Journal: ACP

Title: Application of a Hygroscopicity-Tandem Differential Mobility Analyzer for characterizing PM Emissions in exhaust plumes from an Aircraft Engine burning Conventional and Alternative fuels

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The authors clarified technical questions by reviewers, corrected minor grammatical issues and overall improved the document. As stated on the first review, the authors describe well their analyzer system and pertinent application results. The aerosol hydroscopic property measurements are relevant, especially with the inclusion and comparison for alternative fuels. I still highly recommend the paper for publication. I offer the following suggested edits and comments:

Page #	Line #	Suggested Edits or Comments
2	24	Delete "measured"
3	14	Delete "were"
3	18	You are missing something between the numbers "0.91 0.99"
8	6	Period missing at the end of the sentence
10	5	Delete "was"
10	7	Sentence should not end with a preposition
10	12	Change "data is" to "data are"
10	14	Was taught to generally avoid using "very" in formal papers, but ok with me
		personally.
10	18	Delete the extra period at the end of the sentence
11	5	Remove parentheses around the "3"
11	5	Consider rewording to "Fig. 3 shows plots of κ vs. Xd for the same four chemicals
13	6	Delete the period after the "4"
13	7	Suggest adding the word "value" to read " highest SR value"
13	7	Add comma after the work "extremes"
14	9	Sentence seems out of order. You state "Also shown " before you introduce the
		figure
16	15	Should be plural "analyses have"
17	3	Put a space between the value and the units (in several places)
17	7	Add space between value and units: 143 m instead of 143m
17		Suggest adding the words here in yellow: "The exhaust was transported through
		the tube to a small trailer"
17		Consider stating all dimensions in meters, maybe put 2" in parentheses
17	17	Add a space between the values and their units
17	18	Add a space between the value and the units
17	29	Wording indicates all the SO2 goes to SO3 and H2SO4. I don't think this is true. If
		you agree, add a qualifier like " a portion of the SO2"
18	14	Separate "withthe"
19	4	Add a space between the value and the units
21	4	Suggest adding the word particle → " particle sources"