

## SSIMS: Preprocessing tool for UAV image velocimetry

### Example 1

<b>Description</b>	UAV video acquired in December 2021 at a small river in Serbia
<b>Download links</b>	<a href="https://doi.org/10.5281/zenodo.5933956">https://doi.org/10.5281/zenodo.5933956</a> <a href="https://zenodo.org/record/5933956#.YfhbqbmKCo">https://zenodo.org/record/5933956#.YfhbqbmKCo</a>
<b>UAV</b>	DJI Mini 2
<b>Camera</b>	On-board DJI camera, nadir (90deg) position
<b>Video</b>	45 seconds, 4K (3840x2160) at 29.97 fps
<b>Static features</b>	4 large (L1..L4) and 2 small (S1, S2) chequerboard GCPs
<b>Amount of camera motion</b>	Very little motion until 00:35 when it pans downward

Local real-world coordinates of centers of large GCPs (see figure below):

	X [m]	Y [m]
<b>L1</b>	0	0
<b>L2</b>	8.836	0
<b>L3</b>	-1.305	8.138
<b>L4</b>	11.521	8.210

