Dear Dr. Shapiro,

We are now in receipt of two reviews of your manuscript "Model-to-model data assimilation method for fine resolution ocean modelling." While both referees note that your method is a novel approach to down-scaling for ocean data assimilation, they both feel that the current manuscript has a number of shortcomings and will require major revision before it can be considered for publication.

Your paper will therefore require major revisions before the review process can continue. Both reviewers have provided a list of detailed and thoughtful comments. Please respond in detail to all the reviewer comments and concerns before preparing a revised manuscript.

Yours sincerely

Andrew Moore