Lines 64-67: The authors present the different designations of shear stress existing in the literature. Also they state that Prokrajac et al. (2006) present different definitions of shear velocity. Finally in lines 189-193 the authors present their definition. I it pertinent to analyse how this definition relates with the others from the literature?

Line 98: "This paper is structured as follows." Should not be a period but ":".

Line 127: What justifies the smaller velocities for Ol-4?

Line 155: Geek letters to Greek letters

Line 208: Why is the Dey and Lamber (2005) equation omitted?

Line 285: Equation 18 is valid for rectangular channels. Does it constitutes a good approximation for the case of a trapezoidal channel?

Section 3.3.4. An analysis to the relative order of magnitude could have been presented in order to identify which are the terms that contribute more for the uncertainty.

Figure 6: Ol-4 ranges up to almost 10000 s. But in Figure 3 it ranges to 8000 s. Although the datasets refer to different experimental conditions, they should be uniform whenever possible.

Figure 7: Why are the dependent variables plotted in the horizontal axis? If these plots represent discrete values the red and black lines should be discrete as well.

Figure 9: There are error bars missing for Ol-2 and Ol-3.

Figure 10. Similarly to Figure 9, the error bars should be plotted. Also Ol-4 horizontal axis goes up to almost 10000.