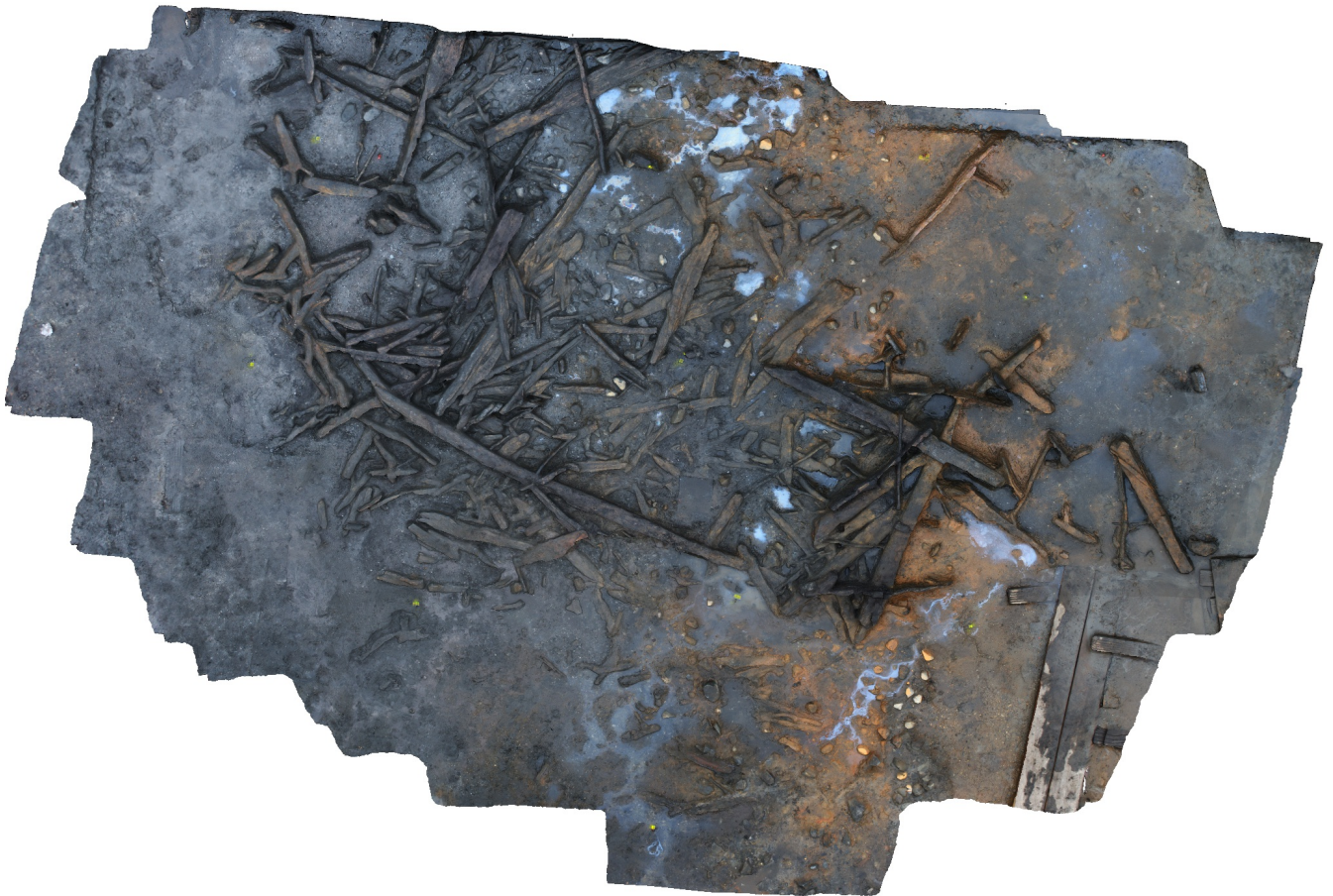


Agisoft PhotoScan

Processing Report

16 April 2018



Survey Data

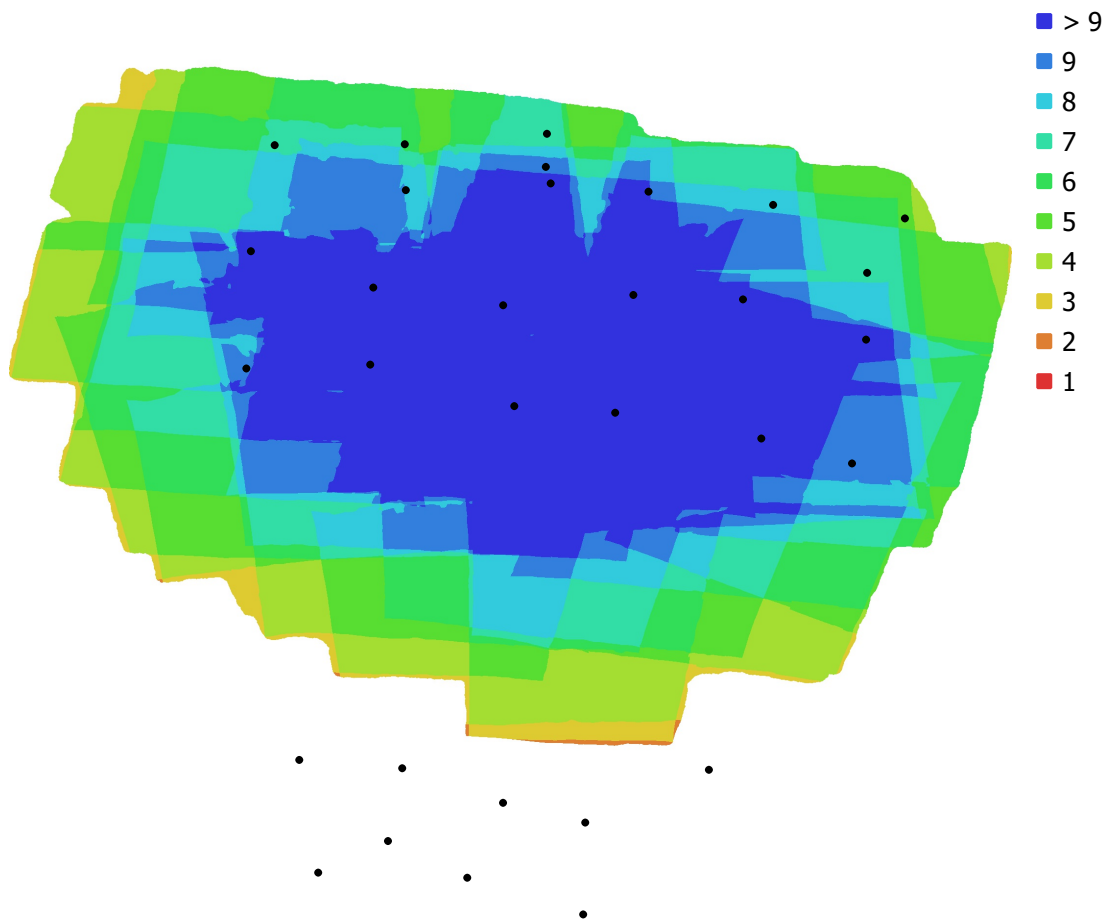


Fig. 1. Camera locations and image overlap.

Number of images: 82

Camera stations: 31

Tie points: 136,240

Projections: 352,537

Reprojection error: 0.635 pix

Camera Model	Resolution	Focal Length	Pixel Size	Precalibrated
unknown	3971 x 2661	unknown	unknown	No
unknown	3925 x 2630	unknown	unknown	No

Table 1. Cameras.

