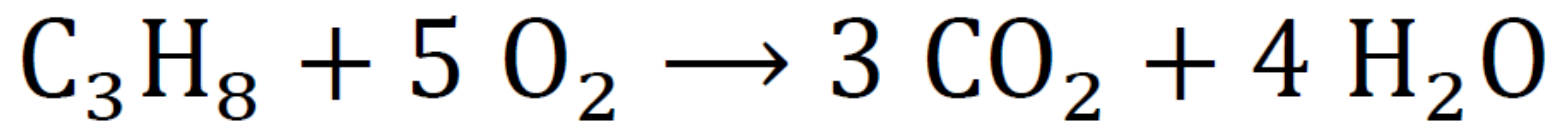
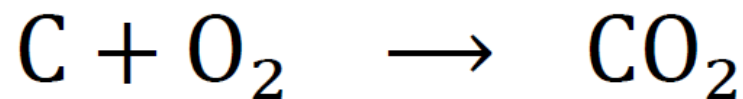


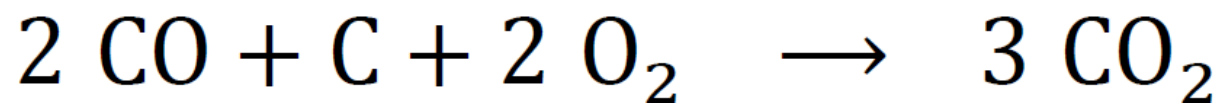
A SIMPLE TWO-STEP REACTION SCHEME FOR SOOT AND CO PREDICTION IN FDS

