In the following we use R2C1 (etc) to refer to comment 1 (C1) by reviewer 2 (R2).

Dr. S. Patidar

R2C9: Dear Author

Thanks for your reply. I appreciate your response and initiatives to improve the overall quality of the paper. You responded well to most of the comments. For Eq A24 In numerator within two summation sign I think you should have ((Ua(I)-P(t) - (Ua(I)-P(t)) - 0) instead of ((Ua(I)-P(t) - (Ua(I)-P(t)) - 0) to allow cancellation of term P(t). Please note that I did not included bars here due to the format of text allowed. Please clarify if I am misunderstanding you and please feel free to contact me or leave a comment if you need further clarification on any of my comments. I looking forward to reading the updated manuscript.

Response: Eq. A24 as submitted (cut and paste from the .pdf) is,

$$\operatorname{cov}\left(P_a(t),P_m(t)\right)=\frac{\sum_{l=1}^{q}\sum_{k=1}^{p}\left(\left(u_a(l)-\overline{P(t)}-\overline{u_a(l)-\overline{P(t)}}-0\right)\left(u_m(k)-\overline{u_m(k)}\right)\right)}{q\times p-1}$$
$$=\frac{\sum_{l=1}^{q}\sum_{k=1}^{p}\left(\left(u_a(l)-\overline{u_a(l)}\right)\left(u_m(k)-\overline{u_m(k)}\right)\right)}{q\times p-1} \quad \text{(A24)}$$

We are not sure but we think you are referring to the third and fourth terms inside the first bracket. The $\overline{P(t)}$ will cancel since $\overline{P(t)}$ equals $\overline{\overline{P(t)}}$. Maybe the best way to avoid confusion is to add brackets around the third and fourth terms like,

$$\operatorname{cov}\left(P_a(t),P_m(t)\right)=\frac{\sum_{l=1}^{q}\sum_{k=1}^{p}\left(\left(u_a(l)-\overline{P(t)}-\left(\overline{u_a(l)-\overline{P(t)}}\right)-0\right)\left(u_m(k)-\overline{u_m(k)}\right)\right)}{q\times p-1}$$
$$=\frac{\sum_{l=1}^{q}\sum_{k=1}^{p}\left(\left(u_a(l)-\overline{u_a(l)}\right)\left(u_m(k)-\overline{u_m(k)}\right)\right)}{q\times p-1} \quad \text{(A24)}$$

Let us know what you think.