# Agisoft Metashape

**Processing Report**
**19 February 2026**

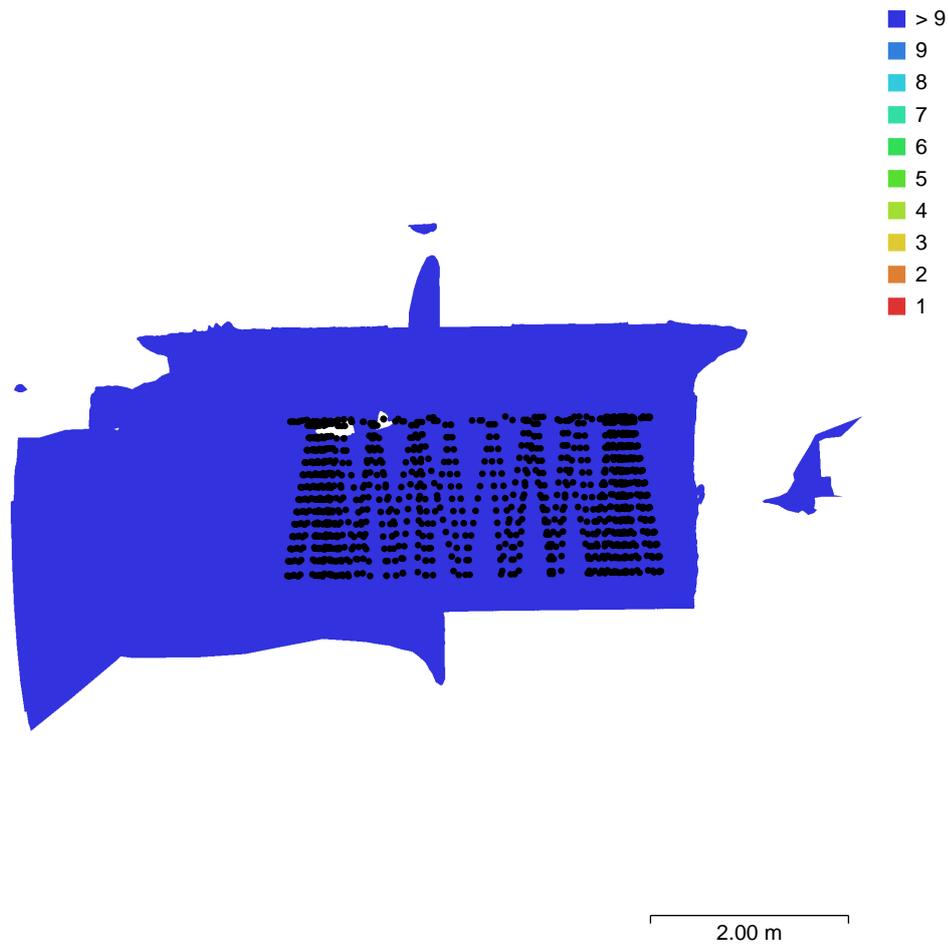# Survey Data



Fig. 1. Camera locations and image overlap.

| | | | |
|---|---|---|---|
| Number of images: | 1,302 | Camera stations: | 1,302 |
| Flying altitude: | 45.2 cm | Tie points: | 685,724 |
| Ground resolution: | 0.809 mm/pix | Projections: | 2,328,784 |
| Coverage area: | 21.5 m^2 | Reprojection error: | 0.369 pix |

| Camera Model | Resolution | Focal Length | Pixel Size | Precalibrated |
|---|---|---|---|---|
| 40 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 41 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 42 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 43 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 44 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |

| Camera Model | Resolution | Focal Length | Pixel Size | Precalibrated |
|---|---|---|---|---|
| 45 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 46 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 47 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 48 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 49 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 50 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 51 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 52 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |
| 53 | 8660 x 5784 | 6 mm | 4.17 x 4.17 um | No |

Table 1. Cameras.

