

The authors included all the required additional information into the article. Therefore I am much in favour of publishing this article. Some very minor issues remain:

- page 5, line 2: abbreviation JSC not introduced
- page 6 line 20: full stop after bracket missing
- page 6 l.30 / page 7 l. 1 and p. 7, l. 23/24 : What is “runtime” as it seems to be able to do something (from your sentences). Do you mean “at runtime” or “during runtime” or do you mean by runtime something I do not understand?
- p.7 l. 8: “All changes are in the MESSy MECCA KPP source” → “ All changes are in the automatically generated MESSy MECCA KPP source code “..
- p. 8, l. 2: Fig. 4 → Fig. 7
- p. 9, l. 9: NBL is not introduced here. (at least add “(see below)” behind NBL.
- p. 11, l. 19: Fig. 5 → Fig. 8
- p. 12, l. 8: Fig. 5 → Fig. 8
- p. 13, l. 19: SCAV is not the aerosol submodel (that would be GMXe, also dealing with KPP), SCAV calculated scavenging ...
- p. 13, l. 19: remove “also”