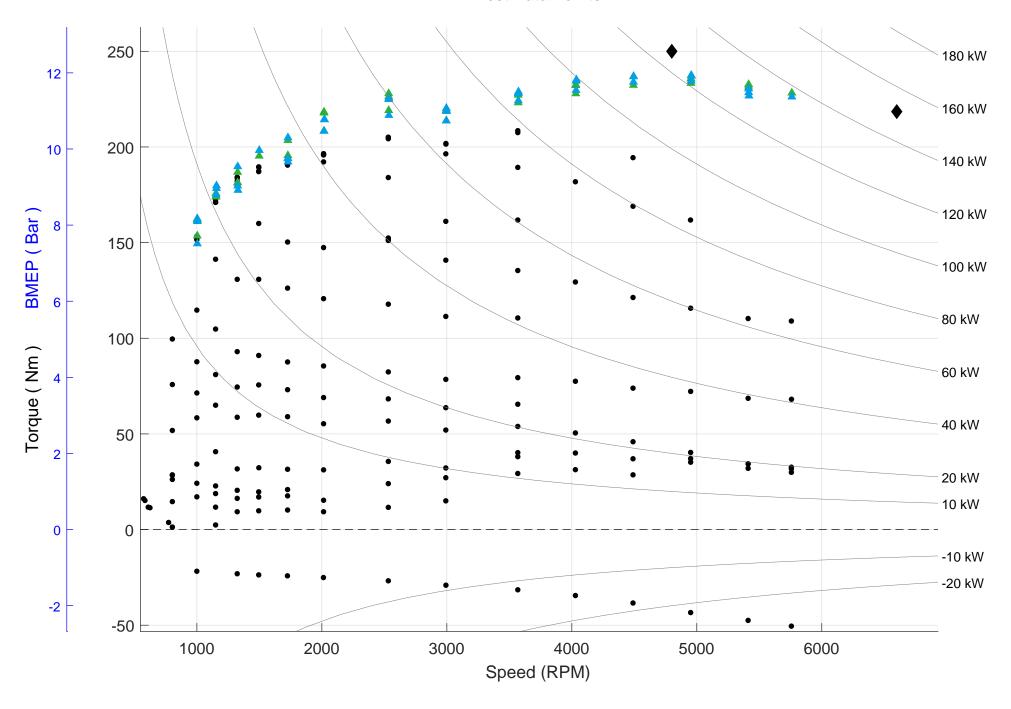
2018 Toyota 2.5L A25A-FKS Tier 2 Fuel - Test Data Plots

SUGGESTED CITATION: 2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Package. Version 2020-07. Ann Arbor, MI: US EPA, National Vehicle and Fuel Emissions Laboratory, National Center for Advanced Technology, 2020.

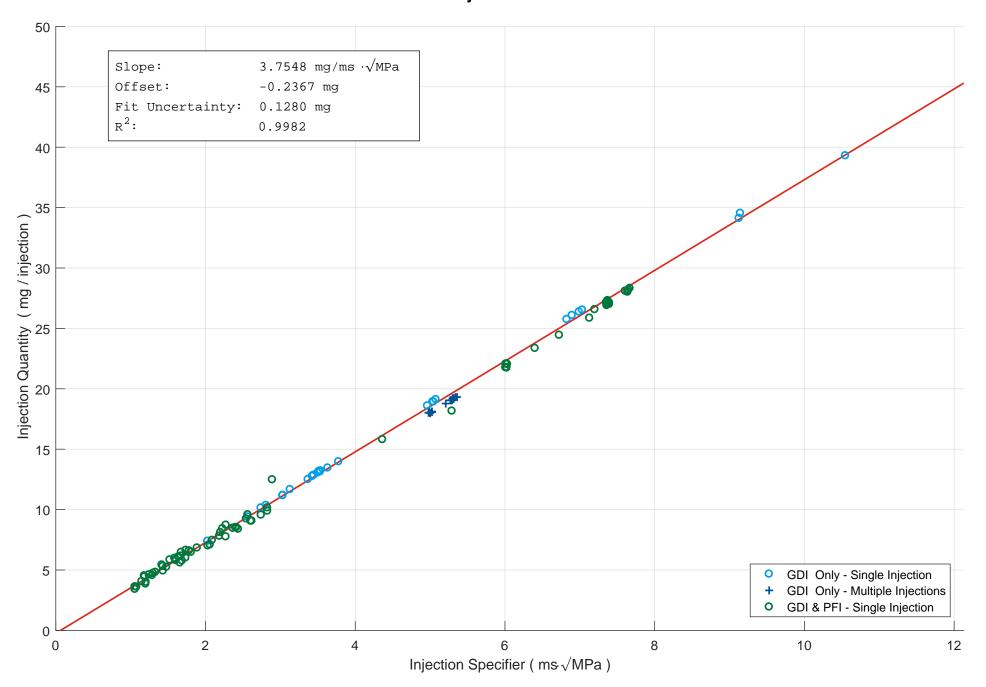
- ♦ Black diamonds indicate rated torque & power points advertised by the manufacturer
- Black dots indicate speed/load points at which steady state data was acquired
- △ Blue triangles indicate speed/load points at which initial data from the transient high load method was acquired
- ▲ Green triangles indicate speed/load points at which final data from the transient high load method was acquired
- × Red Xs indicate speed/load points where data was not collected or did not meet quality standards

Note: In these contour plots, individual data points may be ignored or removed, using our best engineering judgment, to correct irregularities in the visual presentation of the contour lines; additional details are contained in the test report.

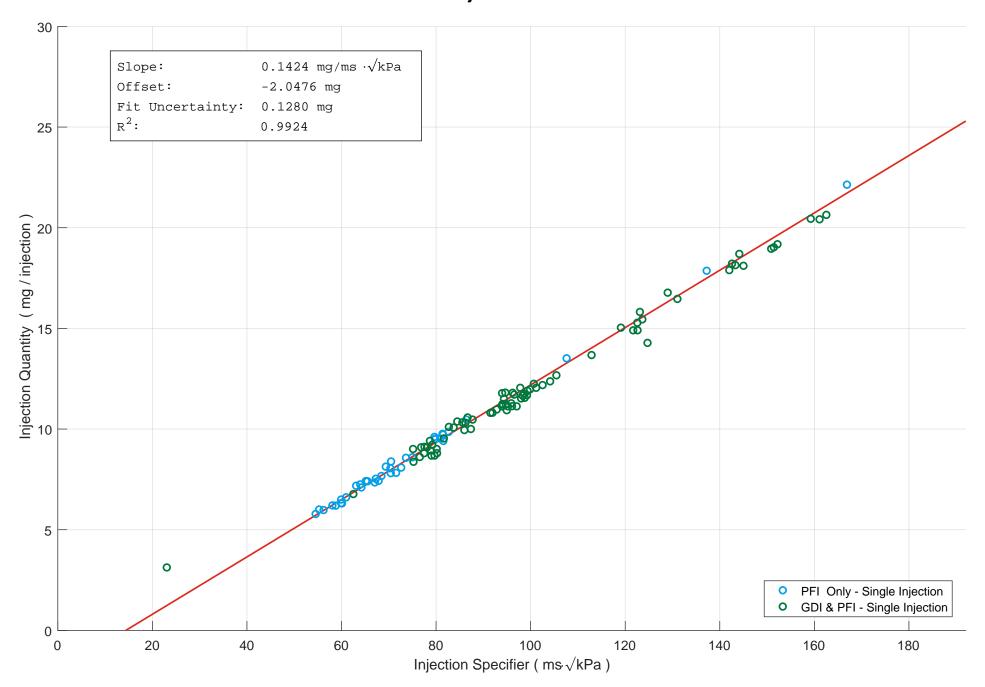
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Test Data Points