# Camera Calibration
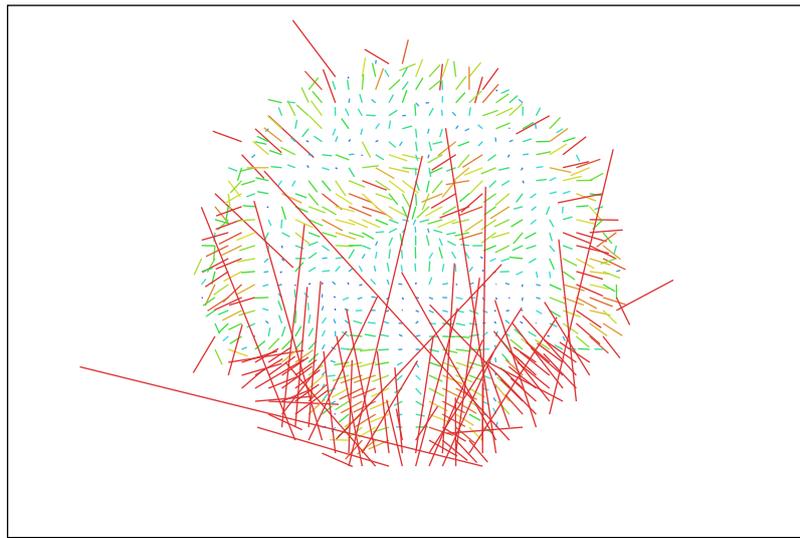


1 pix

Fig. 2. Image residuals for 40.

**40**

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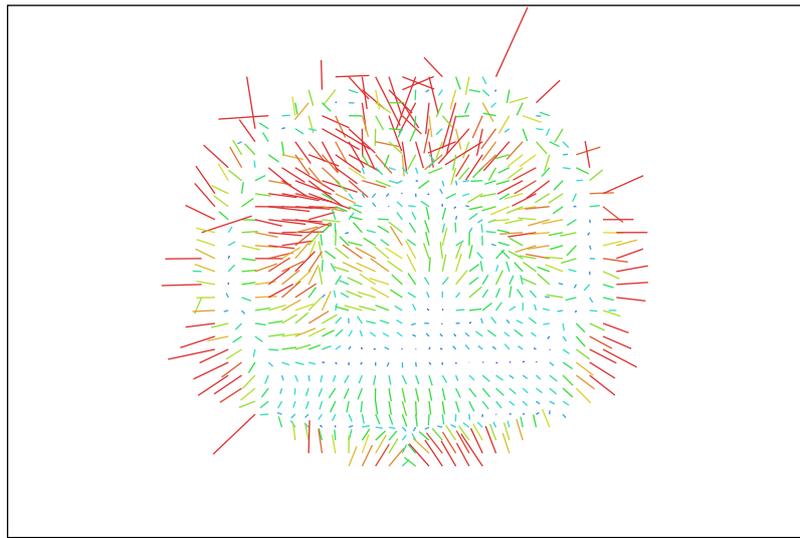
| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1443.49** | 0.013 | 1.00 | -0.00 | -0.08 | -0.80 | 0.70 | -0.63 | -0.00 | 0.17 |
| **Cx** | **13.7508** | 0.017 | | 1.00 | 0.03 | -0.00 | 0.00 | -0.00 | -0.57 | -0.00 |
| **Cy** | **-22.2594** | 0.021 | | | 1.00 | -0.03 | 0.02 | -0.01 | 0.02 | -0.72 |
| **K1** | **-0.008349** | 2.2e-05 | | | | 1.00 | -0.97 | 0.92 | -0.03 | 0.07 |
| **K2** | **0.00382779** | 1.8e-05 | | | | | 1.00 | -0.99 | 0.04 | -0.10 |
| **K3** | **-0.00206986** | 4.7e-06 | | | | | | 1.00 | -0.04 | 0.12 |
| **P1** | **0.000224976** | 9.1e-07 | | | | | | | 1.00 | -0.06 |
| **P2** | **0.000469202** | 1.7e-06 | | | | | | | | 1.00 |

Table 2. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix

Fig. 3. Image residuals for 41.

