

Author response

Review

The revised manuscript has addressed the substantive points raised in the review and is now suitable for publication. The remaining issues are minor and technical only.

- Appendix A is improved, but 'polynomial operator' would be better replaced by 'polynomial function' or 'forecast map', and 'order h ' by 'degree at most h '.

- In Table 1, "Ensemble matrix" is capitalized once but not elsewhere, "uncertainty subspace" is misspelled, and Q_i is described as the "covariance matrix of the parametrized uncertainty," whereas in the text, Eq. (31) defines it more specifically as the covariance matrix of an additive unbiased noise representing forecast uncertainty not already accounted for by the ensemble. Later, in the discussion of Eq. (32), it is referred to more succinctly as a "parametric uncertainty matrix". It may therefore be preferable to describe Q_i in Table 1 more precisely as something like "covariance matrix of additive forecast noise / parametric uncertainty".

We thank the reviewer for the suggested improvements that we have carefully implemented.