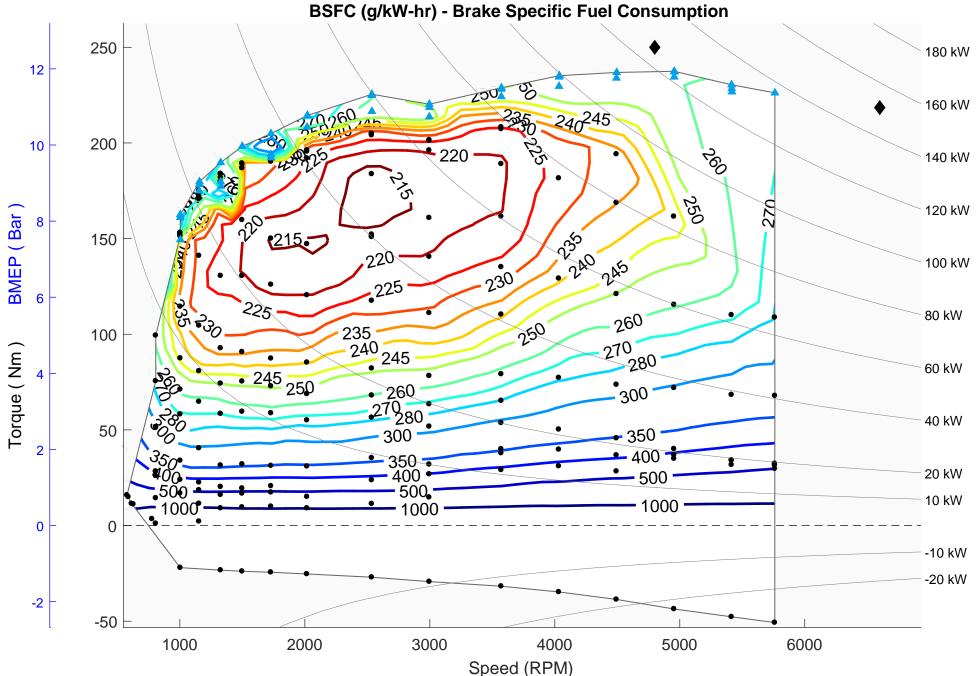
2018 Toyota 2.5L A25A-FKS Tier 2 Fuel - Test Data Plots GDI Injector Calibration



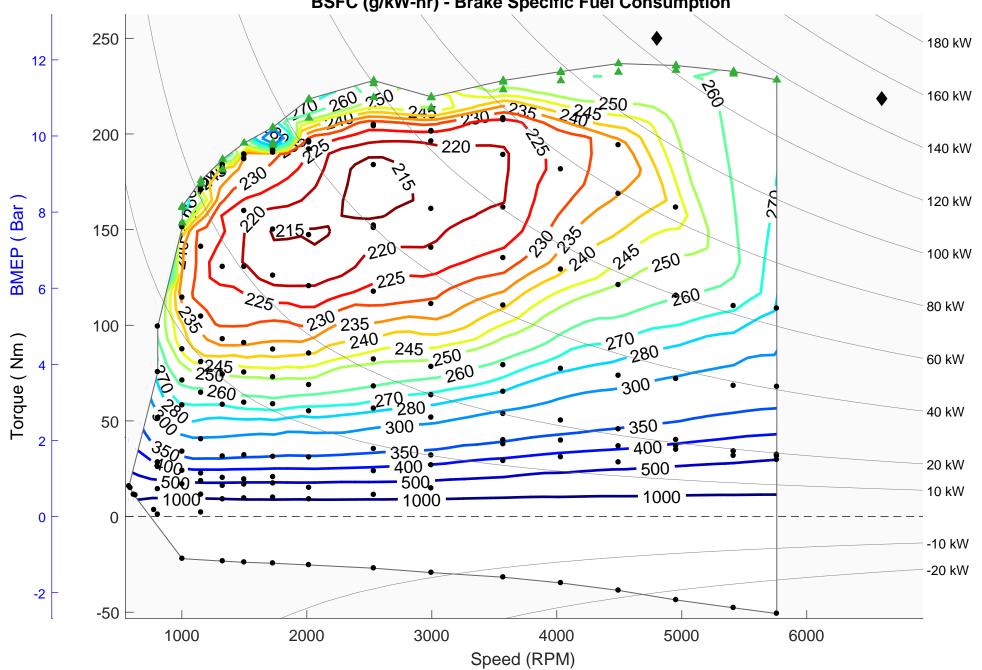
2018 Toyota 2.5L A25A-FKS Tier 2 Fuel - Test Data Plots PFI Injector Calibration



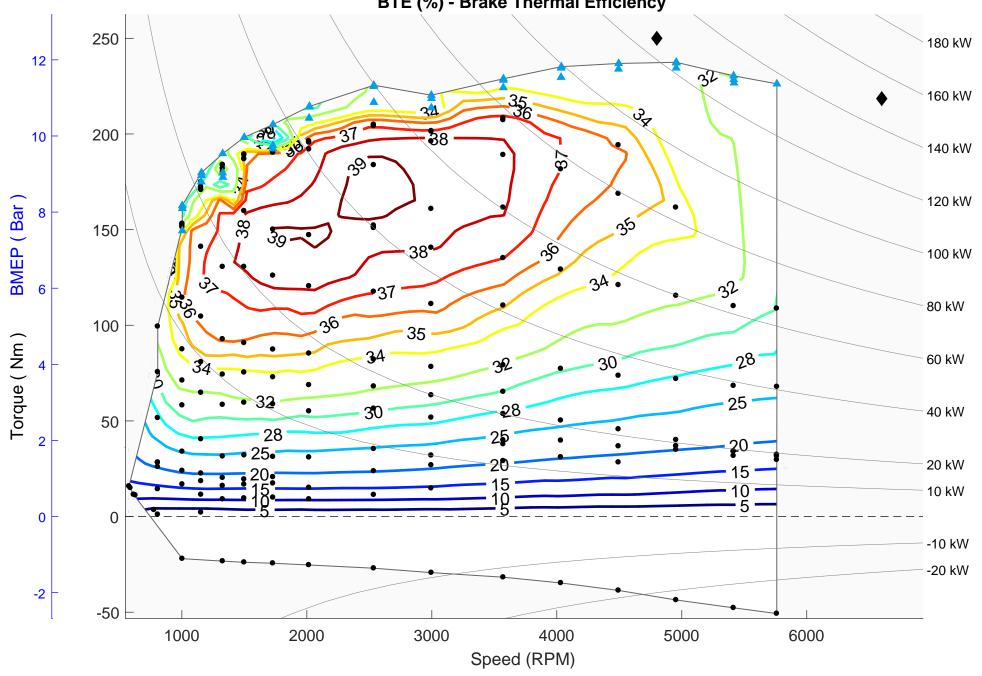
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Initial PSEC (g/kW br) Proke Specific Evol Consumption



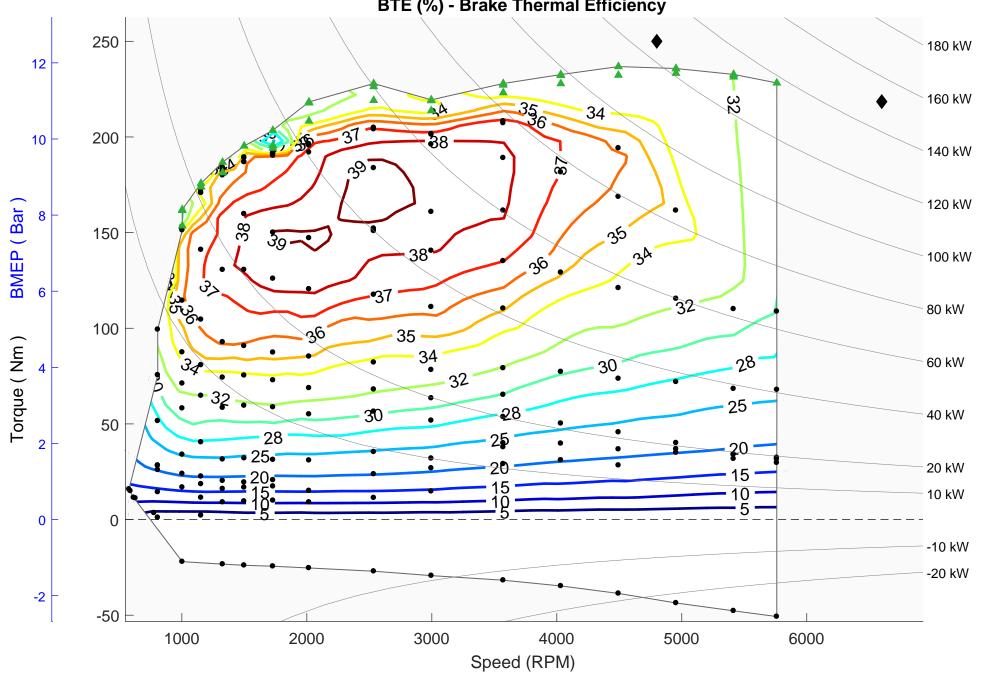
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Final BSFC (g/kW-hr) - Brake Specific Fuel Consumption

