

Referee's comments on Development and application of a street-level meteorology and pollutant tracking system (S-TRACK)

1. L.28: Add the result for the conclusion for Section 3.3 after line 28-29
2. L.38: Check the order of in-text citations. Here is the guideline of ACP

In terms of in-text citations, the order can be based on relevance, as well as chronological or alphabetical listing, depending on the author's preference.

3. L.51 : pre-processing can be removed.
4. L.55 : CFD technology, CFD approach, CFD simulation
5. L.65: give the full name of NO₂ and O₃ because they appear in the text for the first time.
6. L.75: give the full name of ECMWF and NCEP.
7. L.81: give the full name of NO_x.
8. L.81: correct WRF-LES to WRF
9. L.125: correct base -> based
10. L.126: correct refine -> refined
11. L.135: correct grids -> grid cells. There are other places to check.
12. L.149: correct the citation and also in the reference list: Jls et al. to Santiago et al.
13. L.167: correct Figs -> Fig
14. L.192: If you do not use Turbulence option in FLEXPART, I think you don't have to explain the option. You may remove the paragraph from "plus random" to line 198.
15. L.203: remove "tracer particles in the course of simulation".
16. L.220: add the minus sign, 1.86K to -1.86K and 5.95% to -5.95%
17. L.222: correct as "significance test (see Appendix 2)"
18. L.234: rewrite the sentence.
19. L.244: define the hit rates (HR)
20. L.307-L.311: In abstract, you explain that an identical traffic volume is used. Is it true? You mention the average traffic volumes for R1 to R4 in L.308. "identical intensity" is same to identical traffic volume?
21. L.312-322: I understand that RTA is the potential contribution ratio. RTA is computed using the residence time in the grid cell (i, j) of the particles passing within 5 m height above the road. Is it right? Using the acronym PCR for potential contribution ratio may be helpful.
22. L.324: "potential impact" and "potential contribution" are confusing. You may improve the manuscript using one of them.
23. L.337: explain what is the density distribution in the text instead of Figure 7.
24. L.353: I think higher potential contribution ratio from R1 than R3 may be due to higher traffic volumes (see L.308) at R1 if you use different traffic volumes (see my question 20).
25. L.409: Please write the conclusion from Section 3.3 (L.415-L.421) and then that from Section 3.2 according to the order in the text.
26. L. 702: Correct Table R4 to Table 4