

Interactive comment on “Toward the assimilation of images” by F.-X. Le Dimet et al.

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I am pleased that all three reviews are generally positive about this manuscript, and the requested revisions are not major.

- in regard to Review #1, since this journal is focused on geophysics, addressing data assimilation in medicine will be interesting but not essential for this review paper.
- Review #3, point 2) wondered if the authors were non-objective in claiming Kalman filters were not used in operational centers. In defense of the authors, I believe their claim is indeed true. Maybe the authors can give an order of magnitude estimate on the computing power needed to do data assimilation with a Kalman filter as compared to using variational assimilation for a typical operation model, which should demonstrate that the Kalman filter is far too expensive to be practical.

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- It seems Sects. 6.1.5 and 6.2 need to be made clearer, based on Reviews #3 and #2.

Interactive comment on Nonlin. Processes Geophys. Discuss., 1, 1381, 2014.

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