

Response to Editor for HESS Discussion Article

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Sulistioadi, et al., 2014

Satellite Radar Altimetry for Monitoring Small River and Lakes in Indonesia

1. General Comments

The authors appreciate the editor's corrections on the revised version of the article. In the following section, each corrections/comments/questions are addressed. The manuscript has been revised according to list below.

2. Questions, Comments and Suggestions

Page	Line	Issues	Solutions in the revised version
4	4	While medium rivers are defined as those with	Fixed
	9	challenge	Fixed
	12	a number of researchers	Fixed
	14	develop a global	Fixed
	15	accounts	Fixed
	20	as well as recent ones	Fixed
	24	repeats	Fixed
	24	repeat period for	Fixed
	28	of the returned	Fixed
5	4	belong	Fixed
	8	power spectra?	e.g. as represented by a power spectra
	16	by adding a	Fixed
	19	Introduced the Sea Ice	Fixed
6	3	procedures	Fixed
	5	Missing period after interest	Fixed
7	2	form	Fixed
	2	Fifth hundreds kilometers	form up starting from about fifth hundred kilometers downstream from the headwater
	5-6	Rephrasing the sentence, especially the one starts with agricultural farm	The sentence has been split into two
8	9-10	needs rephrasing. 'are then averaged'? 'into 18'	Re-phrased into: "...calculates the average of approximately 100 measurements" ... "... are averaged"
9	9	of the remote sensing imagery	Fixed

Page	Line	Issues	Solutions in the revised version
	14	'Previous work' or 'A previous study'	Replaced with "previous work"
	16	'hypothesis'	Fixed
10	6	by other surfaces	Fixed
	19	further processing	
11	19	'sample' may be a better word than 'measurement'	Fixed
16	19	of monitoring	Fixed
	21-24	needs rephrasing. Separate into two sentences? Or delete from 'further highlights'	The sentence has split into two separated sentences.
17	1	needs rephrasing. 'In contrast to what previously found'	Fixed
	5	RMSE used earlier. The sentence needs also rephrasing. Remove the i.e. portion or put in (), and the average of what quantity?	Re-phrased into: "The RMSE of satellite altimetry measurement of Lake Matano and Lake Towuti (0.21 m for both locations) falls within the range of RMSE of small lakes observed by satellite altimetry throughout the world (e.g. between 0.03 to 0.50 m)"
	7	'water body' the line also needs rephrasing. 'is the smallest water body analyzed from satellite altimetry'?	Fixed
	9	'encountered in our analysis' 'selection of a range of measurements' 'its waveform shape' refers to? Unclear from the sentence	Rephrased into: "Considering the results of this study, we recommend the following: (1) in addition to the use of standard retrackerers, we propose the selection of altimetry measurements based on the waveform shape to filter out returned radar signals contaminated by non-water surface. We recommend the selection to strictly follow the standard waveform shape for inland water body"