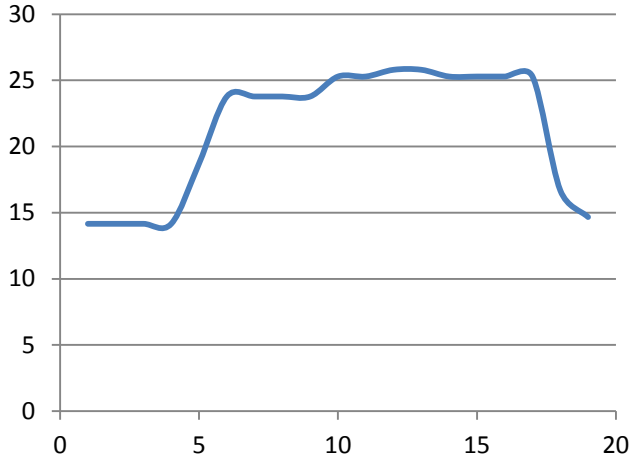


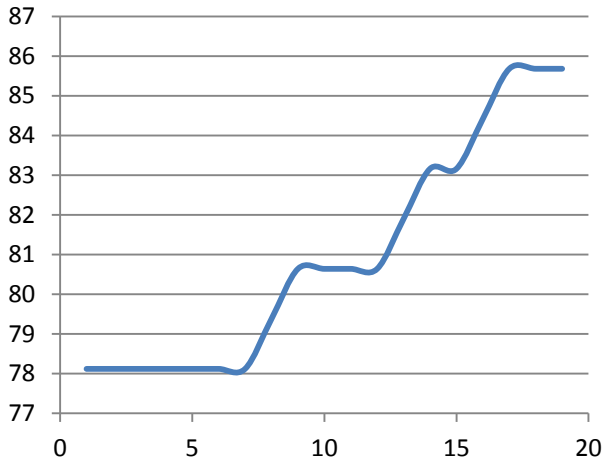
Throttle Angle (%)



Cruise control sets the throttle angle to accelerate

— Throttle Angle (%)

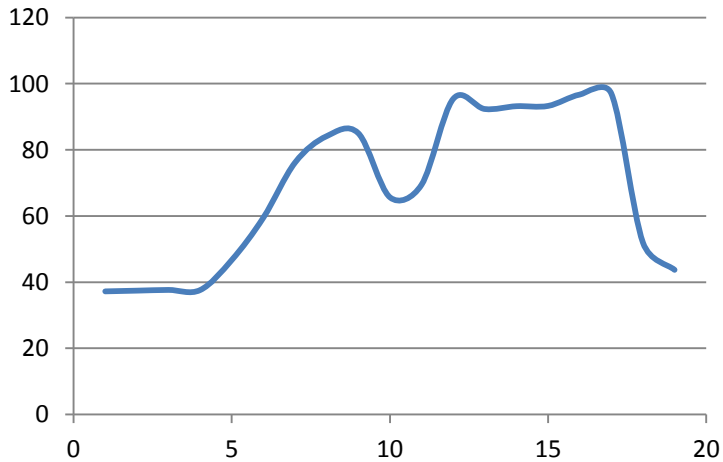
Vehicle Speed (mph)



But the engine bogs twice on a mild acceleration event

— Vehicle Speed (mph)

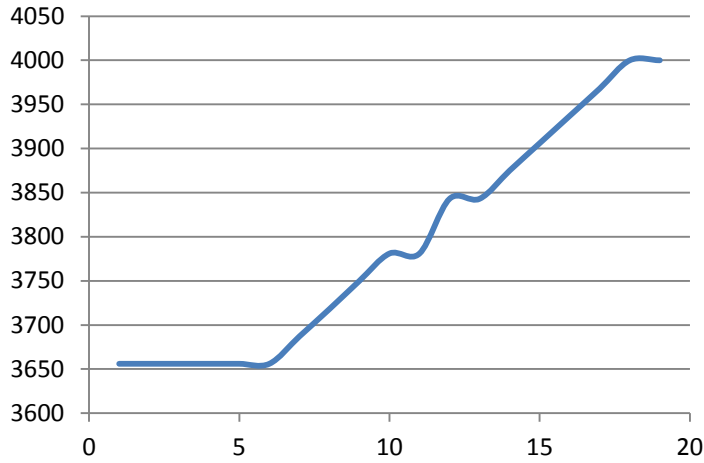
MAF (g/s)



The MAF sensor responds initially, but then drops 30% in signal during the event.

— MAF (g/s)

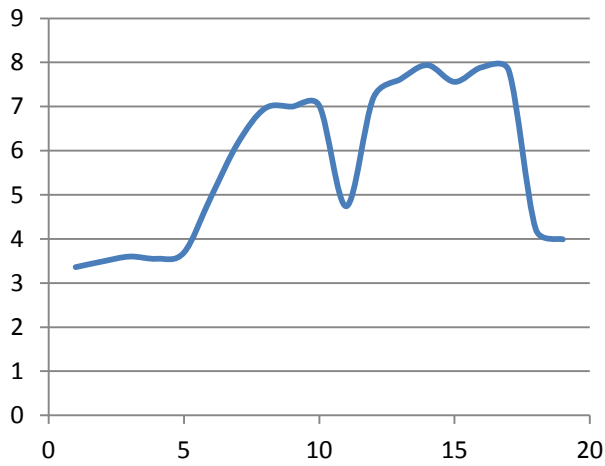
RPM (RPM)



Since the engine RPM is increasing monotonically and the throttle angle is constant, the MAF reading is clearly errant.

— RPM (RPM)

Inj. Pulse Width (ms)



The low MAF reading causes the injectors to give less fuel – resulting in the bog.

— Inj. Pulse Width (ms)