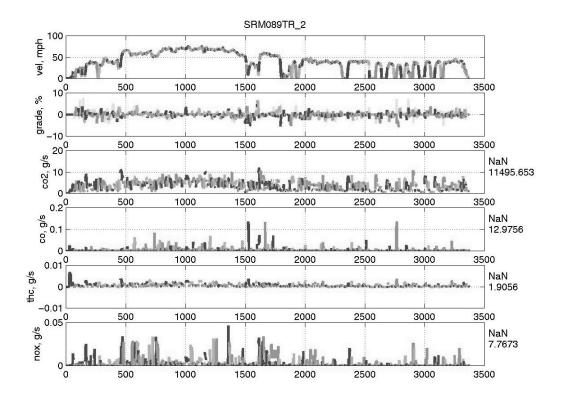
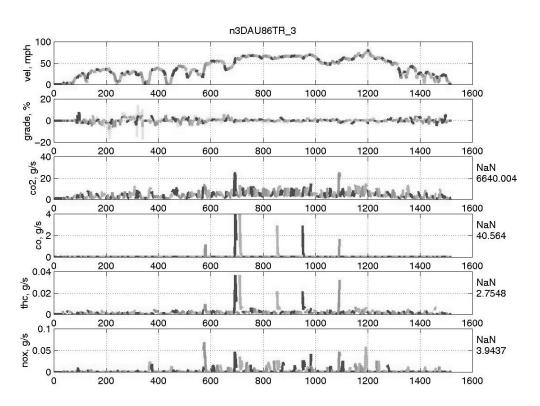
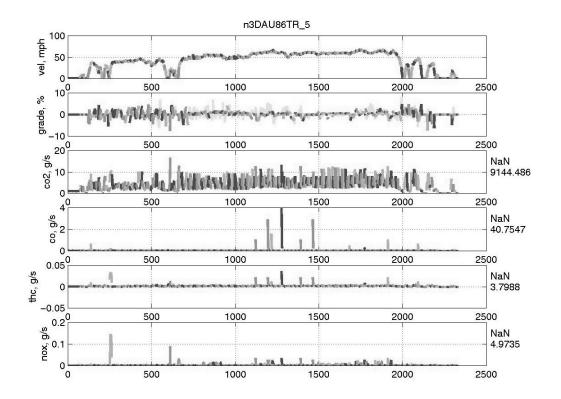
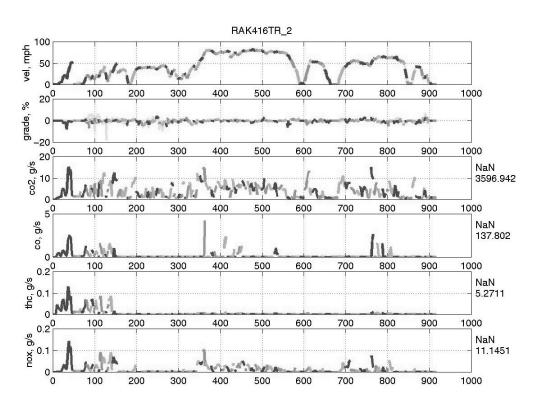
## Appendix A Micro-scale Emissions Plots

