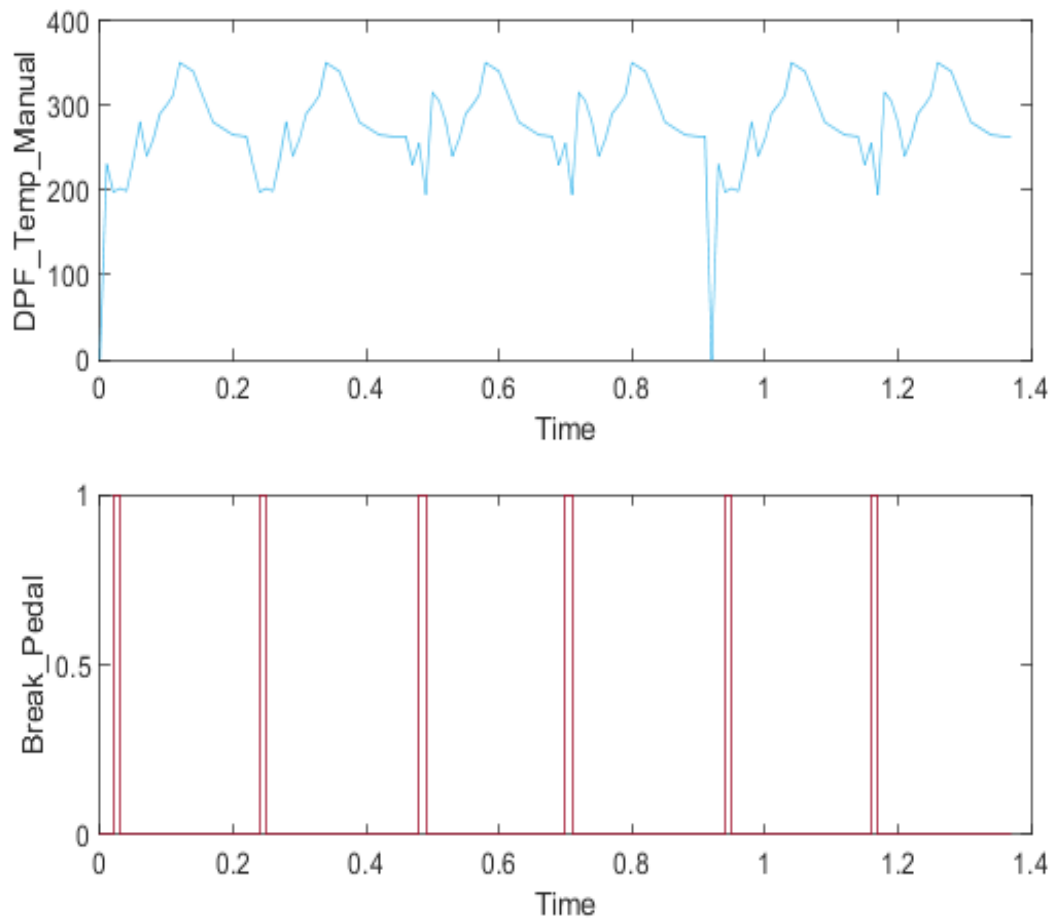
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Auto	uint8		Continuous	linear	union
Soot_Deposition_Manual	uint8		Continuous	linear	union



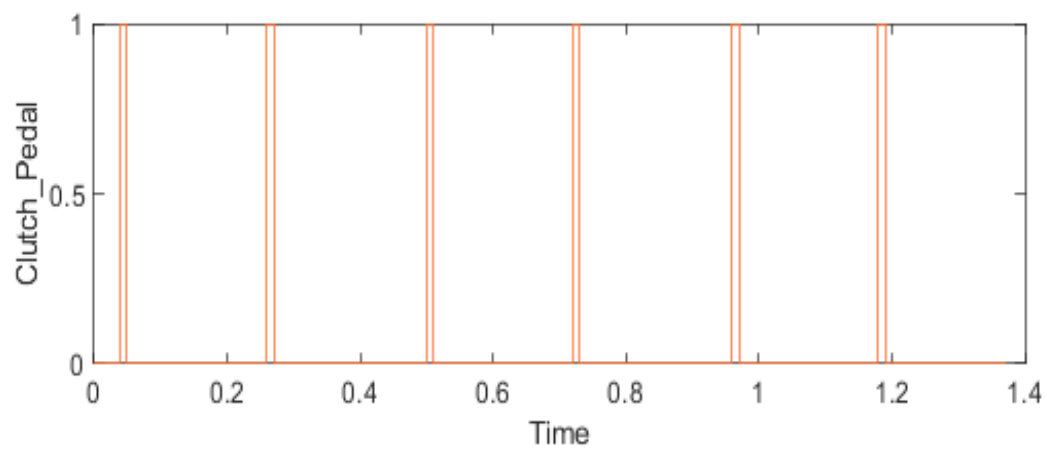
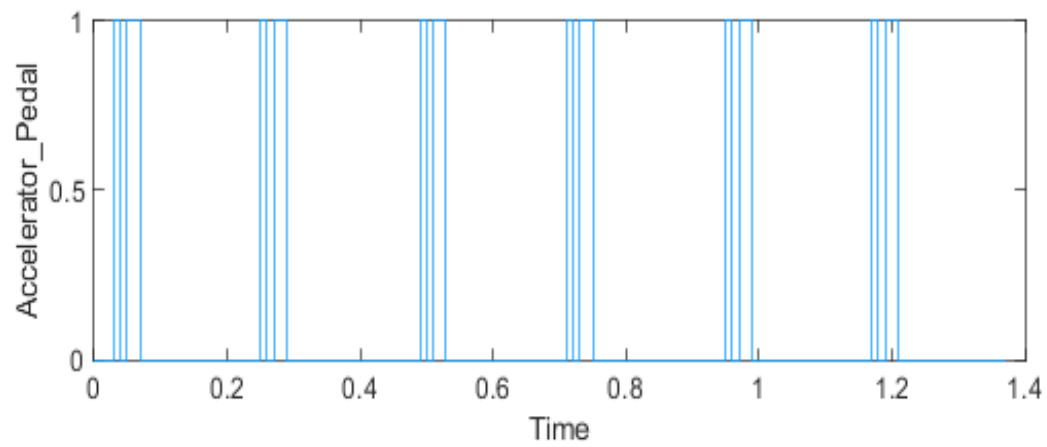
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Name	Data Type	Units	Sample Time	Interp	Sync
DPF_Temp_Manual	int16		Continuous	linear	union
Break_Pedal	boolean			zoh	union