**41**

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| Type | Resolution | Focal Length | Pixel Size |
|------|-----------|--------------|------------|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|------|-------|-------|------|------|-------|-------|-------|-------|-------|-------|
| **F** | **1443.34** | 0.012 | 1.00 | 0.01 | -0.02 | -0.84 | 0.75 | -0.69 | -0.01 | 0.19 |
| **Cx** | **6.17282** | 0.015 | | 1.00 | 0.03 | -0.02 | 0.01 | -0.01 | -0.66 | -0.04 |
| **Cy** | **-37.2996** | 0.02 | | | 1.00 | 0.03 | -0.03 | 0.03 | 0.01 | -0.76 |
| **K1** | **-0.0071866** | 1.7e-05 | | | | 1.00 | -0.97 | 0.93 | -0.01 | -0.06 |
| **K2** | **0.00245807** | 1.3e-05 | | | | | 1.00 | -0.99 | 0.01 | 0.04 |
| **K3** | **-0.00163699** | 2.9e-06 | | | | | | 1.00 | -0.01 | -0.04 |
| **P1** | **0.000178147** | 7.7e-07 | | | | | | | 1.00 | -0.02 |
| **P2** | **0.0006208** | 1.4e-06 | | | | | | | | 1.00 |

Table 3. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix

Fig. 4. Image residuals for 42.

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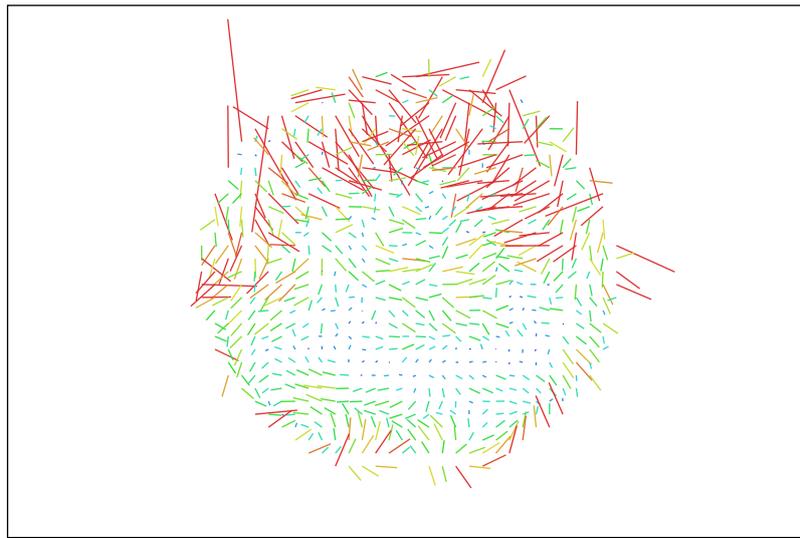93 images

| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1437.49** | 0.012 | 1.00 | -0.00 | -0.01 | -0.86 | 0.77 | -0.71 | -0.00 | 0.19 |
| **Cx** | **3.79389** | 0.014 | | 1.00 | 0.02 | -0.01 | 0.01 | -0.00 | -0.68 | -0.04 |
| **Cy** | **-10.1423** | 0.019 | | | 1.00 | 0.03 | -0.03 | 0.02 | 0.00 | -0.79 |
| **K1** | **-0.00649017** | 1.7e-05 | | | | 1.00 | -0.97 | 0.93 | -0.01 | -0.07 |
| **K2** | **0.00184557** | 1.2e-05 | | | | | 1.00 | -0.99 | 0.01 | 0.04 |
| **K3** | **-0.00154905** | 2.9e-06 | | | | | | 1.00 | -0.01 | -0.04 |
| **P1** | **-0.000178644** | 7.5e-07 | | | | | | | 1.00 | -0.00 |
| **P2** | **1.23756e-05** | 1.3e-06 | | | | | | | | 1.00 |

Table 4. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
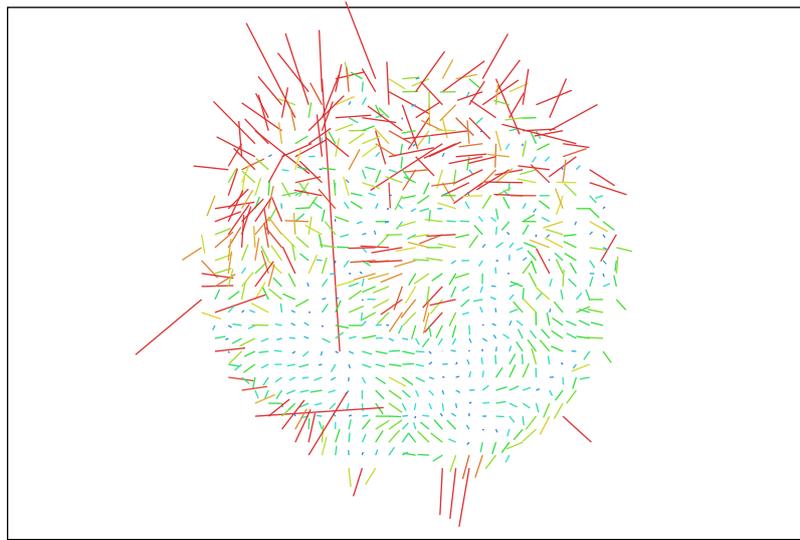
Fig. 5. Image residuals for 43.

