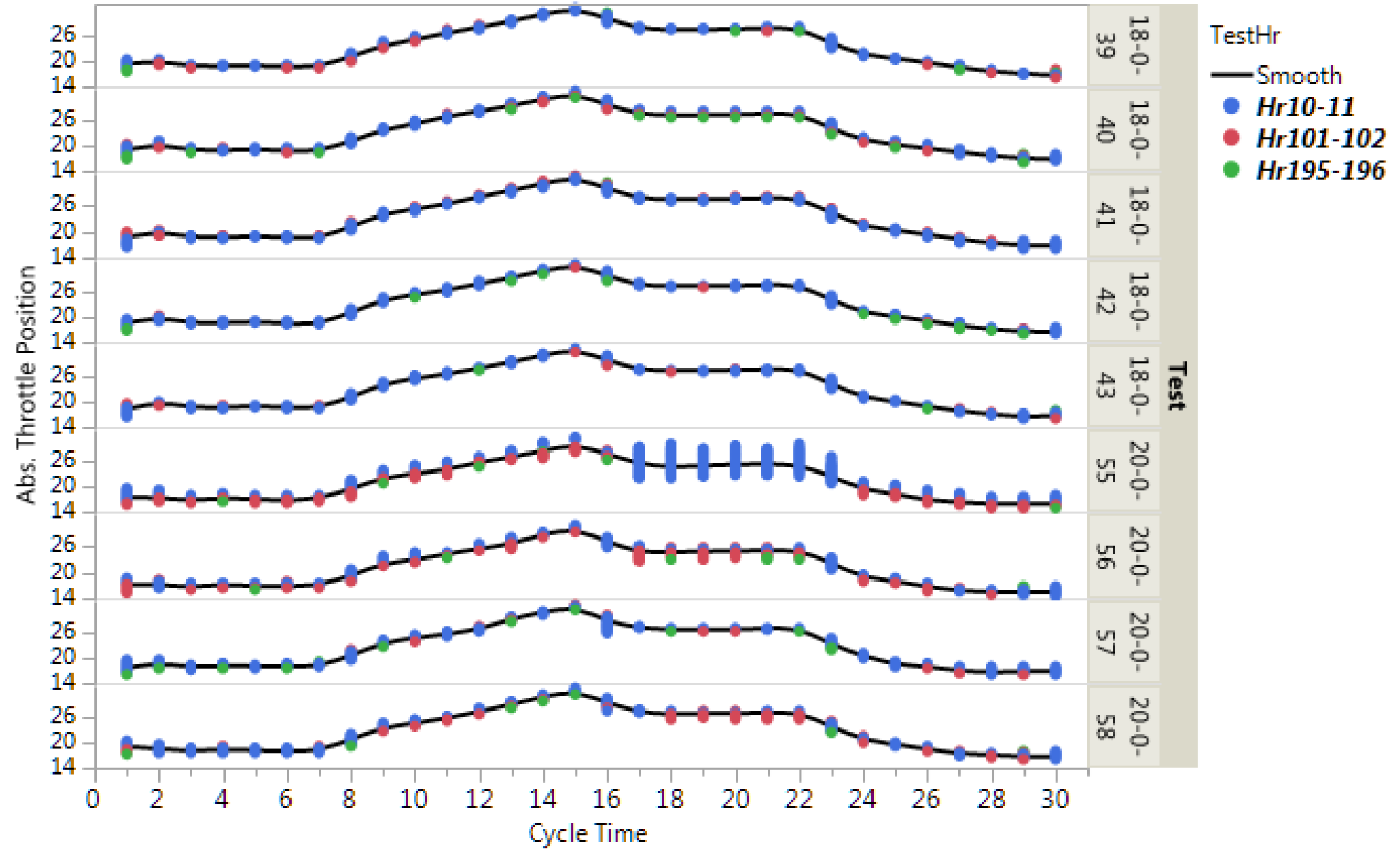


SwRI Lab Operational Plots

By: Stats Group

02-28-18

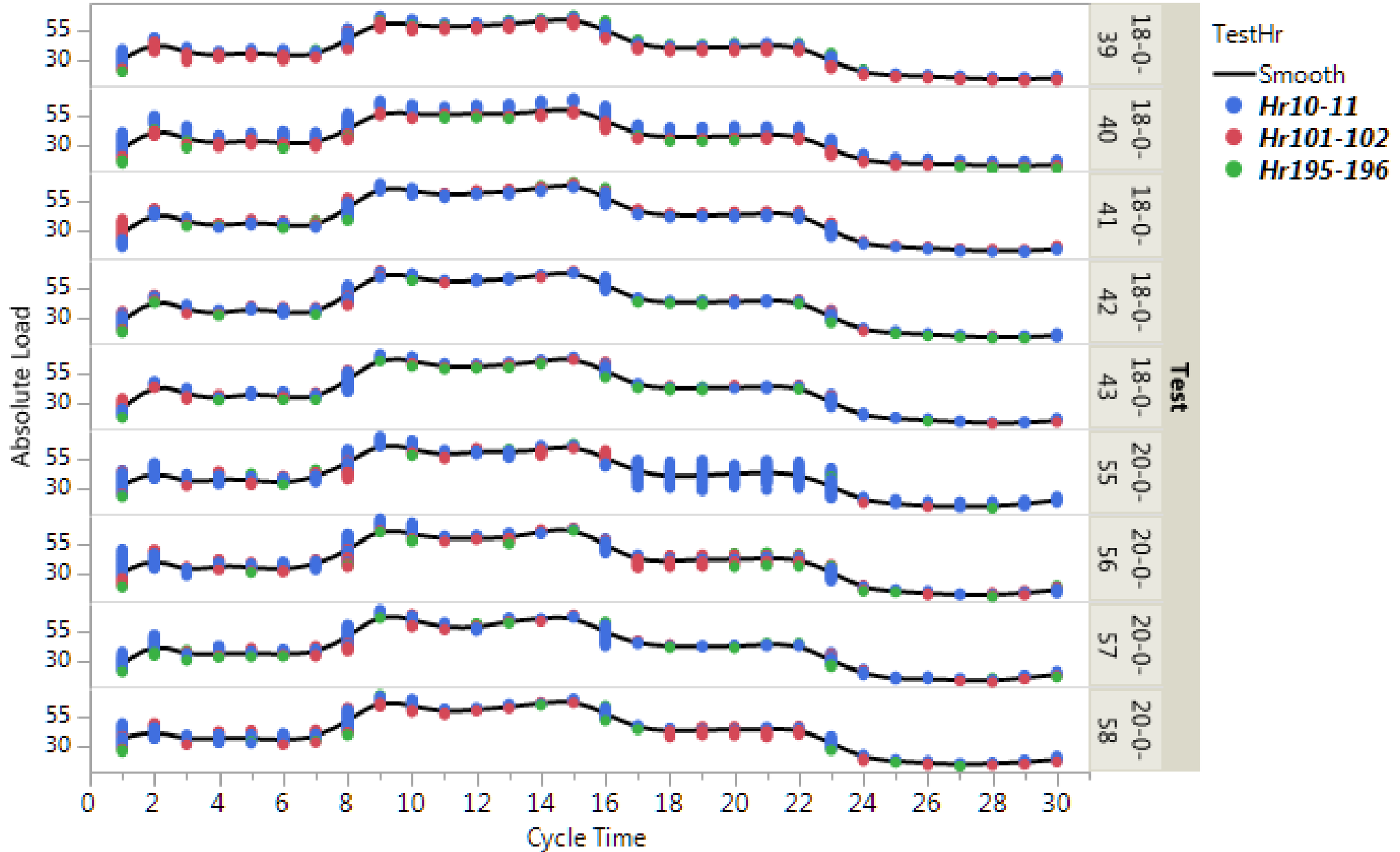
Abs. Throttle Position vs. Cycle Time



Where(LAB = Southwest)

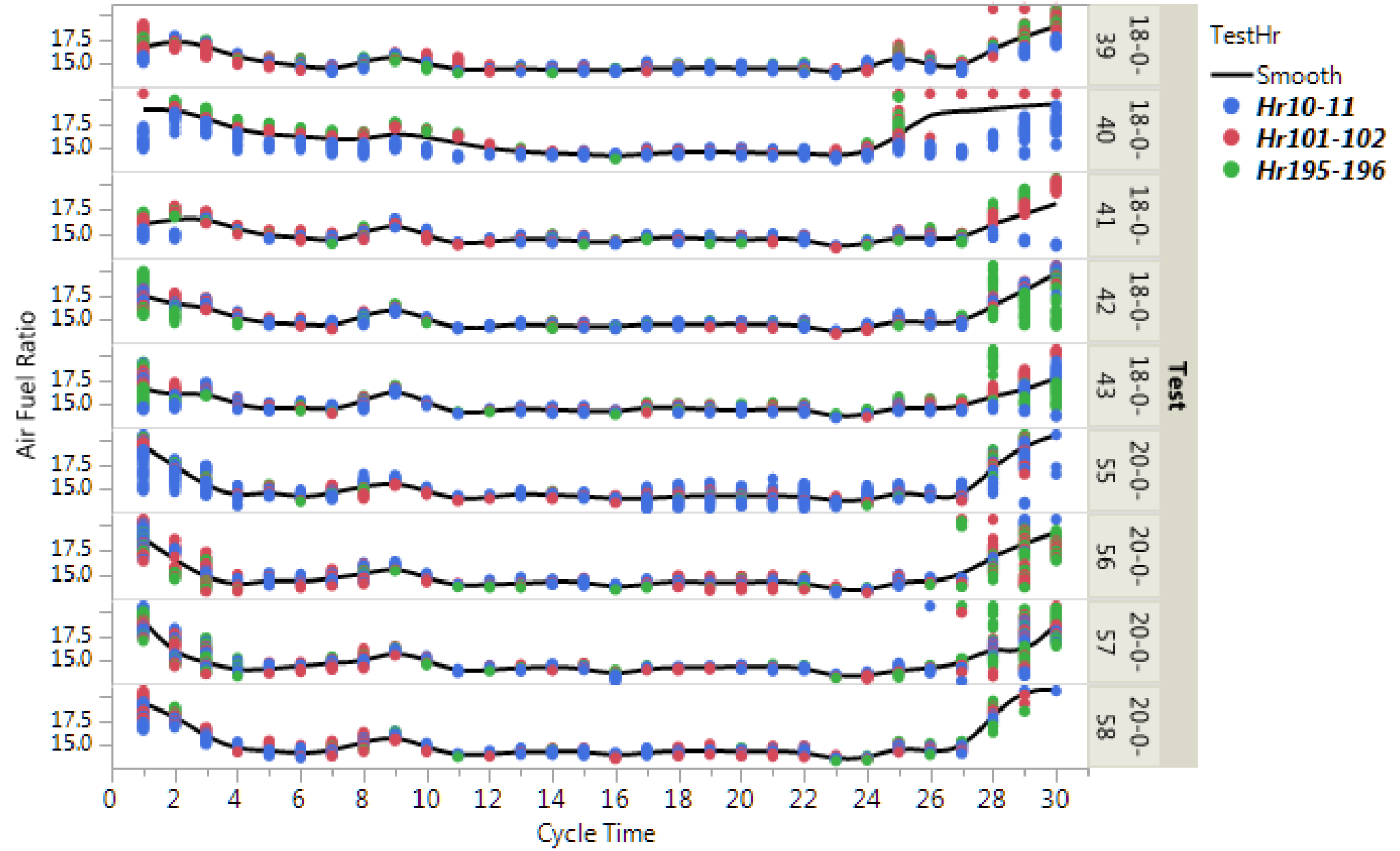
Graph Builder

Absolute Load vs. Cycle Time



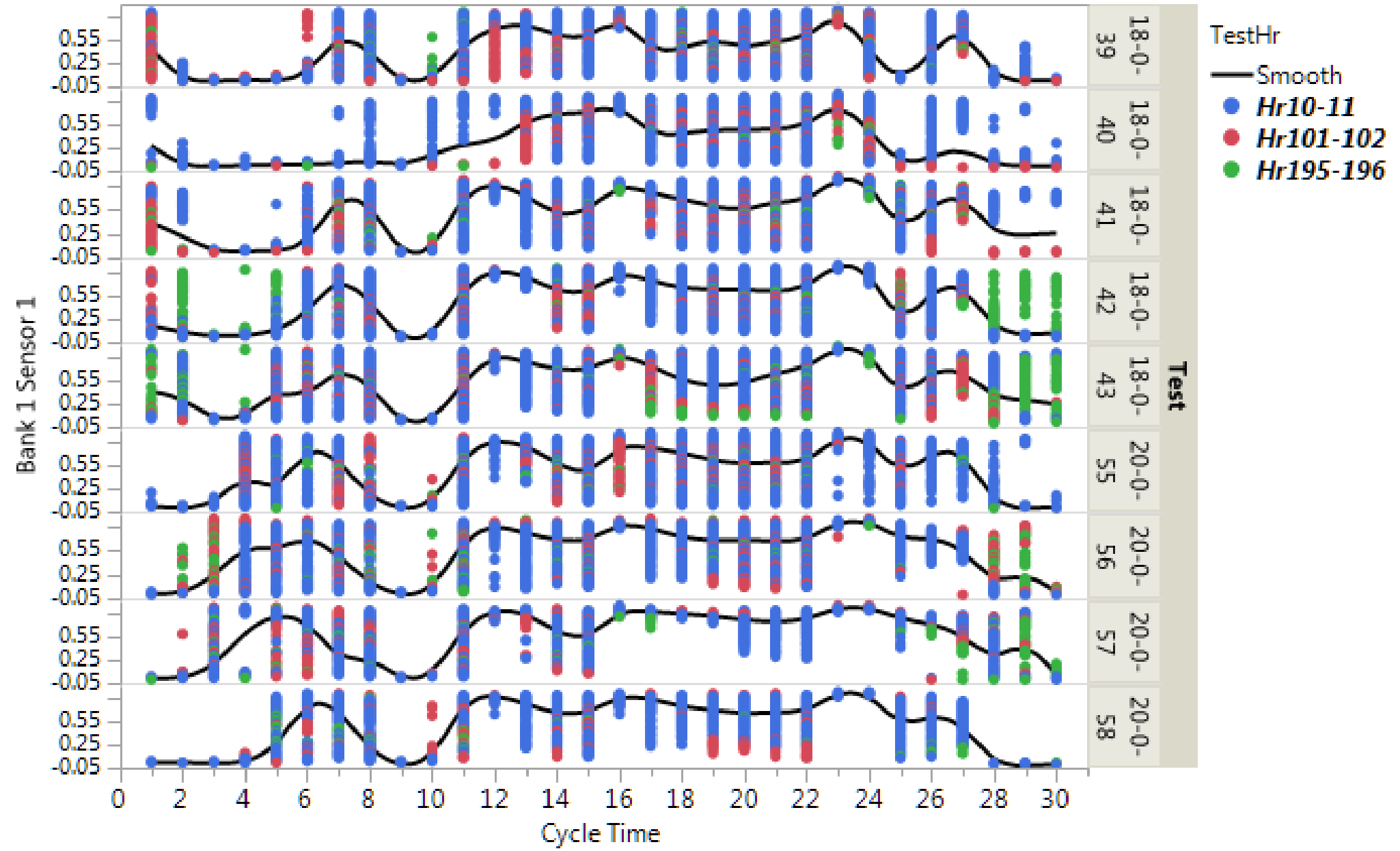
Where(LAB = Southwest)

Air Fuel Ratio vs. Cycle Time



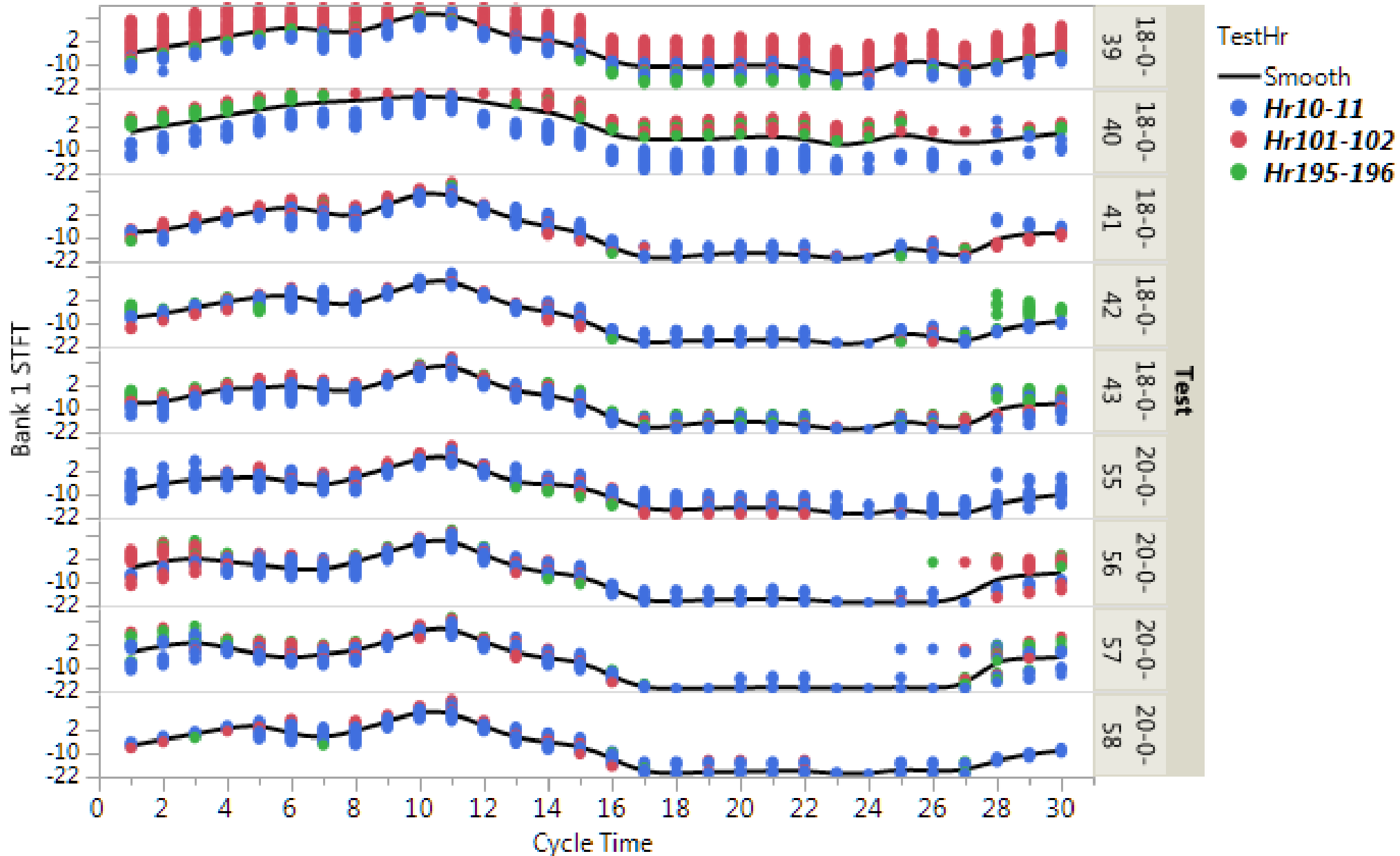
Where(LAB = Southwest)

Bank 1 Sensor 1 vs. Cycle Time



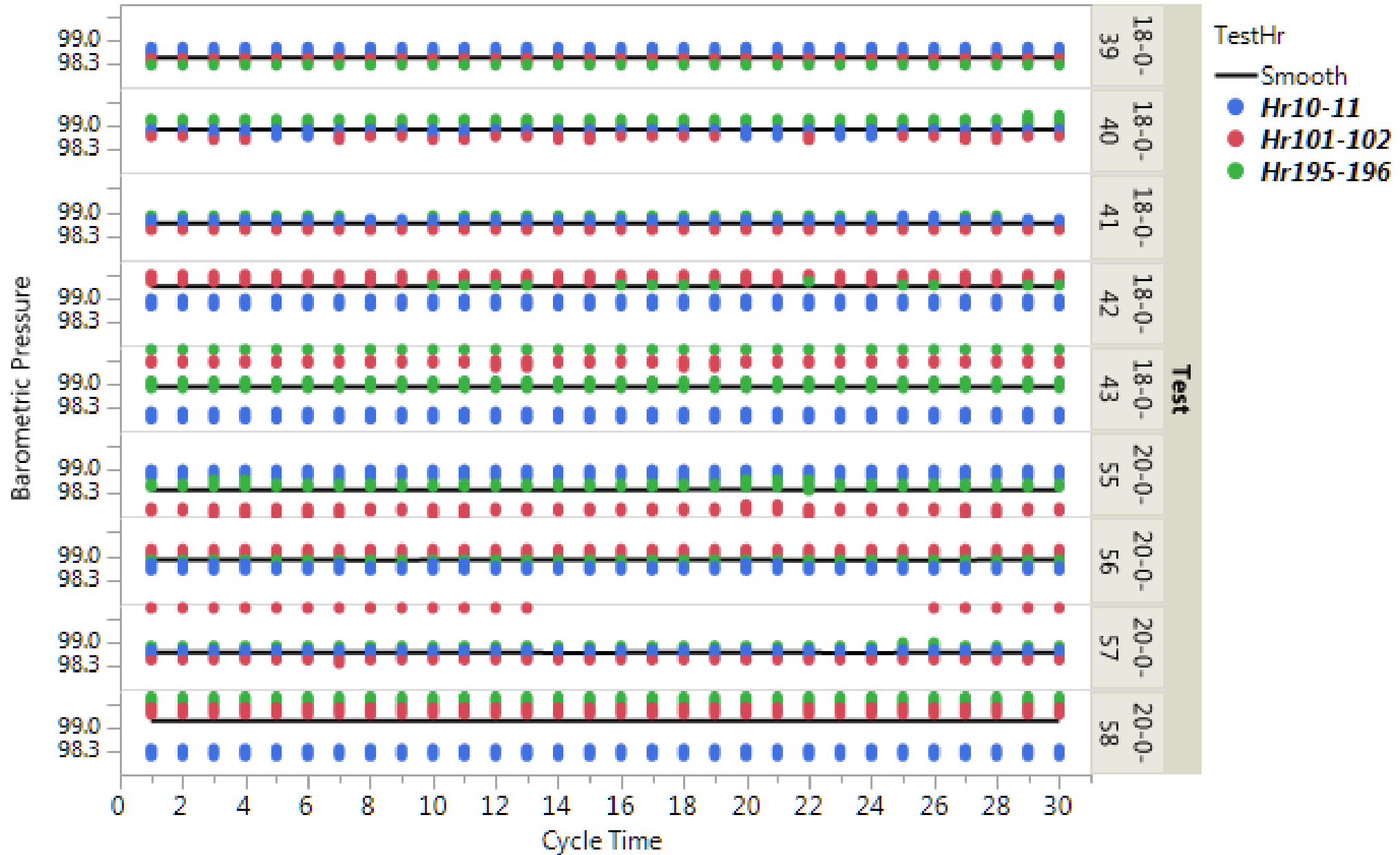
Where(LAB = Southwest)