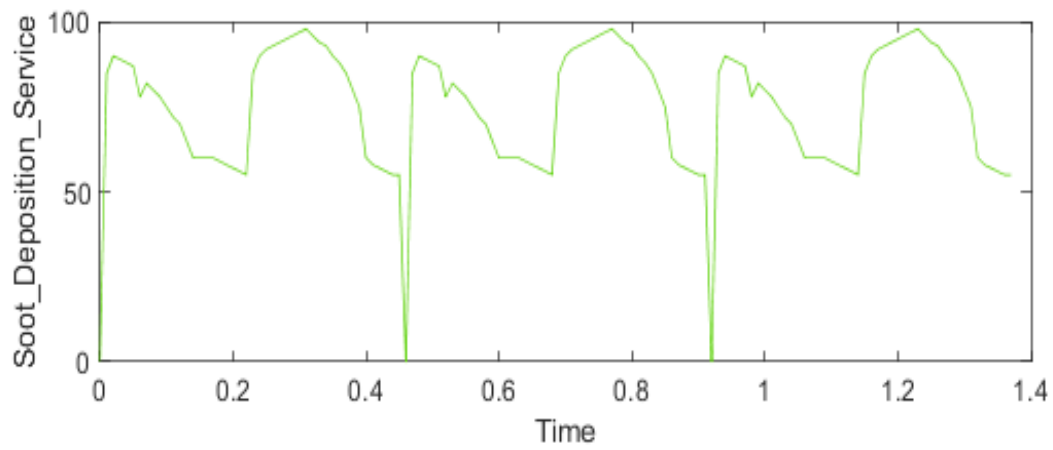
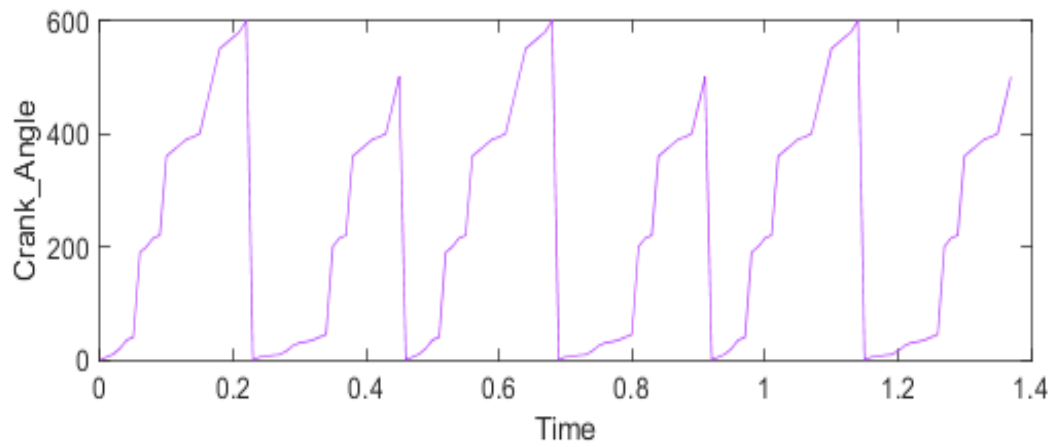
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Name	Data Type	Units	Sample Time	Interp	Sync
Accelerator_Pedal	boolean			zoh	union
Clutch_Pedal	boolean			zoh	union



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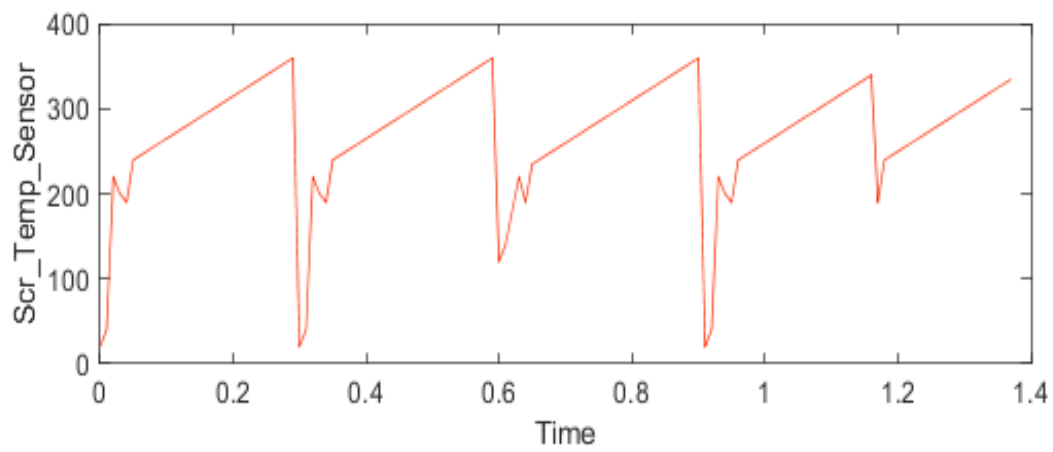
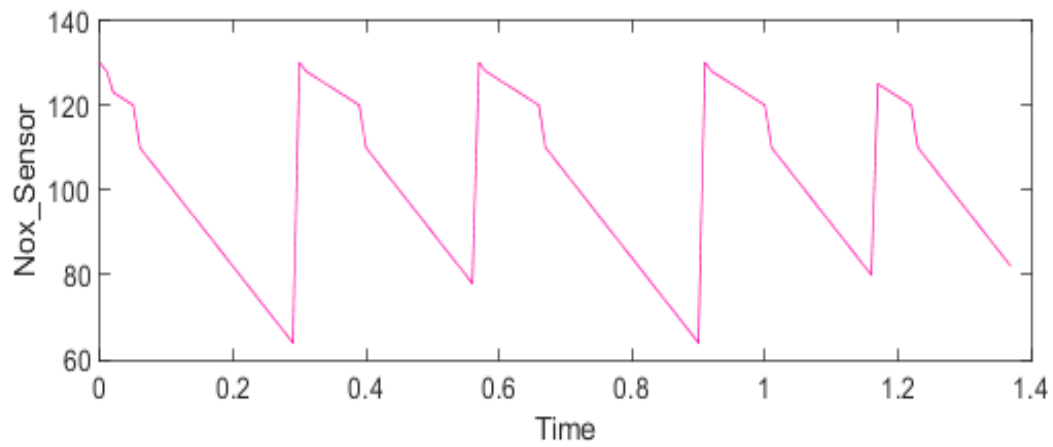
Name	Data Type	Units	Sample Time	Interp	Sync
Crank_Angle	uint16		Continuous	linear	union
Soot_Deposition_Service	uint8		Continuous	linear	union