## 43

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1450.79** | 0.013 | 1.00 | 0.00 | 0.00 | -0.86 | 0.78 | -0.72 | -0.01 | 0.18 |
| **Cx** | **-0.270488** | 0.013 | | 1.00 | 0.02 | -0.02 | 0.01 | -0.01 | -0.70 | -0.03 |
| **Cy** | **-48.3765** | 0.02 | | | 1.00 | 0.03 | -0.02 | 0.01 | 0.00 | -0.81 |
| **K1** | **-0.00649922** | 1.7e-05 | | | | 1.00 | -0.97 | 0.93 | 0.00 | -0.08 |
| **K2** | **0.00158446** | 1.2e-05 | | | | | 1.00 | -0.99 | 0.00 | 0.04 |
| **K3** | **-0.00148813** | 2.8e-06 | | | | | | 1.00 | -0.00 | -0.03 |
| **P1** | **0.000210062** | 7.5e-07 | | | | | | | 1.00 | 0.00 |
| **P2** | **-0.000197177** | 1.3e-06 | | | | | | | | 1.00 |

Table 5. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
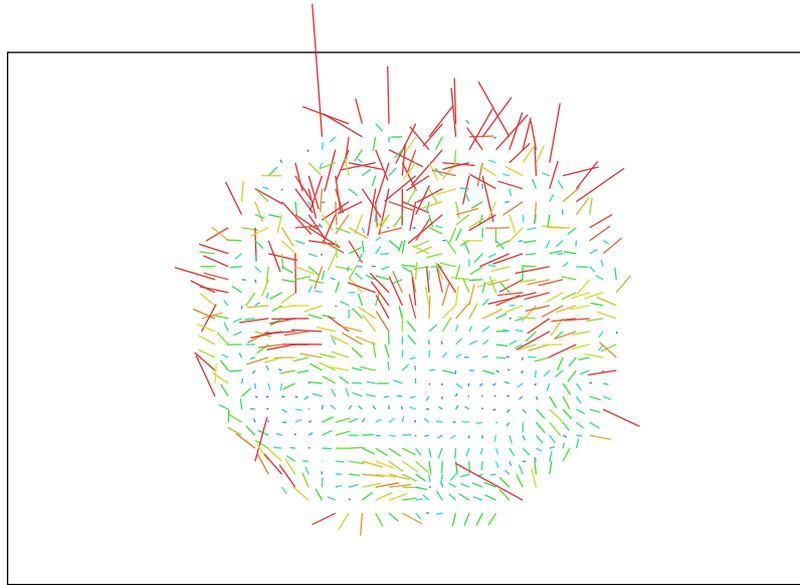
Fig. 6. Image residuals for 44.

**44**

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| Type | Resolution | Focal Length | Pixel Size |
|------|-----------|--------------|------------|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|-------|-------|---|----|----|----|----|----|----|----|
| **F** | **1444.98** | 0.013 | 1.00 | 0.01 | 0.01 | -0.87 | 0.79 | -0.73 | -0.01 | 0.16 |
| **Cx** | **28.1034** | 0.013 |  | 1.00 | 0.01 | -0.03 | 0.02 | -0.02 | -0.70 | -0.03 |
| **Cy** | **8.38981** | 0.02 |  |  | 1.00 | 0.02 | -0.01 | 0.01 | 0.01 | -0.81 |
| **K1** | **-0.00614026** | 1.8e-05 |  |  |  | 1.00 | -0.98 | 0.94 | 0.01 | -0.08 |
| **K2** | **0.00143904** | 1.3e-05 |  |  |  |  | 1.00 | -0.99 | 0.00 | 0.03 |
| **K3** | **-0.00143153** | 3e-06 |  |  |  |  |  | 1.00 | -0.00 | -0.02 |
| **P1** | **0.000212963** | 7.7e-07 |  |  |  |  |  |  | 1.00 | 0.01 |
| **P2** | **0.000528326** | 1.4e-06 |  |  |  |  |  |  |  | 1.00 |

Table 6. Calibration coefficients and correlation matrix.