Bank 1 STFT vs. Cycle Time



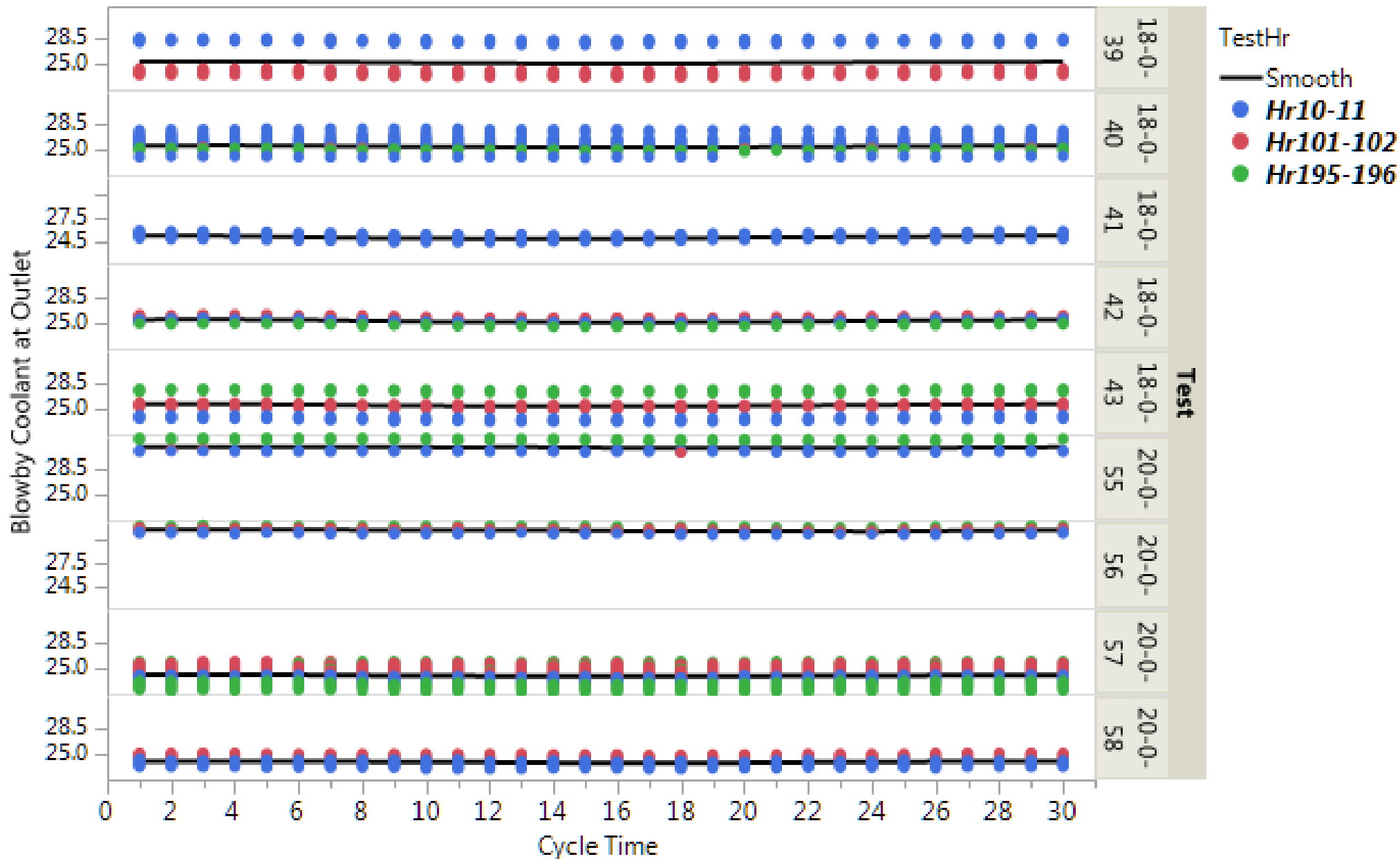
Where(LAB = Southwest)

Barometric Pressure vs. Cycle Time



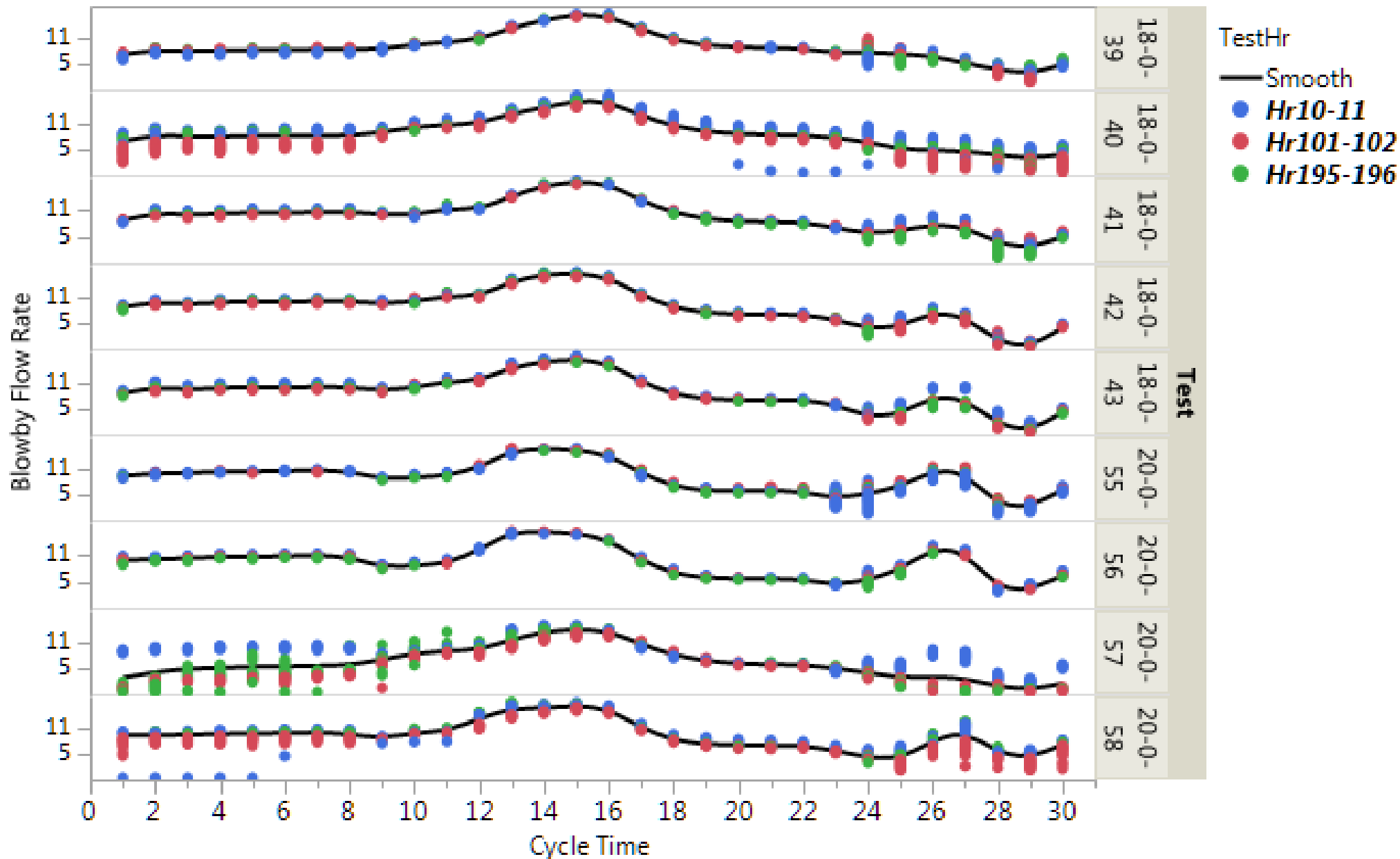
Where(LAB = Southwest)

Blowby Coolant at Outlet vs. Cycle Time



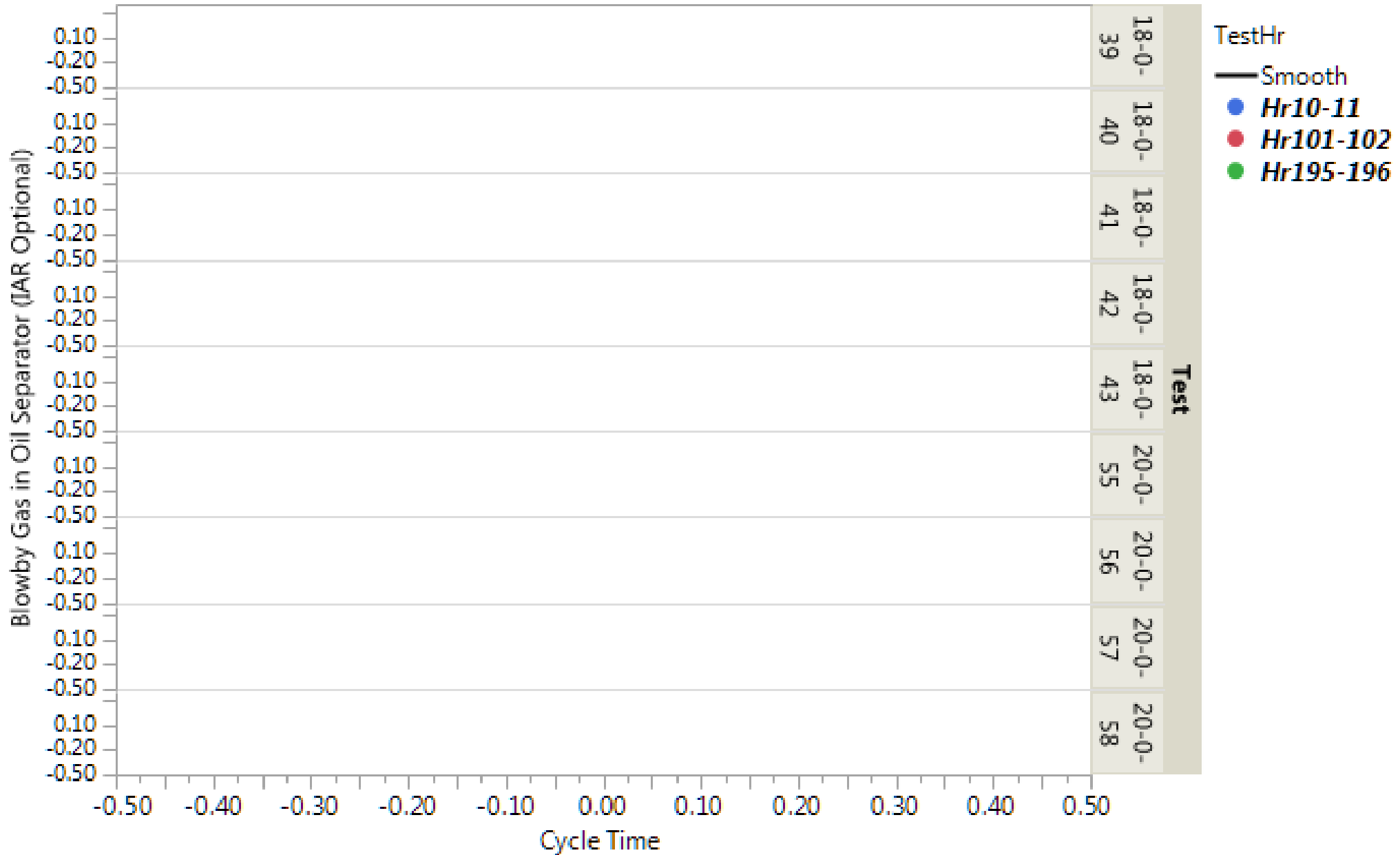
Where(LAB = Southwest)

Blowby Flow Rate vs. Cycle Time



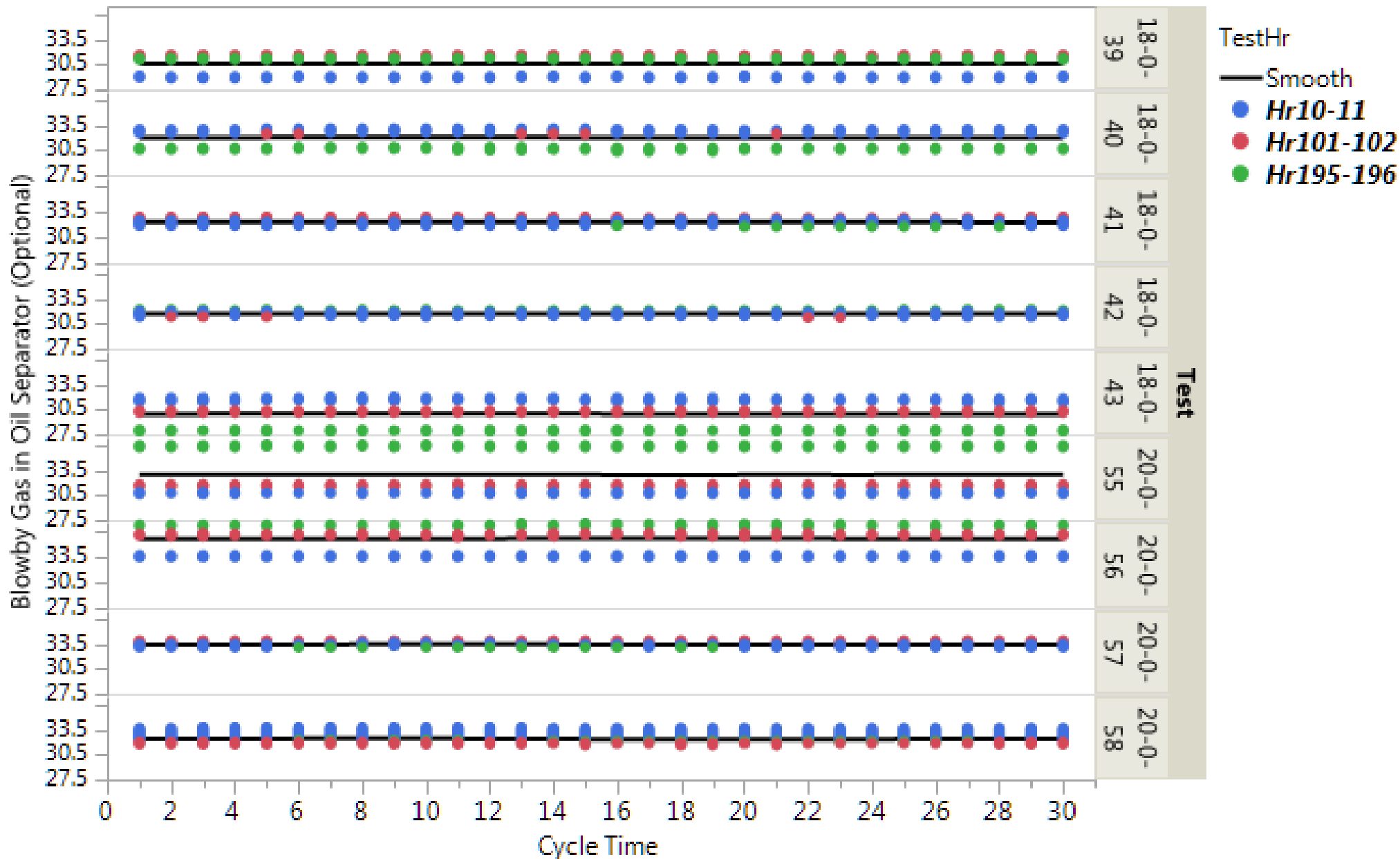
Where(LAB = Southwest)

Blowby Gas in Oil Separator (IAR Optional) vs. Cycle Time



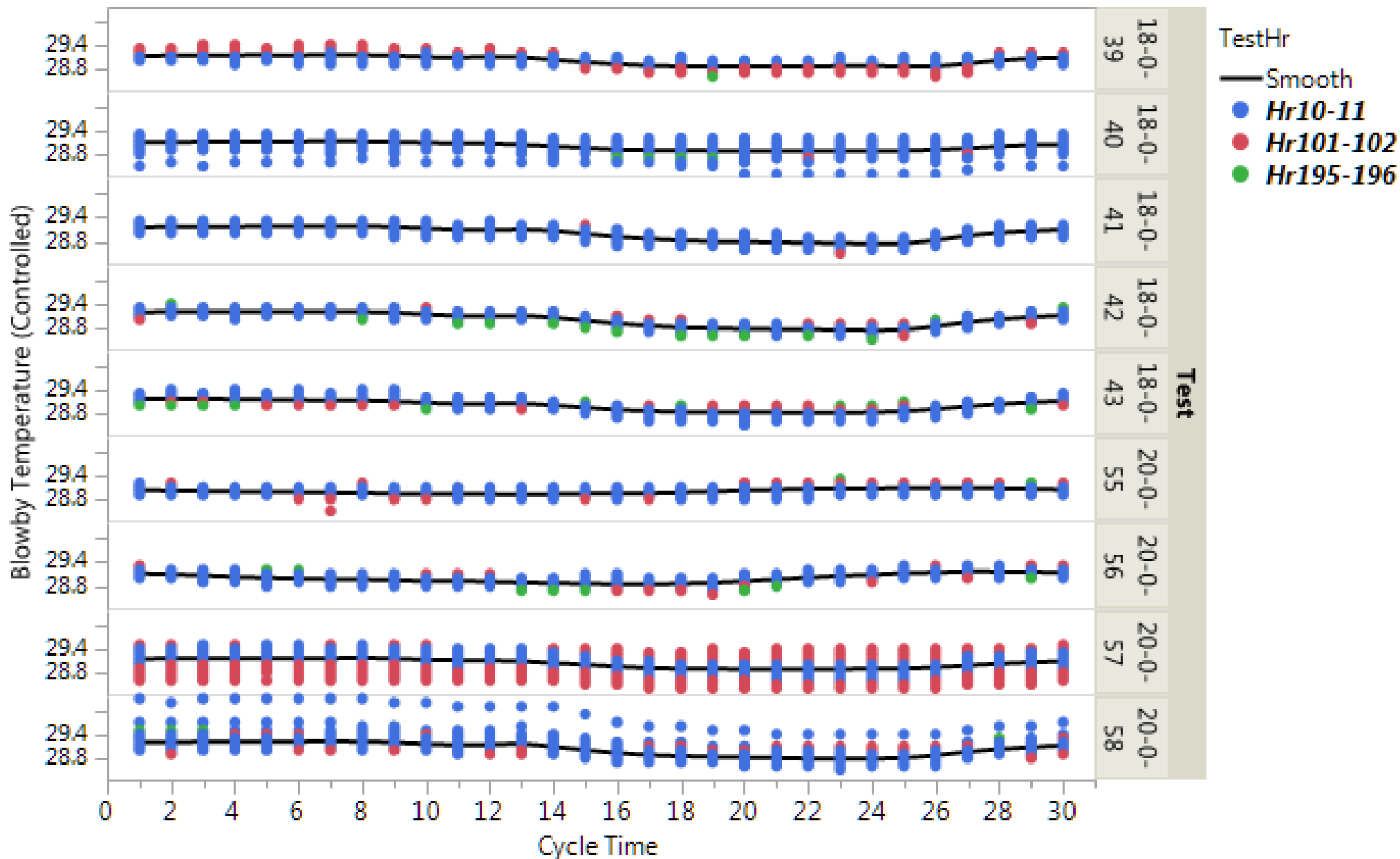
Where(LAB = Southwest)

Blowby Gas in Oil Separator (Optional) vs. Cycle Time



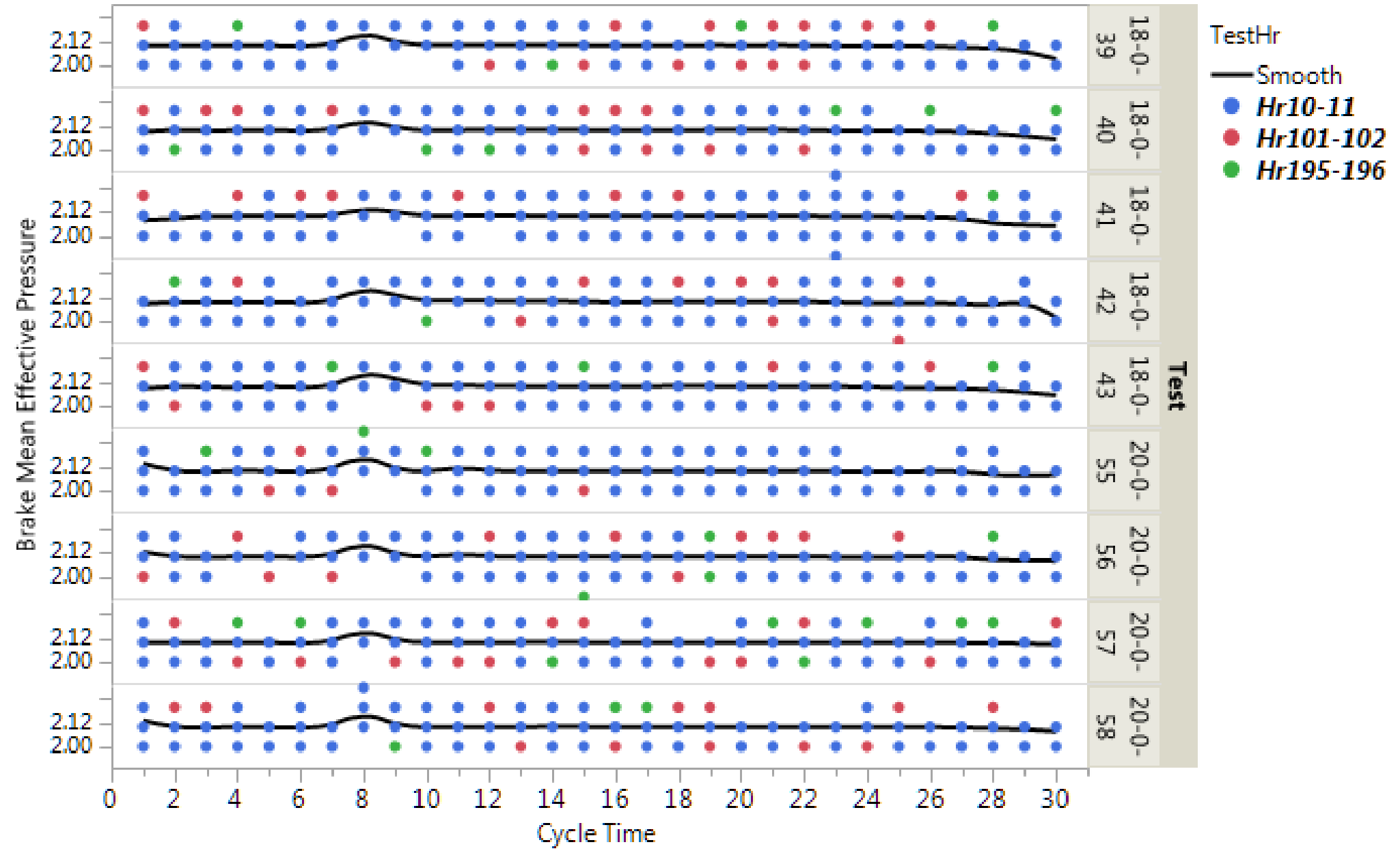
Where(LAB = Southwest)