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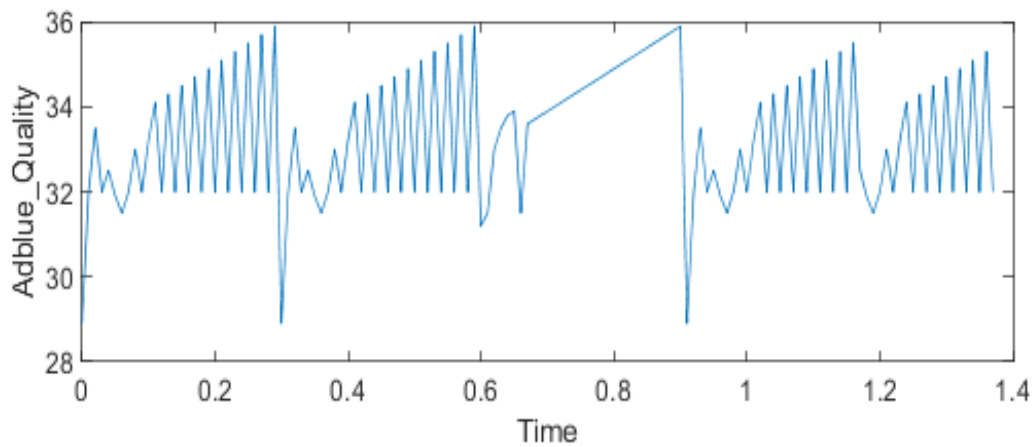
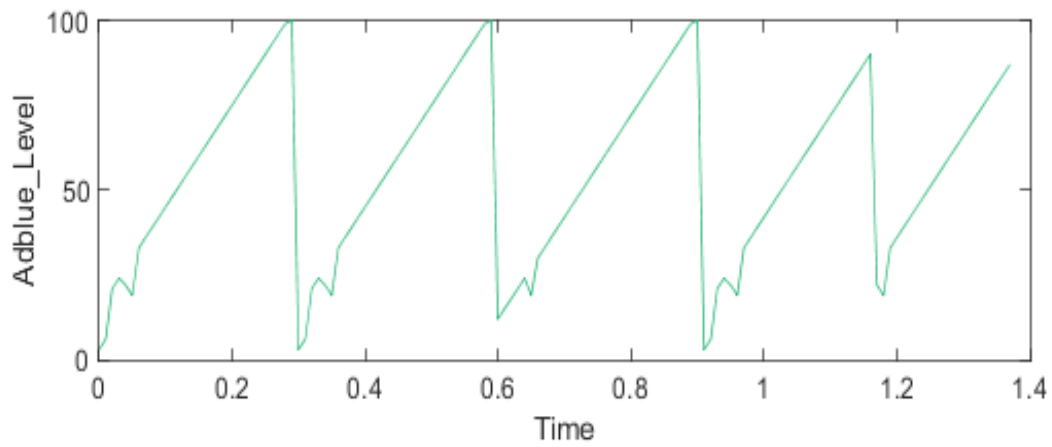
Name	Data Type	Units	Sample Time	Interp	Sync
Nox_Sensor	uint16		Continuous	linear	union
Scr_Temp_Sensor	uint16		Continuous	linear	union





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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

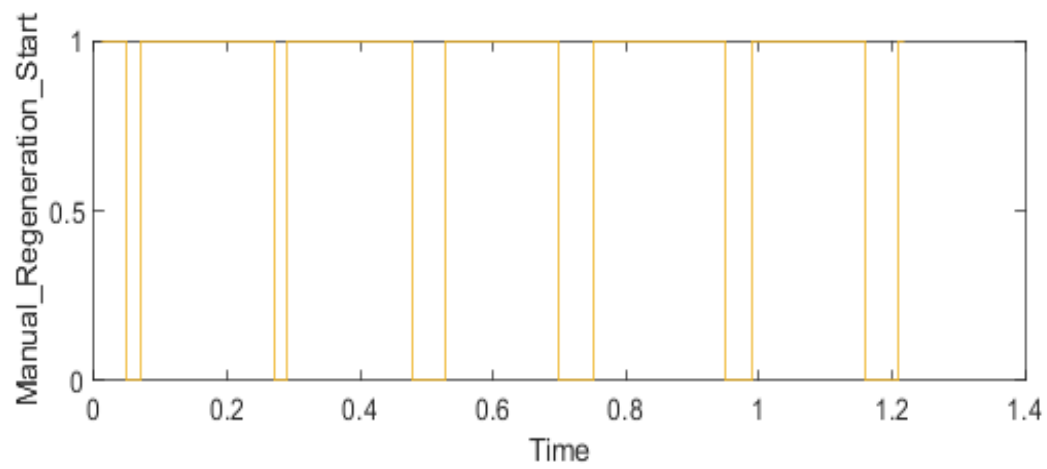
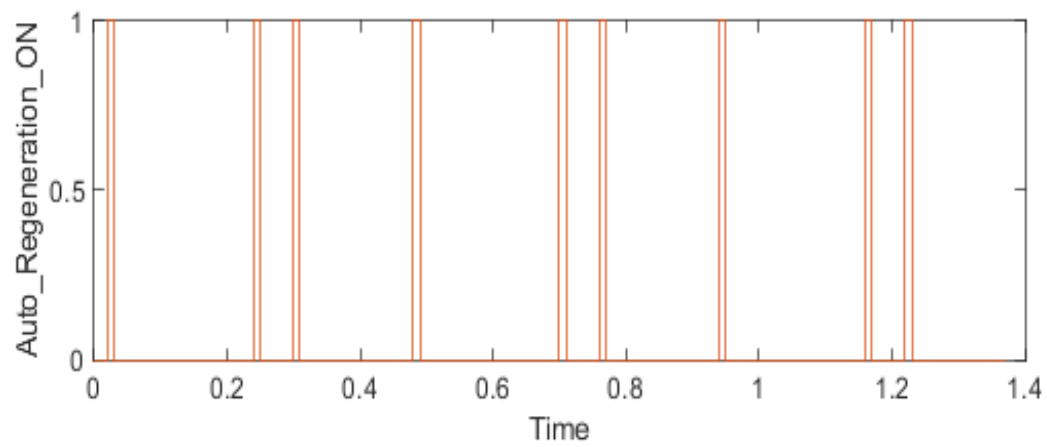
Override SIL or PIL 0  
 Mode:  
 Configuration Set: Configuration1  
 External Input Name: Eas\_Test11  
 External Input File: E:\Matlab\Project\Eas\_24072022-20220726T170959Z-001\Eas\_24072022\Eas\_Functional\_Test.xlsx  
 Start Time: 0  
 Stop Time: 1.3700000000000001  
 Checksum: 918296074 10159789 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 14:39:25  
 Simulation Stop Time: 2022-08-04 14:39:26  
 Platform: PCWIN64

