

AC: We thank the Community Comments#2 for taking time to review this manuscript. Your insightful remarks have helped us to identify parts in the manuscript which needed clarification and certainly allowed us to improve the quality of this paper.

Reviewer#2

The contribution changes from figure 10 to 11 is interesting! Can you clarify that if you also add trend/rate term for GRACE KBR and LRI?

AC: Thank you for your insightful comments. During our gravity field gravity field determination, our trend/oscillation parameters are estimated along with the static parameters. However, our gravity field's reference epoch is set to a specific epoch, in other words, the trend/oscillation can't be solved for a single observation period. For instance, if the reference epoch is set during the GRACE-FO operating period and we can't obtain a meaningful trend parameters solution during the GRACE operating period. Our trend/oscillation parameters are estimated along with the whole operating period including GRACE and GRACE-FO. In order to calculate the contribution matrix of trend/oscillation parameters for GRACE-FO operating period, we subtract the normal equation for trend/oscillation parameters from the final normal equation. It should keep in mind that we can't obtain the meaningful trend/oscillation solution for GRACE-FO but the contribution matrix.