Blowby Temperature (Controlled) vs. Cycle Time



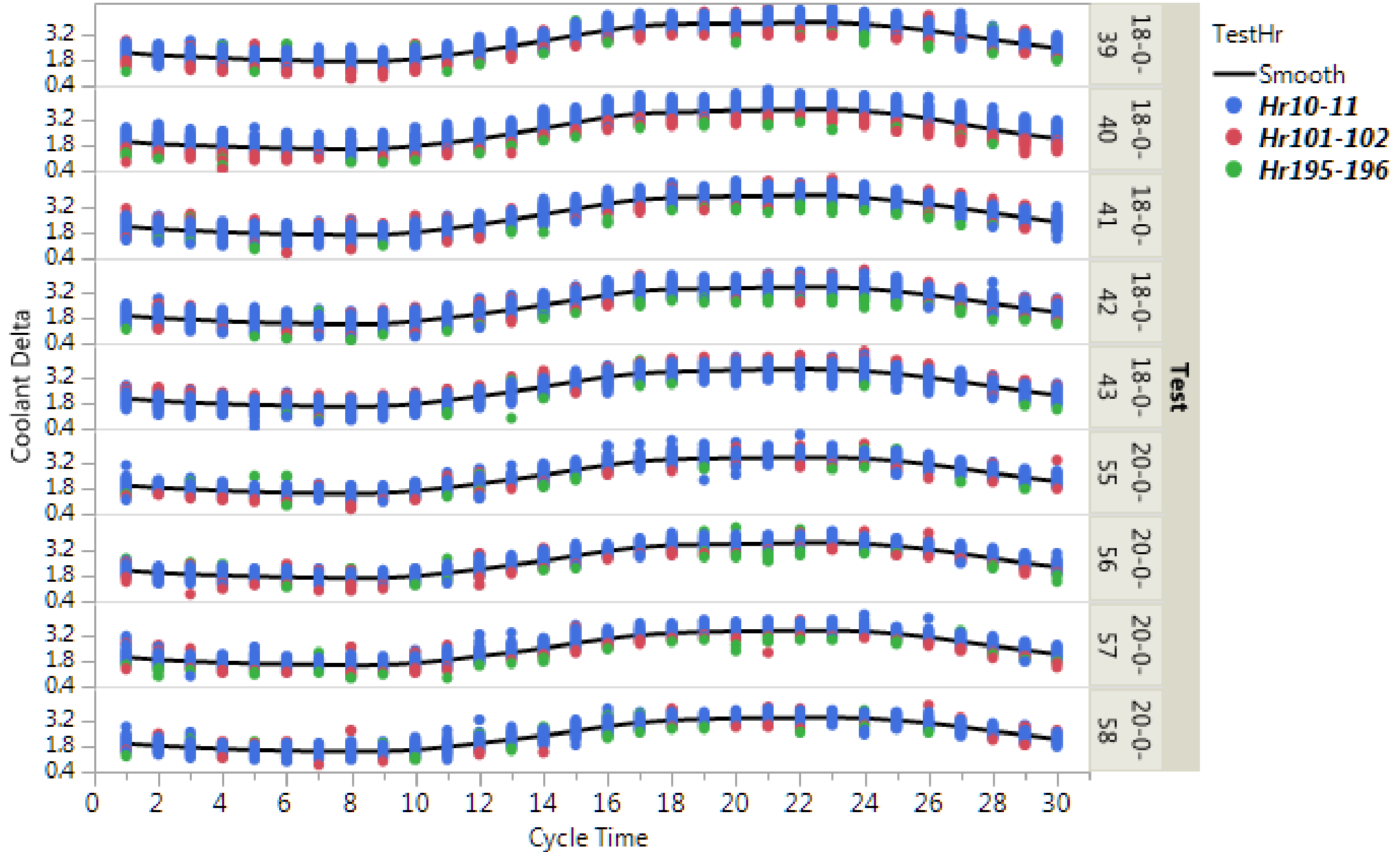
Where(LAB = Southwest)

Brake Mean Effective Pressure vs. Cycle Time



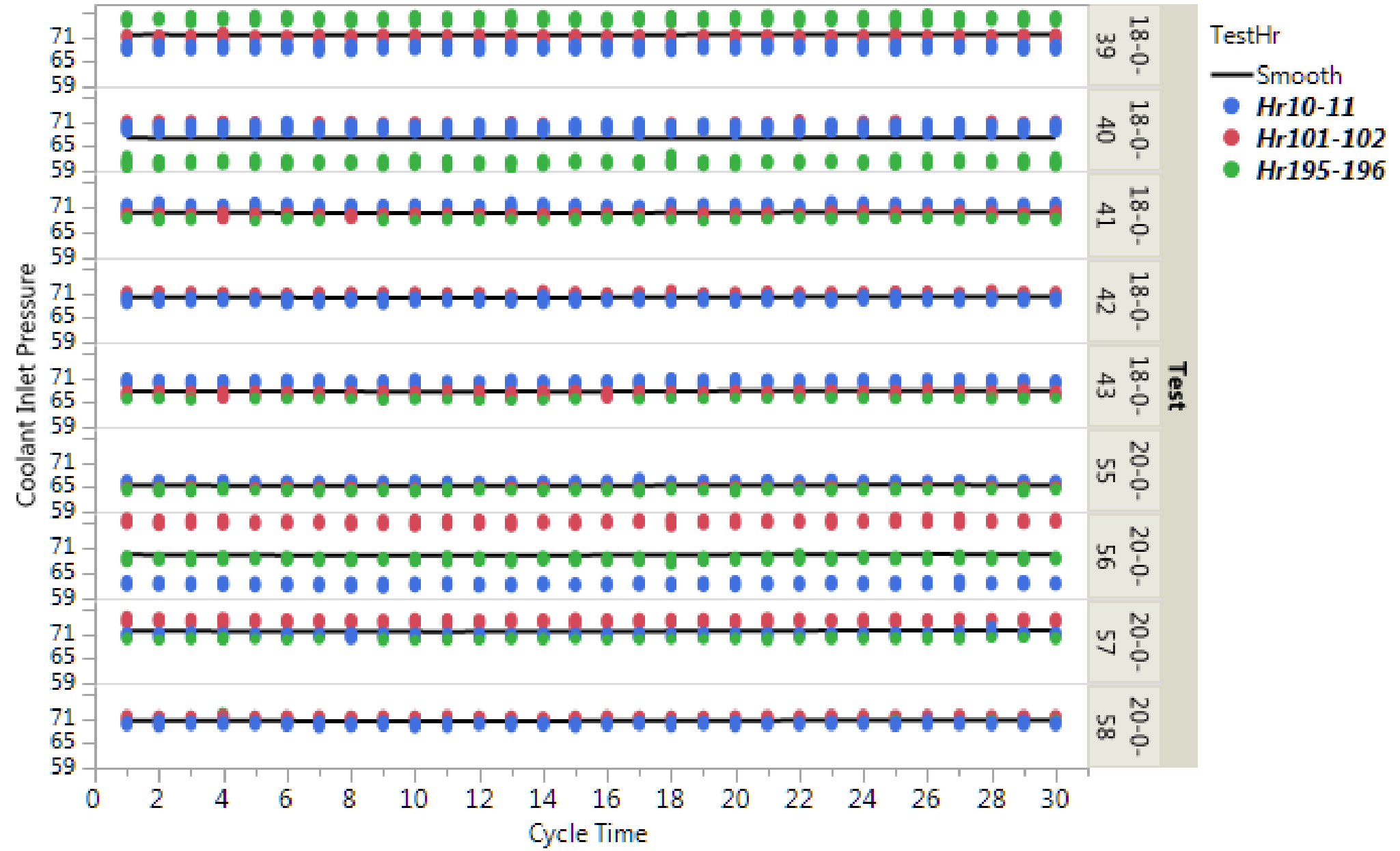
Where(LAB = Southwest)

Coolant Delta vs. Cycle Time



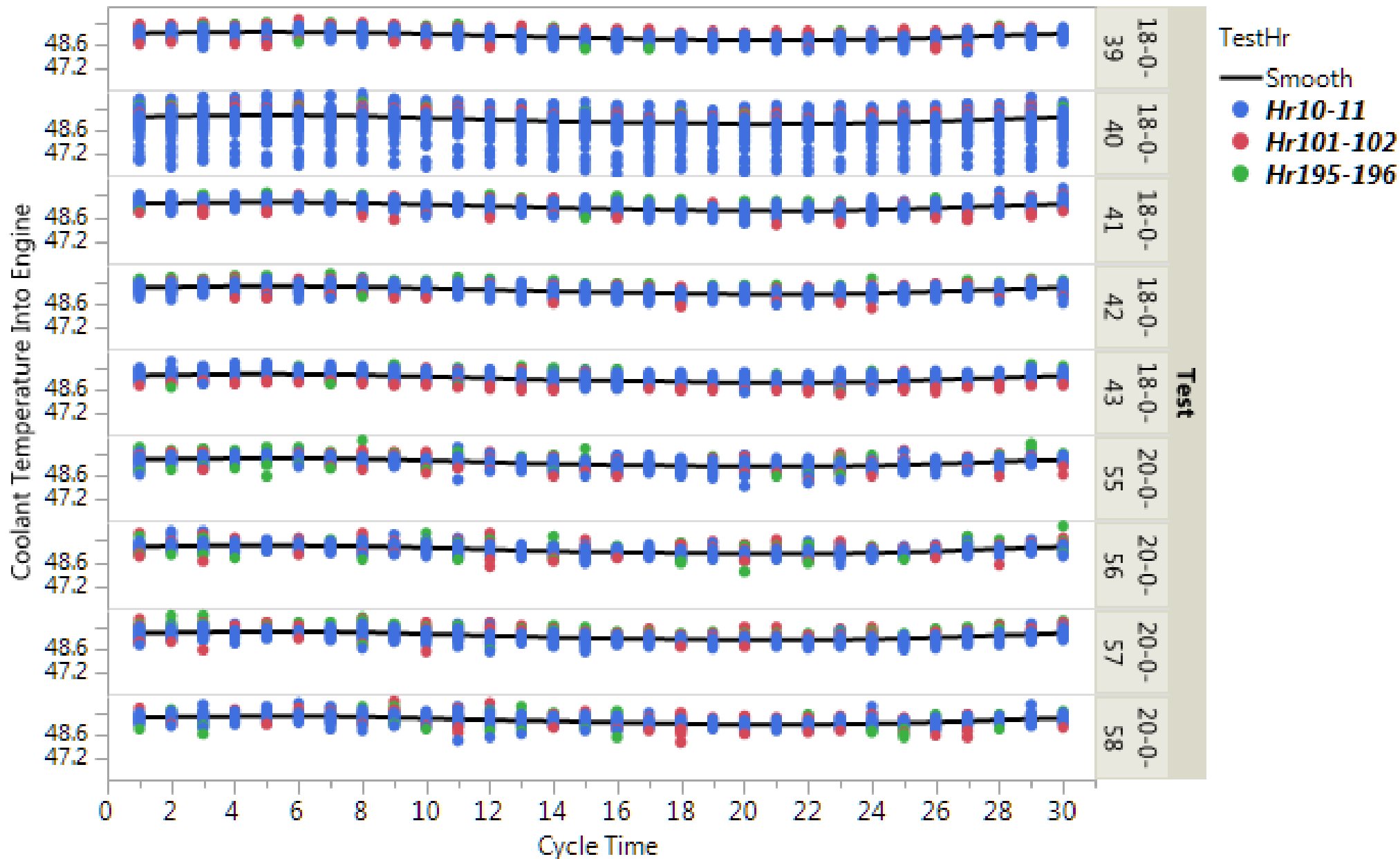
Where(LAB = Southwest)

Coolant Inlet Pressure vs. Cycle Time



Where(LAB = Southwest)

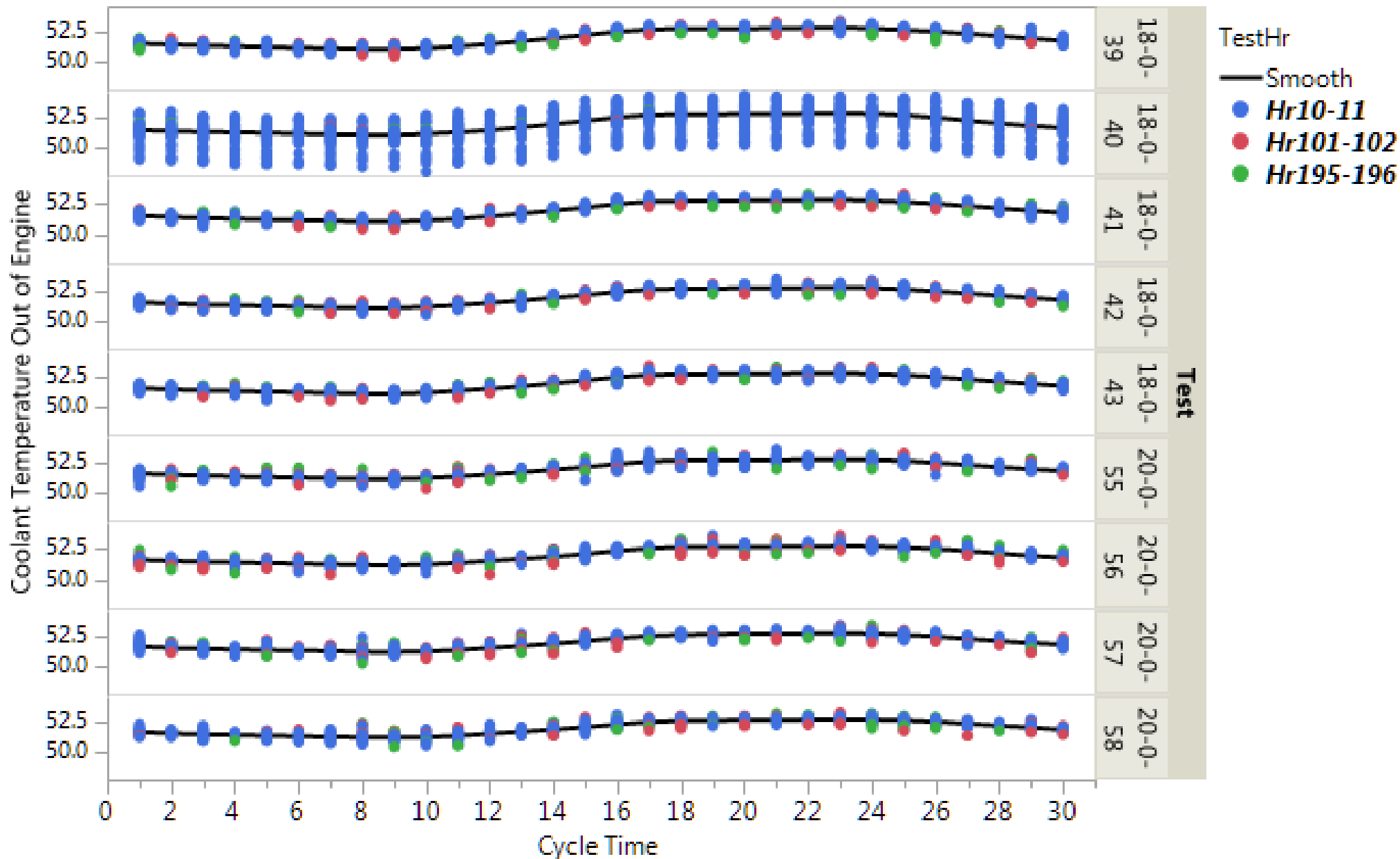
Coolant Temperature Into Engine vs. Cycle Time



Where(LAB = Southwest)

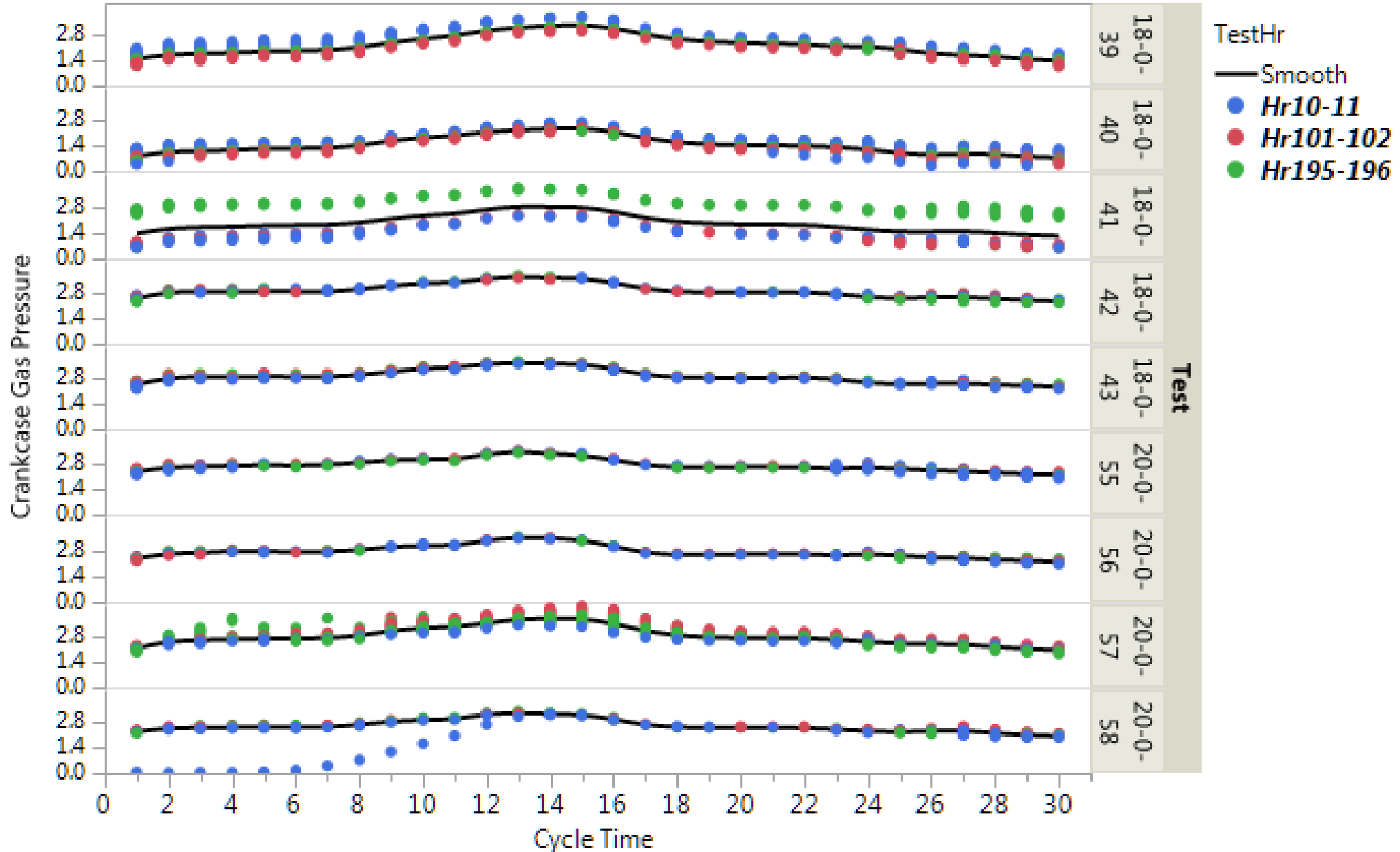
Graph Builder

Coolant Temperature Out of Engine vs. Cycle Time



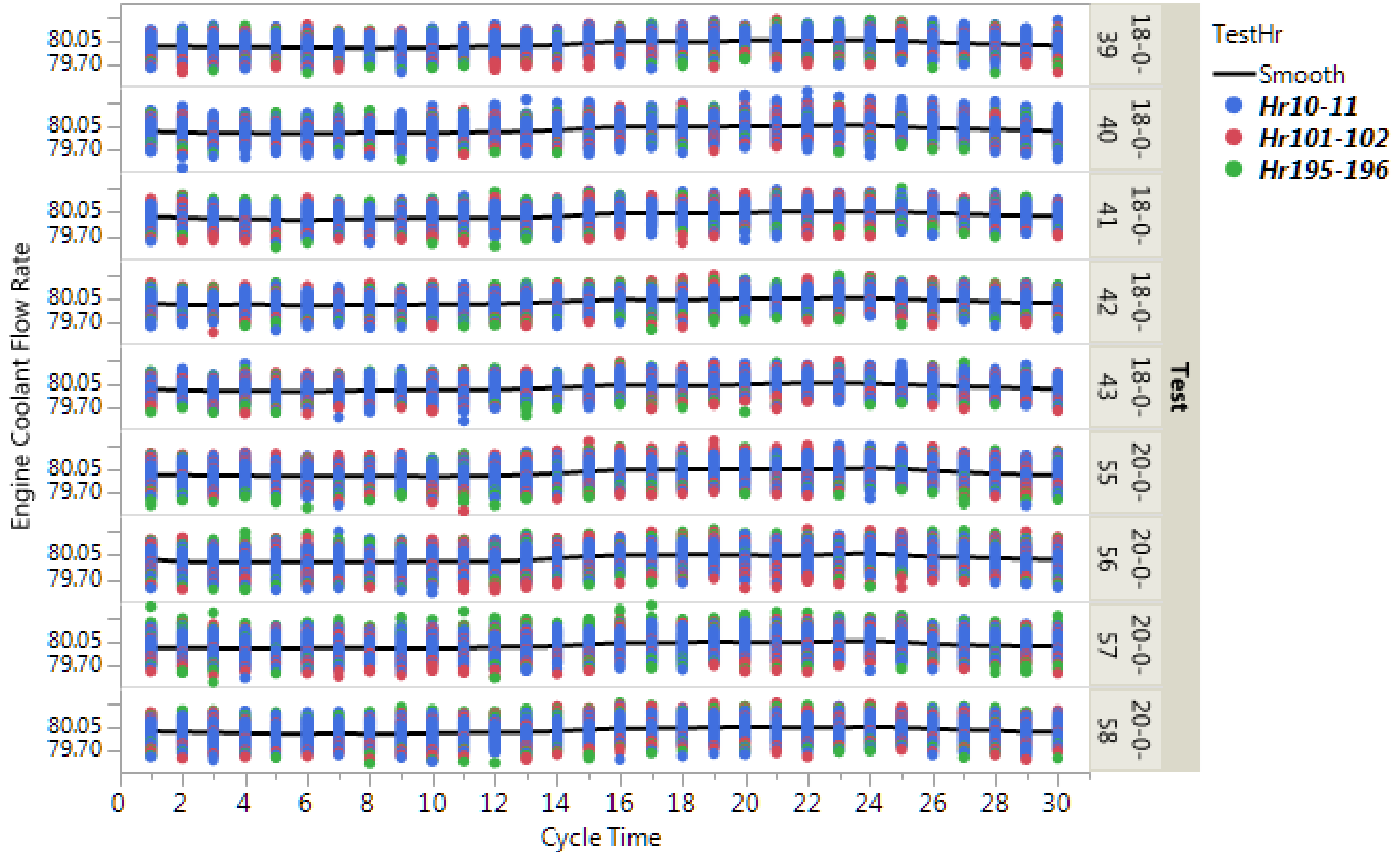
Where(LAB = Southwest)

