

Dear Editor Albert:

Thank you for your kind suggestion and detailed comments on our manuscript entitled “Simultaneous state-parameter estimation of rainfall-induced landslide displacement using data assimilation” (nhess-2019-24). We have carefully revised the manuscript according to the comments. All the revisions of the article are marked in red. We greatly appreciate your help concerning improvement of this manuscript.

Answers to comments:

1. So the manuscript most likely would benefit if you consider approaching an English support service to work on it as well.

Answers: Thank you for your advice. Because of the rush of time, we don't have enough time to approach an English support service this time. We will follow your advice next time.

2. The rain data provided in figure 5 is very similar to that provided in figure 7, only the time span might have changed. If so, please remove figure 5 and adjust the references to this figure in manuscript where needed.

Answers: Thank you for your detailed work. We have removed figure 5 and adjust the references in our manuscript.

We sincerely hope this manuscript will be finally accepted. Thanks again for your help.

With best wishes,

Yours sincerely,

Nie

The main changes in “nhess-2019-24-manuscript-version2.pdf (Date: 27 Apr 2019)”:

1. Fix some grammar problem
2. Add more reference in Page 1, Line 23 and Page 2, Line 2-3
3. Add the geology information of study area in Page 6, line 24-28
4. Explanation the fluctuation in Page 8, Line10-14
5. Add more acknowledgements in Page9, Line 24-25
6. Add the parts and rain gauges in Figure 3
7. Remove the Figure 5 in version1 and fix the related reference
8. Modified the time coordinates show in Figures 5, 6, 7 and 8
9. Change the results in Figure 7, 8 and Table 1, 2, 3
10. Add the time of algorithm in Table 3