

Interactive comment on “Study on the effects of storm movement on rainfall-runoff modelling at the basin scale” by S. K. Sigarood and Q. Chen

Anonymous Referee #2

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This manuscript evaluated the effects of rainfall movement on overland simulation through modelling the rainfall-runoff under stationary condition and moving condition at the basin scale. It is a very interesting topic, which can be beneficial to flood peak forecasting. And it is suitable for being published in Hydrology and Earth System Sciences. Also, it is well-organized. Therefore, I recommend being accepted after several minor revisions be made.

Detailed comments:

1. Legends for the figures are required. Also, more explanation for these figures should be added. And the differences among different color lines should be given more explanation in Fig.10.
2. Fig. 4 is interesting, however, more explanation are required, such as how to get

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sub-figure d.

3. Line 142, what are the unique characteristics? Clarify please! In addition, the method for estimating the coefficients a, b, and c should be introduced.

4. The calibration and validation of HEC-HMS model should be described.

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