## Simulation Output

Name	Data Type	Units	Sample Time	Interp	Sync	Link to Plot
Auto_Regeneration_ON	boolean		0.01	zoh	union	<a href="#">Link</a>
Manual_Regeneration_Start	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector1	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector4	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector3	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector2	boolean		0.01	zoh	union	<a href="#">Link</a>
Press_Regeneration_Button	boolean		0.01	zoh	union	<a href="#">Link</a>

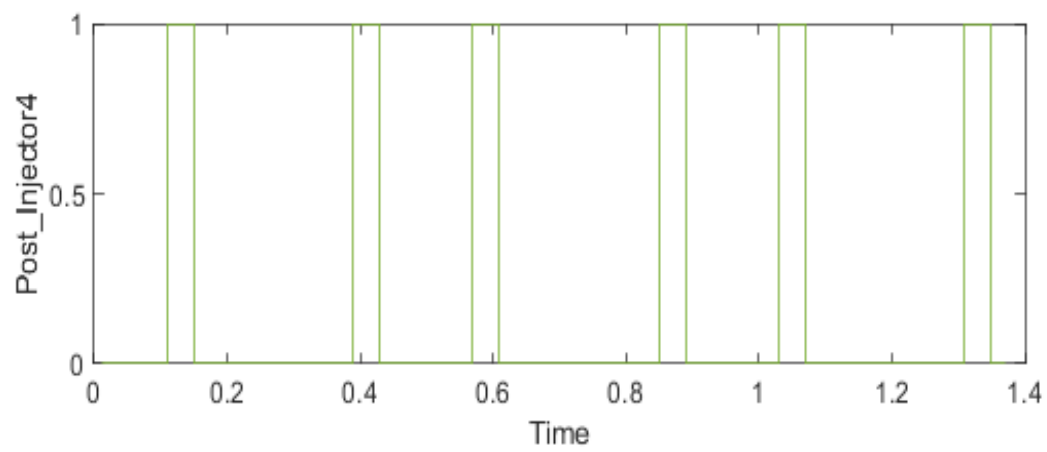
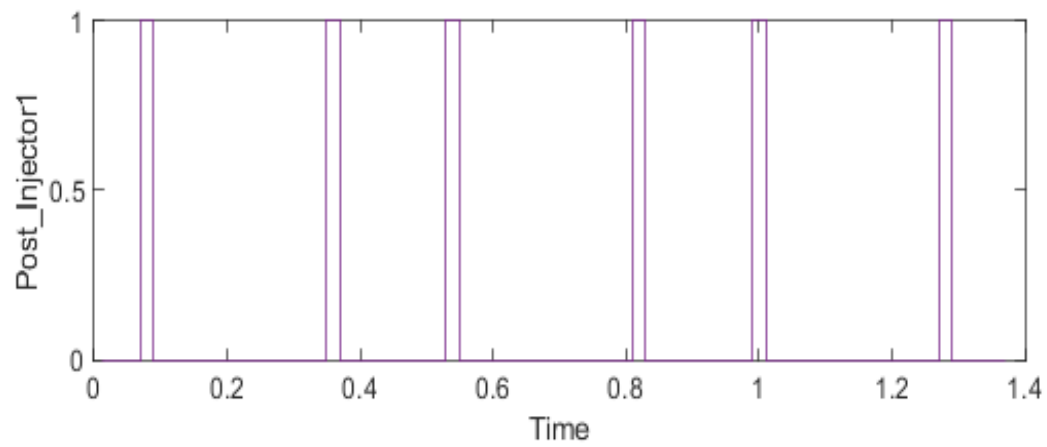
Visit_Workshop_Immediately	boolean		0.01	zoh	union	<a href="#">Link</a>
Adblue_Injection_Time	double		0.01	zoh	union	<a href="#">Link</a>
Adblue_level_display	adblue_capacity		0.01	zoh	union	<a href="#">Link</a>
Auto_Regeneration_ON	boolean		0.01	zoh	union	<a href="#">Link</a>
Press_Regeneration_Button	boolean		0.01	zoh	union	<a href="#">Link</a>
Manual_Regeneration_Start	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector2	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector1	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector4	boolean		0.01	zoh	union	<a href="#">Link</a>
Post_Injector3	boolean		0.01	zoh	union	<a href="#">Link</a>
Visit_Workshop_Immediately	boolean		0.01	zoh	union	<a href="#">Link</a>
Adblue_Injection_Time	double		0.01	zoh	union	<a href="#">Link</a>
Adblue_level_display	adblue_capacity		0.01	zoh	union	<a href="#">Link</a>