Crankcase Gas Pressure vs. Cycle Time



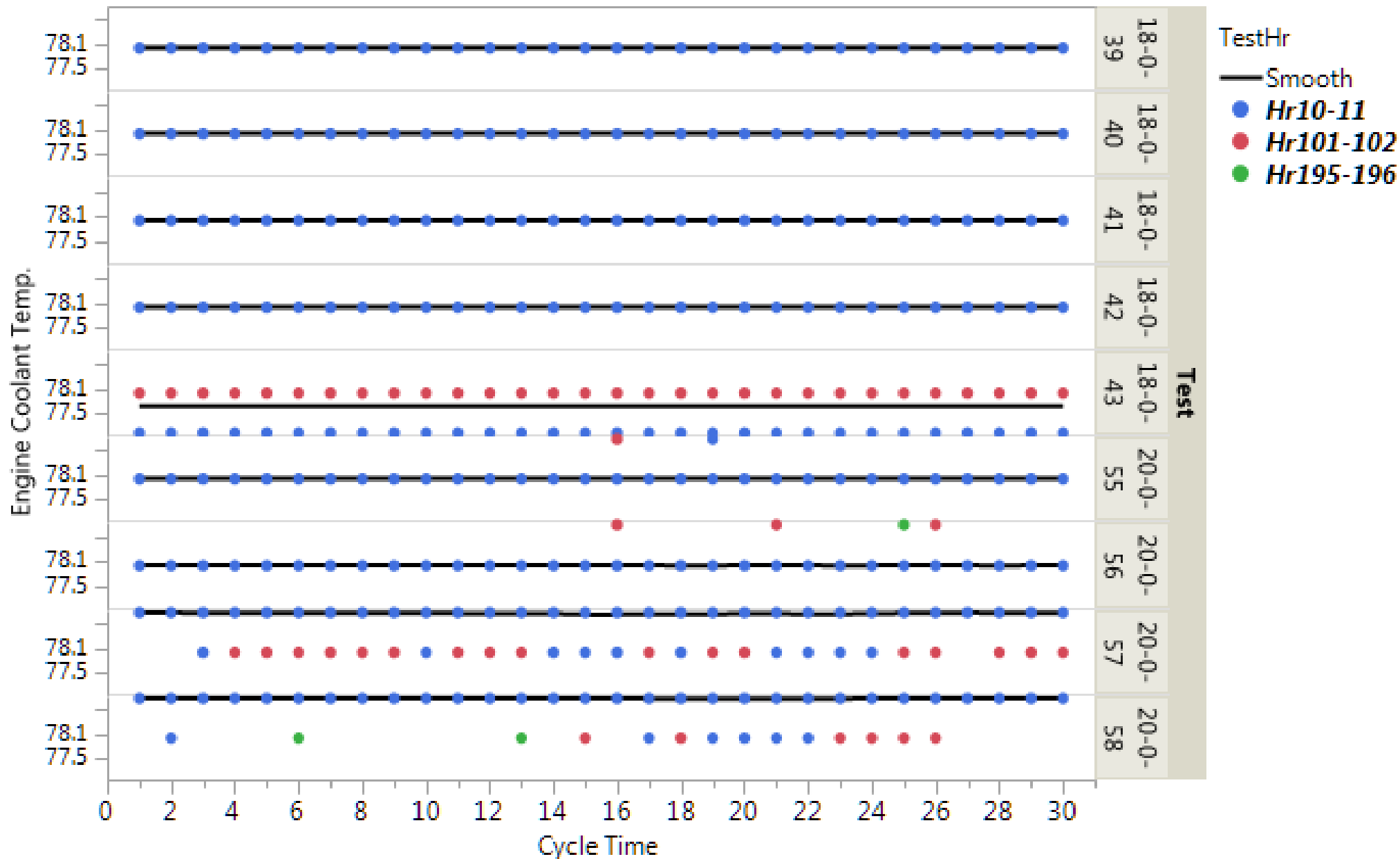
Where(LAB = Southwest)

Engine Coolant Flow Rate vs. Cycle Time



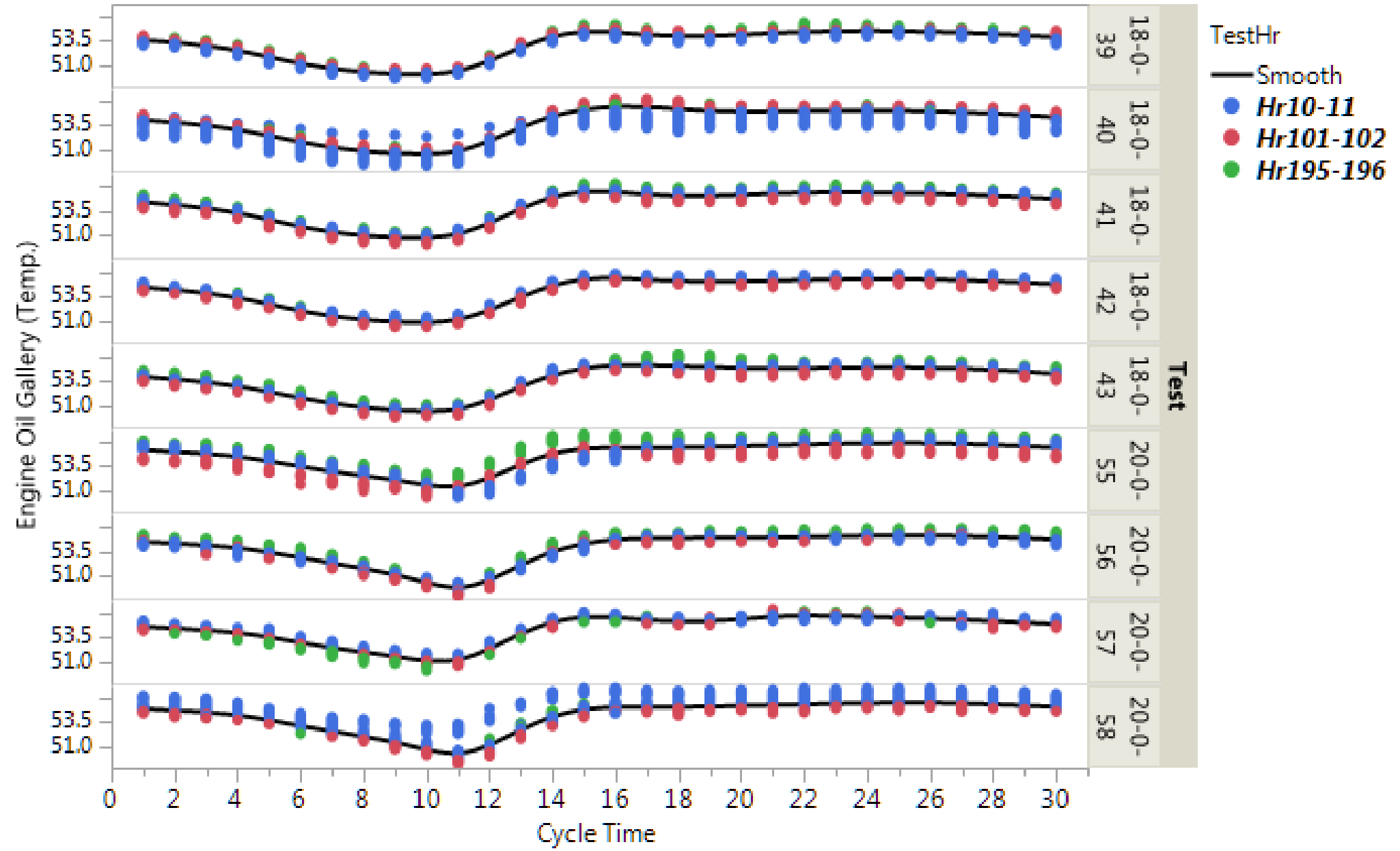
Where(LAB = Southwest)

Engine Coolant Temp. vs. Cycle Time



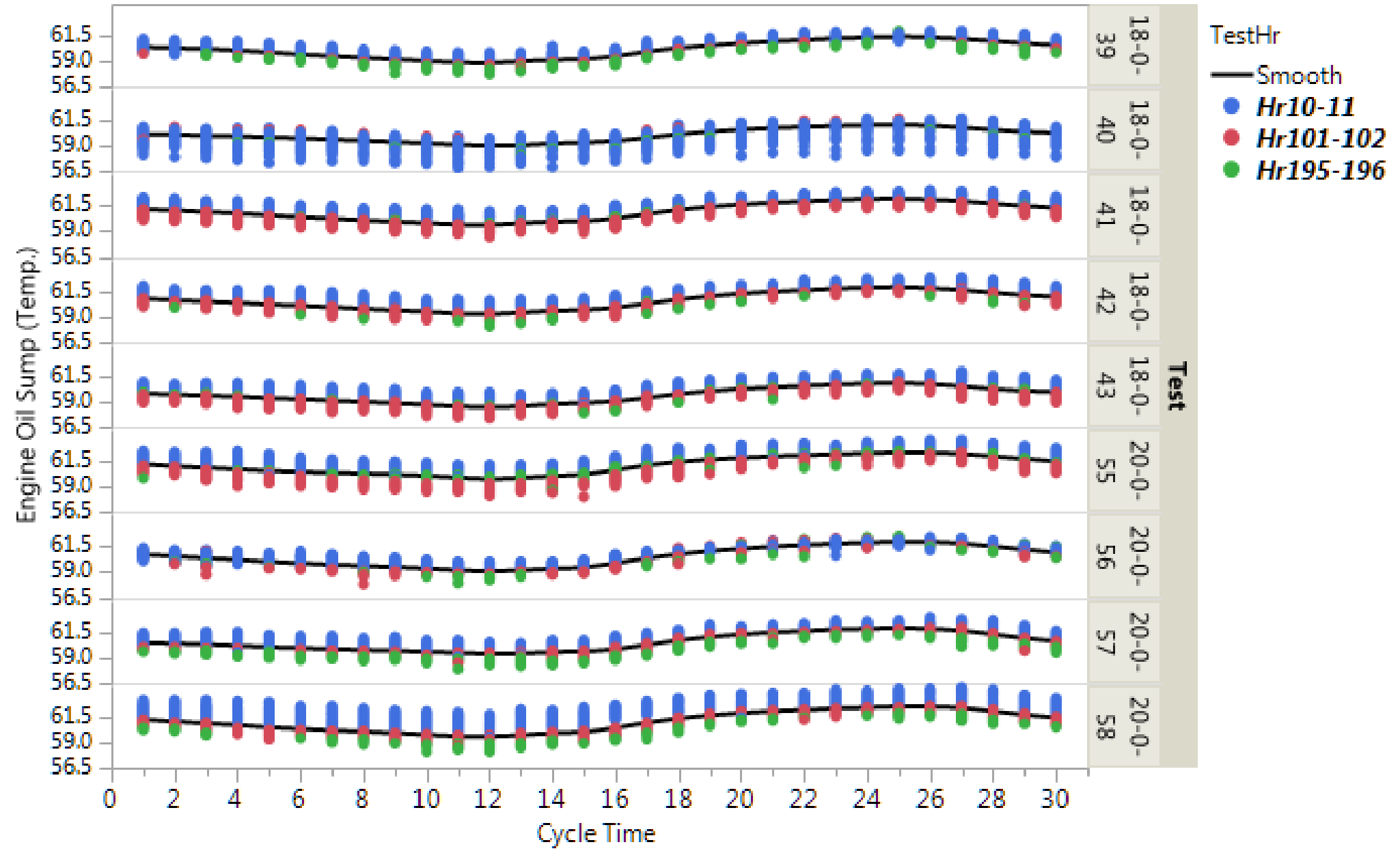
Where(LAB = Southwest)

Engine Oil Gallery (Temp.) vs. Cycle Time



Where(LAB = Southwest)

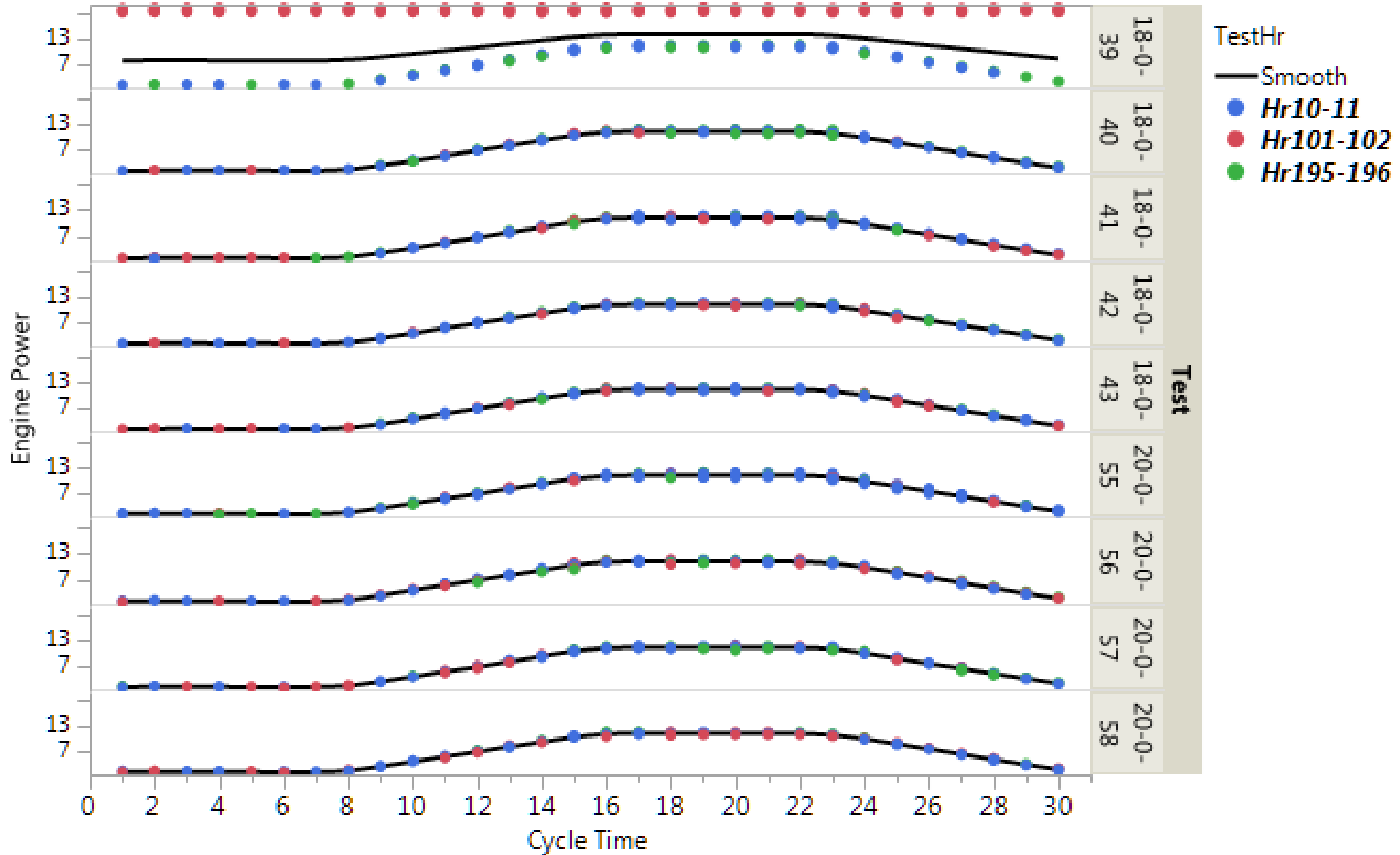
Engine Oil Sump (Temp.) vs. Cycle Time



Where(LAB = Southwest)

Graph Builder

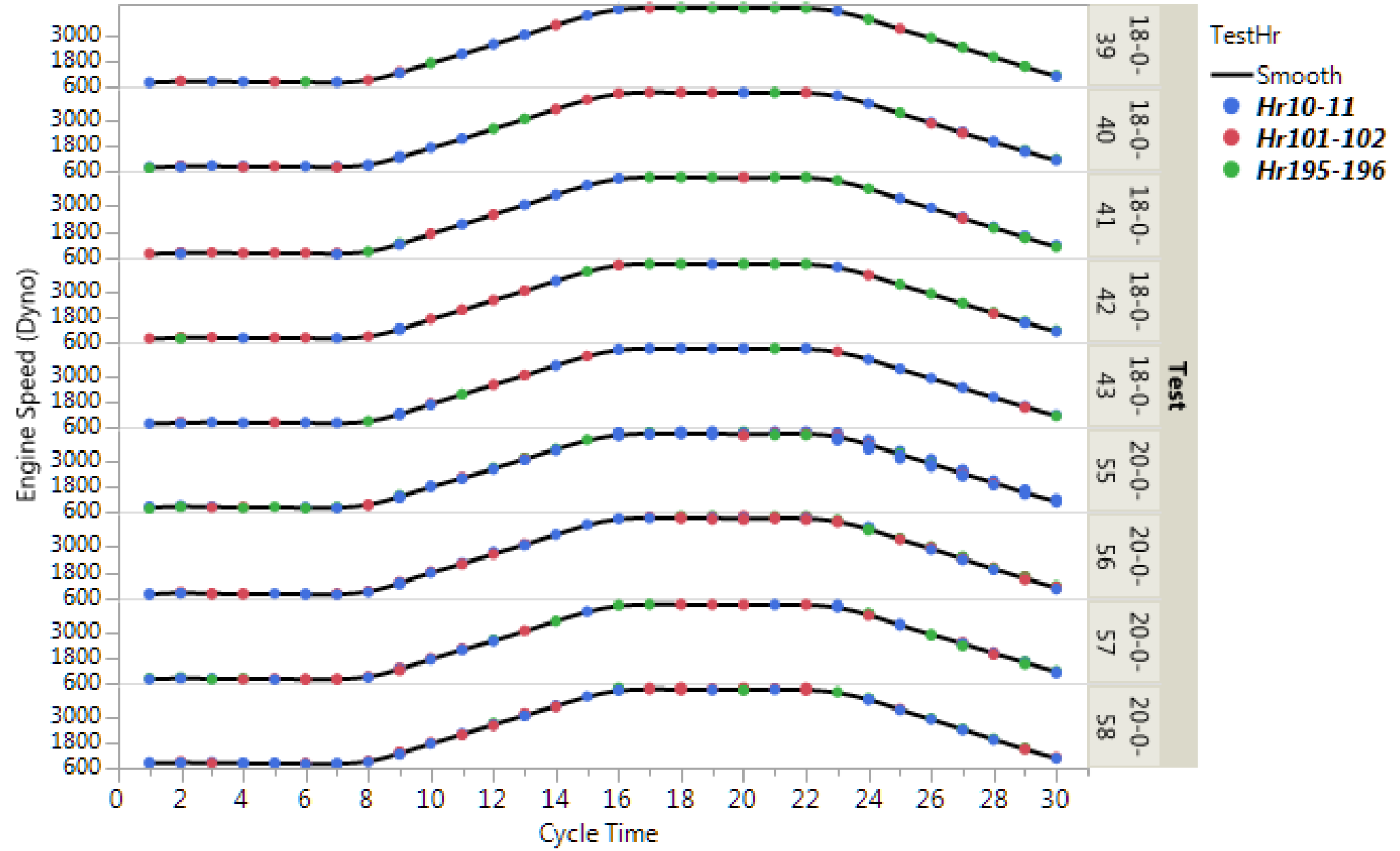
Engine Power vs. Cycle Time



Where(LAB = Southwest)

Graph Builder

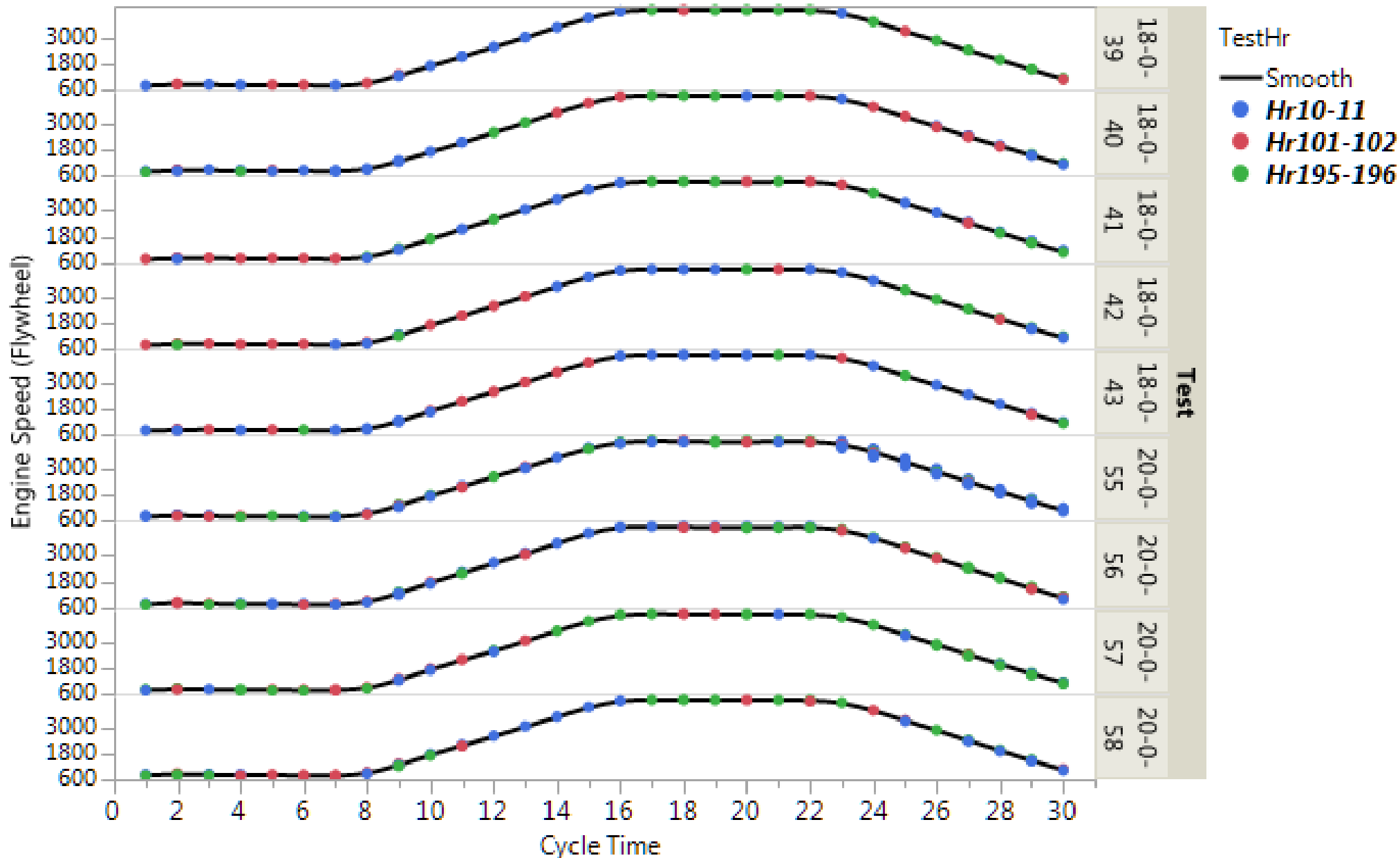
Engine Speed (Dyno) vs. Cycle Time



Where(LAB = Southwest)

