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Interactive comment on “Long term halocarbon observations from a coastal and an inland site in Sabah, Malaysian Borneo” by A. D. Robinson et al.

Anonymous Referee #2

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The paper presents the first long term measurements of predominantly brominated halocarbons made in the West Pacific/Southeast Asian region. Measurements are made using GC-ECD and modeling has been performed to help understand the impacts of these compounds on the tropical region. This paper will potentially be interesting to other scientists in the field. I would recommend this paper be accepted with a few minor alterations to aid clarity. Specific comments

Page 1924 line 12 Include which Carboxene type trap is being used with the instrument

Page 1925 paragraph beginning line 17 In this paragraph the authors discuss the co-elution of CH₂Br₂ and CHBrCl₂, and the discussion to report CH₂Br₂ as CH₂Br₂* without correction. The reasoning for this is solid, however, inclusion of a short para-

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graph on the likely hood of similar sources of CHBrCl₂ and CH₂Br₂ as well as the atmospheric lifetime would be good as this is included for the primary spicies of interest in the result section and would aid understanding the the CH₂Br₂ section.

Page 1926 line 9 Would the authors please clarify what is meant by background air.

Page 1936 line 17 "The observed time series..." This should be reworded such that the model is compared to the observations rather than how well the observations match the model.

Page 1937 line 12 The discussion of the differences observed between Tawau and Bukit Atur mention the inclusion of up to 30% CHBrCl₂ but not whether the authors would expect this ratio to vary with transport and consequently whether the differences between the two sites are due to dilution or differential processing os the bromocarbon within the airmass.

Page 1940 line 20 Again, this needs rewording to indicate that the model needs to capture the observed data rather than the other way round. The fact that the resolution of the model prohibits it from capturing the high coastal values could be discussed in this light.

Page 1941 line 4 "There have been..." This is the first use of VSLS and needs to be defined as although it is a relatively common term within the community there are variations.

Interactive comment on *Atmos. Chem. Phys. Discuss.*, 14, 1919, 2014.

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