Agisoft PhotoScan

Processing Report

19 February 2014

Survey Data

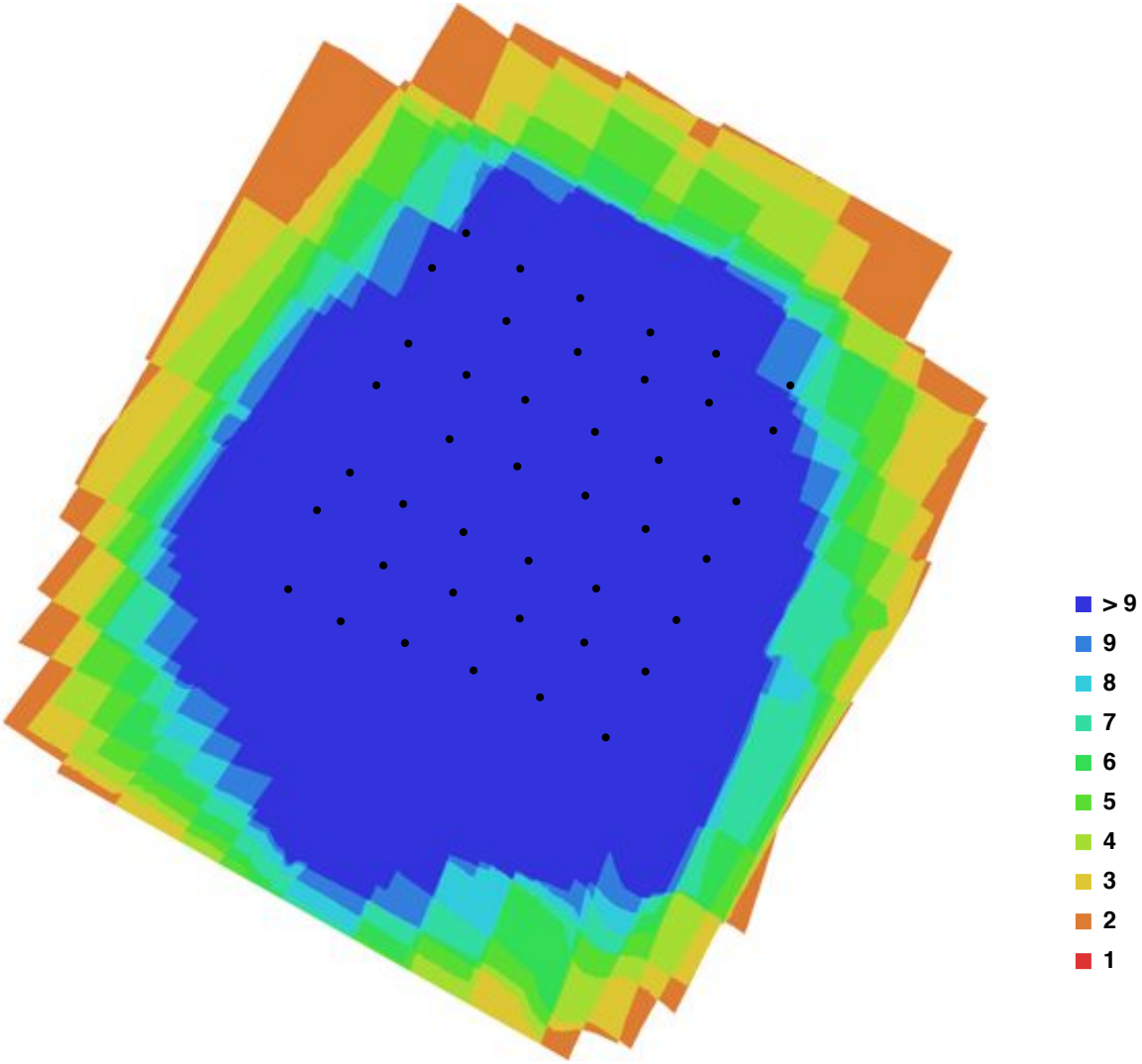


Fig. 1. Camera locations and image overlap.

Number of images:	42	Camera stations:	42
Flying altitude:	78.7016 m	Tie-points:	167328
Ground resolution:	0.0150074 m/pix	Projections:	661085
Coverage area:	0.0104224 sq km	Error:	0.710555 pix

Camera Model	Resolution	Focal Length	Pixel Size	Precalibrated
Canon PowerShot S100 (5.2 mm)	4000 x 3000	5.2 mm	1.86161 x 1.86161 um	No

Table. 1. Cameras.

Ground Control Points

Fig. 2. GCP locations.

Label	X error (m)	Y error (m)	Z error (m)	Error (m)	Projections	Error (pix)
1	-0.001203	-0.007701	0.001543	0.007946	17	0.766275
2	-0.011385	-0.001358	-0.005121	0.012557	30	0.358321
3	-0.008002	0.001599	-0.003235	0.008778	25	0.358549
4	0.009992	0.011911	0.010295	0.018647	13	0.352814
5	-0.008755	-0.000558	-0.018997	0.020925	5	0.312013
6	0.019707	-0.003140	0.015014	0.024973	8	0.512038
Total	**0.011254**	**0.005997**	**0.011041**	**0.016868**	**98**	**0.465660**

Table. 2. Control points.