Graph Builder

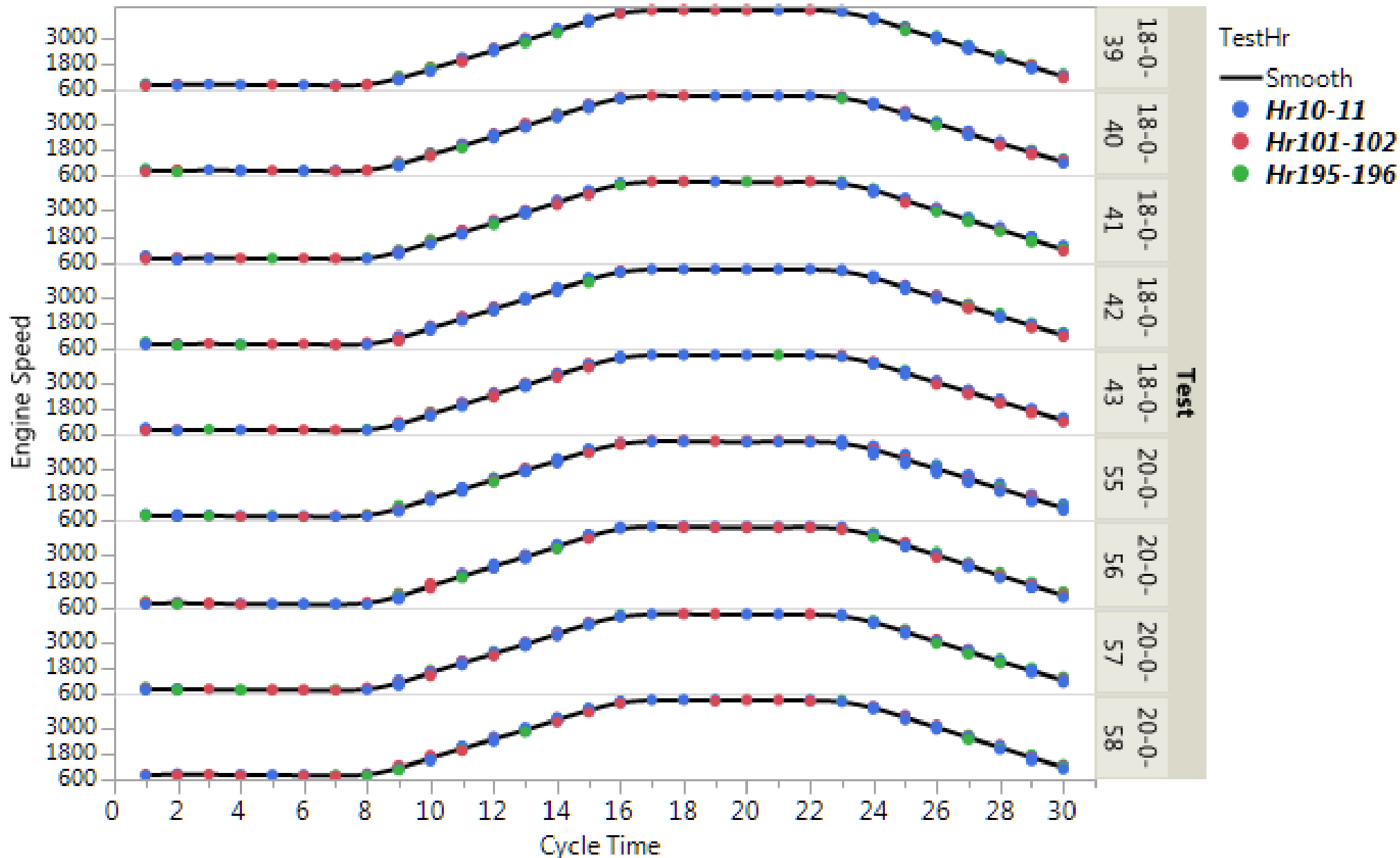
Engine Speed (Flywheel) vs. Cycle Time



Where(LAB = Southwest)

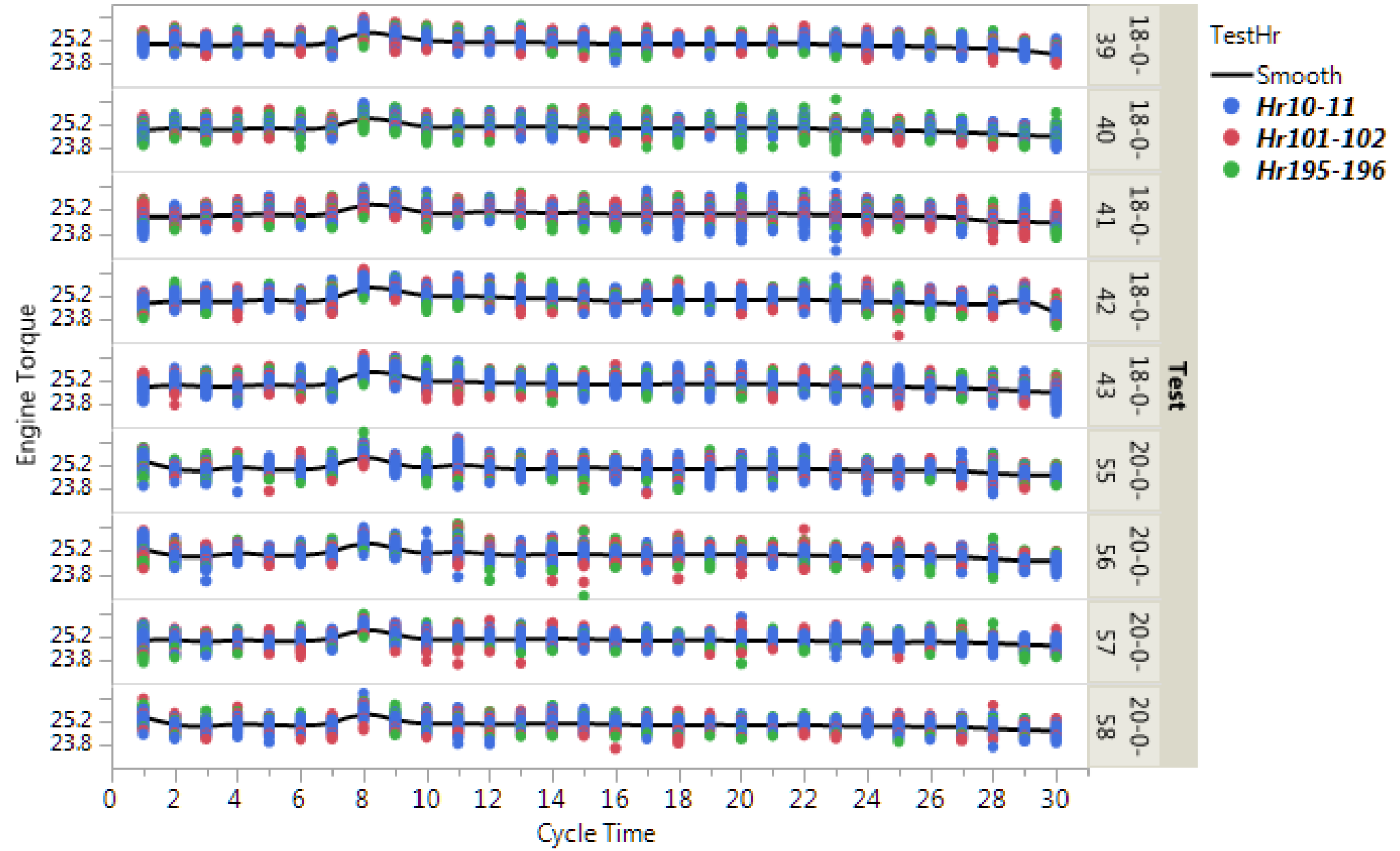
Graph Builder

Engine Speed vs. Cycle Time



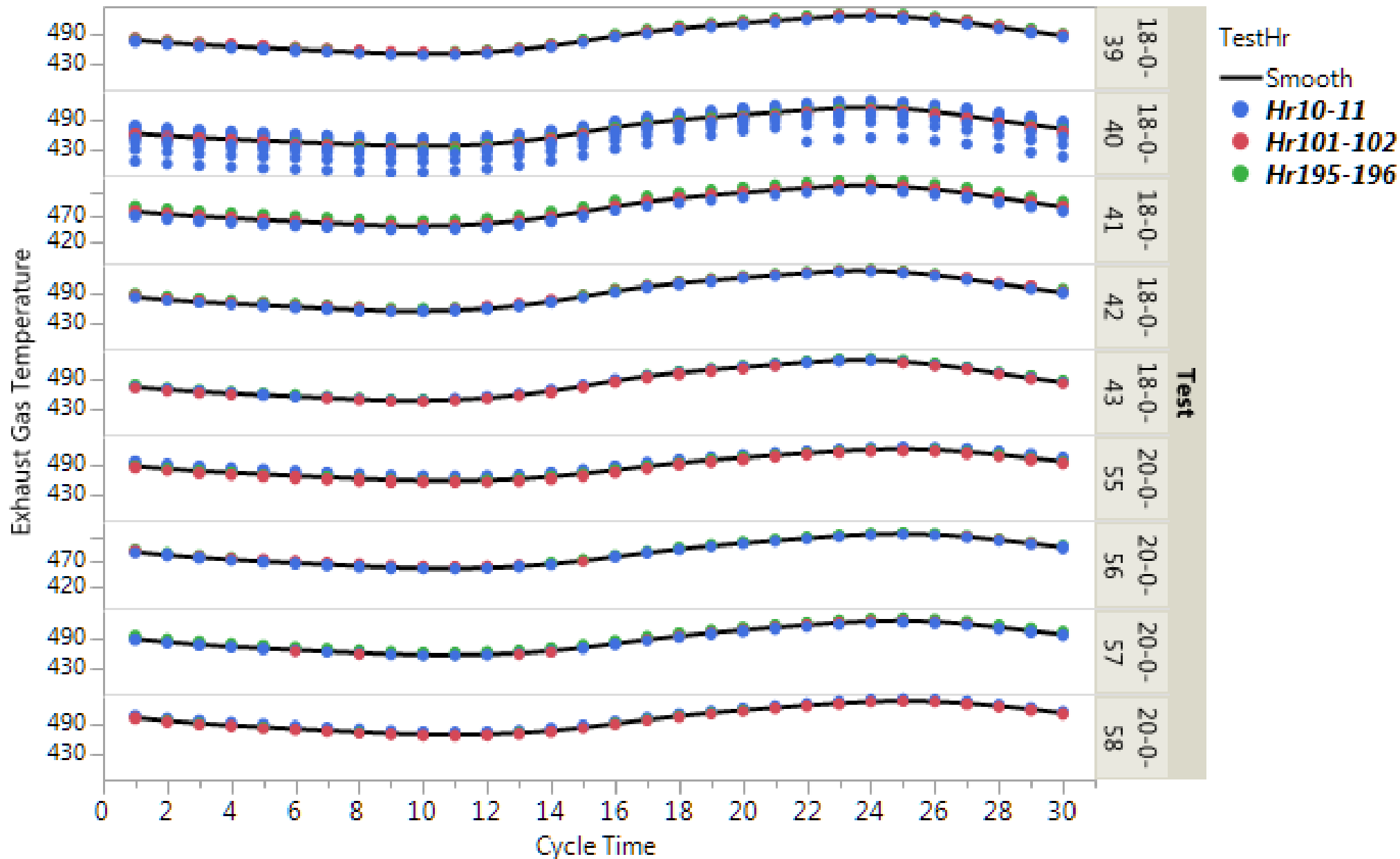
Where(LAB = Southwest)

Engine Torque vs. Cycle Time



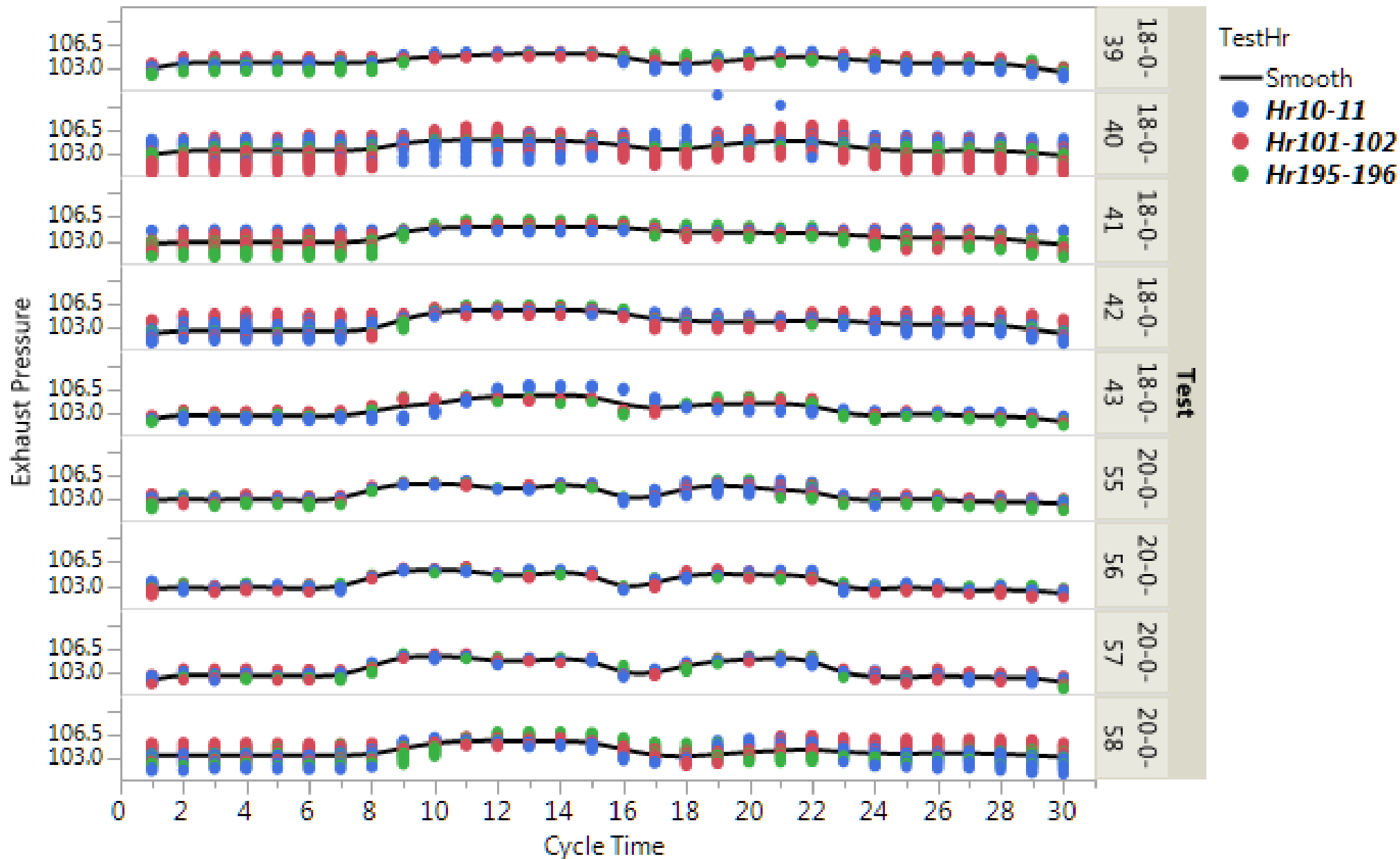
Where(LAB = Southwest)

Exhaust Gas Temperature vs. Cycle Time



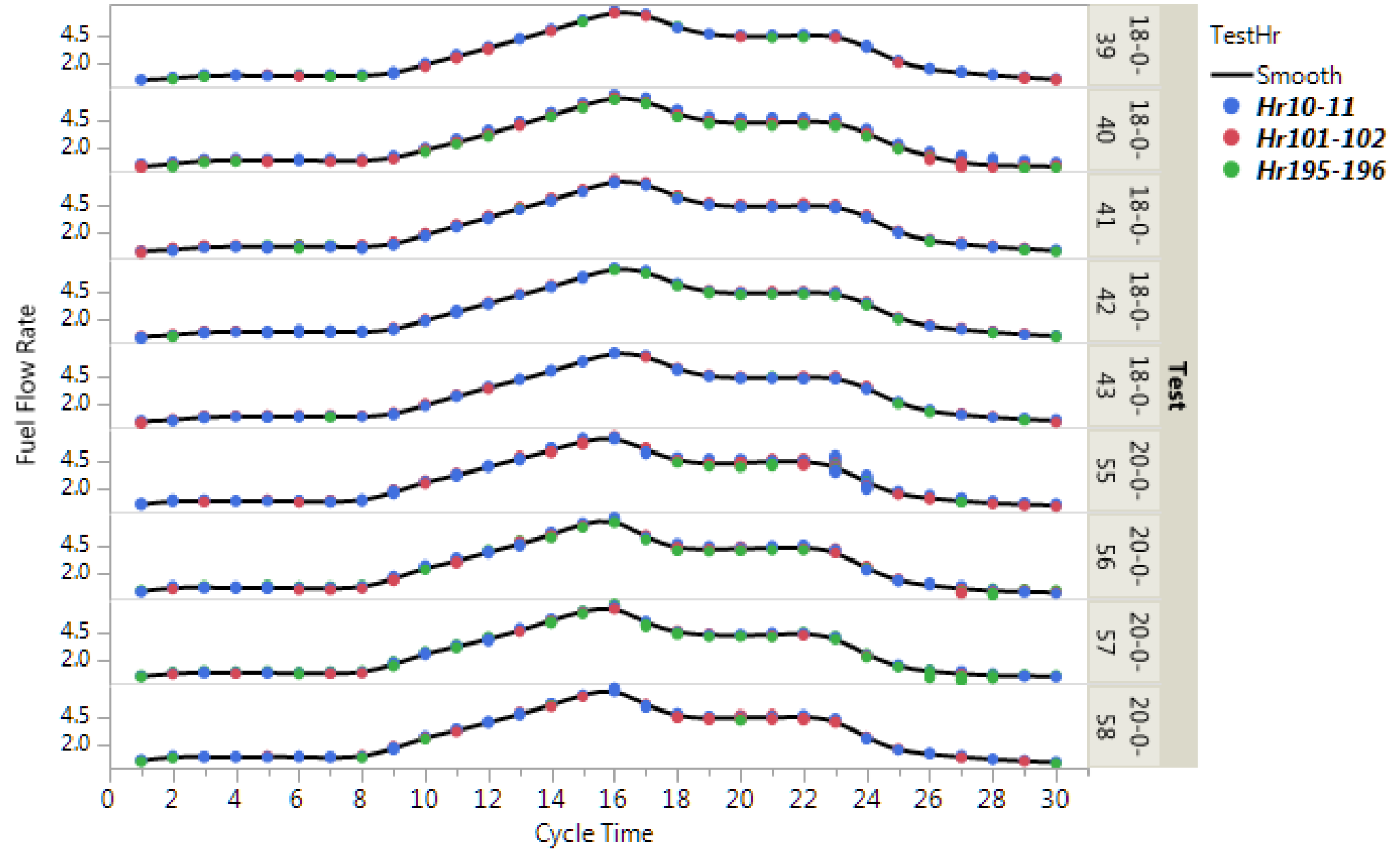
Where(LAB = Southwest)

