Interactive comment on “Monitoring Groundwater Storage Depletion Using Gravity Recovery and Climate Experiment (GRACE) Data in the Semi-Arid Catchments” by Nizar Abou Zaki et al.

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Received and published: 28 January 2019

I read the paper by Abou Zaki et al. (‘Monitoring Groundwater Storage Depletion Using Gravity Recovery and Climate Experiment (GRACE) Data in the Semi-Arid Catchments’) with an interest. The authors try to apply (GRACE) data to determine water mass changes in a catchment located in the semi-arid part of Iran. Through this specific assessment, the authors claim that their approach is suitable for all semi-arid catchments, which I cannot approve their claim based on the current investigation. For this, and many technical issues, I recommend a reject outright decision. Major comments: Title: in the Semi-Arid Catchments –> the study only considers one catchment in a particular region. How come does the title claim it plural!? The introduction is too short and ignore even the GRACE related studies of the region.


The values that are reported as the decline of groundwater do not match?