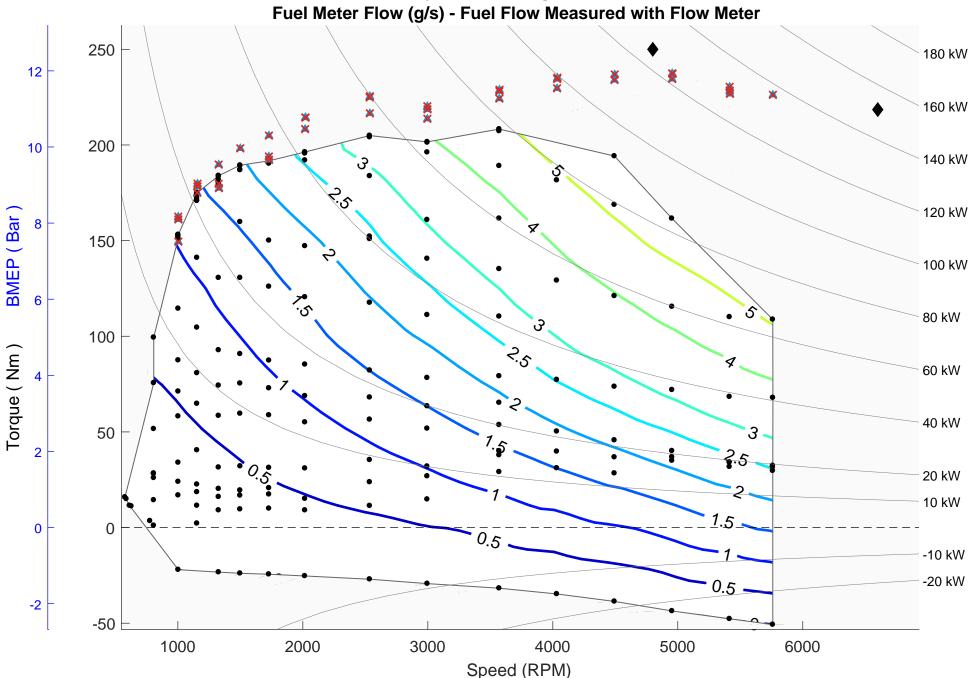


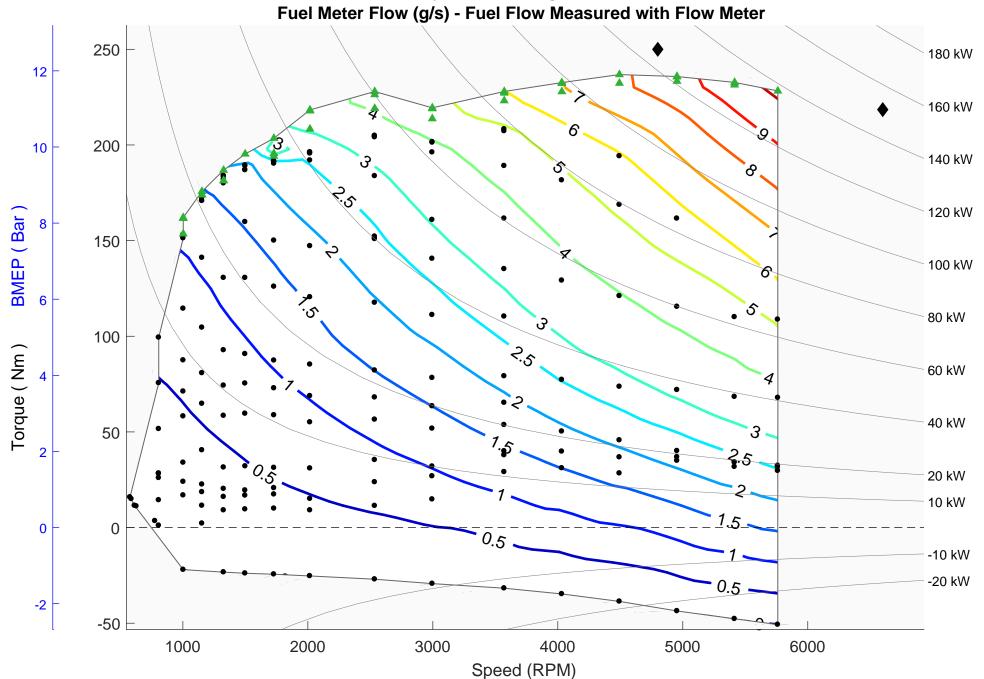
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Initial BTE (%) - Brake Thermal Efficiency