Exhaust Pressure vs. Cycle Time



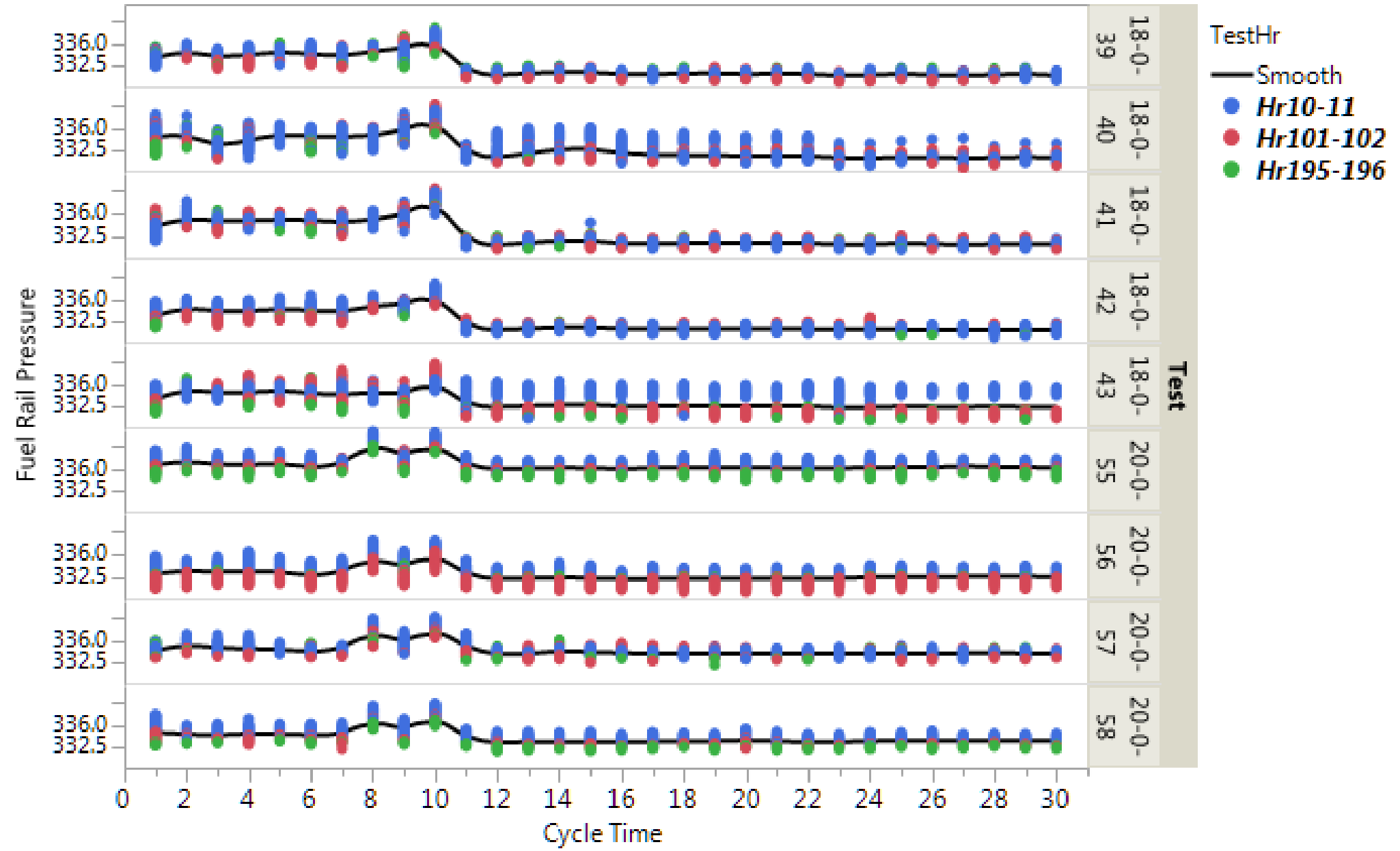
Where(LAB = Southwest)

Fuel Flow Rate vs. Cycle Time



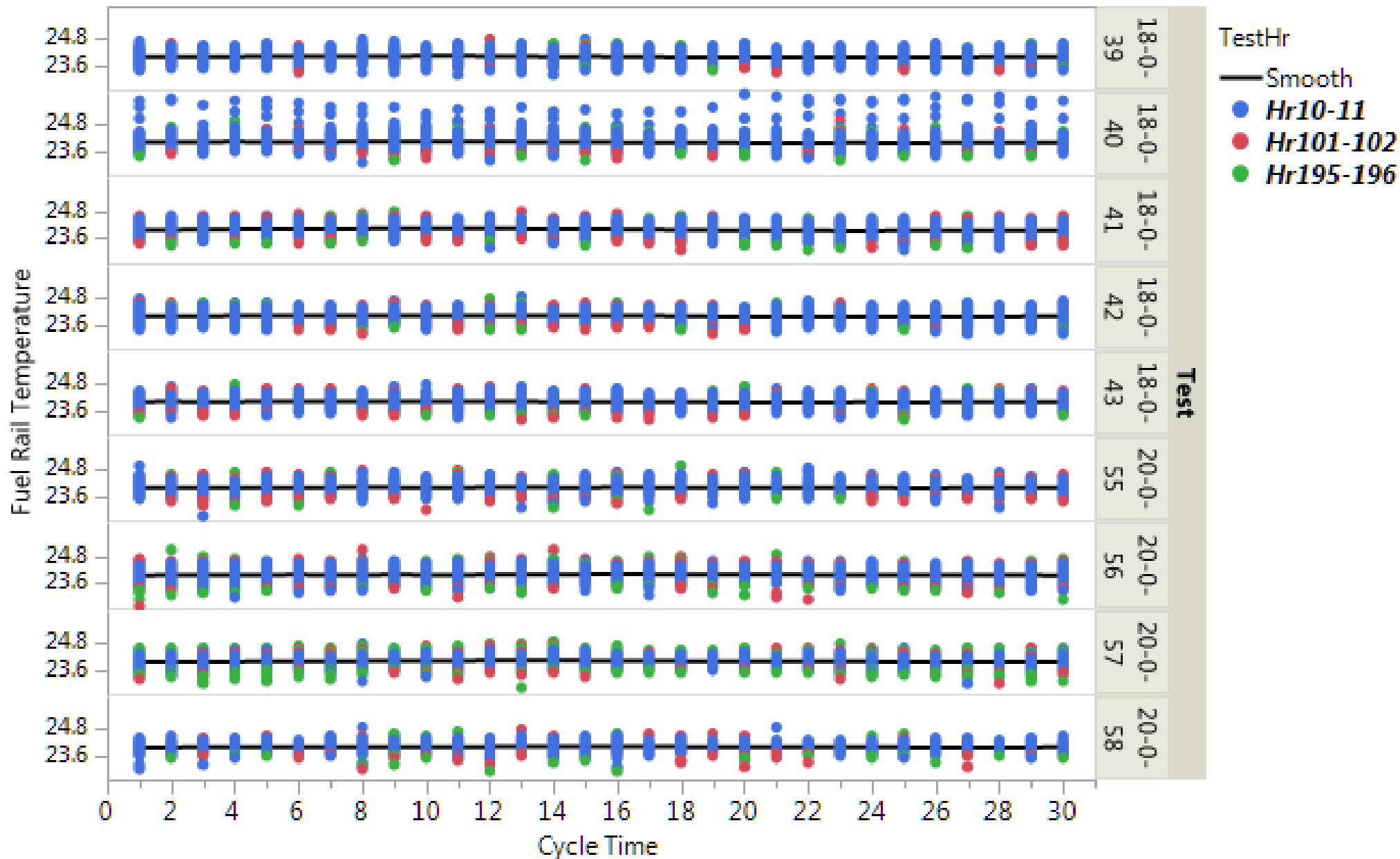
Where(LAB = Southwest)

Fuel Rail Pressure vs. Cycle Time



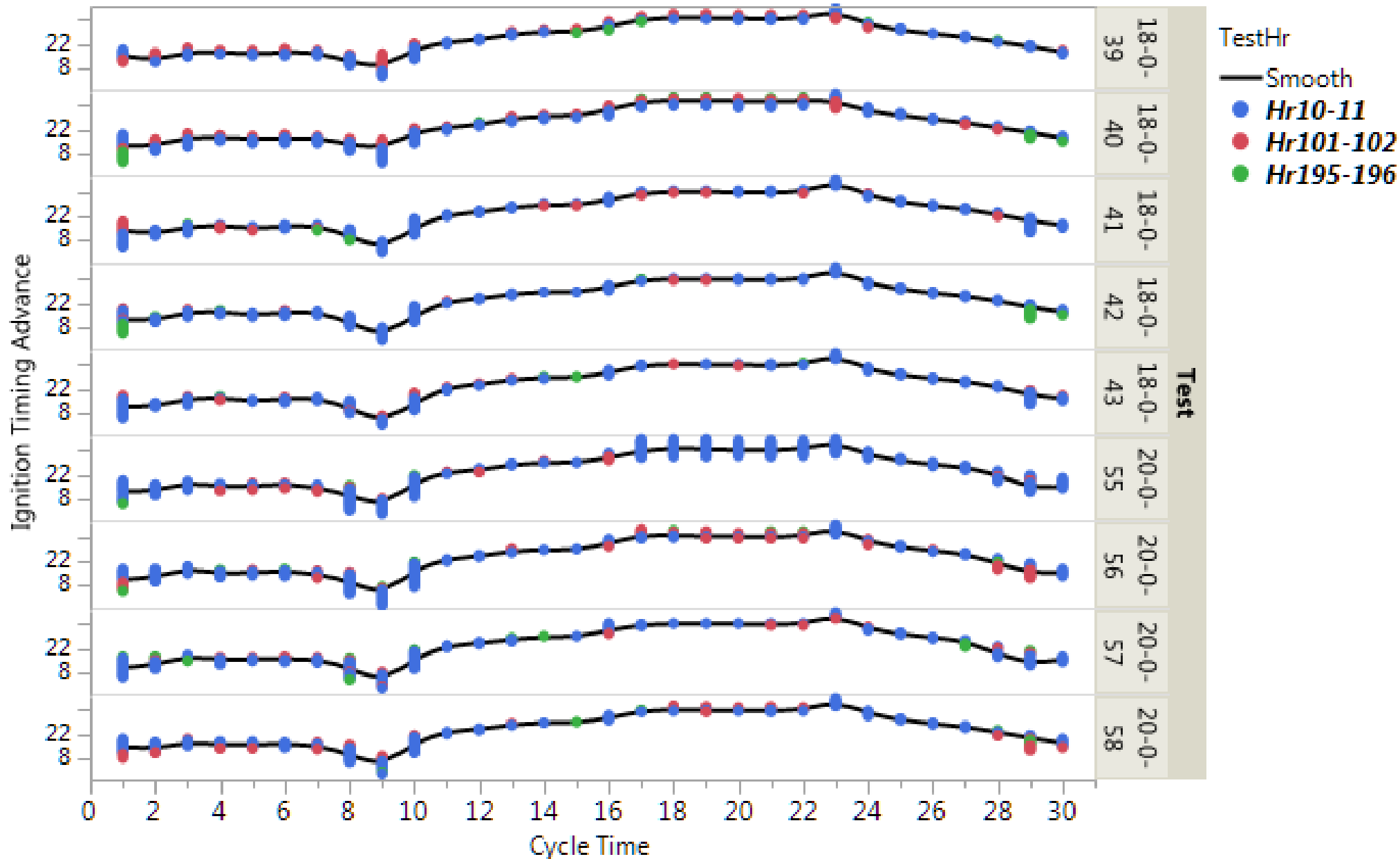
Where(LAB = Southwest)

Fuel Rail Temperature vs. Cycle Time



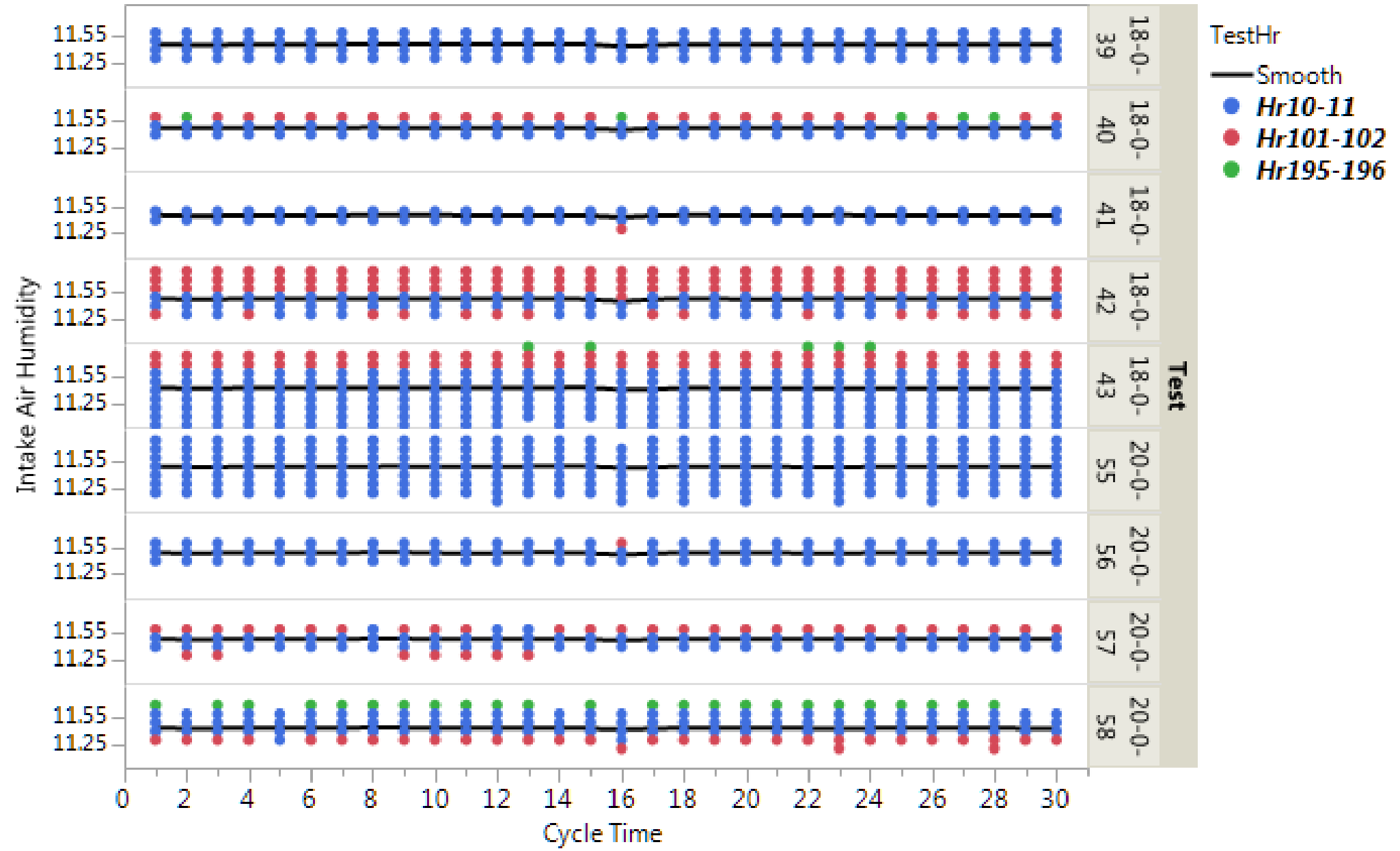
Where(LAB = Southwest)

Ignition Timing Advance vs. Cycle Time



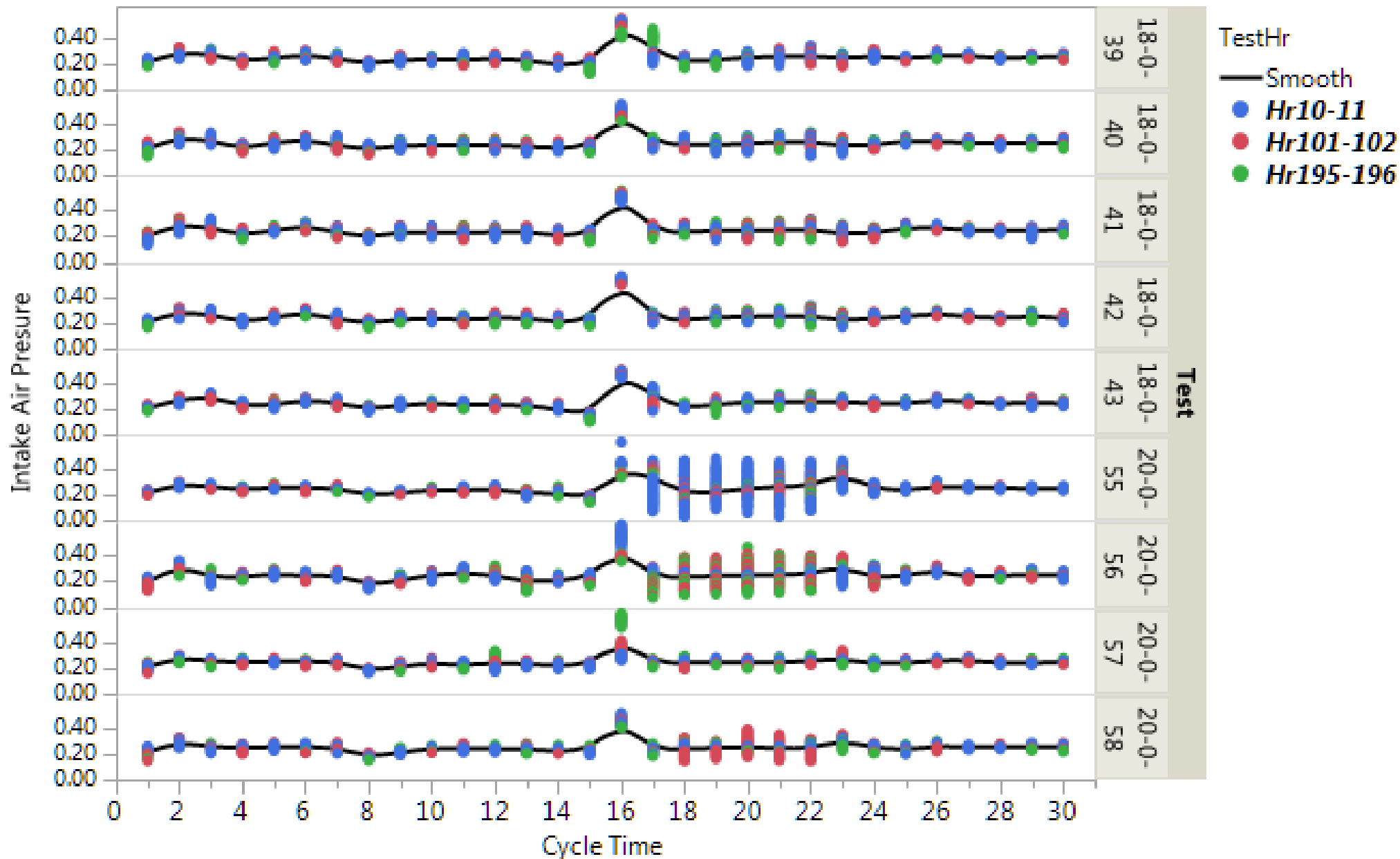
Where(LAB = Southwest)

Intake Air Humidity vs. Cycle Time



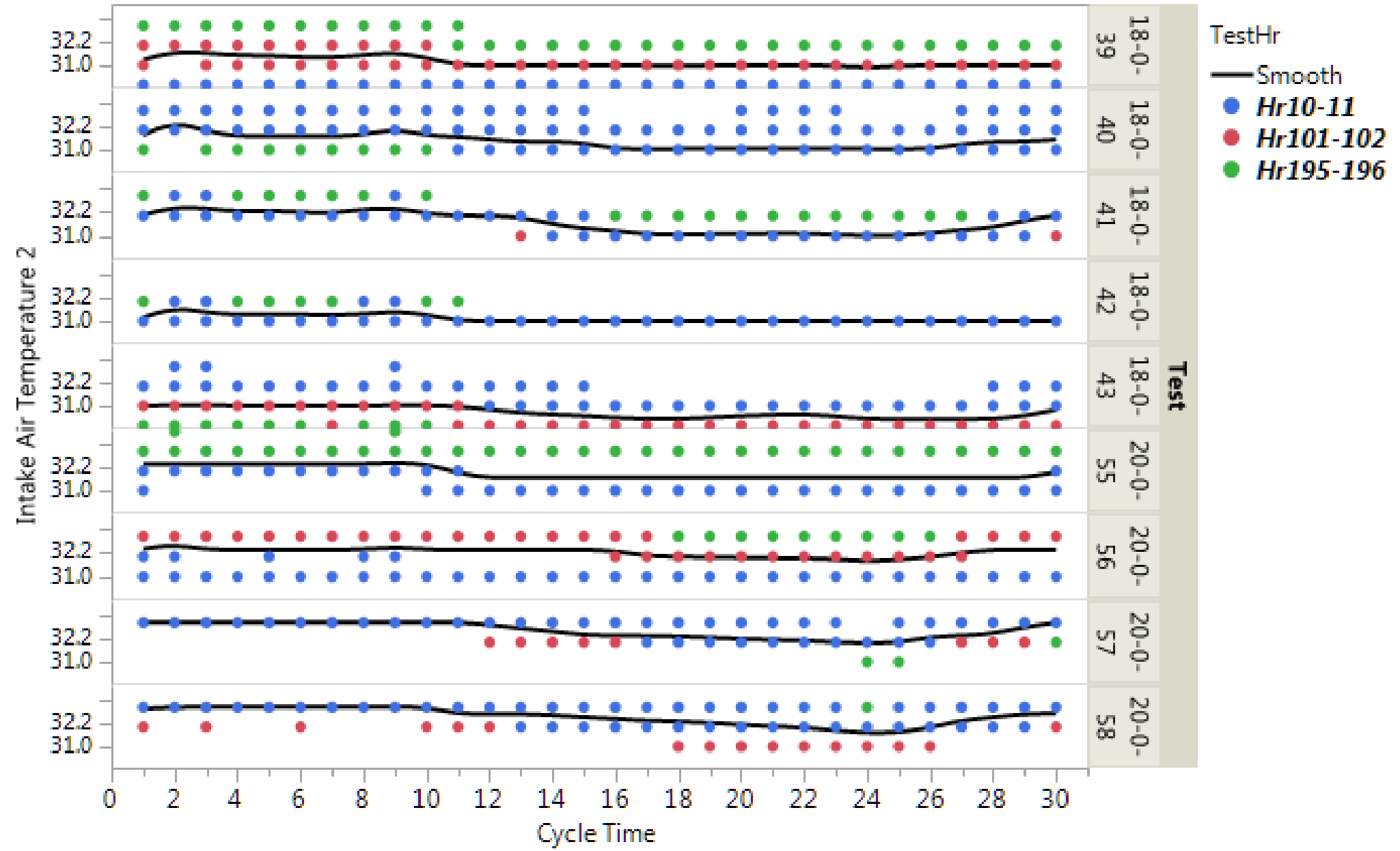
Where(LAB = Southwest)

