

Interactive comment on “Assimilation of satellite data to optimize large scale hydrological model parameters: a case study for the SWOT mission” by V. Pedinotti et al.

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Page 4480, line 16, the reference (Papa et al., 2012). There is confusion in the year of publication. In the reference list, page 4508, lines 18-20, the year indicated is 2010. Please correct to year 2010.

Corrected in the text.

* ECMWF page 4481, line 12 appears for the first time in the text. So abbreviation has to be defined.

Added in the text.

C2320

* Page 4482, line 4, replace "he" by "they". Same page line 12, "qmodeling". I think q has to be deleted. Same page line 22, the sentence: "The domain study area...." "Make it two sentences, and avoid too many use of the word "which".

Corrected in the text.

* Page 4483, line 9. The sentence "The confined aquifer improves the recession law ..." What is the recession law? Not clear.

The recession law is the function describing the curve of the decreasing flow during the dry season. This was precised in the text.

* Page 4484, line 20, "the Basin has" Change "Capital B to small b".

Corrected in the text.

* Page 4489, line 11, sentence "First, a realistic modeling of the studied basin in needed ..." Replace "in "by "is".

Corrected in the text.

* Page 449, line 3, sentence "...the satellite starts its first orbit on 1 January 2002)". Change "starts to "started".

Corrected in the text.

* Page 4503, line 18, the word "scenarii" before the sentence hat starts by "Thus, the estimation of". It is not clear what it means.

Corrected in the text.

* Page 4520, Fig.8. The legend is not clear for the 1 day and 3 day subcycles. It says "straight line" for the 1 day subcycle and "dashed line" for the 3 day subcycle. But there are no dashed or straight lines, but colored liCones. Provide also title for the vertical axis.

Corrected in the text.

C2321

* Page 4530, Fig.18. Provide title for the axes.

Corrected.

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C2322