

Interactive comment on “Particle size distributions by laser diffraction – Part 1: Sensitivity of granular matter strength to analytical operating procedures” by F. Storti and F. Balsamo

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We are happy to see that the reviewer appreciated our work and we are grateful to him for his advice and the annotated manuscript he provided. This will help us to further improve the manuscript.

Issue 1: - We agree that moving fig. 24 at the beginning of the manuscript and adding an explanatory table will help the reader to "digest a heavy paper". We will do this.

Issue 2: - OK, we will add some other example in the discussion.

Issue 3: - OK, we agree and we will add a point in the discussion. Of course, many

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many dispersants could be used, and many more materials could be tested. The scope of the paper is to provide a warning message and a workflow supported by a robust dataset. We think we achieved our purpose.

Issue 4: - OK, we will use ethyl alcohol in the text. In the discussion, we proposed that the different effects between alcohol and water are associated with the different capacity to wet the sample. It is a feature linked to surface tension. We can add dispersant liquid polarization as well.

Issue 5: - OK, we will make this change in the text.

Issue 6: - OK, fine.

Interactive comment on Solid Earth Discuss., 1, 93, 2009.

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