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



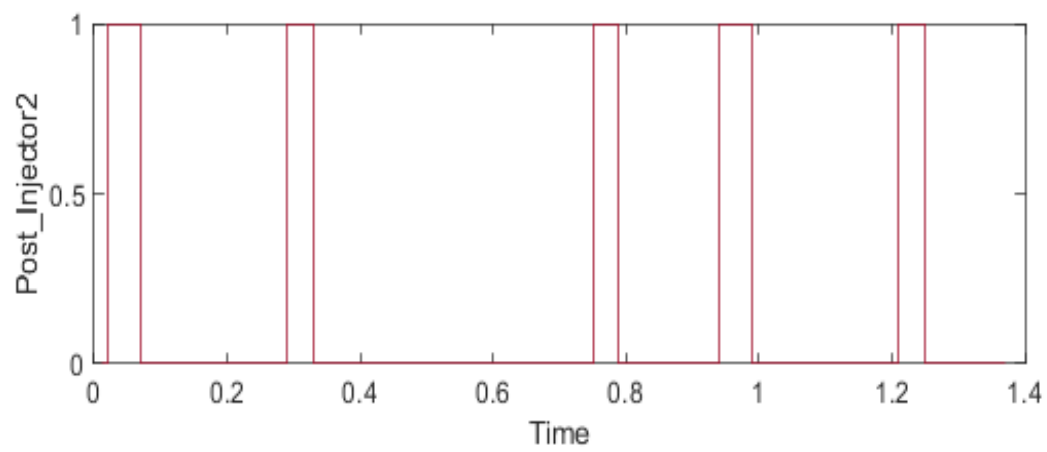
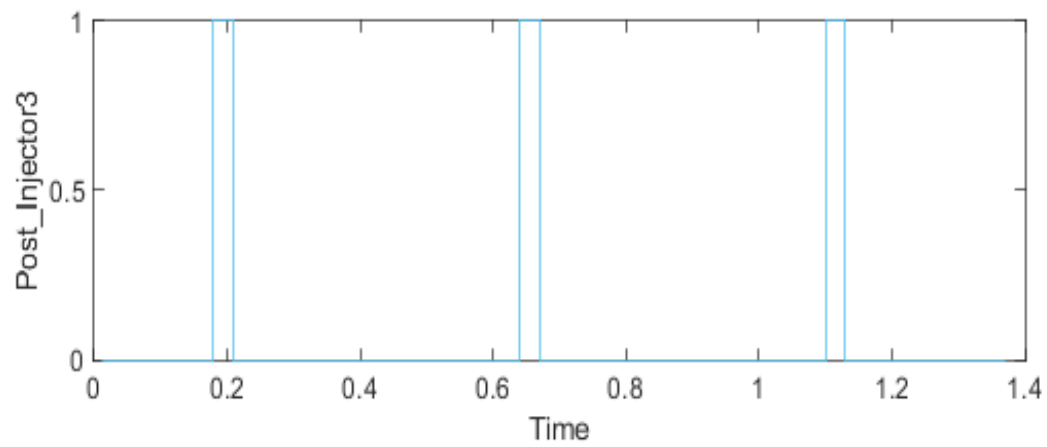
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



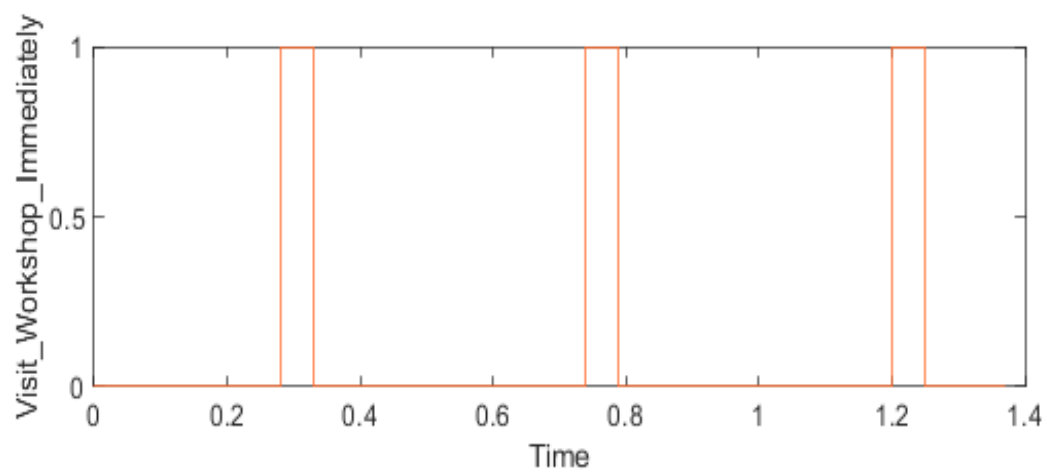
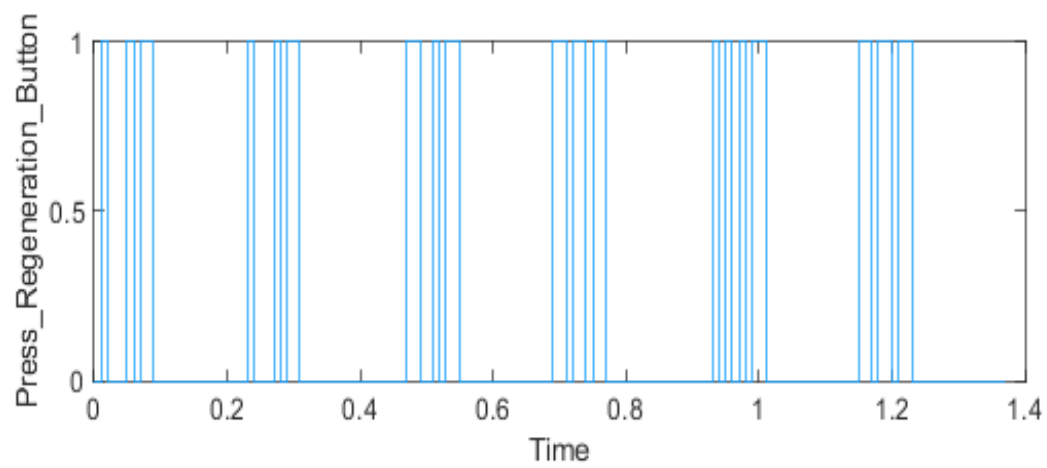
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