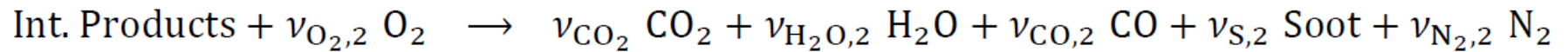
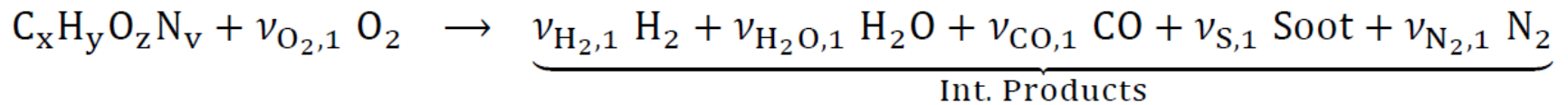
Kevin McGrattan and Randall McDermott
National Institute of Standards and Technology
Gaithersburg, Maryland, USA

Jason Floyd
Jensen Hughes, Baltimore, Maryland, USA







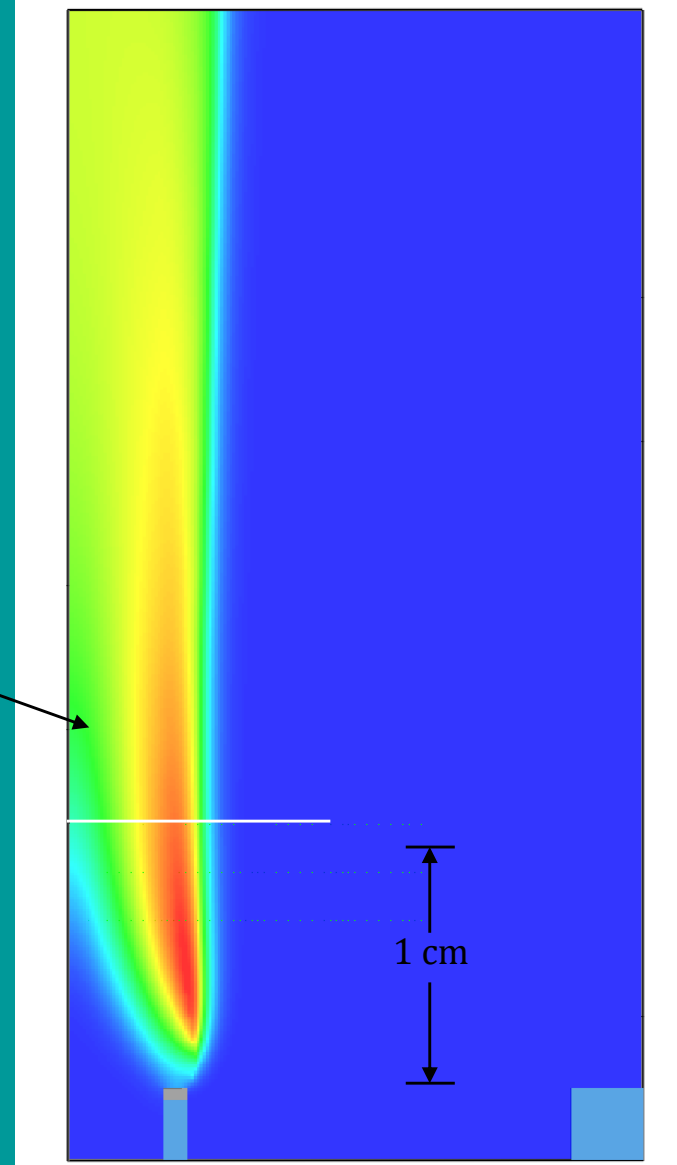
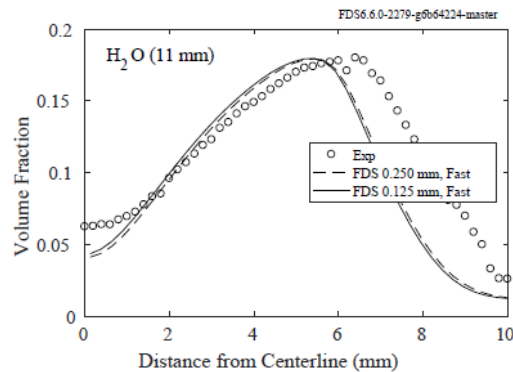
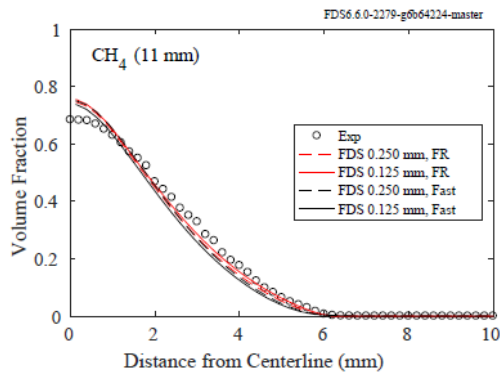
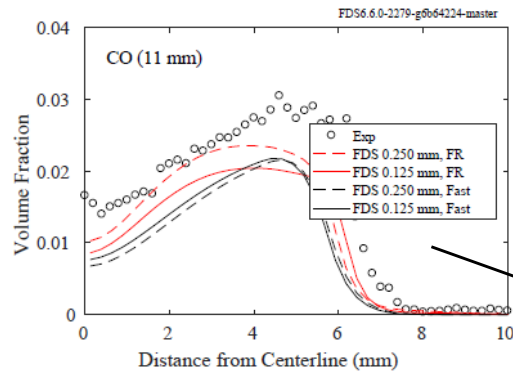