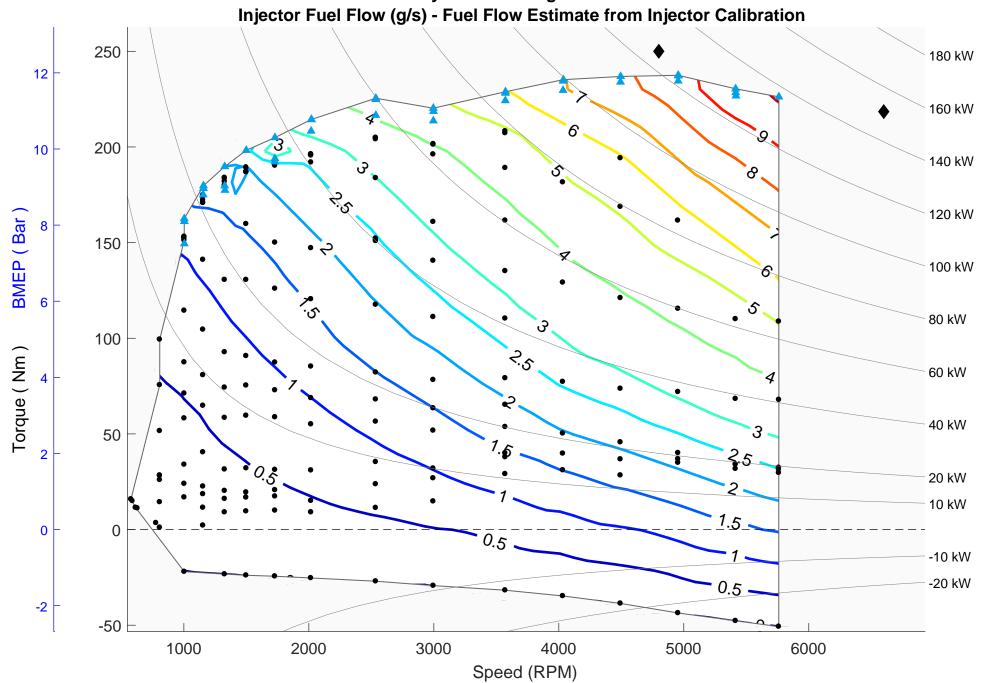


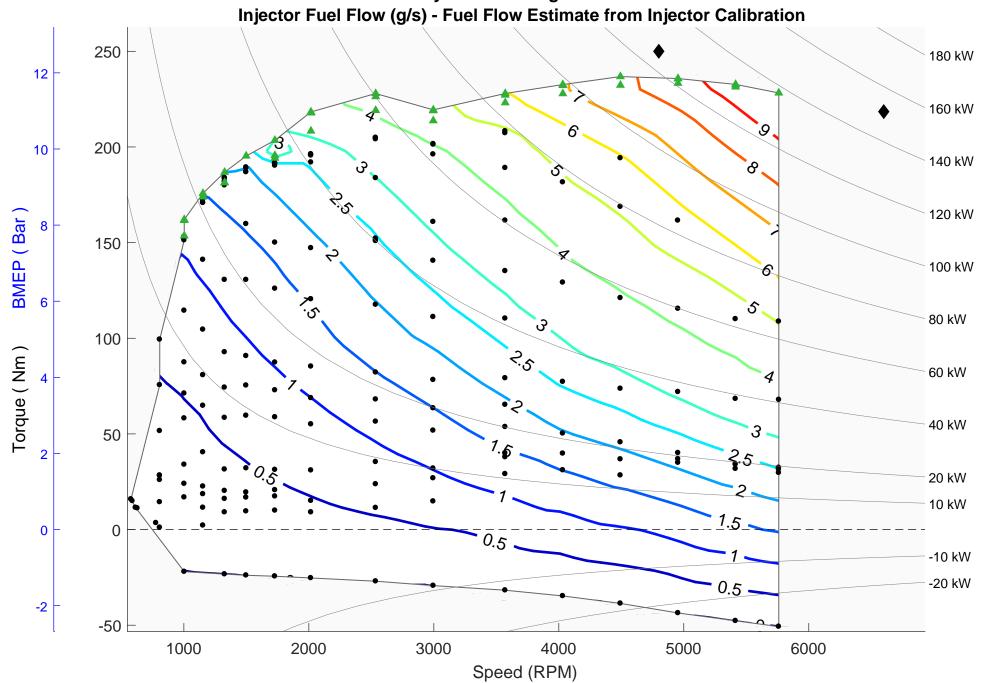
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Final BTE (%) - Brake Thermal Efficiency