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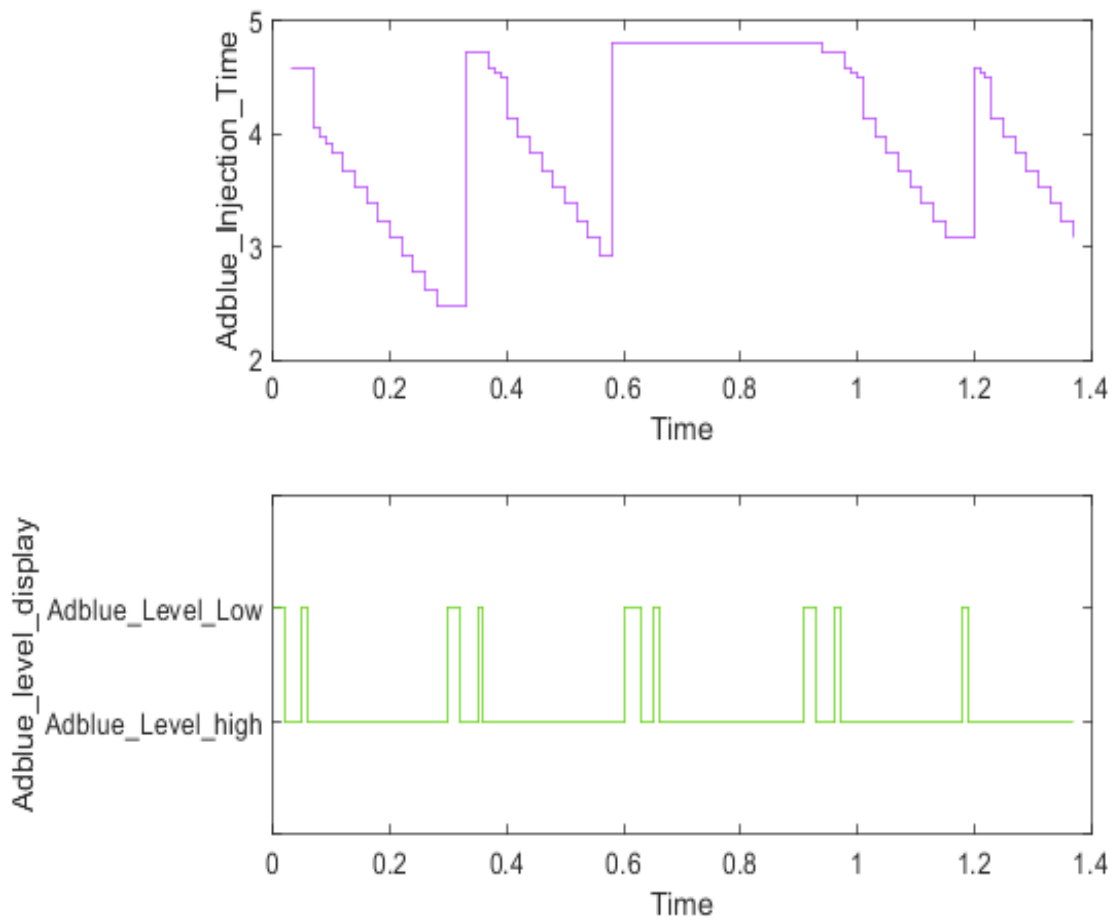
Name	Data Type	Units	Sample Time	Interp	Sync
Press_Regeneration_Button	boolean		0.01	zoh	union
Visit_Workshop_Immediately	boolean		0.01	zoh	union



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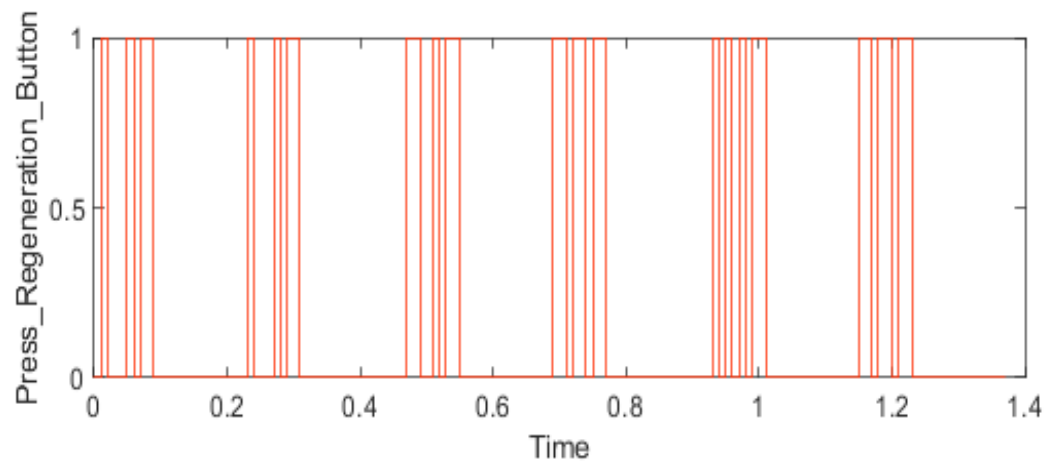
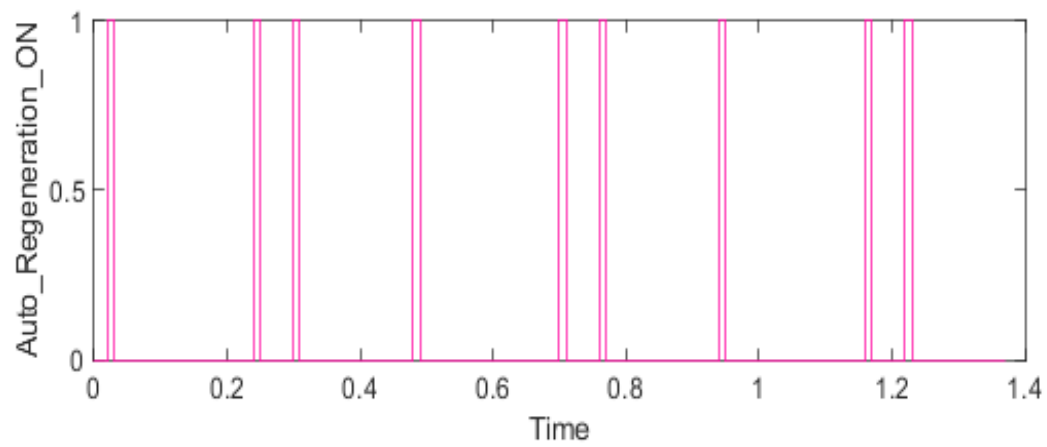
Name	Data Type	Units	Sample Time	Interp	Sync
Adblue_Injection_Time	double		0.01	zoh	union
Adblue_level_displacement	adblue_capacity		0.01	zoh	union





