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Natural Hazards and Earth System Sciences
Discussions

Interactive comment on "Understanding Spatiotemporal Development of Human Settlement in Hurricane-prone Areas on U.S. Atlantic and Gulf Coasts using Nighttime Remote Sensing" *by* Xiao Huang et al.

Anonymous Referee #2

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I would like to thatnk the authors for their reply. However, I still have some doubts concerning the use of "percentage of pixels with VANUI>0" instead of "sum of VANUI". The authors, in their reply, state that "we believe that this yearly statistic [percentage of pixels] illustrates the expansion of newly built area in different zones".

I respectfully disagree. This yearly statistic considers all impervious surfaces, and does not take into account if it's a newly built area. Also, how can you identify a newly expanded human settlement only looking at percentage? TO do this, you should consider the sum of VANUI. Therefore, I kindly ask the authors to check, for the entire study area,

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if the sum of VANUI confirms previous findings (namely, repeat exactly what you did with percentages).

I am totally fine with the trend analysis and the remaining replies.

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