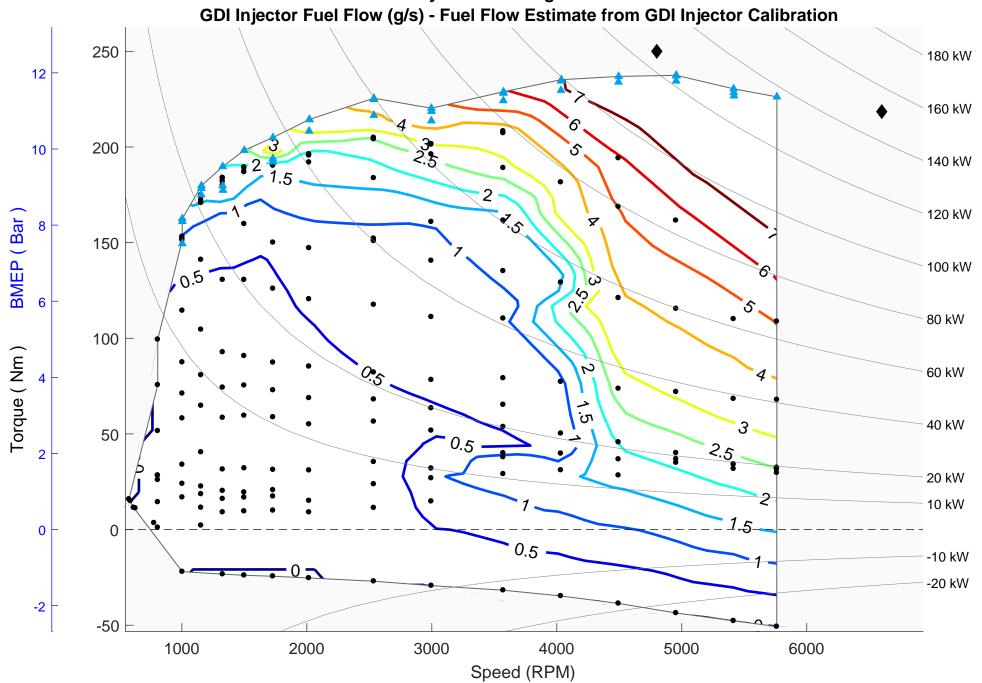


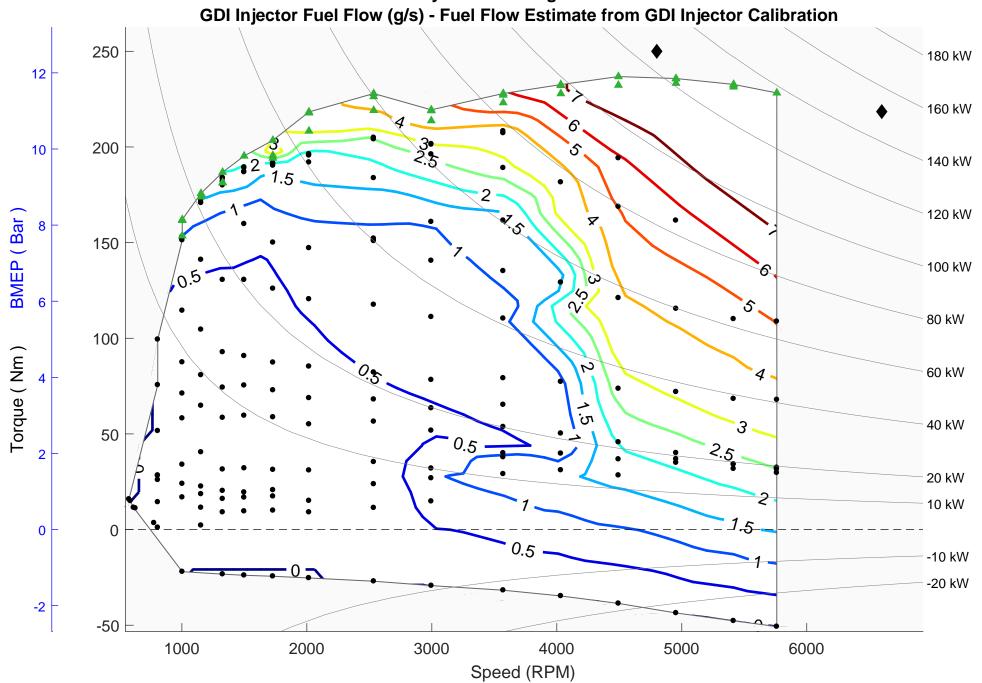




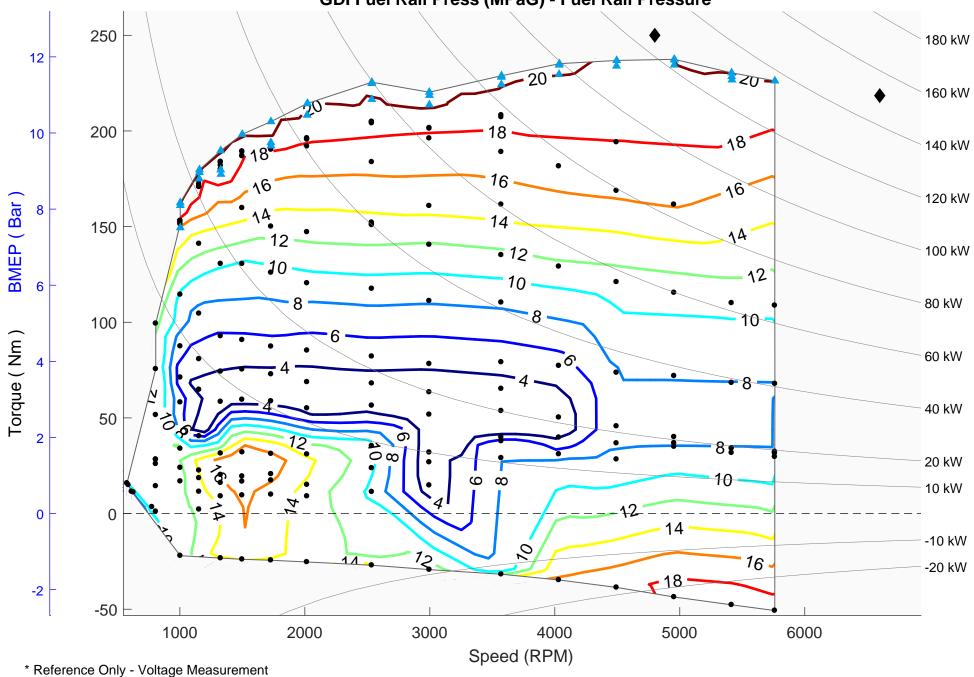




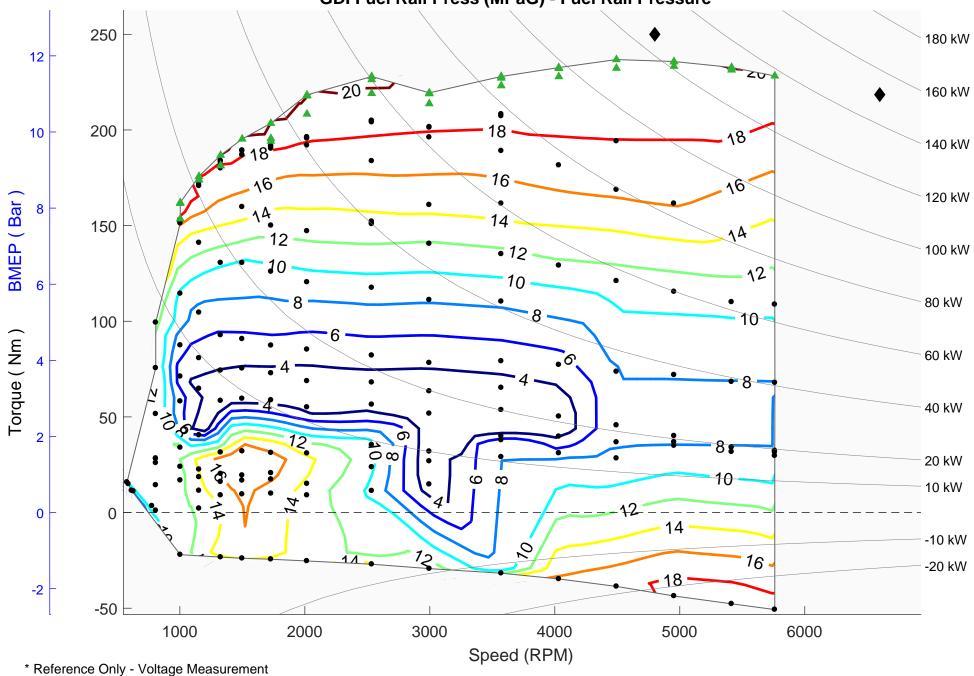


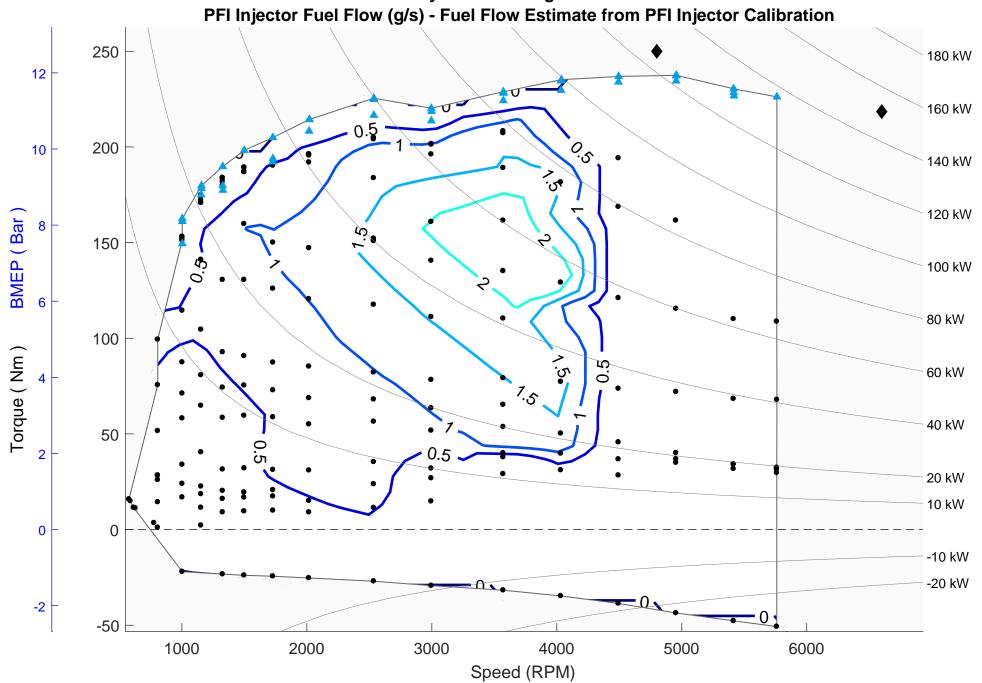


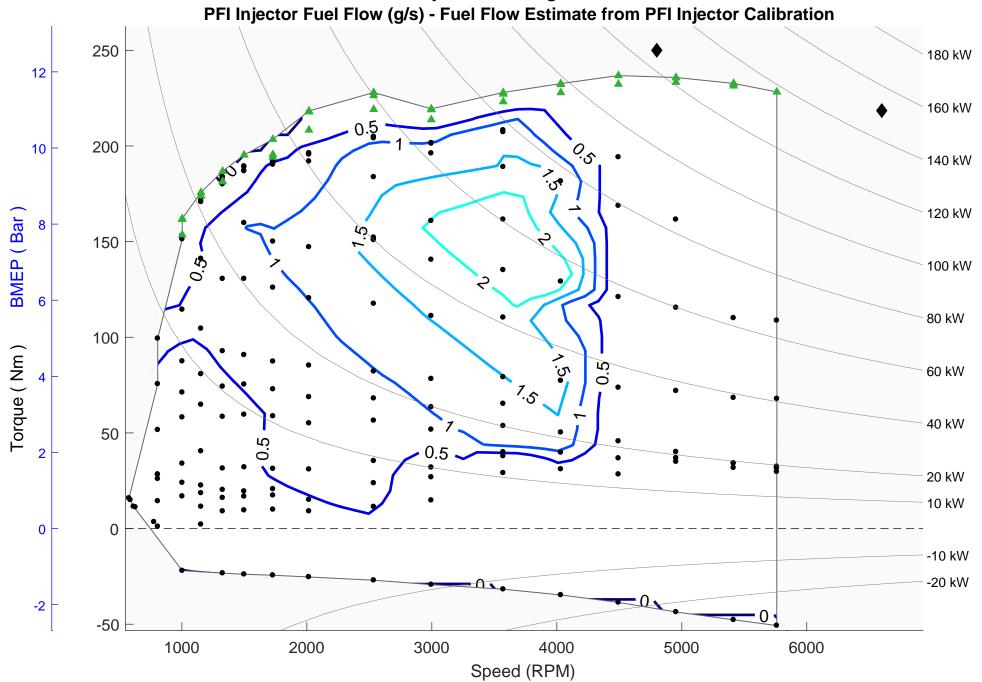
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Initial GDI Fuel Rail Press (MPaG) - Fuel Rail Pressure*



