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Atmospheric Measurement Techniques Discussions

Interactive comment on "A comparison of very short-lived halocarbon (VSLS) and DMS aircraft measurements in the Tropical West Pacific from CAST, ATTREX and CONTRAST" *by* Stephen J. Andrews et al.

Anonymous Referee #2

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This is a review of the paper titled "A comparison of very short-lived halocarbon (VSLS) and DMS aircraft measurements in the Tropical West Pacific from CAST, ATTREX and CONTRAST" by Andrews et al. Overall, the paper is well written and has completed a rigorous data analysis. I like the method of displaying the distributions as a function of altitude for each gas. I have some criticism that needs to be address: (1). Why are many of the sampling canisters treated with silicon compounds and the standards are not? (2). Why don't you test your theory in the lab of lost in the long tubing on the aircraft, rather than speculate. (3). I would like to see more discussion of Table-1 results as a function of altitude. Is the variation between datasets a result of altitude

or reactivity/stability of gas or concentration? (4). Minor: grammar errors, data are plural. Do a search and replace over the whole manuscript. (5). It was very hard to see the individual reference citations without hanging indents. Perhaps this will be fixed by the journal in final form. I feel that the format of the journal, AMT, is appropriate for this article. Once the major points (1-3) are addressed, I would reconsider the revised manuscript for publication.

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