

***Interactive comment on “Use of ENVISAT ASAR
Global Monitoring Mode to complement optical
data in the mapping of rapid broad-scale flooding
in Pakistan” by D. O’Grady et al.***

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Received and published: 24 August 2011

I would like to thank both reviewers and the authors for the good comments and discussion. I recommend that the authors carefully revise the paper, addressing all major comments of the reviewers. When submitted to HESS again it will go through a second round of reviews.

Some specific notes for the revision:

- 1) Please expand your arguments on the usefulness of the coarse resolution ASAR Global Monitoring (GM) mode data. I fully agree with the view of the authors that
- C3618

the remote sensing community has in the past too much focuses on high-resolution images, neglecting to a large extent the possibilities offer by more frequent but coarser resolution SAR images.

- 2) As suggested by Patrick Matgen I recommend that the authors investigate the effect of using a reference image in the classification procedure in some test cases.

- 3) Instead of removing paragraph 5.1, I recommend expanding this discussion (but maybe place it in a different part of the paper). It is important for the HESS community to know how the derived remote sensing product can be used for hydrological and hydraulic modelling (please use this distinction as suggested by Patrick Matgen).

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 5769, 2011.