

**Laboratory measurements of initial launch velocities of electrostatically lofted dust on airless planetary bodies**

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This file describes the format of the datasets for the plots shown in Fig. 3. All the data files are in an ASCII format.

**Data Set S1.** Initial launch velocity as a function of the dust radius for lunar simulant. (Fig. 3a)

Filename: ds01.dat

Format: Column 1 – dust radius ( $\mu\text{m}$ ); Column 2 – launch velocity (m/s)

**Data Set S2.** Initial launch velocity as a function of the dust radius for silica microspheres. (Fig. 3a)

Filename: ds02.dat

Format: Column 1 – dust radius ( $\mu\text{m}$ ); Column 2 – launch velocity (m/s)

**Data Set S3.** Launch angles with respect to the surface. (Fig. 3b)

Filename: ds03.dat

Format: List of launch angles