

Interactive comment on “Dynamic Infrared Gas Analysis from Longleaf Pine Fuelbeds Burned in a Wind Tunnel: Observation of Phenol in Pyrolysis and Combustion Phases” by Catherine A. Banach et al.

Anonymous Referee #1

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This manuscript described FT-IR measurements of gases evolved by plant material in various stages of combustion. Both the experimental measurements and data analysis were carefully performed, and I recommend that this manuscript be accepted with no changes. Just to show that I did read the manuscript, I did find one minor error. The singular form of “criteria” is “criterion” (line 2 of page 19). Although the following comment need not be addressed in the final version of this paper, I was quite surprised that acetylene was not observed. Was this because the strong Q branch of the bending mode absorbs below the cut-off of the MCT detector or was acetylene simply absent?

C1

Was there no trace of the C-H stretch at ca. 3300 cm⁻¹?

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C2