



Interactive  
Comment

## ***Interactive comment on “Constraining fault interpretation through tomographic velocity gradients: application to Northern Cascadia” by K. Ramachandran***

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1. I have not implemented a gradient tomography method. I have done gradient analysis on the tomographic velocity model constructed using regularized travel-time tomography. 2. A discussion on the applicability of gradient analysis on tomographic velocity models will be included in the revised manuscript. 3. Resolution is dependent on the size of velocity model nodes. Sensitivity is not an issue as we are using simple gradient filters for computing the vertical and horizontal gradient using adjacent model node values.

Interactive comment on Solid Earth Discuss., 3, 839, 2011.

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