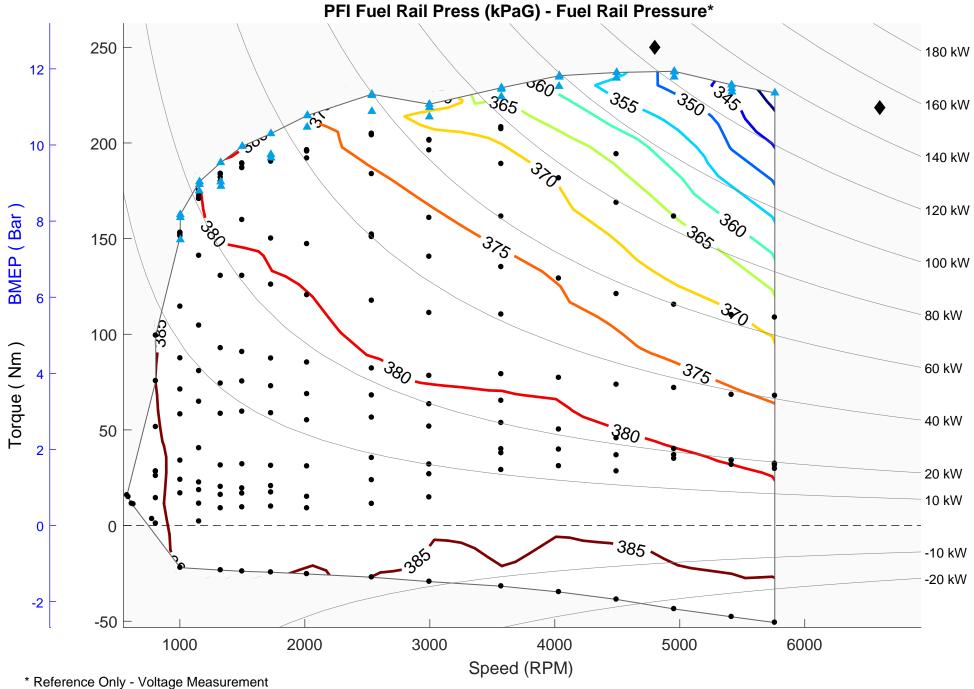
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Final GDI Fuel Rail Press (MPaG) - Fuel Rail Pressure*



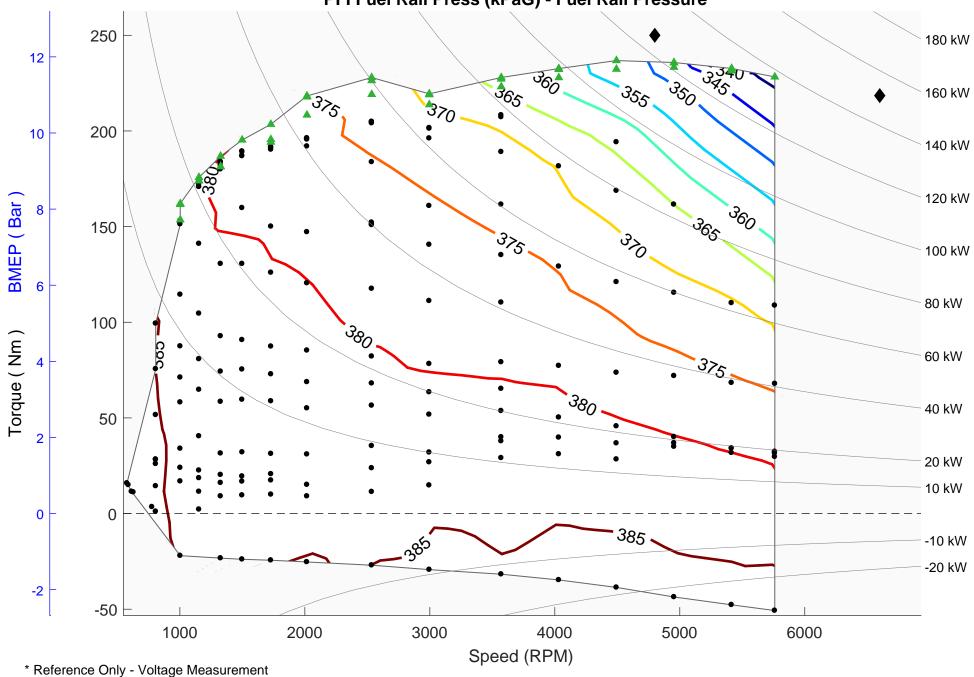


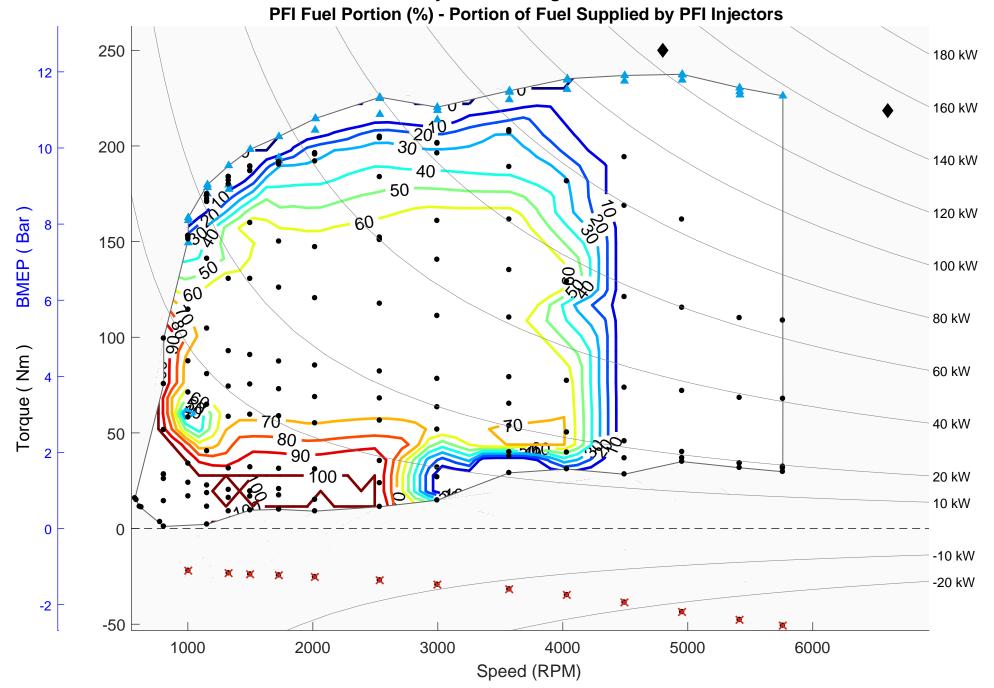


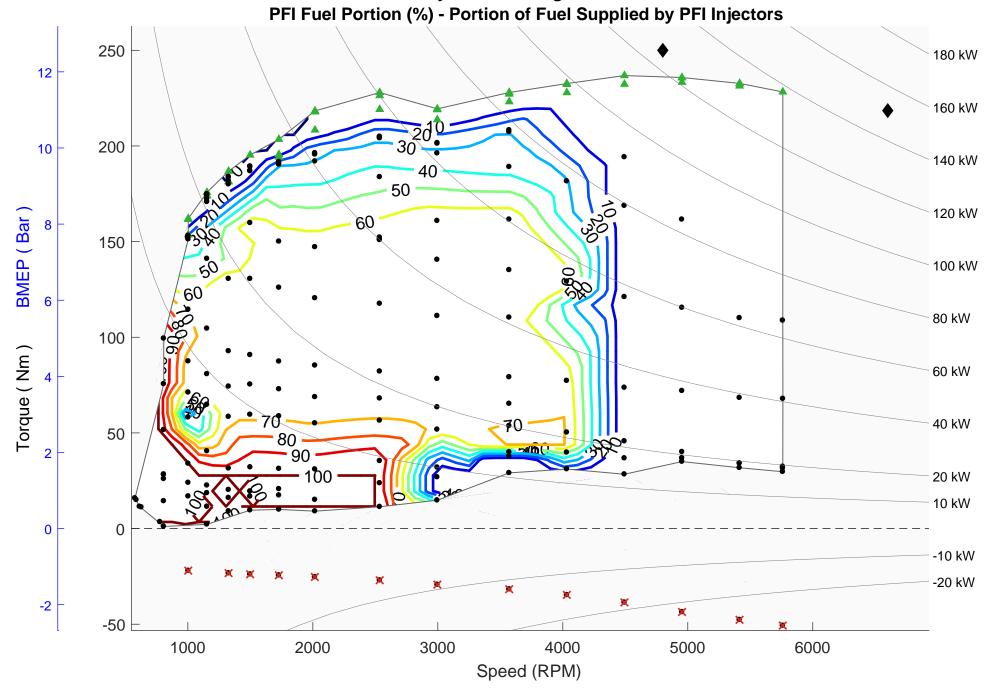
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Initial PEL Fuel Pail Proce (kPaC) Fuel Pail Procesure*

