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Earth Surface Dynamics
Discussions

Interactive comment on "A geomorphology based approach for digital elevation model fusion – case study in Danang City, Vietnam" *by* T. A. Tran et al.

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on behalf of all Co-Authors

We would like to thank all the reviewers for their constructive comments and very useful suggestions to improve the quality of our manuscript. All clarifications sought by the reviewers have been provided and the manuscript has been suitably modified in light of the reviewer's comments and suggestions. Apart from correction in the text, following corrections/additions have been made in Figures and Tables. a) Fig.10 and Fig.11: The landform classes name has been changed. Instead of Steep slope (include Ridge line and Steep slope), Mountain slope (include Ridge line and Steep slope) was used. b) Fig.16: Slope error maps was replaced by the slope, profile curvature and tangential curvature maps of Fused DEM. c) Fig.17 was added to explain about Normal vector

and the angular difference of normal vectors of topographic surfaces. d) Table 5 was added in order to explain weighting scheme used. e) Table 6: General statistics for the error of GDEM, SRTM and fused DEM, include Min, Max, MAE and RMSE. Fused DEM before and after denoising were also compared. f) Table 7, 8 were made to describe the result of Fused DEM assessment in terrain related parameters such as: slope, curvature, topographic roughness index and angular difference of normal vectors. Detailed reply to each reviewers comment and uploaded as separate responses to their comments. The corrected manuscript has also been uploaded and we hope that it will be acceptable for publication in the "Earth Surface Dynamics".

Best regards

Venka

Please also note the supplement to this comment:
http://www.earth-surf-dynam-discuss.net/2/C147/2014/esurfd-2-C147-2014-supplement.pdf

Interactive comment on Earth Surf. Dynam. Discuss., 2, 255, 2014.