

## ***Interactive comment on “Geodynamic diagnostics, scientific visualisation and StagLab 3.0” by Fabio Crameri***

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Received and published: 26 April 2018

2-D slicing through 3-D spherical models is unfortunately not supported in the current version of StagLab, as this involves, in contrast to Cartesian models, computationally heavy interpolation of all grid data onto a new plane. I have clarified this in Table 2 and the text.

I will add a basic StagLab user guide to the online supplement.

I replaced the figure of the stagnant-lid model with a figure of a mobile-lid model that features both active up- and downwellings.

Figure 6: The former ridge (see timestep 5) is disappearing around timestep 6, where the ridge divergence velocity has already become lower than the detection threshold.

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I added that red crosses explain slab-tip depth in the caption of Figure 7.

I included all other minor suggestions.

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Interactive comment on Geosci. Model Dev. Discuss., <https://doi.org/10.5194/gmd-2017-328>, 2018.