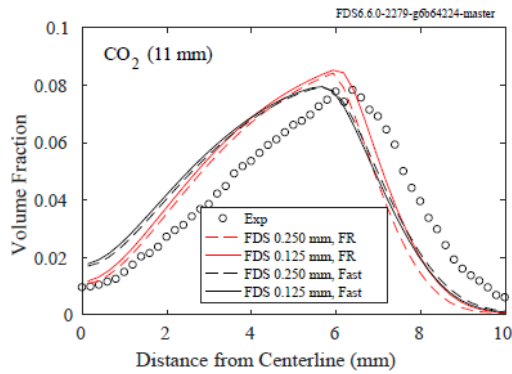
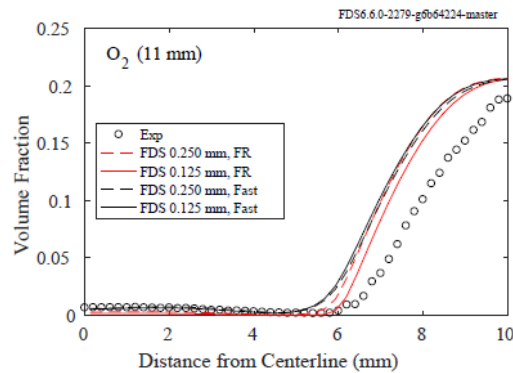
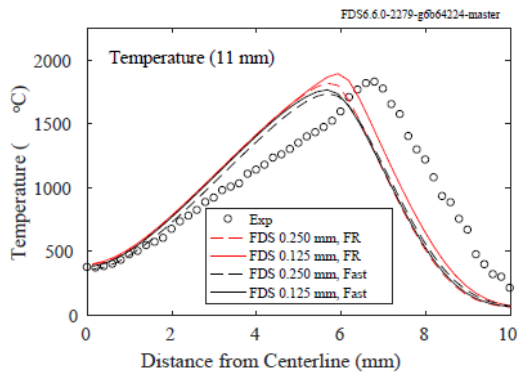


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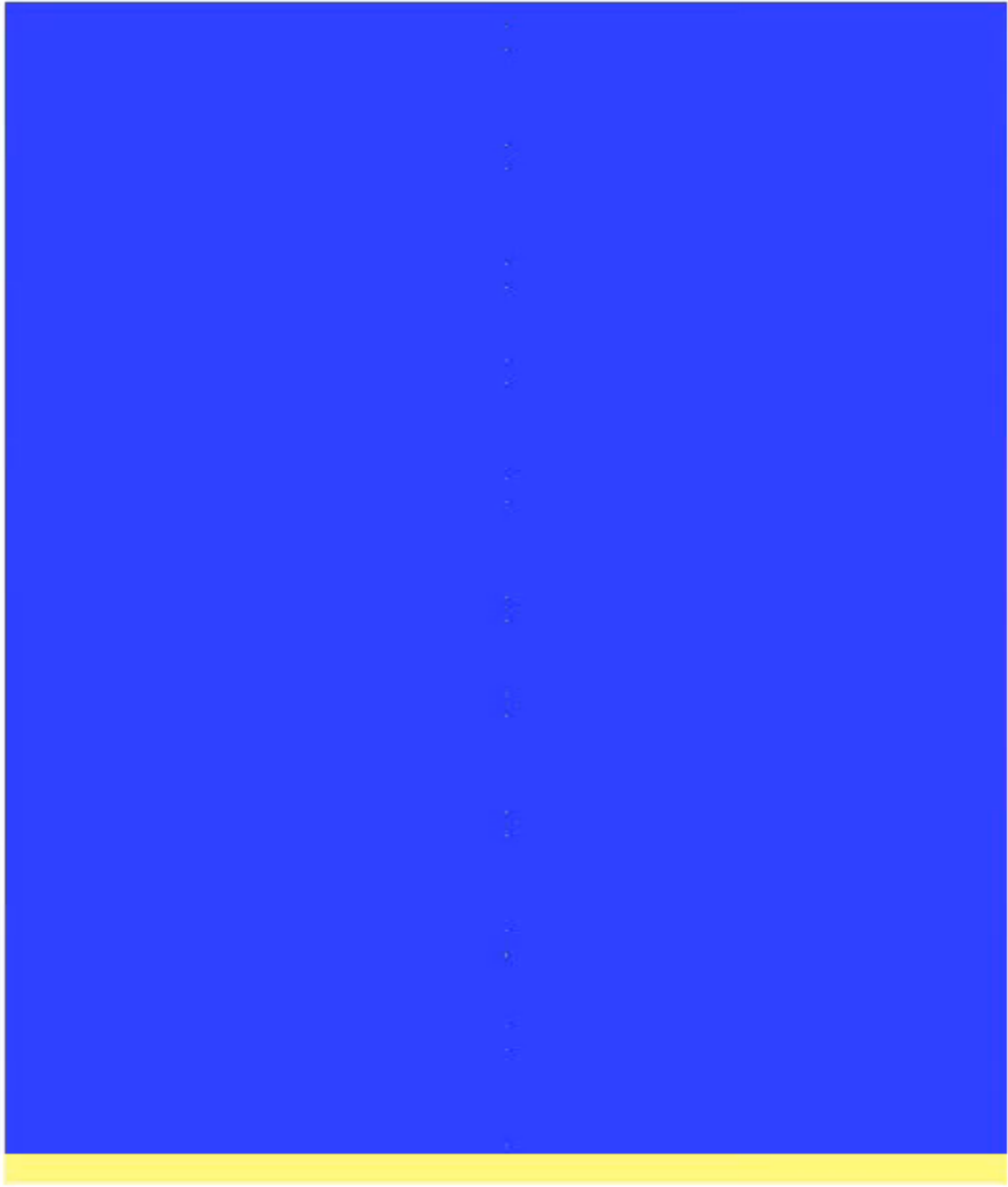
