
Re: egusphere-2026-615 (Investigating Information Transfer in CO2 Flux Inversions: An Analysis of Ensemble Kalman Filter Based on Monte Carlo Simulations).

Comment: Please add the following text (or other wording keeping a similar meaning) after the existing discussion of transport and boundary condition uncertainties.

Response: Thank you for this helpful suggestion. We added the requested text in Section 4 ([Lines 596–604](#)). We also made minor revisions to improve clarity, including removing the discussion of weekend smoothing in anthropogenic emissions because the high-temporal-resolution emission profiles used in this study already account for weekend effects ([Line 192](#)). In addition, three references were added to support the revised discussion.