Camera Calibration

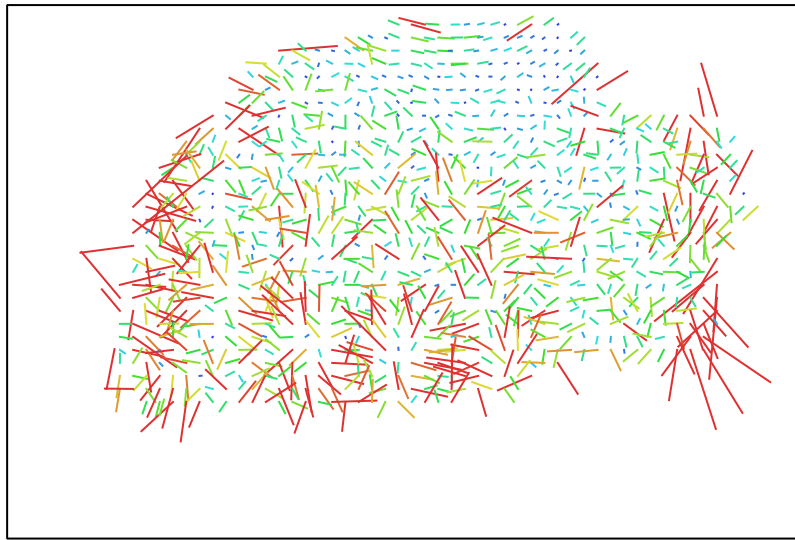


Fig. 2. Image residuals for unknown.

unknown

5 images

Type	Resolution	Focal Length	Pixel Size
Frame	3971 x 2661	unknown	unknown
F:	2960.98		
Cx:	-1.57773	B1:	0
Cy:	-1.75944	B2:	0
K1:	0.00710708	P1:	0
K2:	-0.0230201	P2:	0
K3:	0.0335215	P3:	0
K4:	0	P4:	0

Camera Calibration

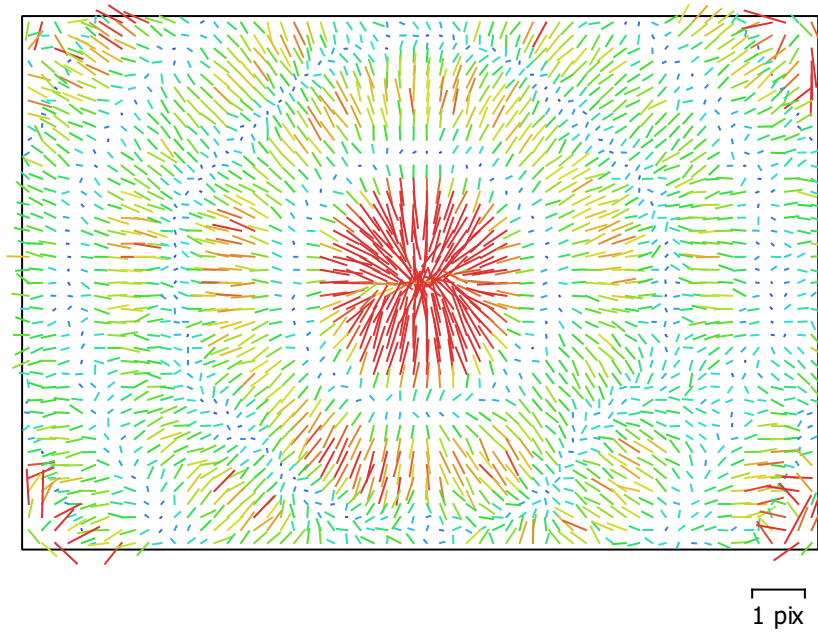


Fig. 3. Image residuals for unknown.

unknown

33 images

Type	Resolution	Focal Length	Pixel Size
Frame	3925 x 2630	unknown	unknown
F:	4096.54		
Cx:	-1.60117	B1:	0
Cy:	6.94883	B2:	0
K1:	-0.39274	P1:	0
K2:	2.26495	P2:	0
K3:	-4.03152	P3:	0
K4:	0	P4:	0