Smyth Slot Burner Experiments

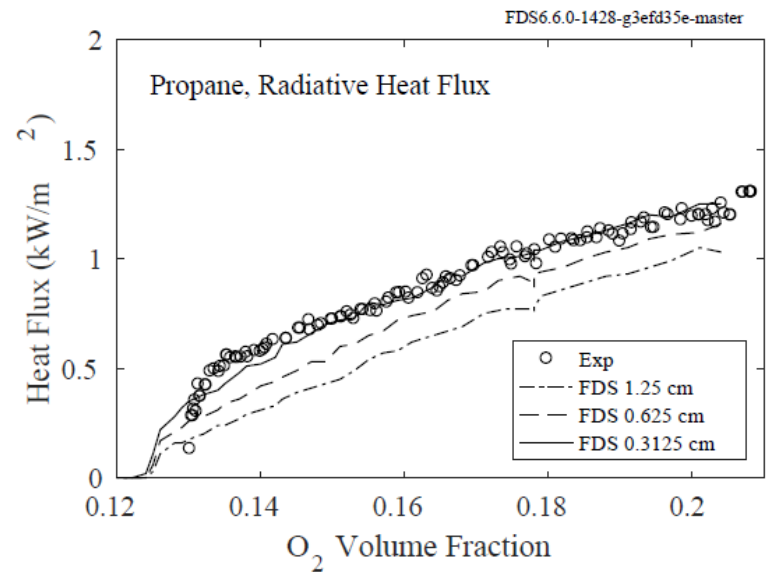
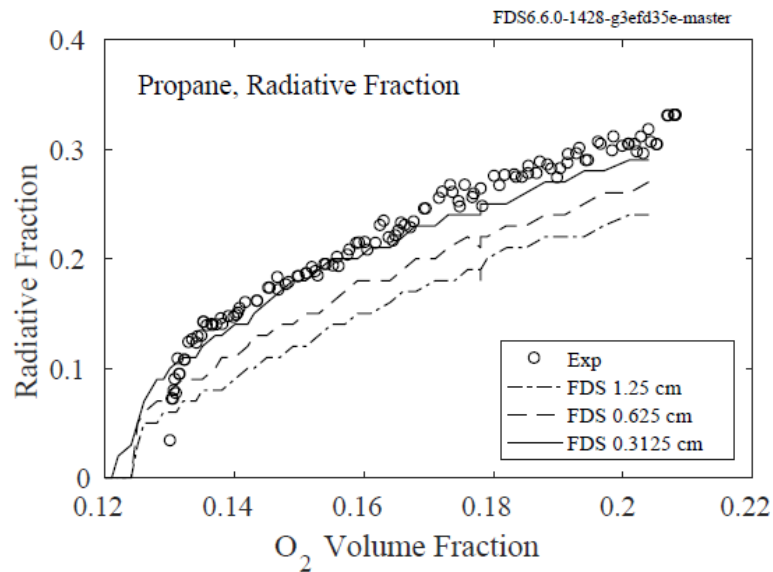
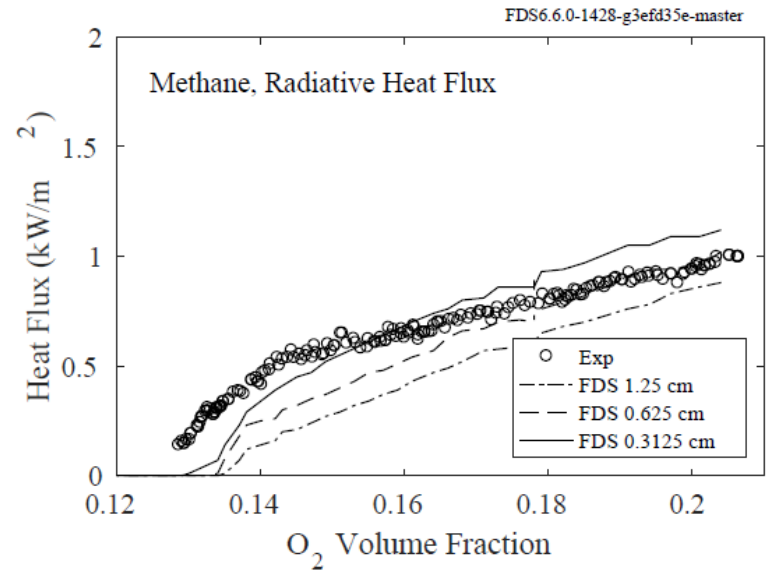
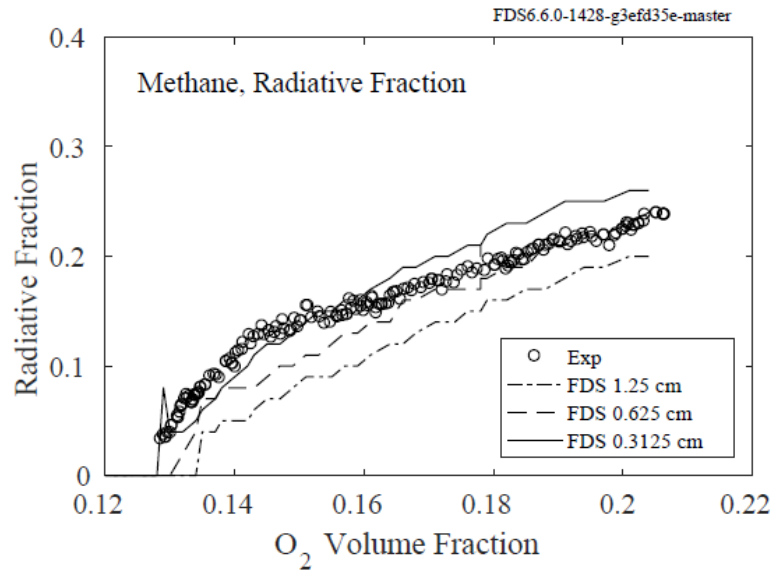


University of Maryland Line Burner







