2nd Review of "A coarse pixel scale ground "truth" dataset based on the global in situ site measurements to support validation and bias correction of satellite surface albedo products" by Fei Pan et al.

The new manuscript has been revised greatly. Authors should answer the following comments before the publication.

Major comments:
1. Lines 287-288: It's difficult to see "BSRN network generally exhibits higher accuracy and satisfies the precision benchmarks" in Figure 5. Please show more analysis (Figures or tables as you like) to support your point.
2. Lines 297-298: Authors highlighted that "It is worth noting that when the spatial heterogeneity exceeds 0.1, the model's stability fluctuates considerably, indicated by the larger height of the boxplots of RMSE and R2." However, the height of the boxplots of RMSE with spatial heterogeneity < 0.1 in Figure 6a is much larger than that of the other two obviously, while the outliers with spatial heterogeneity < 0.1 in both panels of Figure 6 are much more than those of the other two significantly. Therefore, how can the authors highlight the above result?
3. Figure 11: Please explain why the results (percentages) in Figure 11 is quite different in the revised manuscript than those in the previous manuscript (version 1)? In previous version, the RRMSEs are quite lower (around 30%) than those (around 100%) in the revised version.

Minor comments:
1. Section 2.2: the description of ETM+ data should be described in detail. I cannot find the resolution of the data here which should not be mentioned in section 3.2. Please modify.
2. Please check the caption of Figure 7. Duplicated [200-500].
3. The contents of functions are overlapping in the PDF version. Please double-check the typing of all functions.