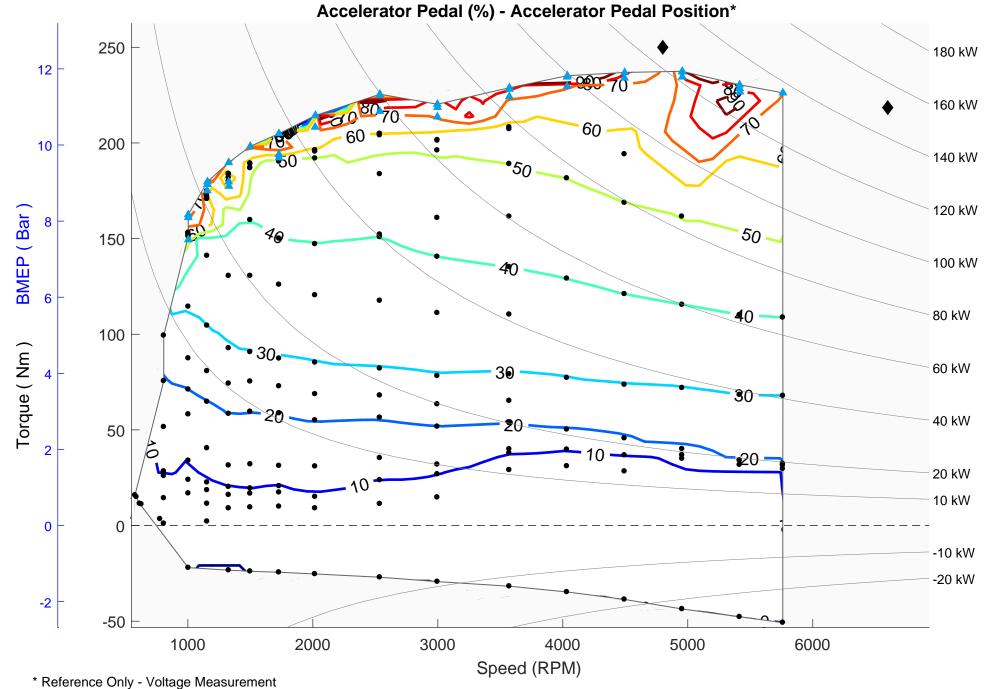


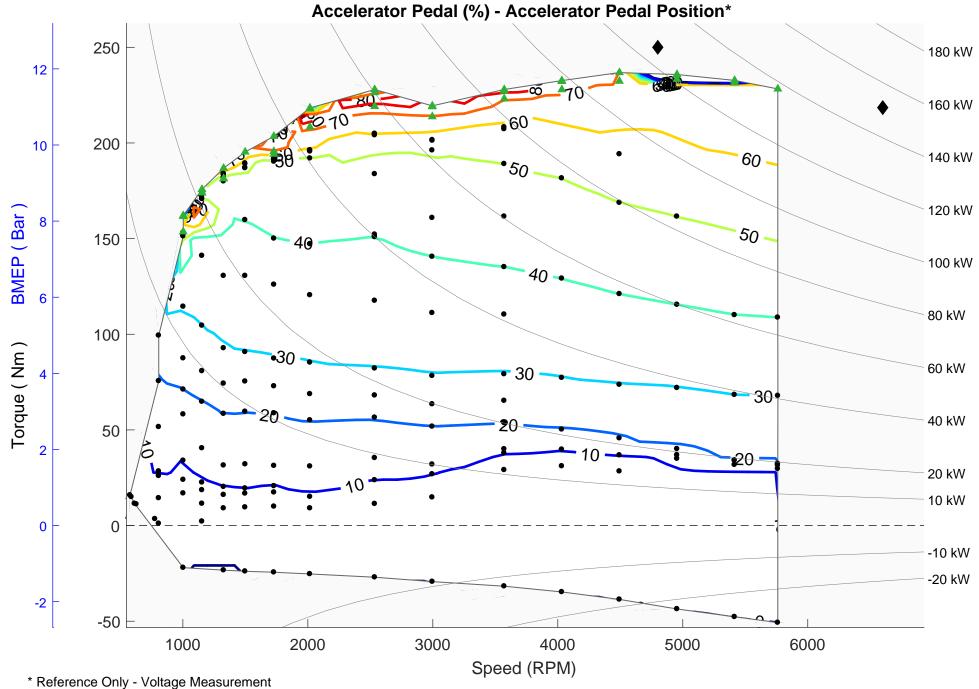
2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Final PFI Fuel Rail Press (kPaG) - Fuel Rail Pressure*