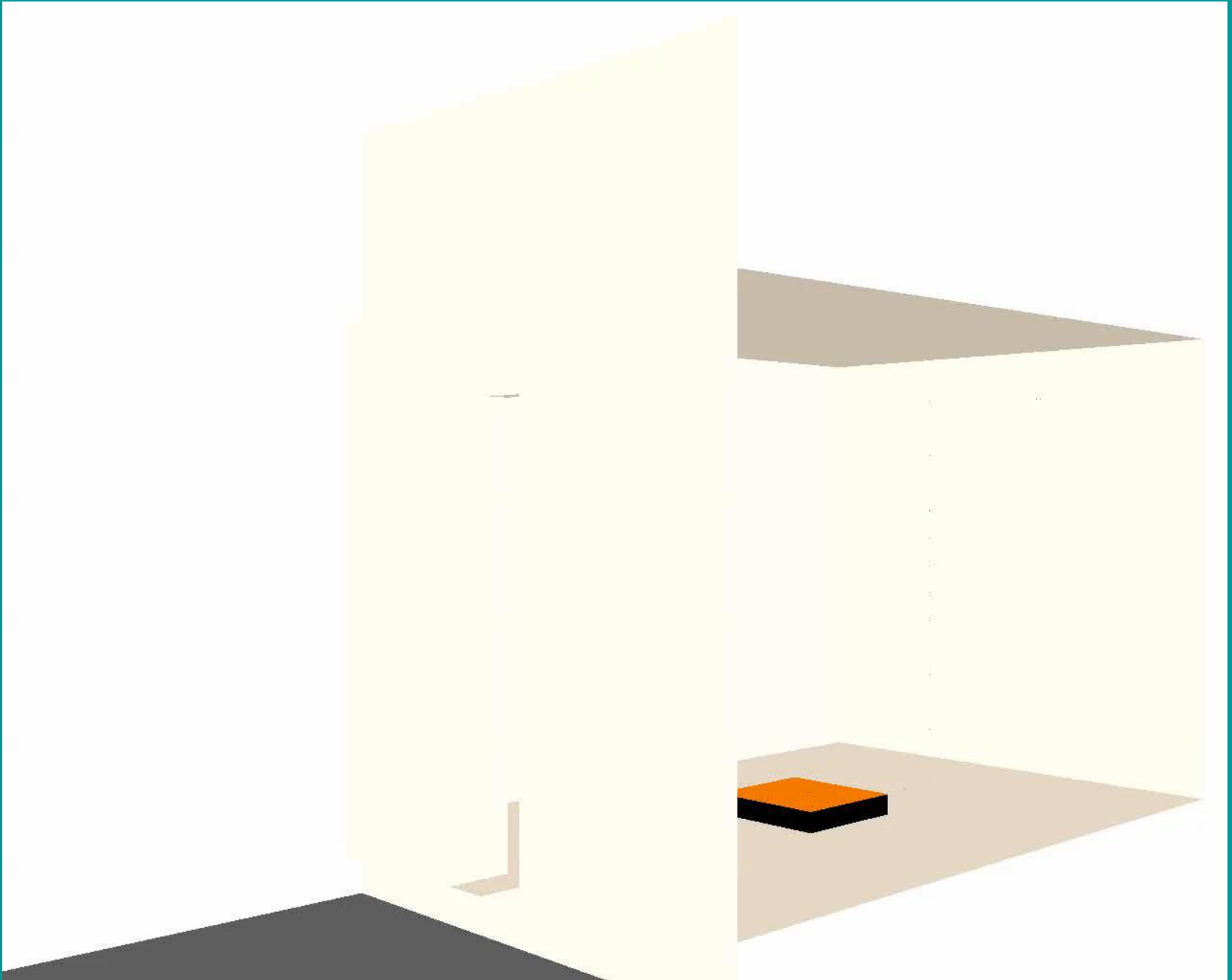


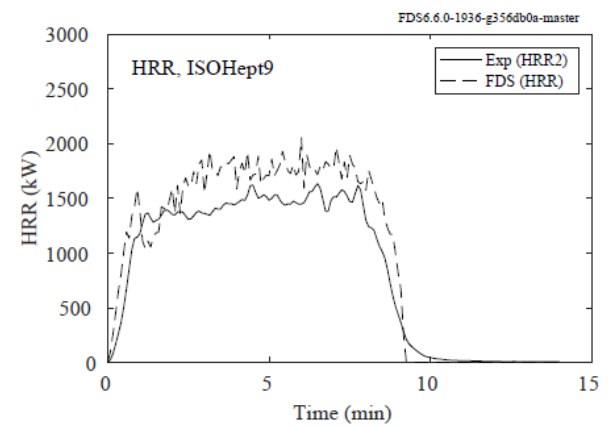
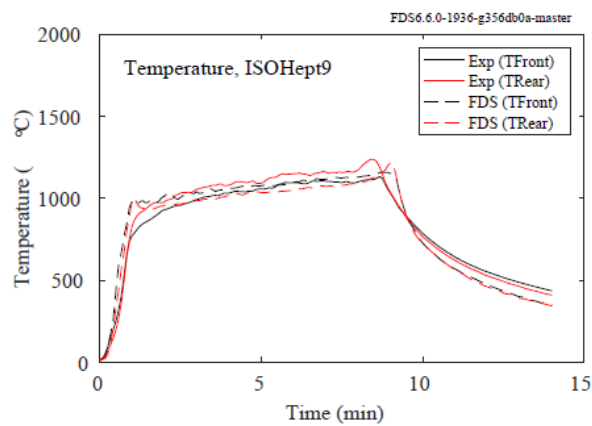
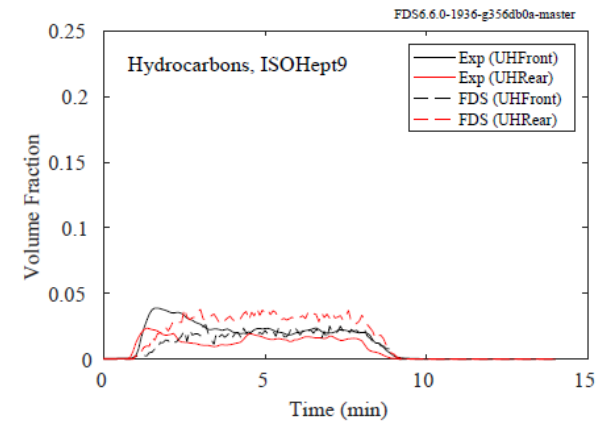
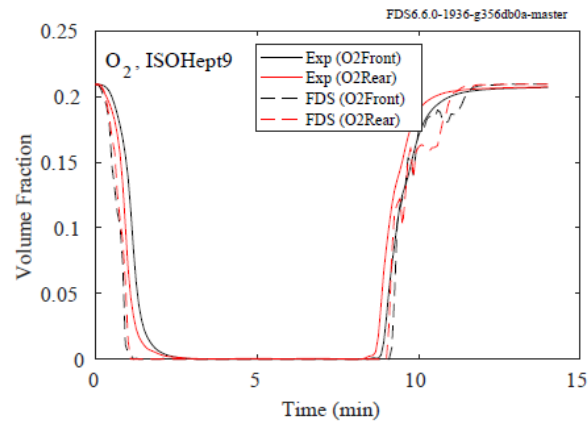