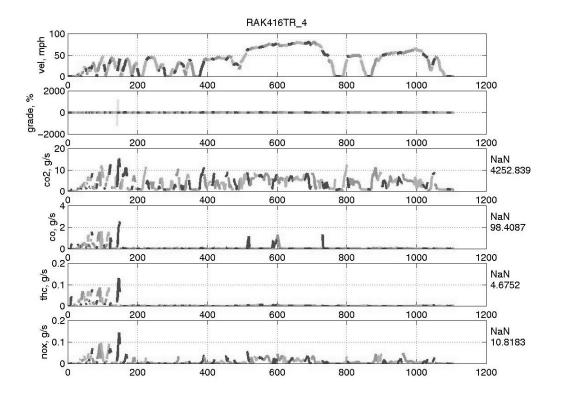
## **ON-ROAD SPARK IGNITION**

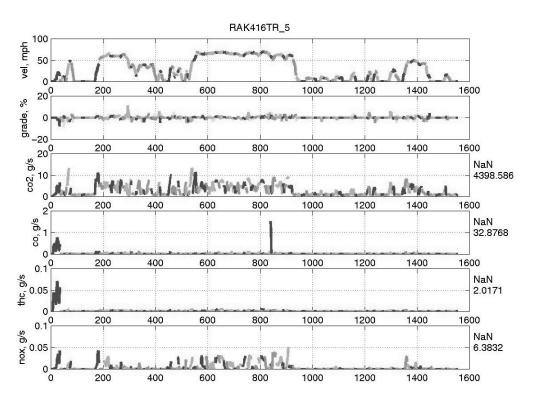




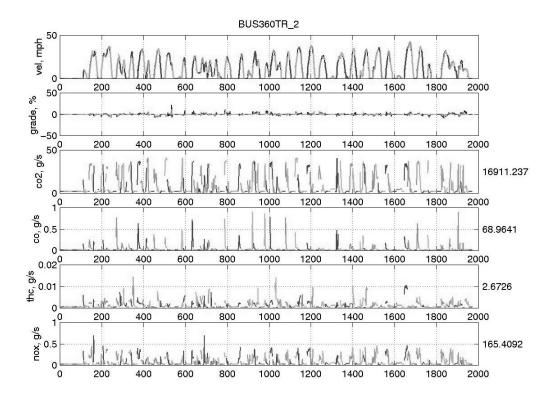


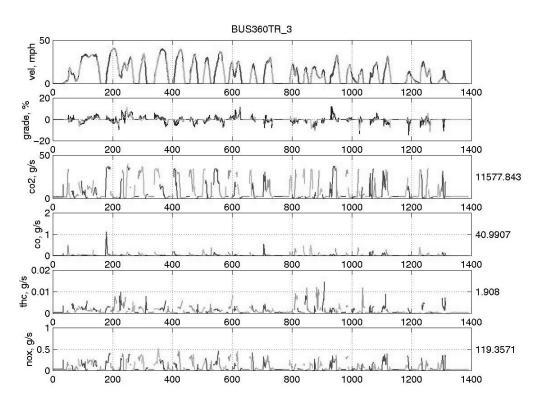


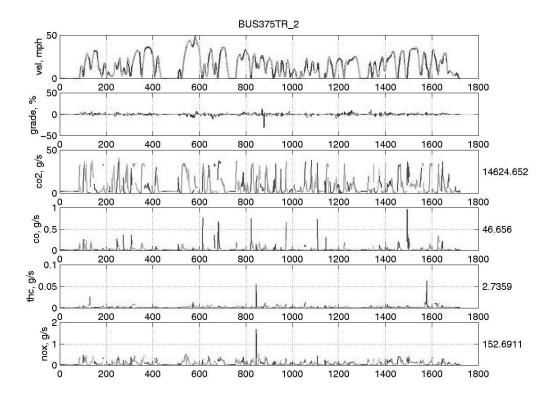


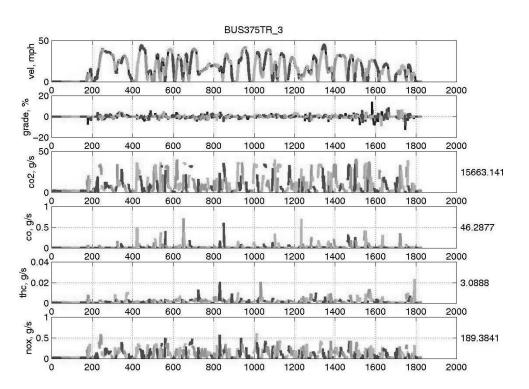


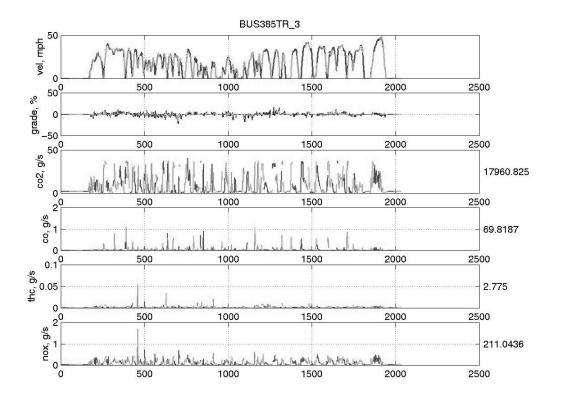
## ON-ROAD COMPRESSION IGNITION

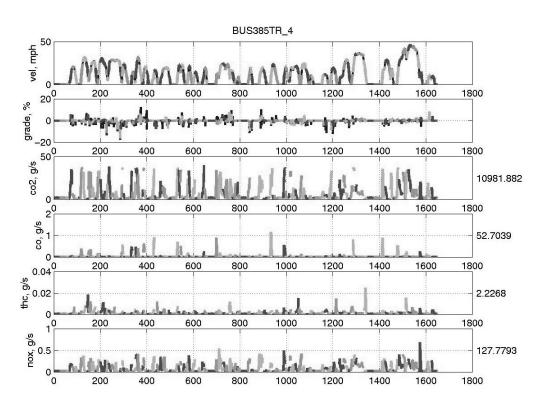












## OFF-ROAD COMPRESSION IGNITION