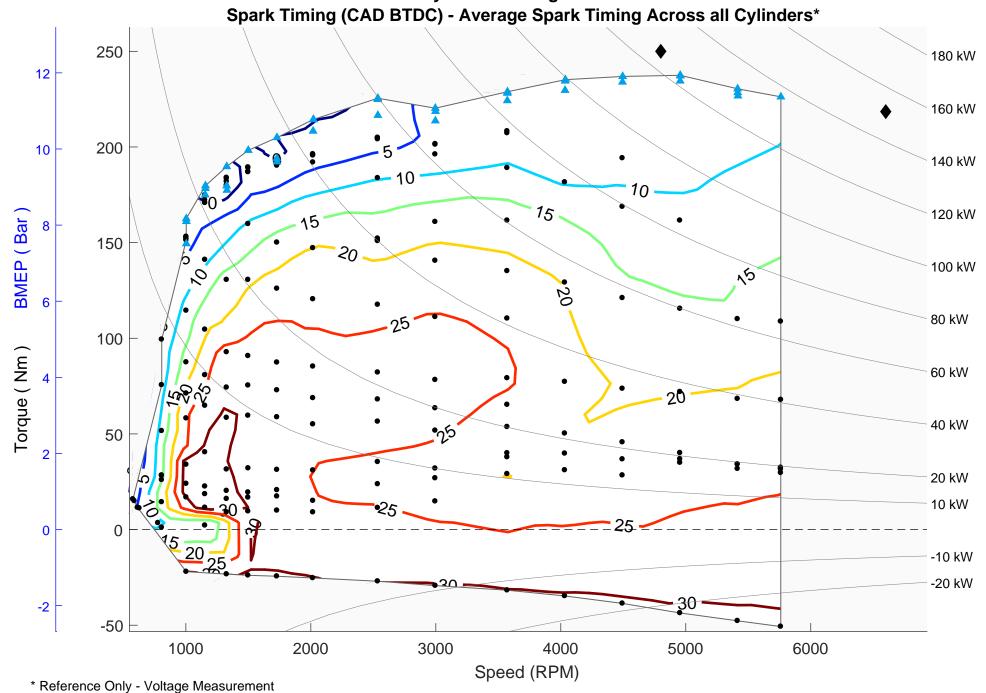


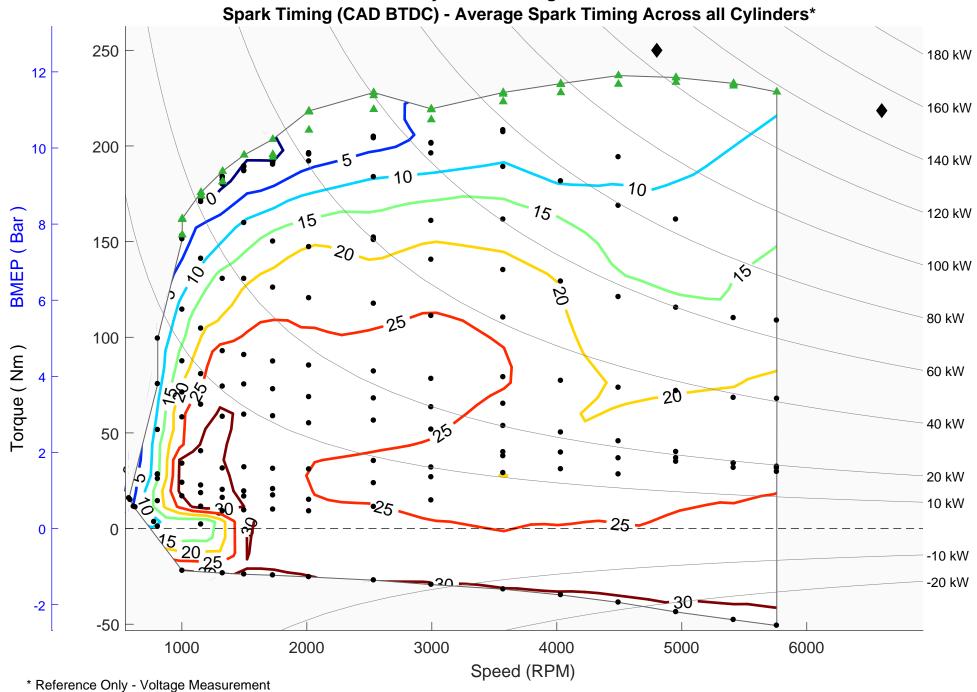


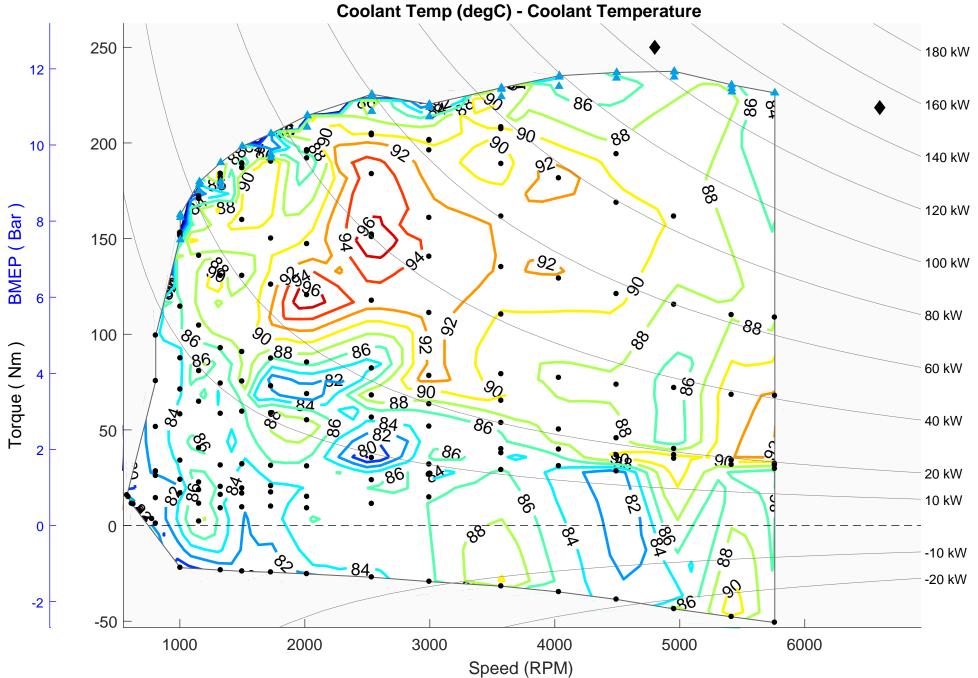


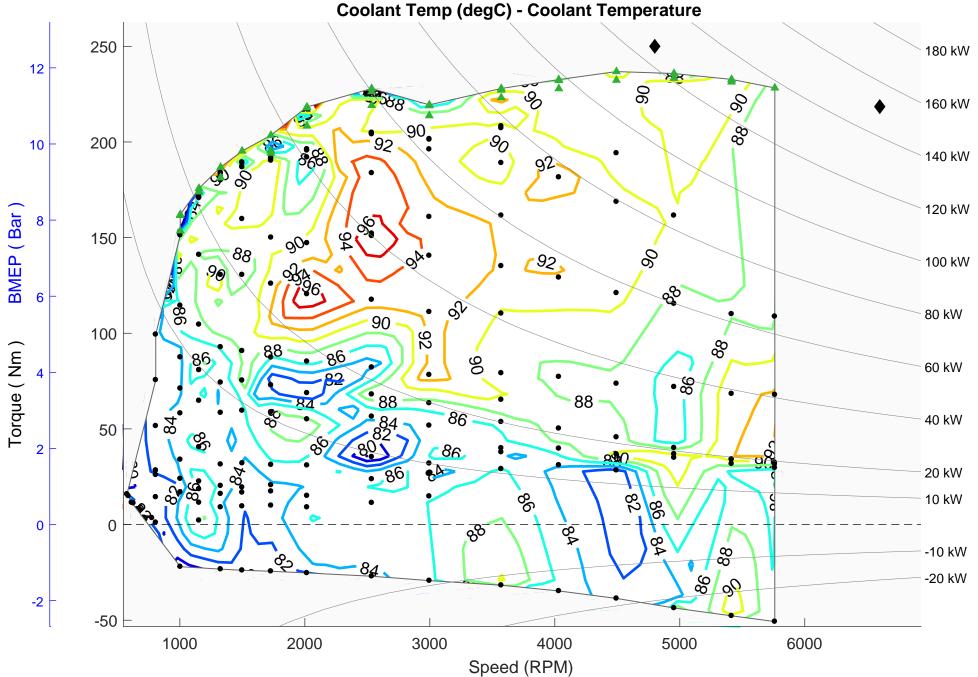




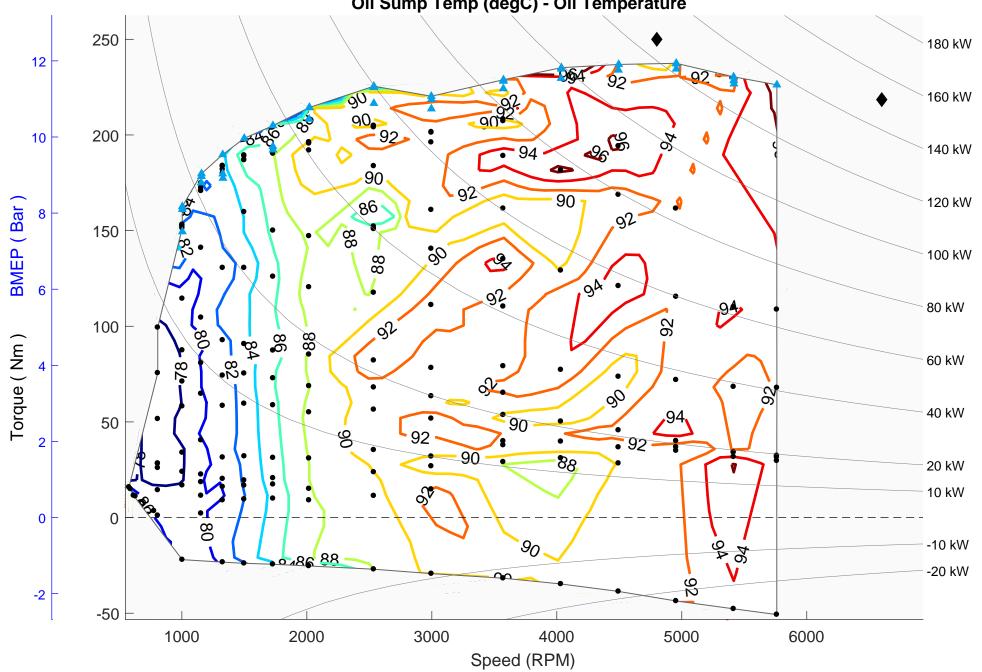








2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Initial Oil Sump Temp (degC) - Oil Temperature



2018 Toyota 2.5L A25A-FKS Engine Tier 2 Fuel - Test Data Plots Steady State and High Load Final Oil Sump Temp (degC) - Oil Temperature