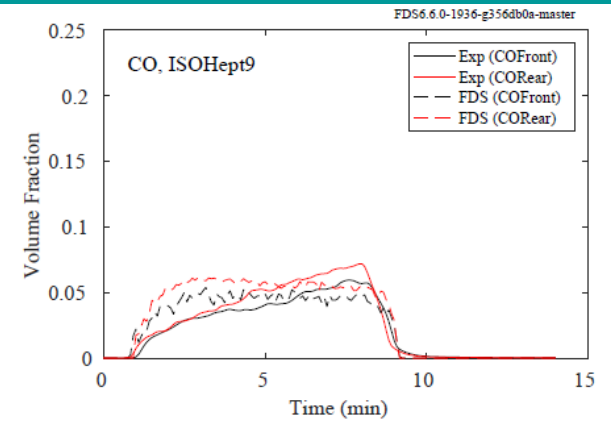
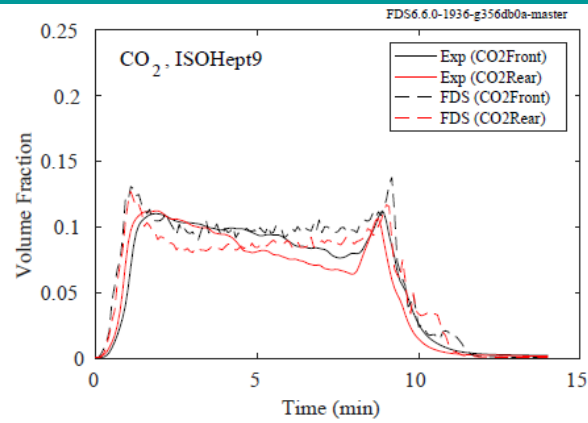
NIST Heptane Spray Burner Fire in ISO 9705 Compartment

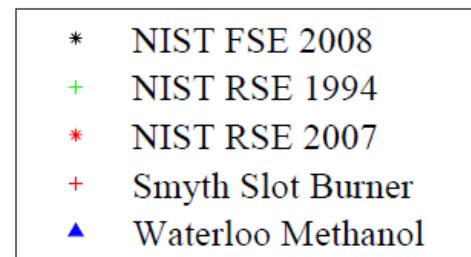
