- P1, L14: should this be simply  $\Phi_i$  instead of  $\Phi_{j_i}$ ?
- P2, L2: insert a comma after "consequence"
- P2, L8 and L14: replace "e.g.:" with "e.g., "
- P2, L9 and L25: remove "e.g." or place a comma after it (please do similar comma insertions after other instances of "e.g." in the remaining text; most grammar guides appear to require it)
- P2, L26: I would replace "handy" with "physical meaningful"
- P3, L26: "appears corroborated" -> "appears to be corroborated" or simple "is corroborated"
- P3, L27: insert a comma after "comparison"
- P4, L17: replace the colon after "done" by a period.
- P4. L30: insert a comma after "In fact"
- P4, L4 and elsewhere in the text: I was initially quite confused by your notation of  $\lambda_{0,l}$  and  $\lambda_{0,s}$  because I thought that subscript "l" (letter l) is actually "1" (number one). I would insert a note that stating that subscripts s, m, and l stand for short, medium, and long wavelength, respectively (I am guessing it is the case).
- P5, L1: I would be more explicit about what is meant by "its neglect". Perhaps replace it by "the neglect of the line structure"?
- P5, L9: "still has" -> "still have users"
- P5, L29: "we will fix" -> "we fixed"
- Eq (5): I would replace subscript "l" with "1" since there is only one term there.
- P7, L28: remove extra period.
- P8, L1: insert a comma after "Figure 3"
- P8, L23: remove extra period.
- P9. L3: insert a comma after "addition"
- P9, L4: "chemist" should be plural
- P10, L11: "That means: Only" -> "This means that only"
- P10, L12: you already used constant "c" for the coefficient of determination. Perhaps it is best to use "c" for the speed of light, and another letter for the coefficient of determination.
- P10, L18: you cannot claim these are "significant improvements" since one parametrization is compared to another one. It is better to call it a "significant change"

- P10, L22: replace the colon after " $\Phi_{tot}$ " by a period.
- P10, L27: "both, JPL and IUPAC (2006), treat" -> "both JPL and IUPAC (2006) treat" (remove two commas)
- P11, L9: replace the colon after "advantageous" by a period.
- P11, L18: insert subtitle "Acknowledgements" before this line