

Interactive comment on “Hygroscopicity of urban aerosols and its link to size-resolved chemical composition during spring/summertime in Seoul, Korea” by Najin Kim et al.

James Hudson (Referee)

hudson@dri.edu

Received and published: 9 July 2020

The comment was uploaded in the form of a supplement:
<https://www.atmos-chem-phys-discuss.net/acp-2020-450/acp-2020-450-RC1-supplement.pdf>

Interactive comment on Atmos. Chem. Phys. Discuss., <https://doi.org/10.5194/acp-2020-450, 2020>.

C1

This is a good paper that should be published after many minor revisions. Most corrections are typical of Asian writing. Section 4 is difficult to follow and is not well supported. A figure showing the bimodal GF is in order. However, this section could be removed. Several definitions are needed.

Define refractory, non-refractory, MDL, OA, PM1, downweighting, standard density, rush hours, epsilon (in Fig. 9), and SNR. Citation needed for PMF.

L11. Correspondences singular. Were to was. Delete 1st the.
L13. Change infer to imply.
L15. Delete the.
L18. Delete the.
L26. Delete from its surrounding.
L27. Particle plural. Delete the.
L30. Rogers. Delete to be.
L32. Add s to influence. Delete on.
L33. Change it to hygroscopicity.
L35. Delete problem. Change under a to with.
L36. Add ity to humid. Delete condition.
L40. Add Kim et al. 2011. Move the after of.
L42. Insert the after of. Delete the.
L43. Measurement plural.
L44. Change mixture to mixing.
L45. Delete would.
L46. Change can to could.
L47. Measurement plural. Insert a after for.
L48. Mixture plural.
L51. Delete values.
L54. Delete their. Locations singular.
L61. Delete the.
L63. Delete of aerosols.
L65. Estimates.
L67. Various.
L73. Delete 1st the.
L75. Delete 2nd the. Area plural.
L81. Change in to to.
L82. Delete last the.
L82-3. Move SMA in front of air.
L83. Delete of.
L89. Delete from a global perspective.
L91. Delete the. Delete territory. Korea.
L94. Delete last the.
L98. Delete 2nd the.
L99. Insert a after by. Insert a after and.
L110. Measurement plural.
L113. Delete the. Move road (singular) in front of traffic (singular). Delete on the.
L116. Change such to this. Condition plural.

1

Fig. 1.

C2