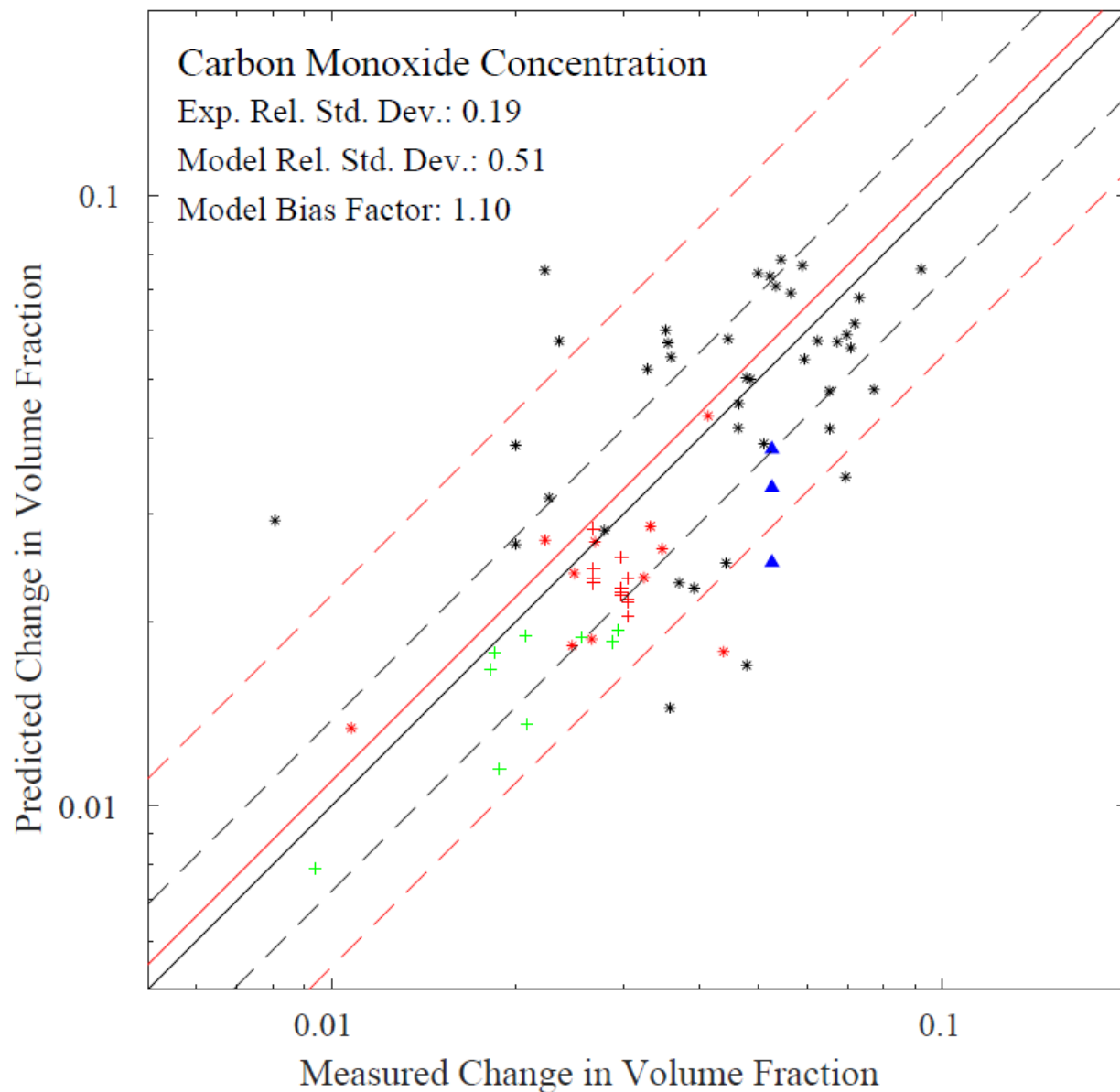


2.4 m

FDS Simulation







Things to do...

1. Can we predict, rather than specify, the distribution of C in the fuel to CO and Soot?
2. Can we predict post-flame CO and Soot yields?