

Interactive comment on “Spatial and temporal evaluation of erosion with RUSLE: a case study in an olive orchard microcatchment in Spain” by E. V. Taguas et al.

Anonymous Referee #3

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The evaluation of the RUSLE model is an interesting topic especially in Mediterranean conditions where hydrological processes are characterized by high variability in space and time.

In the evaluation of the paper I avoided to repeat the comments of the Anonymous Referee #1 and #2 when the authors' answers were complete in my opinion. Few other comments remain.

Specific comments:

Paragraph 2.2.2 line 25: “When the water level rises to a determined level, the automatic sampler (ISCO 3700C) turns on and fills a bottle at 10 min intervals.” Which is

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the level? How long is the sampled time? Moreover, did you use the sediment concentration data to evaluate the RUSLE estimates at least for the period April 2005 - April 2007?

Paragraph 2.4 line 4: “ $EI = a \cdot Pb$ where EI is the daily erosivity ($MJmmha^{-1} h^{-1}$)” this type of equation was already introduced in the paragraph 2.3.2 line 15; I think it should be explained here.

Technical corrections:

Paragraph 2.3 line 13: a space between “A” and “is” is missing.

Paragraph 2.3.1 line 19: It should be 3 instead of 2 and 4 instead of 3.

Caption of table 2: I would write “(period 2004-2005)” just one time.

Interactive comment on Solid Earth Discuss., 2, 275, 2010.