Intake Air Presure vs. Cycle Time



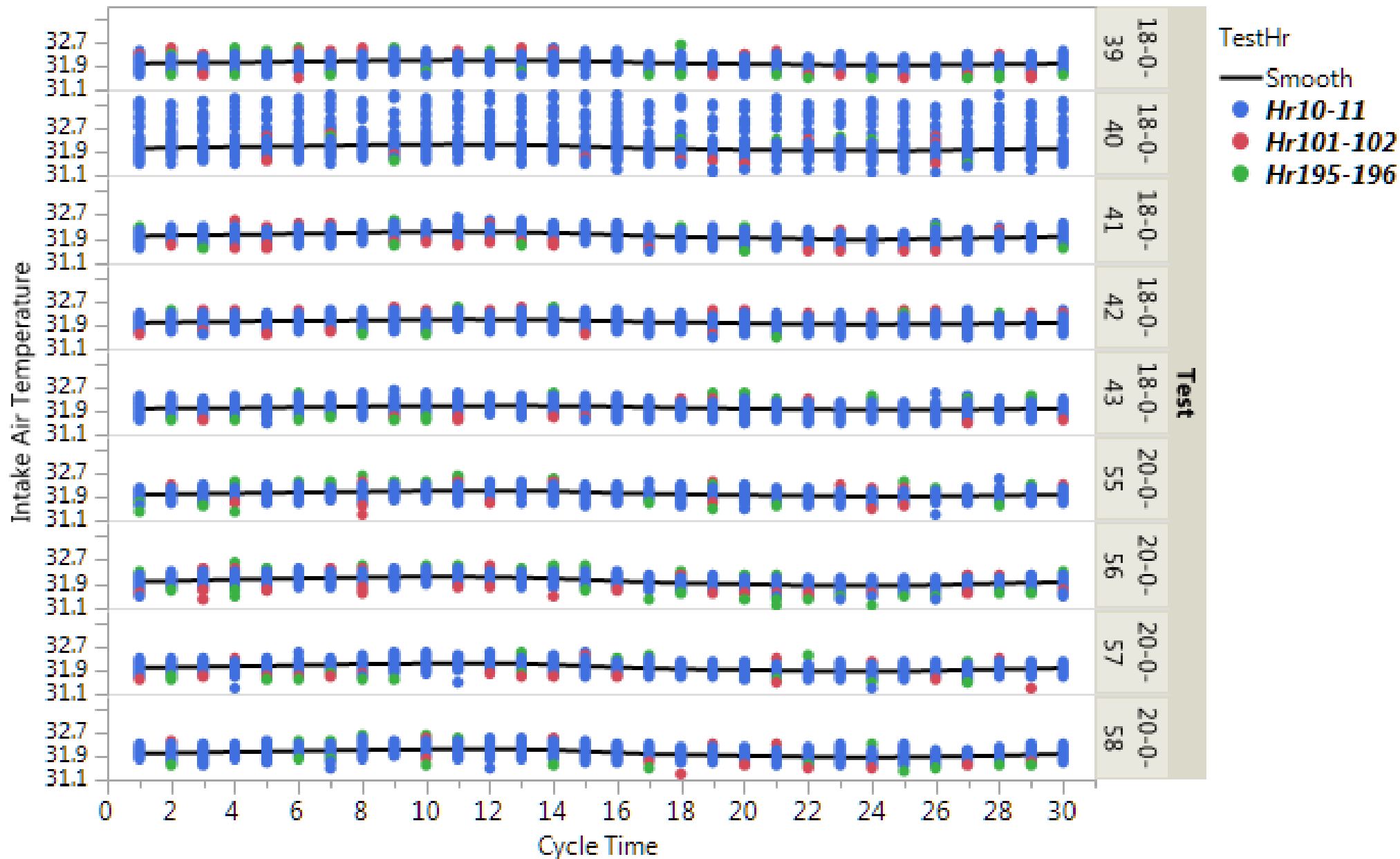
Where(LAB = Southwest)

Intake Air Temperature 2 vs. Cycle Time



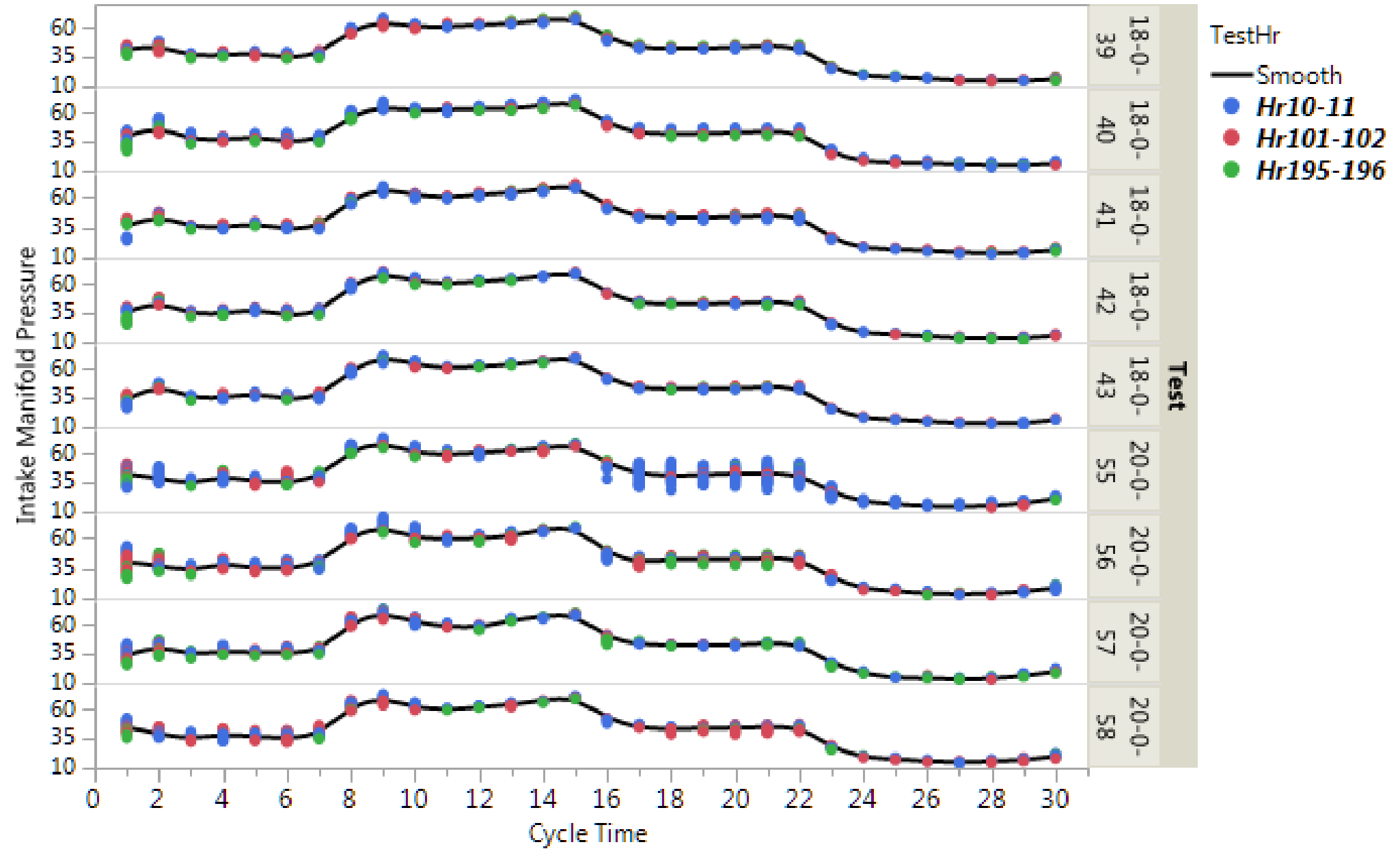
Where(LAB = Southwest)

Intake Air Temperature vs. Cycle Time



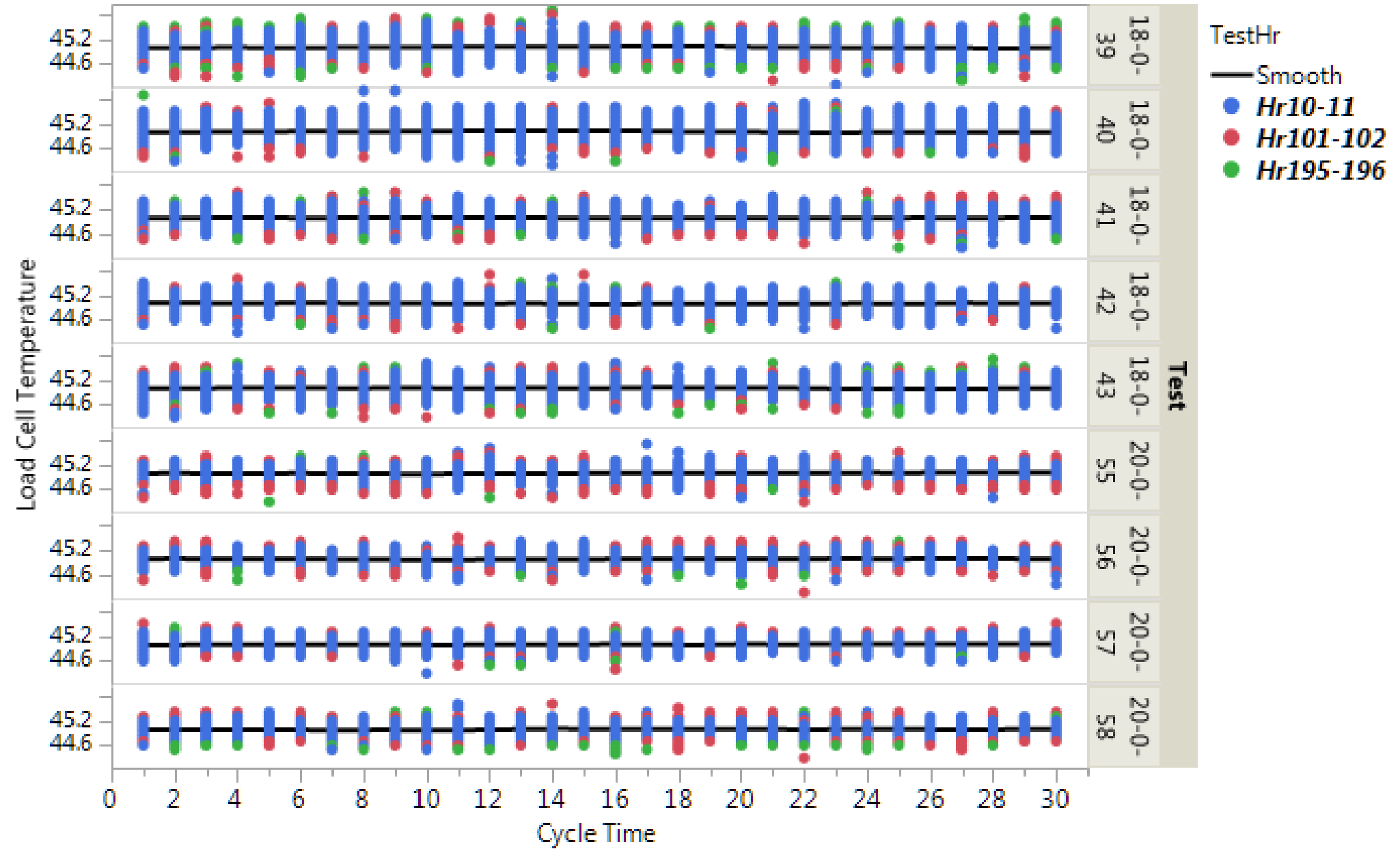
Where(LAB = Southwest)

Intake Manifold Pressure vs. Cycle Time



Where(LAB = Southwest)

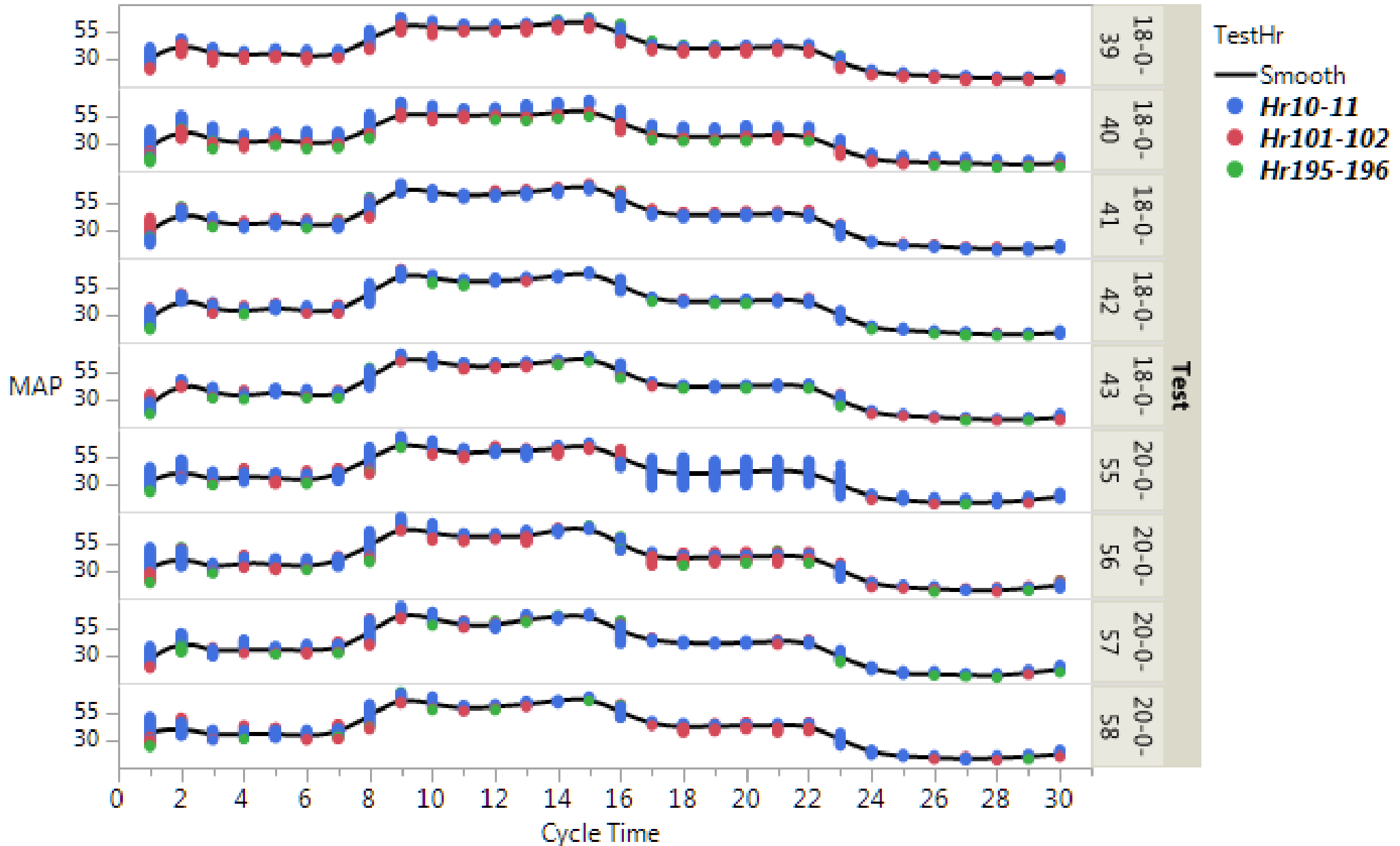
Load Cell Temperature vs. Cycle Time



Where(LAB = Southwest)

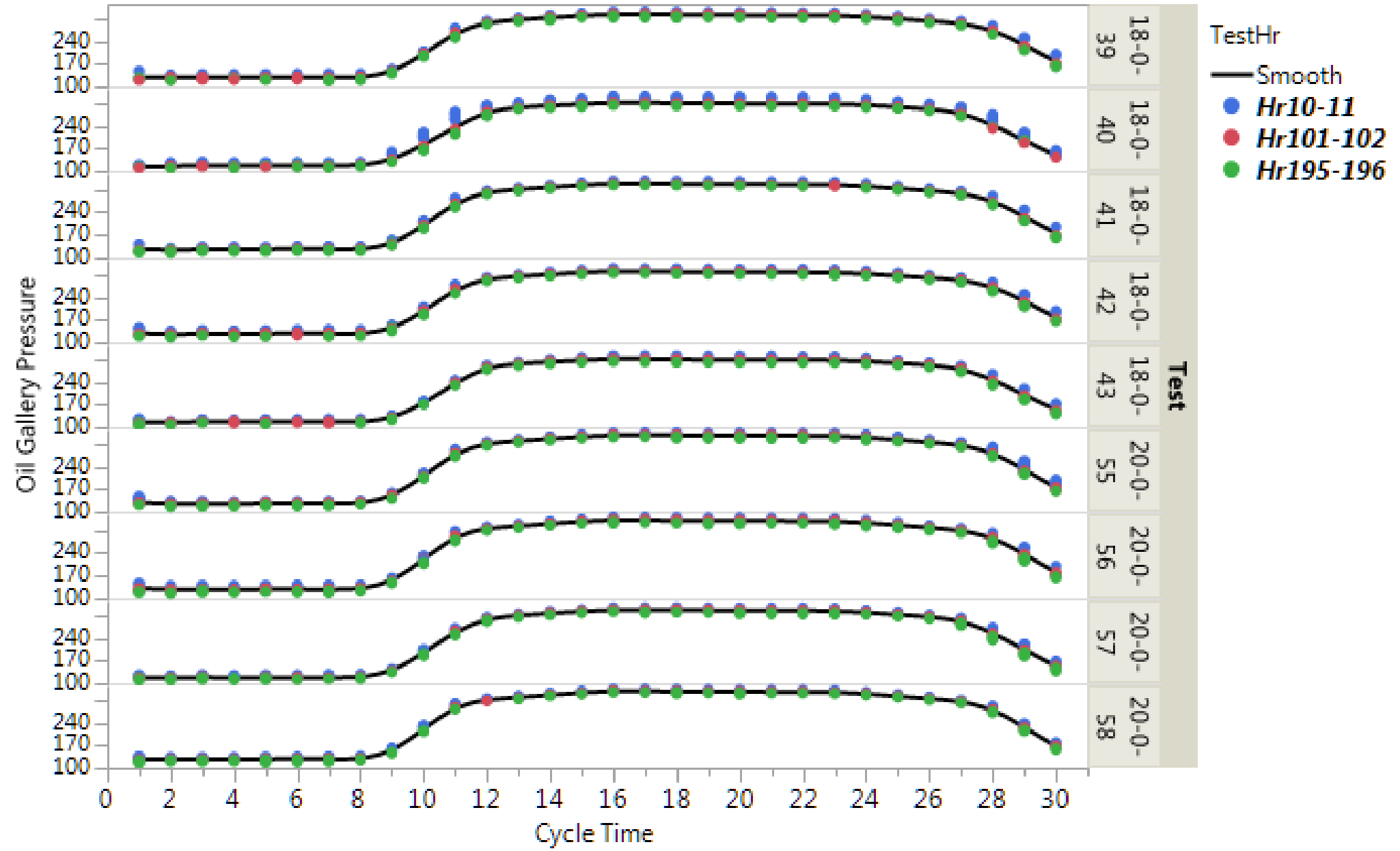
Graph Builder

MAP vs. Cycle Time



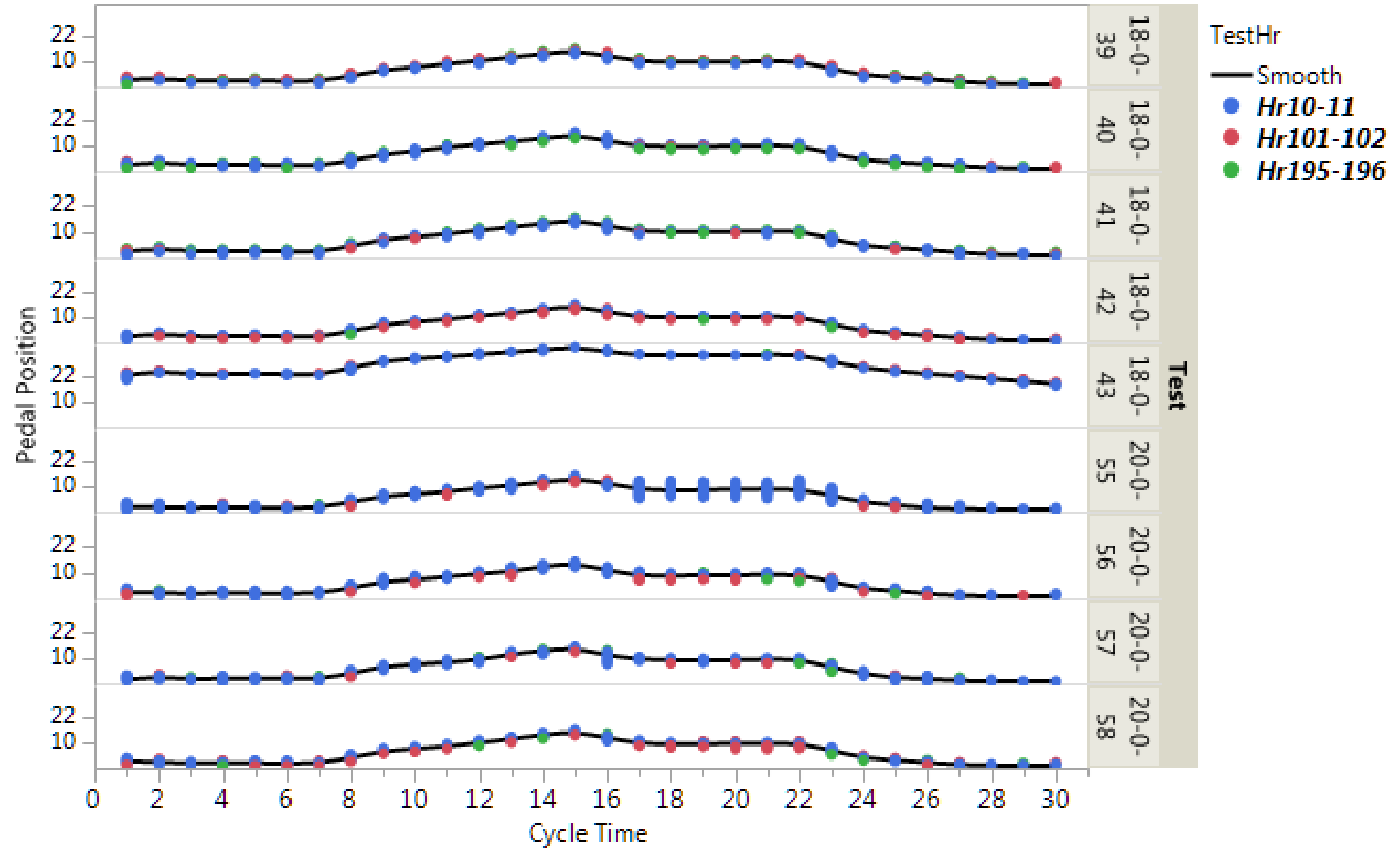
Where(LAB = Southwest)