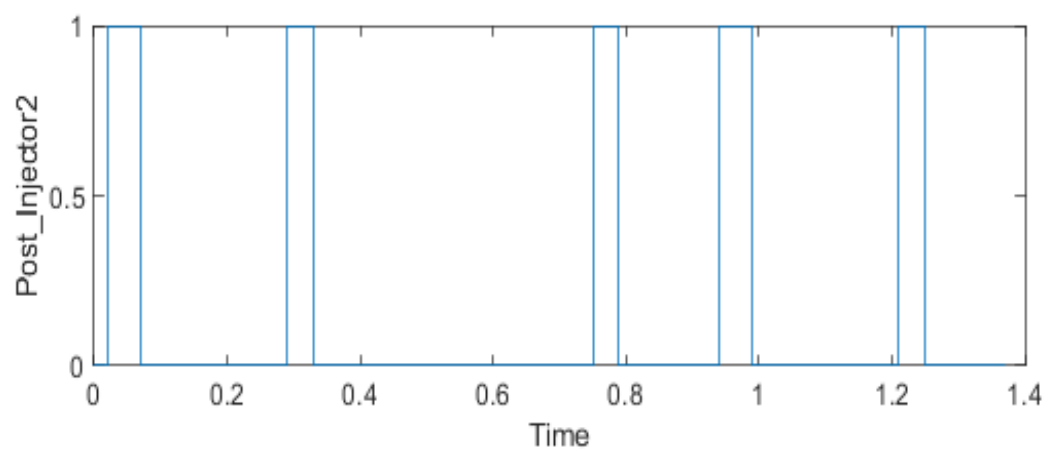
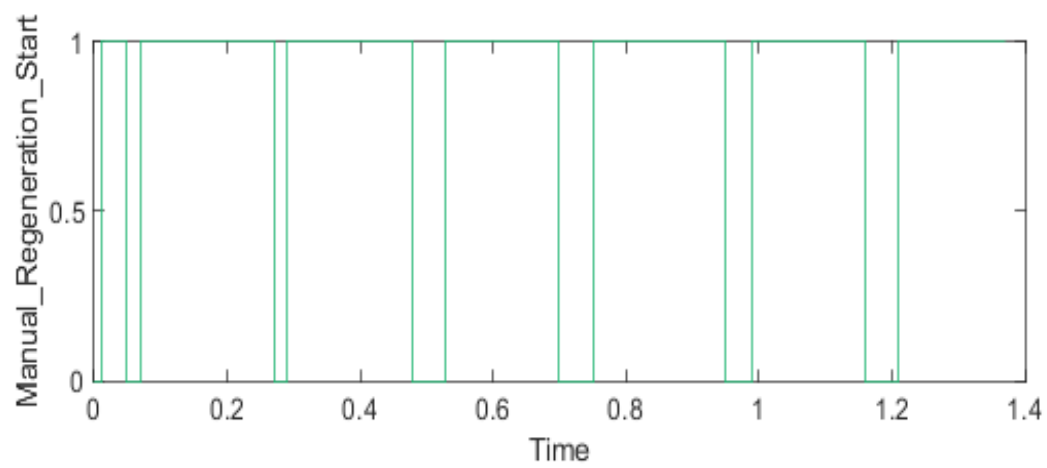
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Name	Data Type	Units	Sample Time	Interp	Sync
Auto_Regeneration_ON	boolean		0.01	zoh	union
Press_Regeneration_Button	boolean		0.01	zoh	union



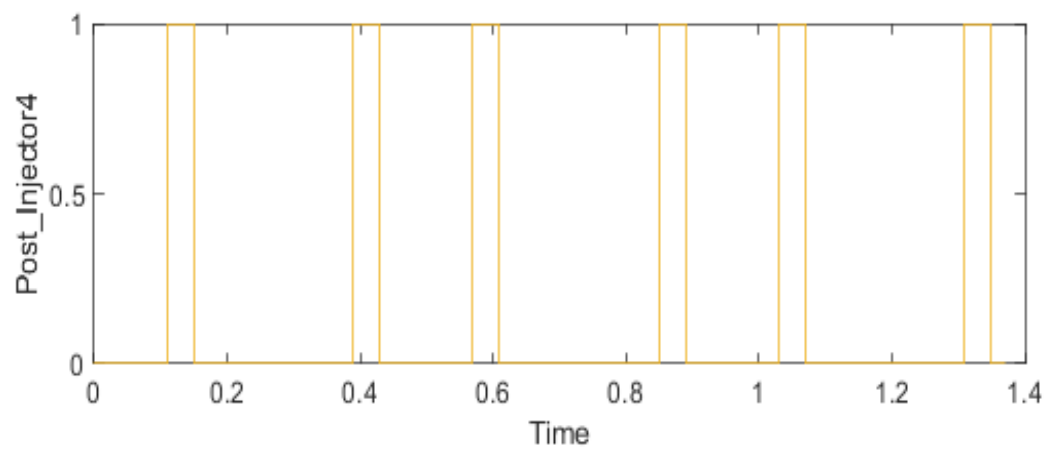
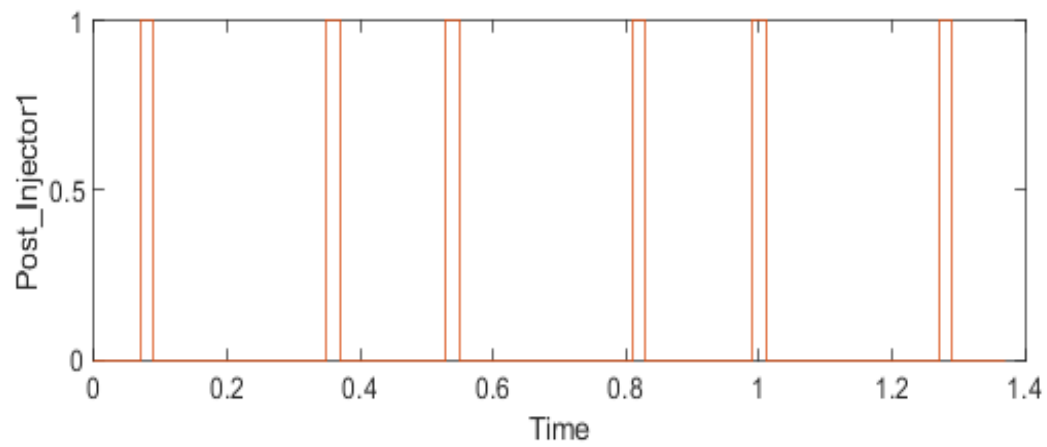
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Name	Data Type	Units	Sample Time	Interp	Sync
Manual_Regeneration_Start	boolean		0.01	zoh	union
Post_Injector2	boolean		0.01	zoh	union