# Camera Calibration
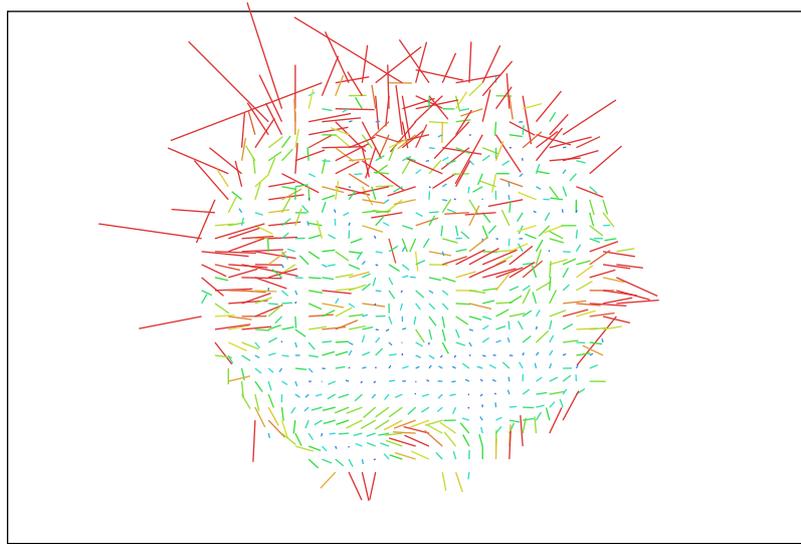


1 pix

Fig. 7. Image residuals for 45.

## 45

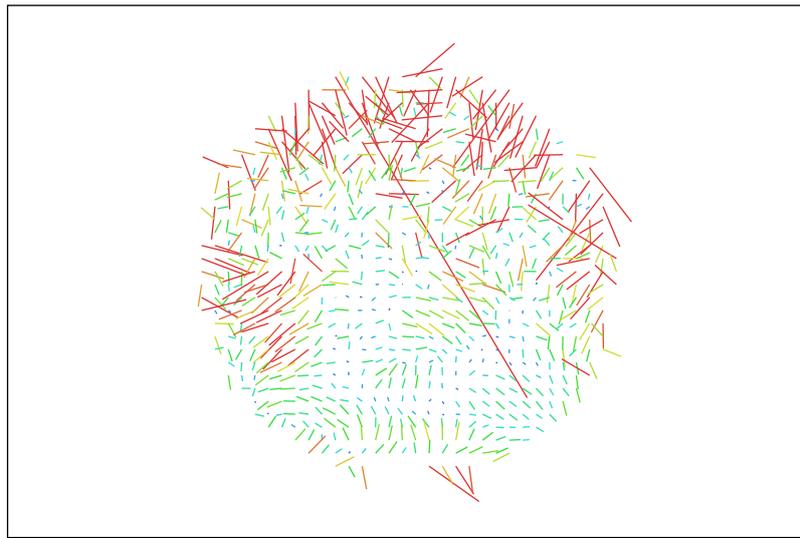93 images

| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1450.8** | 0.014 | 1.00 | 0.01 | 0.03 | -0.88 | 0.80 | -0.74 | -0.02 | 0.15 |
| **Cx** | **4.09794** | 0.013 | | 1.00 | 0.02 | -0.03 | 0.03 | -0.02 | -0.71 | -0.03 |
| **Cy** | **-35.7172** | 0.021 | | | 1.00 | 0.00 | 0.00 | -0.01 | -0.00 | -0.82 |
| **K1** | **-0.00582664** | 1.9e-05 | | | | 1.00 | -0.98 | 0.94 | 0.02 | -0.08 |
| **K2** | **0.00100202** | 1.3e-05 | | | | | 1.00 | -0.99 | -0.01 | 0.03 |
| **K3** | **-0.00135283** | 3e-06 | | | | | | 1.00 | 0.01 | -0.02 |
| **P1** | **-0.000166367** | 7.7e-07 | | | | | | | 1.00 | 0.01 |
| **P2** | **-9.70993e-05** | 1.4e-06 | | | | | | | | 1.00 |

Table 7. Calibration coefficients and correlation matrix.

