The requested changes are as follows:

**Page 10, caption of Figure 3:**

Please switch "sigma\_cs" to "p\_el"

**P. 11, Equation 25:**

Change "sigma\_cs" to "p\_el"

Explanation: "sigma\_cs" was an old version of a variable that clashed with the description of errors (sigma). Thus it has been changed for better readability to "p\_el". The fact that in there are still occurences of "sigma\_cs" is an error on our part. We simply overlooked some instances while correcting.

Moreover, "sigma\_cs" has no meaning anymore in the present version of the manuscript, thus it should be changed to "p\_el"

**P. 12, Equation 30:**

Change "sigma\_cs" to "p\_el"

Explanation: Same as TS11. "sigma\_cs" is a relict from an old version of the manuscript. The new variable is "p\_el".

**P. 14, l. 33:**

Change "lp" to non-bold upright "lpi" to match Eq. 31.

Explanation: In order to link the solution algorithm (i.e. Metropolis-Hastings) to the equations that were derived in chapter 3.1.5 it would make sense to talk about the same quantities. "lp" is supposed to indicate a log-PDF, i.e. the same mathematical object as in Eq. (31)

For better readability and understanding it would be preferable to put also here that version of "lpi"