

# Data on the Torrent de Saint Pierre at the "Pré de madame Carle", French Alps

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The data here released correspond to the ones described and used in the following publication :

Meunier, P., Métivier, F., Lajeunesse, E., and Mériaux, A. (2006). Flow pattern and sediment transport in a braided river: The "torrent de St Pierre" (French Alps). *J. Hydrol.*, 330, 496–505.

They consist in about 200 coupled measurements of velocity profiles and bedload acquired during the summer 2002 on a proglacial braided stream in the french Alps. velocity profiles were levelled using mechanical OTT propellers. Bedload was measured using a hand-held 6" Helley-Smith sampler. Description of the site morphology, details on the acquisition procedure and analysis of the dataset are given in the paper. The following table describes the structure of the text file containing the data.

For any other information or questions please do not hesitate to contact me : metivier@ipgp.jussieu.fr

0.225	1.23782666667	0.278511	0.137	1	1	11	2002	7	15
0.3	1.326185	0.3978555	0.0648888888889	2	1	11	2002	7	15
0.2	0.692512083333	0.138502416667	0.0264444444444	3	1	11	2002	7	15
0.2	0.851007083333	0.170201416667	0.0963333333333	4	1	11	2002	7	15
0.3	1.30269138889	0.390807416667	0.0268888888889	5	1	11	2002	7	15
0.375	1.415884	0.5309565	0.407777777778	6	1	11	2002	7	15

Table 1: Sample data from the file stp\_2002.txt. values are in order : water depth ( $m$ ), average flow velocity ( $m/s$ ), discharge per unit width ( $m^2/s$ ), bedload transport rate ( $kg/m/s$ ), position along the section ( $m$  from the starting bank), starting bank (1:left, -1:right), section length ( $m$ ), year of measurement, month of measurement, day of measurement. Files can directly be used in Octave or Matlab using the "load" command.