

Comments revised as marked in the tracked document.

Comments

This paper is now much clearer - just a few technical suggestions below, which I suggest would further enhance readability.

line 31 suggest '...model structure, and availability..'

line 43: perhaps state number of sub-basin (and state if shown in fig 1) for clarity

line 76: sub-gird -> sub-grid

line 107: suggest: 'The delay time, t_i , for each sub-catchment is given by dividing the distance from the sub-catchment to the outlet, d_i , by....'

line 111: 'is evaluated' -> 'are evaluated'

line 112: suggest: 'Following this sensitivity analysis, the full model is run with...'

line 117: would be slightly clearer if sum is shown from $t=0$ to N in eqns (4),(5) and (6), and suggest explicitly stating what N is - i.e. over what time period are these calculated? Also, in equation (6) a more usual definition for P_{bias} is e.g. . Is there a typo on the top line of (6) or is an alternative formulation used here?

line 126: suggest '..more water held in the soil..'

line 128: sentence starting 'We found that...' a little unclear

line 150: not sure what is meant by the sentence 'In terms of water balance....'

line 165: suggest to clarify '.... since the under/overestimated rainfall in a single site could be amplified'

line 173: spatial and/or temporal variation?

line 174: final sentence a little unclear