# Camera Calibration



Fig. 8. Image residuals for 46.

**46**

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1438.76** | 0.015 | 1.00 | 0.01 | 0.05 | -0.89 | 0.80 | -0.75 | -0.03 | 0.11 |
| **Cx** | **-9.79598** | 0.012 |  | 1.00 | 0.01 | -0.03 | 0.03 | -0.02 | -0.71 | -0.02 |
| **Cy** | **-14.0842** | 0.021 |  |  | 1.00 | -0.01 | 0.02 | -0.02 | -0.00 | -0.83 |
| **K1** | **-0.00593482** | 2e-05 |  |  |  | 1.00 | -0.98 | 0.94 | 0.03 | -0.06 |
| **K2** | **0.00091539** | 1.4e-05 |  |  |  |  | 1.00 | -0.99 | -0.03 | 0.01 |
| **K3** | **-0.00133041** | 3.1e-06 |  |  |  |  |  | 1.00 | 0.03 | 0.00 |
| **P1** | **-0.000180468** | 7.8e-07 |  |  |  |  |  |  | 1.00 | -0.00 |
| **P2** | **4.2515e-05** | 1.4e-06 |  |  |  |  |  |  |  | 1.00 |

Table 8. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
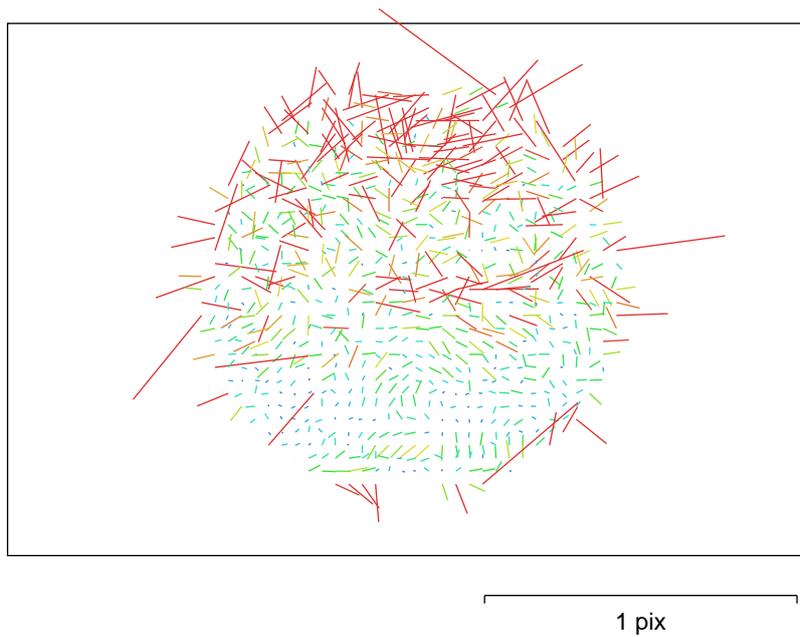
Fig. 9. Image residuals for 47.

**47**

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1450.67** | 0.016 | 1.00 | 0.00 | 0.06 | -0.89 | 0.81 | -0.76 | -0.01 | 0.10 |
| **Cx** | **19.6065** | 0.013 | | 1.00 | 0.02 | -0.02 | 0.02 | -0.01 | -0.71 | -0.03 |
| **Cy** | **-38.2798** | 0.023 | | | 1.00 | -0.01 | 0.01 | -0.02 | -0.01 | -0.83 |
| **K1** | **-0.00476535** | 2.2e-05 | | | | 1.00 | -0.98 | 0.94 | 0.02 | -0.05 |
| **K2** | **0.000285838** | 1.5e-05 | | | | | 1.00 | -0.99 | -0.02 | 0.01 |
| **K3** | **-0.00121332** | 3.3e-06 | | | | | | 1.00 | 0.02 | 0.01 |
| **P1** | **-0.000182656** | 8e-07 | | | | | | | 1.00 | 0.01 |
| **P2** | **0.000116849** | 1.4e-06 | | | | | | | | 1.00 |