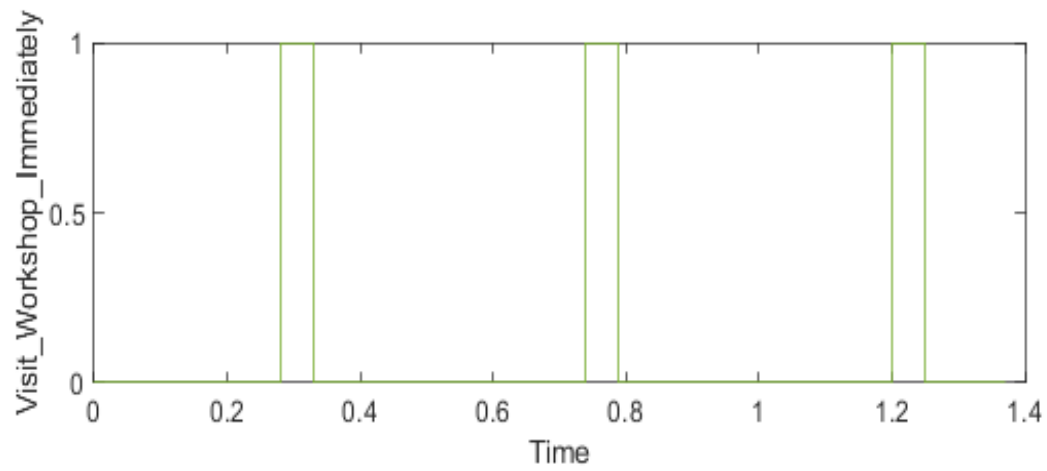
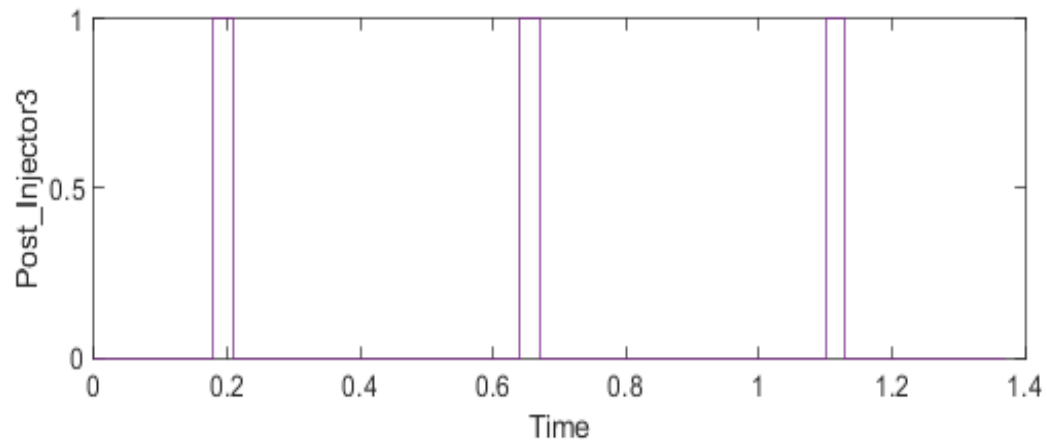
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector1	boolean		0.01	zoh	union
Post_Injector4	boolean		0.01	zoh	union



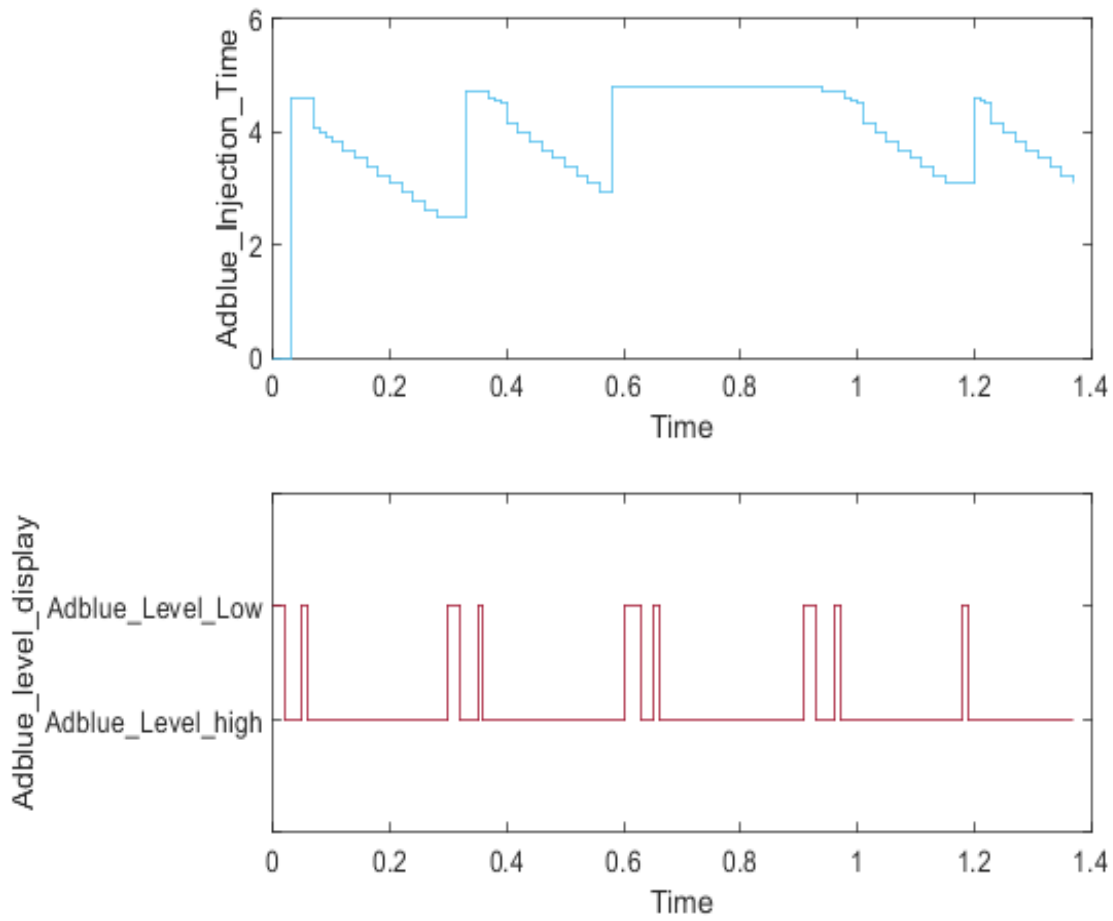
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Name	Data Type	Units	Sample Time	Interp	Sync
Post_Injector3	boolean		0.01	zoh	union
Visit_Workshop_Im mediately	boolean		0.01	zoh	union



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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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