Digital Elevation Model

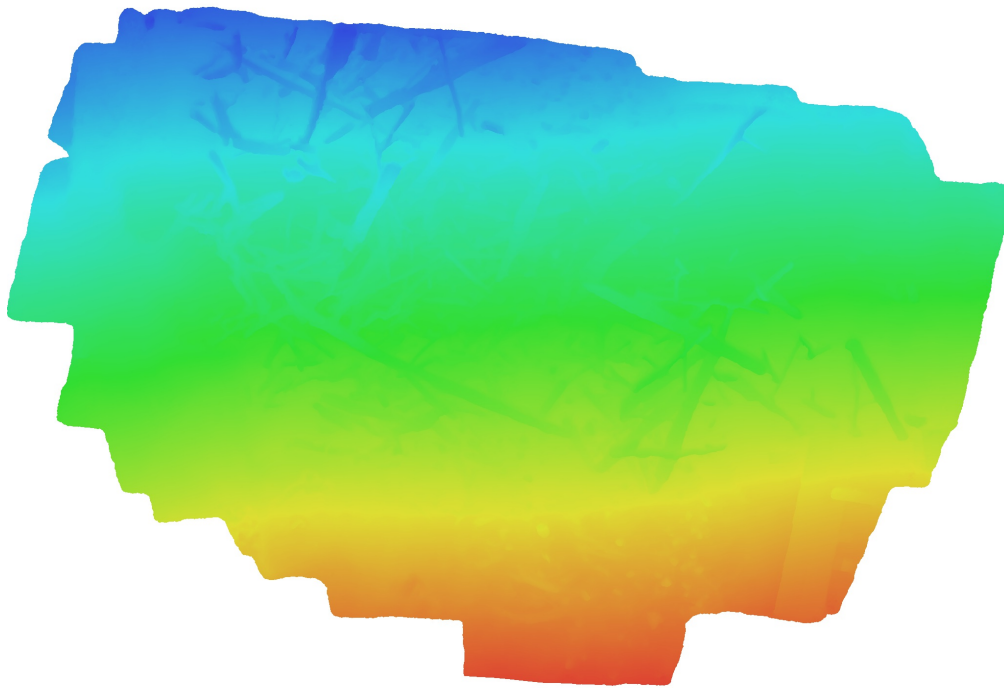


Fig. 4. Reconstructed digital elevation model.

Processing Parameters

General

Cameras	82
Aligned cameras	31
Coordinate system	Local Coordinates (m)
Rotation angles	Yaw, Pitch, Roll

Point Cloud

Points	136,240 of 187,640
Point colors	3 bands, uint8
Reprojection error	0.634754 (1.47278 max)
Effective overlap	2.95215

Alignment parameters

Accuracy	High
Generic preselection	Yes
Reference preselection	No
Key point limit	40,000
Filter points by mask	Yes
Matching time	1 minutes 58 seconds
Alignment time	30 seconds

Depth Maps

Count	31
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Reconstruction parameters

Quality	High
Filtering mode	Moderate
Processing time	15 minutes 33 seconds

Dense Point Cloud

Points	14,366,689
Point colors	3 bands, uint8

Reconstruction parameters

Quality	High
Depth filtering	Moderate
Dense cloud generation time	1 minutes 23 seconds

Model

Faces	100,000
Vertices	51,124
Vertex colors	3 bands, uint8
Texture	4,096 x 4,096, 4 bands, uint8

Reconstruction parameters

Surface type	Arbitrary
Source data	Dense
Interpolation	Enabled
Quality	High
Depth filtering	Moderate
Face count	0
Processing time	17 minutes 41 seconds

Texturing parameters

Mapping mode	Generic
Blending mode	Mosaic
Texture size	4,096 x 4,096
Enable hole filling	Yes
Enable ghosting filter	No
UV mapping time	31 seconds
Blending time	43 seconds

Software

Version	1.4.1 build 5925
Platform	Windows 64