

- 1) kriging of crustal parameters: did you observe any anisotropy in the variograms estimated along the vertical direction and along the horizontal axis?
 - 2) how did you choose the width of the gaussian filter applied to the Moho interface?
 - 3) It could be interesting to analyze how your model is different from European scale models (e.g. EPCrust).
 - 4) Petrinja earthquake:
 - a) which hypocenter did you used? You did not report the reference in the text.
 - b) Fig 9 shows that the use of the 3D model removed the dependency of the residuals on the distance and greatly reduced the residual dispersion; on the other side the mean residual (for Pg and also Pn) is about -0.5s: why did you not re-localize the event with the new velocity model?
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- lines 255-266: not clear
 - line 330: “we specified a relatively large area between 10° and 20° east longitude” -> from the maps (fig 3, ...) it seems that the interpolated area reaches 20.5° E longitude
 - lines 798-799: Handy 2010 is in the References but not cited in the text
 - lines 813-815: Kennet et al 1995 is in the References but not cited
 - lines 816-818: Korbar 2009 is in the References but not cited
 - lines 886-888: Tari 1998 is in the References but not cited