

SSIMS: Preprocessing tool for UAV image velocimetry

Example 1

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

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

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

