Thank you very much for taking the time to find these further corrections. I have made the suggested corrections, as outlined below.

- l. 194/195: Text: “ These species, along with the aerosols described above, are all averaged in the ``aerosol averaged' simulations”
Comment: ‘Species’ are not averaged but their concentrations. It should be “These species concentrations…”

Author’s response: Changed to ‘These species concentrations…’

- l. 263: “NH4-“ should be “NH4+”

Author’s response: Made the suggested change.

- l. 273 – 275: Text: “Sulphuric acid, on the other hand, is hygroscopic, meaning it readily absorbs water at nearly all RH and does not display this step-function behaviour in water absorption.”
Comment: ‘Hygroscopic’ is not defined as being able to take up water at all RH. Also salts that have a distinct DRH are hygroscopic. I suggest shortening the sentence to
“Sulphuric acid, on the other hand, readily absorbs water at nearly all RH and does not display this step-function behaviour in water absorption.”

Author’s response: Changed to suggested response: “Sulphuric acid, on the other hand, readily absorbs water at nearly all RH and does not display this step-function behaviour in water absorption.”

- l. 284-285: “… and drives the reaction to the aerosol phase”
Comment: This sounds odd. I suggest changing it to “… it drives the equilibrium towards the aerosol phase.”

Author’s response: Changed to suggested response: “… it drives the equilibrium toward the aerosol phase.”

- l. 450: “expect sulphate” – should be “except sulphate”

Author’s response: Made the suggested change.

l. 527: “…accumulation mode number” should be “…accumulation mode number concentration” (here and at some other places throughout the manuscript)

Author’s response: Changed ‘accumulation mode number’ to ‘accumulation mode number concentration’ at lines: 523, 524, 527, 599, 605, 691 and 696.

- l. 577 and l. 582: OH should be named hydroxyl radical or hydroxy radical (or simply ‘OH’), not ‘hydroxide’ as this usually refers to the anion OH-

Author’s response: Changed to ‘OH’ in both lines 577 and 582.