

I would like to thank the authors for their extensive work to address my comments (I was reviewer 1 during the first round of review). All my major concerns have been addressed. I find the manuscript much more convincing now, and I think it is better presented as well. It is nice work, and I'd like to see it published. I have only minor comments on the new version (line numbers refer to the track-changes pdf).

We thank the reviewer for taking the time to carefully read the revised manuscript and for the positive and constructive feedback throughout the review process. We agree with all remaining minor comments. The main changes made in this revision include: (1) clarifying early in the Methods section how the GNSS data are integrated into the analysis, and (2) explicitly addressing the non-uniqueness of our model solutions in the Conclusion.

(line numbers in our responses refer to the manuscript.pdf)

Section 3 (L160-175): Foreshadowing the role of the GNSS in the analysis would help the reader

Agreed. We now clarify that the GNSS data are used to validate both the homogeneous and heterogeneous model experiments. We find that incorporating any alpha-map significantly improves the fit between observed and modeled displacements. However, the GPS sites themselves are not particularly sensitive to the specific modeling choices, which motivates a broader evaluation across the entire tidal-flexure zone. Finally, we note that the GPS records are also used to estimate the timing of tidal oscillations at the two sites to assess the validity of the elastic approximation.

Fig 2: It would be nice to have a value on the bottom of the colorbar

Agreed. The colorbar starts from 1 m/yr. Added this value to Fig. 2b.

L427: No comma after means, add comma after choices

Agreed and changed accordingly in L414-415.

L437: percentage of

Agreed and added 'of' to L425

L614: The homogenous model with $E=1.0$ should be mentioned as an alternative, equally valid explanation

Agreed and added a sentence to L563-566 about the two scenarios.