Oil Gallery Pressure vs. Cycle Time



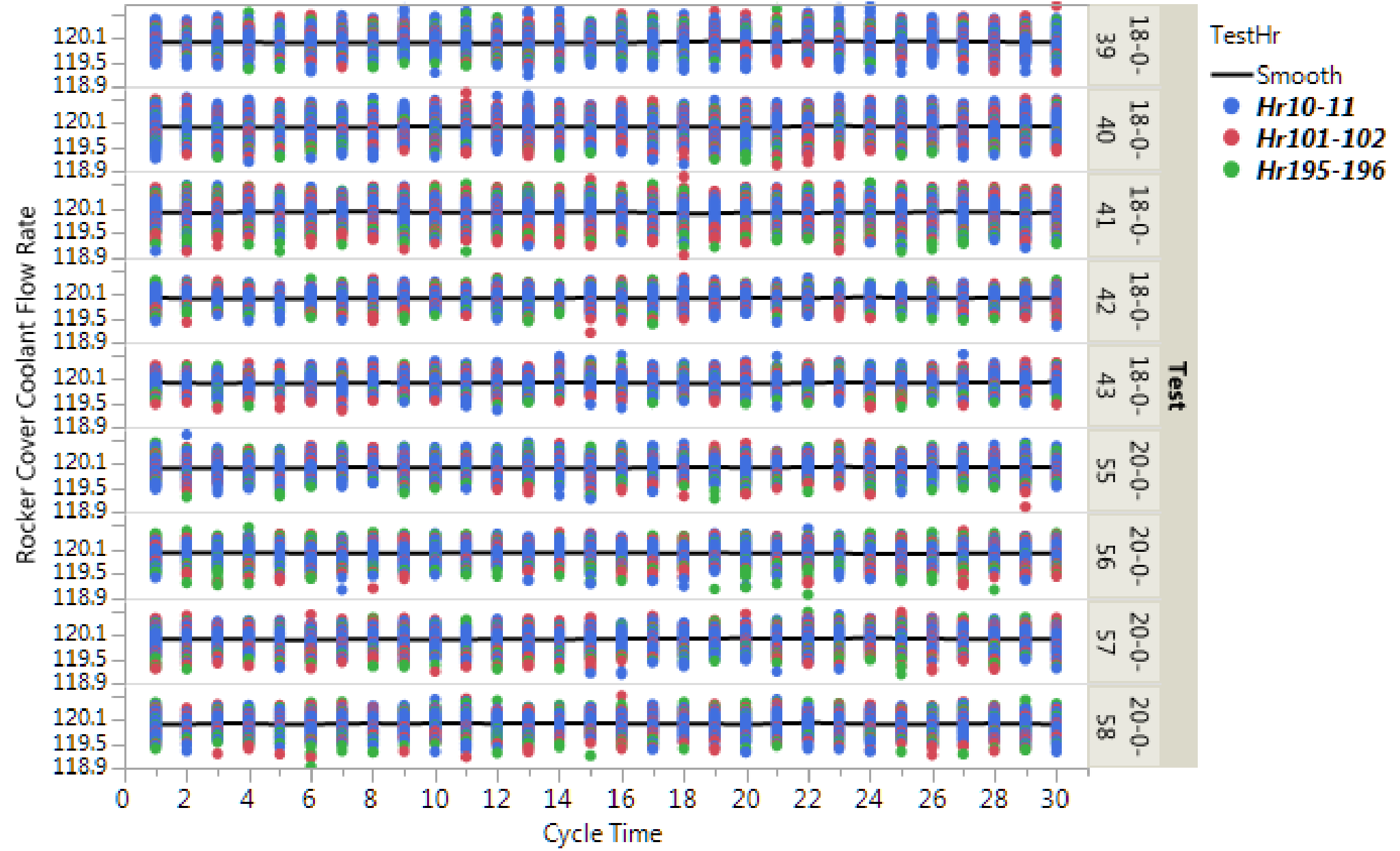
Where(LAB = Southwest)

Pedal Position vs. Cycle Time



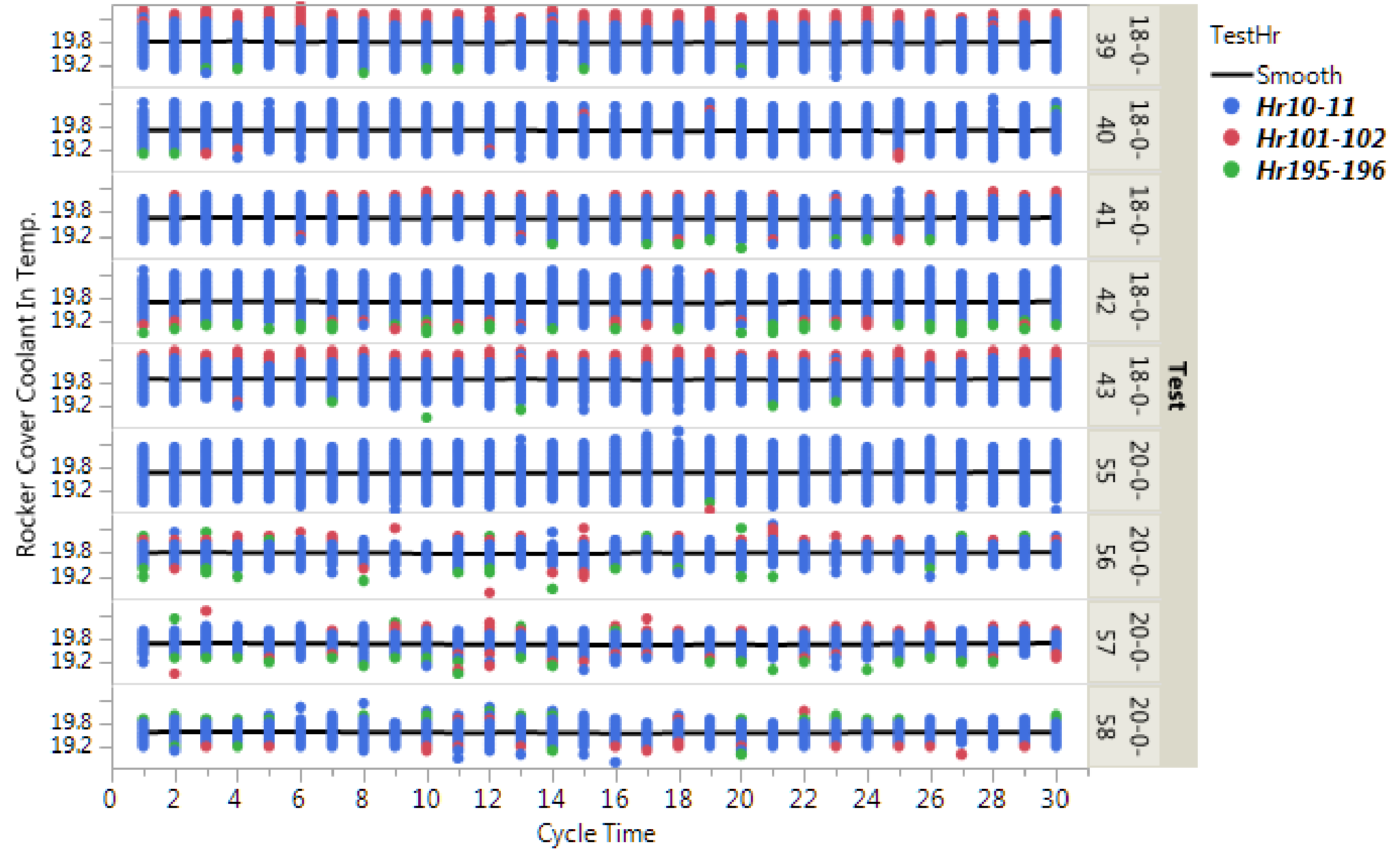
Where(LAB = Southwest)

Rocker Cover Coolant Flow Rate vs. Cycle Time



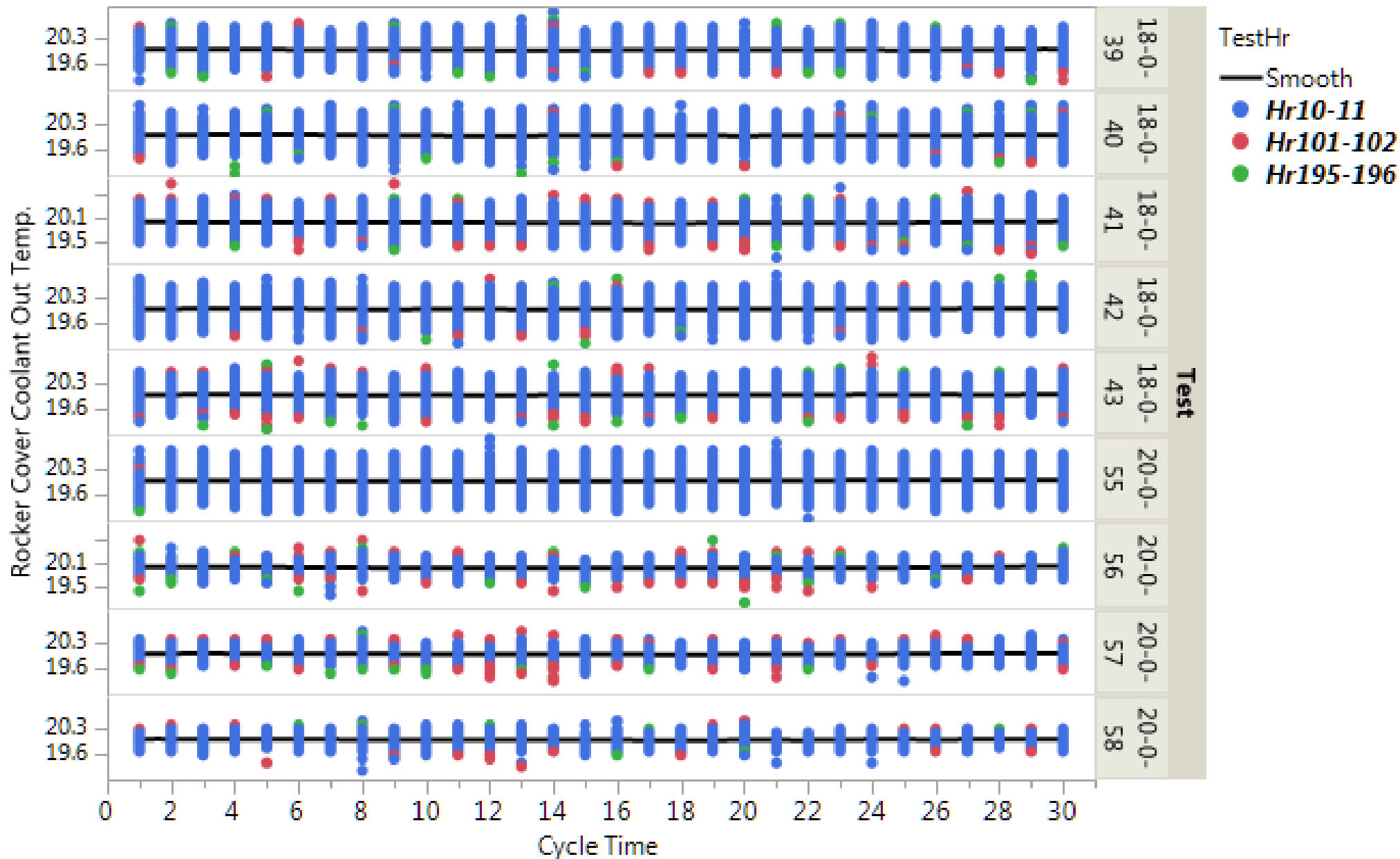
Where(LAB = Southwest)

Rocker Cover Coolant In Temp. vs. Cycle Time



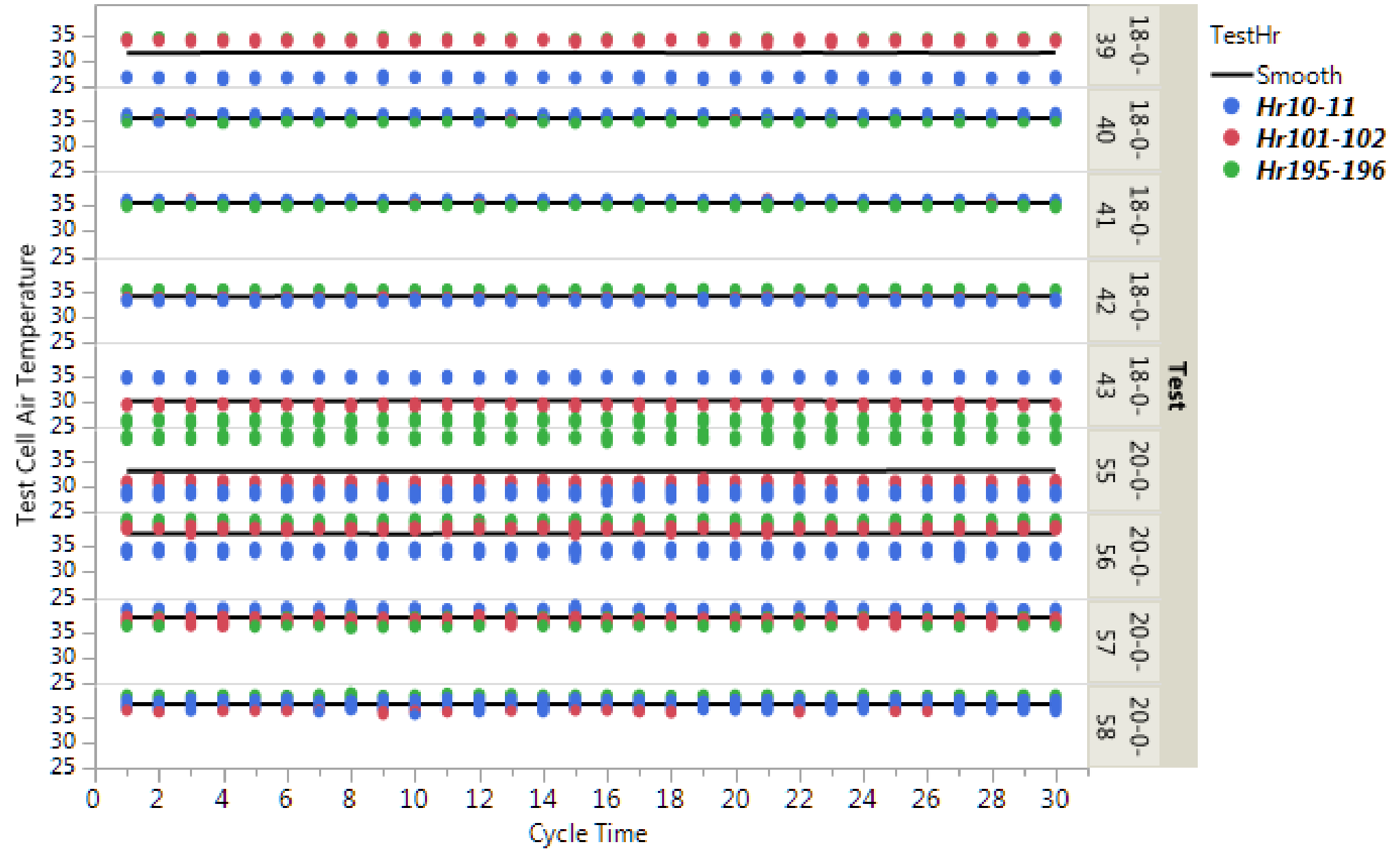
Where(LAB = Southwest)

Rocker Cover Coolant Out Temp. vs. Cycle Time



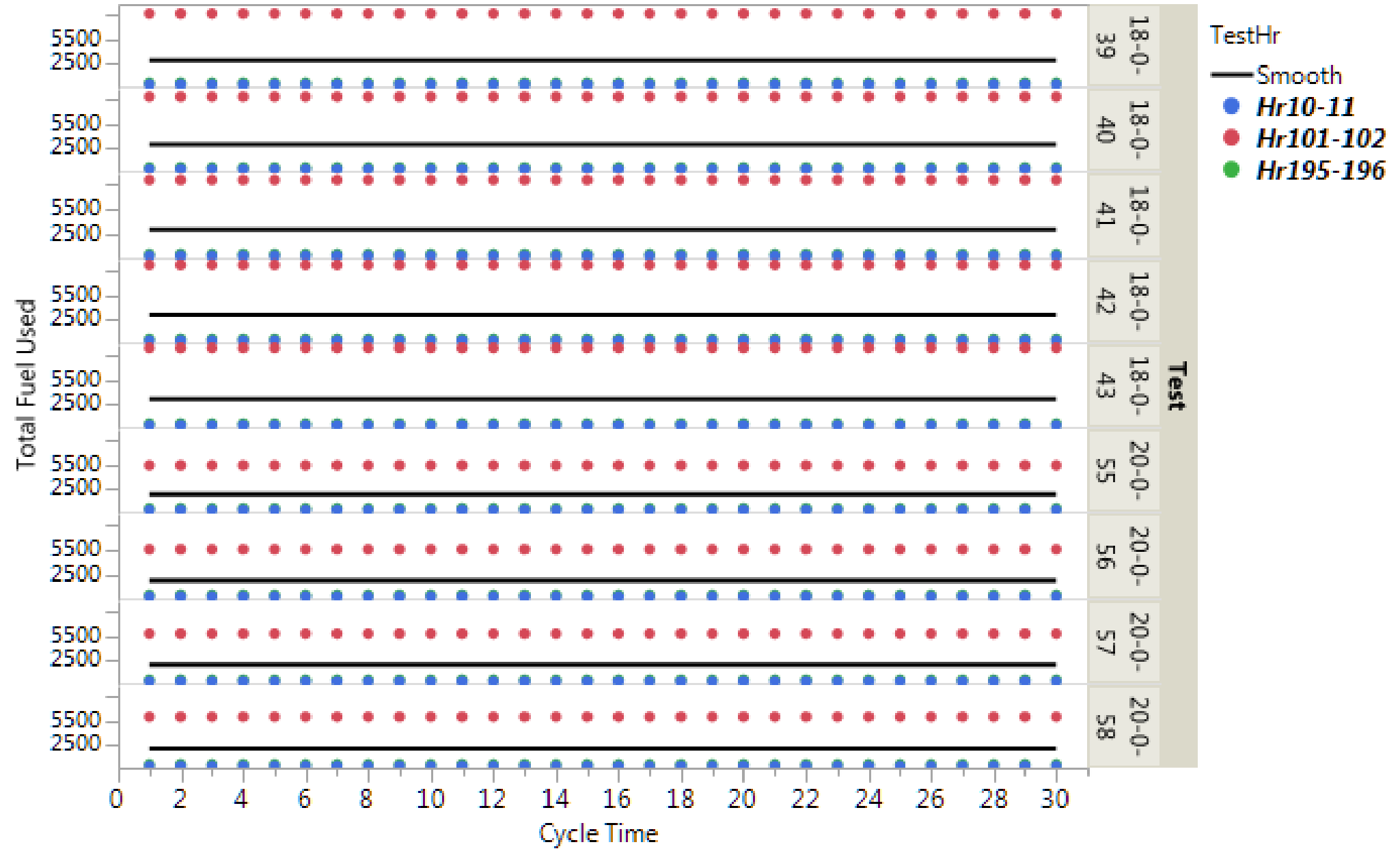
Where(LAB = Southwest)

Test Cell Air Temperature vs. Cycle Time



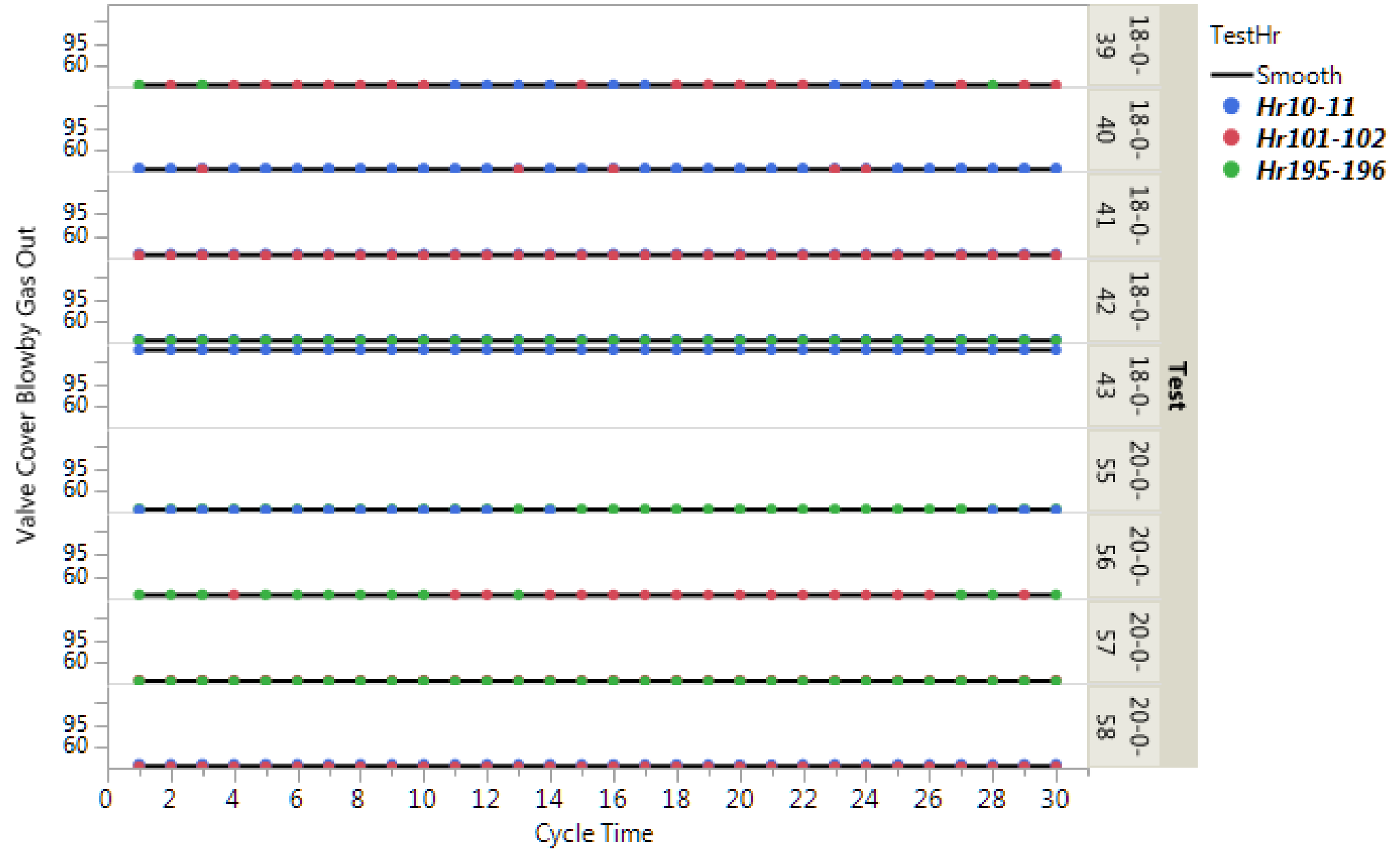
Where(LAB = Southwest)

Total Fuel Used vs. Cycle Time



Where(LAB = Southwest)

Valve Cover Blowby Gas Out vs. Cycle Time



Where(LAB = Southwest)