Table 9. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
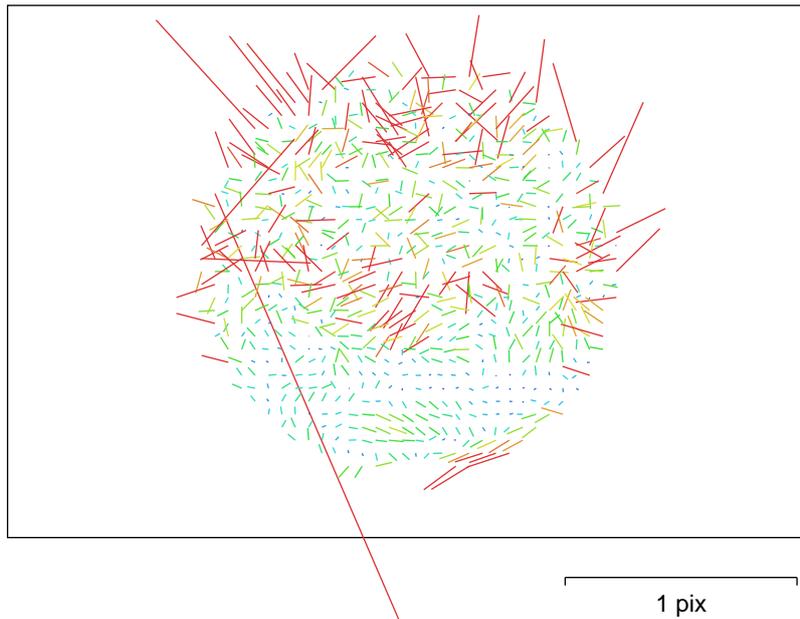
Fig. 10. Image residuals for 48.

**48**

93 images

| Type | Resolution | Focal Length | Pixel Size |
|------|------------|--------------|------------|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|-------|-------|---|----|----|----|----|----|----|----|
| **F** | **1438.76** | 0.019 | 1.00 | -0.01 | 0.04 | -0.90 | 0.83 | -0.77 | -0.00 | 0.09 |
| **Cx** | **10.5404** | 0.014 | | 1.00 | 0.02 | -0.01 | 0.01 | -0.00 | -0.72 | -0.03 |
| **Cy** | **-34.454** | 0.024 | | | 1.00 | -0.01 | 0.01 | -0.01 | -0.01 | -0.82 |
| **K1** | **-0.00529456** | 2.5e-05 | | | | 1.00 | -0.98 | 0.94 | 0.01 | -0.04 |
| **K2** | **0.000740872** | 1.8e-05 | | | | | 1.00 | -0.99 | -0.01 | -0.01 |
| **K3** | **-0.00128237** | 3.8e-06 | | | | | | 1.00 | 0.01 | 0.02 |
| **P1** | **0.00035127** | 8.8e-07 | | | | | | | 1.00 | 0.02 |
| **P2** | **-0.000172011** | 1.5e-06 | | | | | | | | 1.00 |

Table 10. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
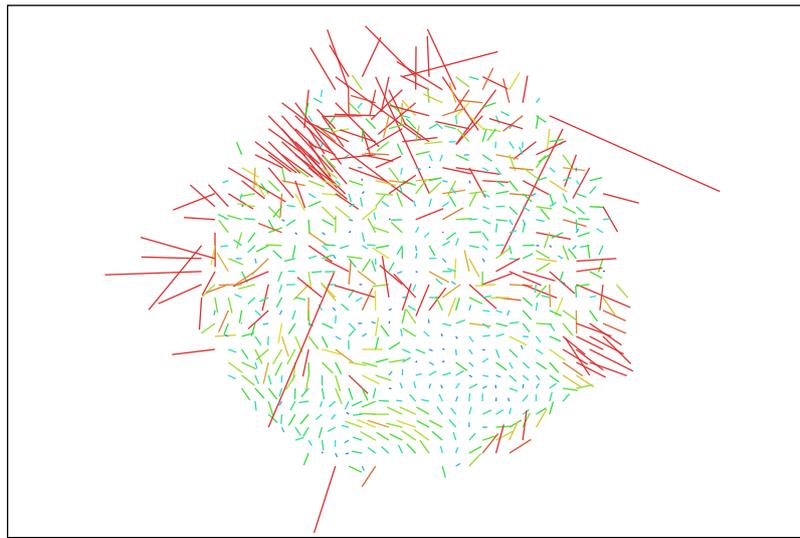
Fig. 11. Image residuals for 49.

