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Interactive comment on "Conditional simulation of surface rainfall fields using modified phase annealing" *by* Jieru Yan et al.

Anonymous Referee #3

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The manuscript introduces a very interesting and novel method for generation of rainfall fields conditioned on point and radar observations of rainfall. Although quite technical it is well written and clear in structure. I neither have any major comment nor any hesitation against publication. I have only three minor thoughts which the authors might contemplate.

1. The spatial asymmetry is difficult to understand. May be a graphical comparison between a spatial symmetric and asymmetric field can aid the reader.

2. For potential imitation and practical applications of the procedures it would be quite useful to know a bit more about the computing time needed for the different simulation sessions and stages, may be provided in an overview table.

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3. The application of the simulated field e.g. for hydrological modelling will become only important if also the temporal sequence of several time steps can be simulated. A brief discussion if this would feasible would be useful.

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