

***Interactive comment on “Technical Note: How
image processing facilitates the Rising Bubble
Technique for discharge measurement” by
K. P. Hilgersom and W. M. J. Luxemburg***

M. Weiler (Editor)

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The two reviewers were generally in favor of the ms, but there is certainly a bit more work to do before the ms can be accepted in HESS. In particular reviewer #1 raised a couple of important points which most of them should be addressed. Looking at your response to these reviewer comments, I would suggest that you may better show the potential of the method when for example using your observations: "in the case of the measurements in the lock (Zoutkamp), we produced a time series over several hours for varying discharge (which one would for example do to derive a rating curve). "

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You could use these measurements and generate a rating curve using the bubble techniques and compare this to the standard rating curve at this location. This would certainly strengthen the paper and show better the potential of the approach.

I am recommending major revision with additional reviews after the revisions.

Best regards

Markus Weiler

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., 8, 8499, 2011.