



Interactive comment on “Multiresolution wavelet analysis applied to GRACE range rate residuals” by Saniya Behzadpour et al.

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We thank the reviewer for their constructive comments. We address the reviewer’s comments point by point in this letter, and corresponding changes will be made to improve the manuscript.

(1) 3-16: Please add the time period treated (month, year), here or later at page 6, line 22.

Reply: We have provided additional information on the treated time-span by adding “The analysis is carried out on the whole ITSG-Grace2016 time-span (April 2002 – June 2017). However, due to low data quality before 2004 and several data gaps and degraded quality of the measurements after 2016, these time periods are excluded

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from the illustrations.”

(2) 7-18: In Figure 11b, only a part of the time series is shown, not the complete GRACE timespan. Please modify.

Reply: We updated the manuscript accordingly.

(3) 8-13: Please specify over what time period the simulation was performed.

Reply: We followed the propositions of the reviewer and clarified this issue by adding “The simulation is carried out for the time period 2008-2009, when GRACE delivered high-quality measurements and comparison of the actual data with the output of the simulation is more relevant”.

(4) 9-17: the same magnitude and spatial pattern => comparable magnitude and spatial pattern

(5) 2-15: contributes => contributors

(6) 2-29: no reference to Fig. 1a

(7) 5-15: descriped => described

(8) 7-14: umbra shadow => umbra

(9) 10-3: were also identified => were identified

(10) 10-19: mainly are => are mainly

Reply to 4-10: We updated the manuscript accordingly.

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<https://doi.org/10.5194/gi-2018-50>, 2019.

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