Digital Elevation Model

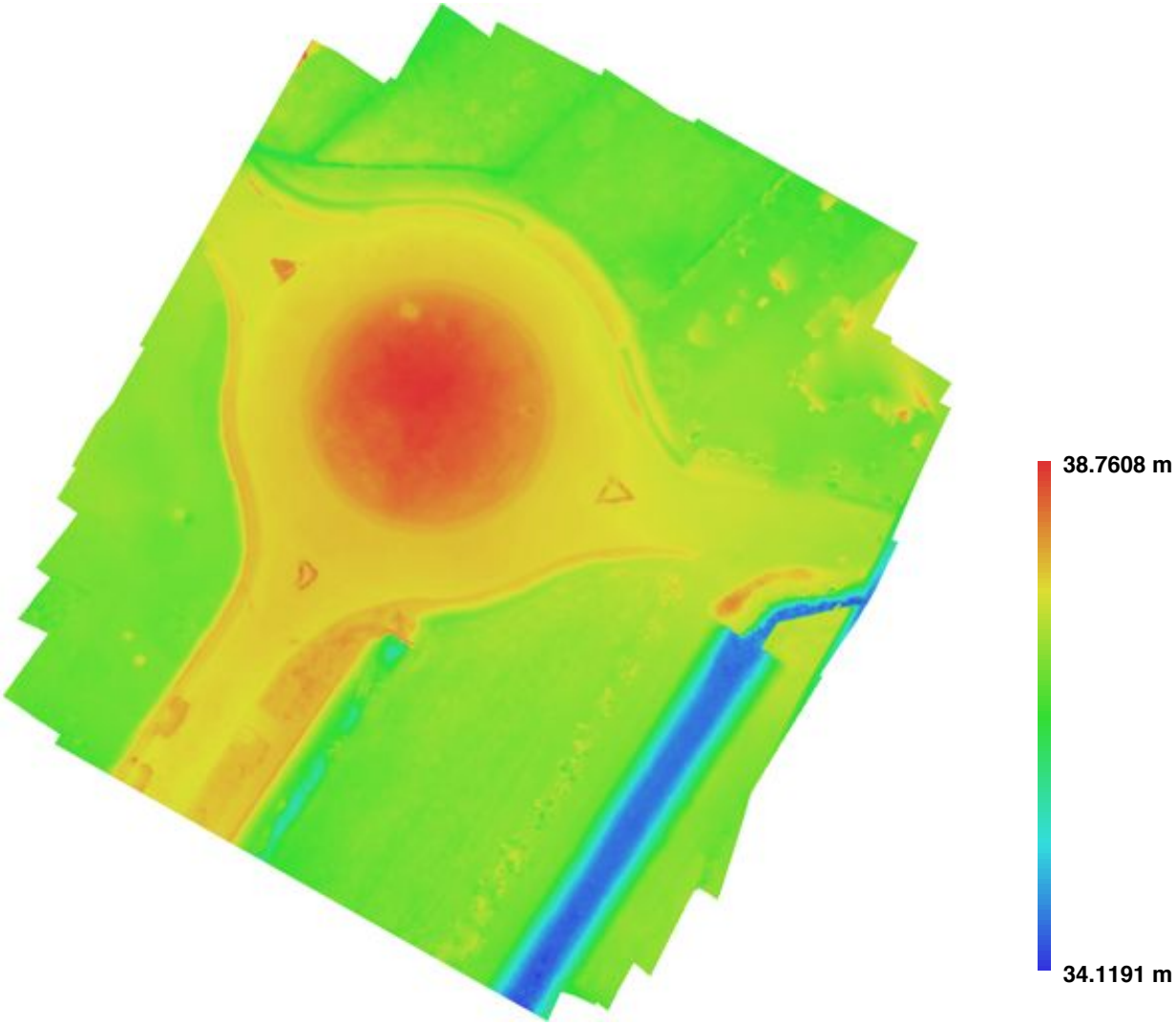
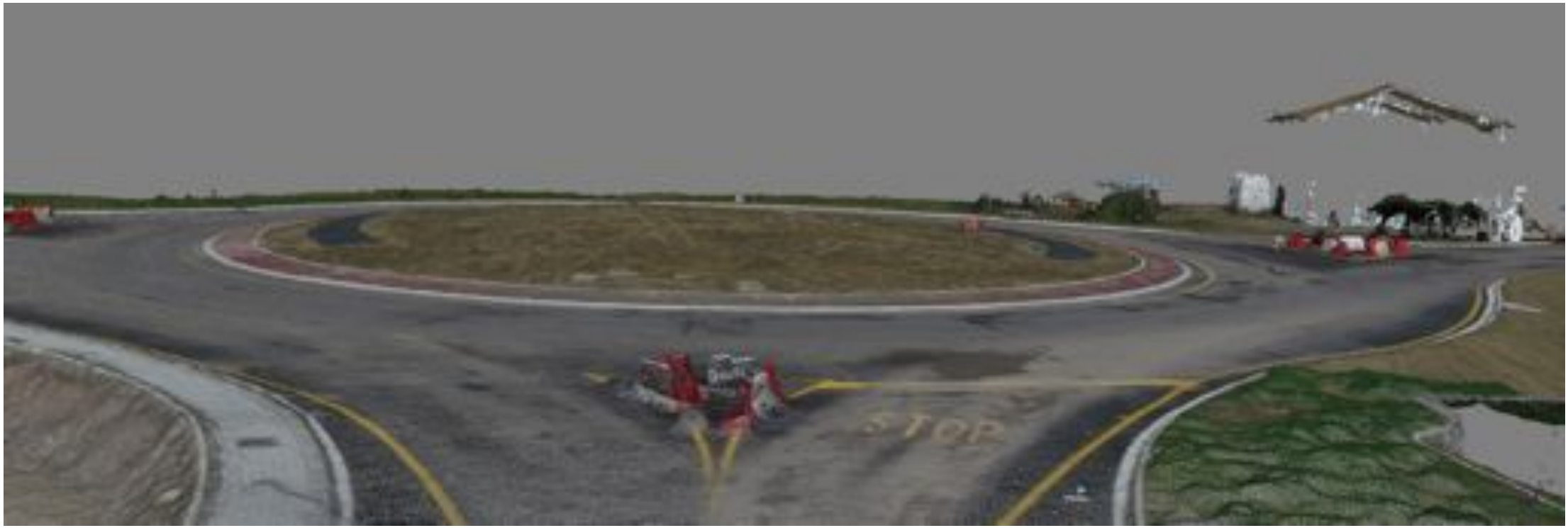
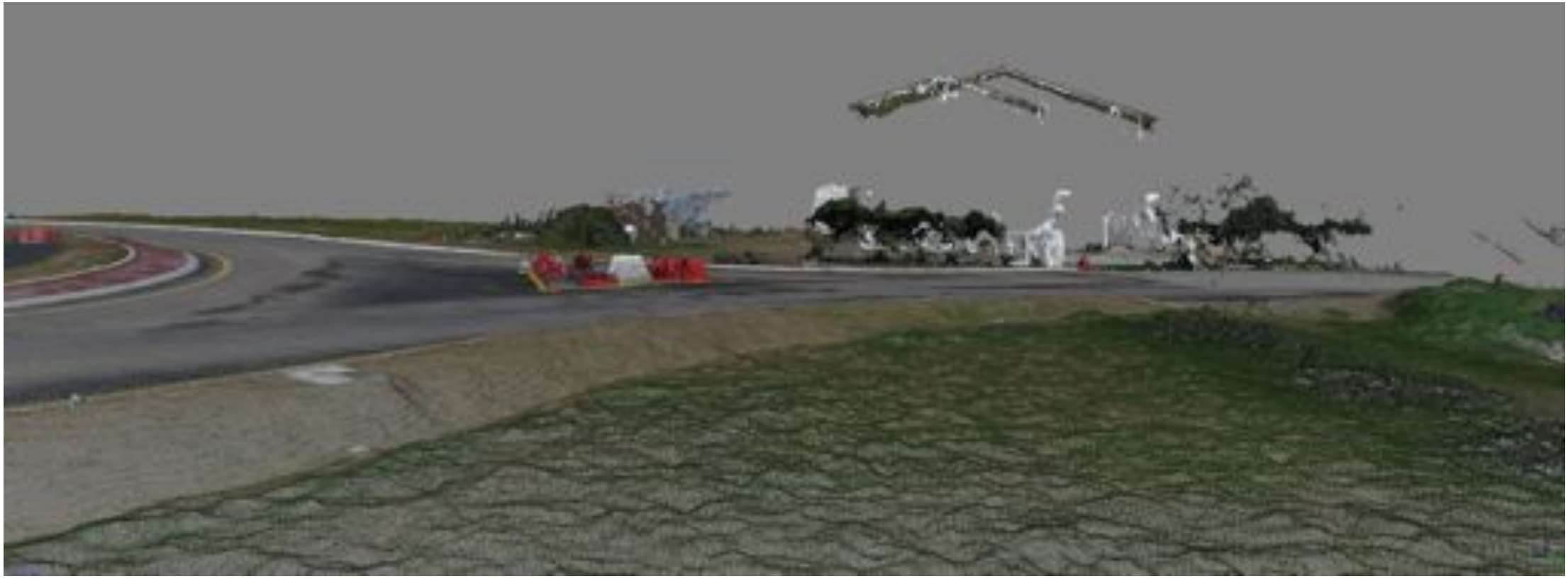


Fig. 3. Reconstructed digital elevation model.

Resolution:	0.0600296 m/pix
Point density:	2769.91 points per sq m


STOP