**49**

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1437** | 0.018 | 1.00 | -0.02 | 0.03 | -0.90 | 0.82 | -0.77 | 0.02 | 0.06 |
| **Cx** | **-9.98493** | 0.014 |  | 1.00 | 0.00 | 0.00 | -0.01 | 0.01 | -0.73 | -0.02 |
| **Cy** | **-19.5199** | 0.025 |  |  | 1.00 | 0.02 | -0.02 | 0.01 | 0.00 | -0.83 |
| **K1** | **-0.00547279** | 2.5e-05 |  |  |  | 1.00 | -0.98 | 0.94 | -0.01 | -0.04 |
| **K2** | **0.000690105** | 1.7e-05 |  |  |  |  | 1.00 | -0.99 | 0.01 | -0.01 |
| **K3** | **-0.00127259** | 3.7e-06 |  |  |  |  |  | 1.00 | -0.02 | 0.02 |
| **P1** | **-0.000165156** | 8.8e-07 |  |  |  |  |  |  | 1.00 | 0.01 |
| **P2** | **4.87578e-05** | 1.6e-06 |  |  |  |  |  |  |  | 1.00 |

Table 11. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
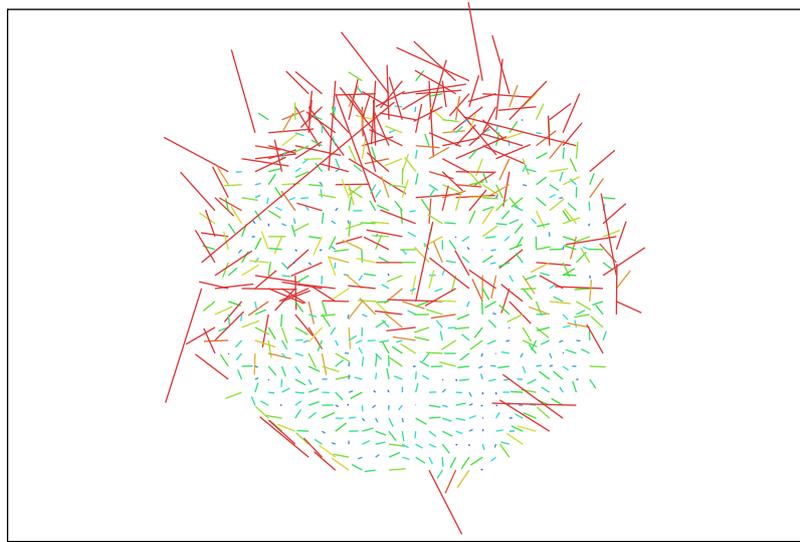
Fig. 12. Image residuals for 50.

## 50

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1445.32** | 0.022 | 1.00 | -0.03 | -0.01 | -0.90 | 0.83 | -0.77 | 0.01 | 0.06 |
| **Cx** | **13.2646** | 0.017 |  | 1.00 | 0.01 | 0.01 | -0.00 | 0.00 | -0.74 | -0.02 |
| **Cy** | **-22.93** | 0.026 |  |  | 1.00 | 0.05 | -0.04 | 0.03 | -0.01 | -0.81 |
| **K1** | **-0.00636699** | 3e-05 |  |  |  | 1.00 | -0.98 | 0.94 | 0.00 | -0.03 |
| **K2** | **0.00101984** | 2.1e-05 |  |  |  |  | 1.00 | -0.99 | -0.00 | -0.01 |
| **K3** | **-0.00133788** | 4.6e-06 |  |  |  |  |  | 1.00 | 0.01 | 0.03 |
| **P1** | **0.000230168** | 1e-06 |  |  |  |  |  |  | 1.00 | 0.02 |
| **P2** | **9.47423e-05** | 1.7e-06 |  |  |  |  |  |  |  | 1.00 |

Table 12. Calibration coefficients and correlation matrix.

# Camera Calibration
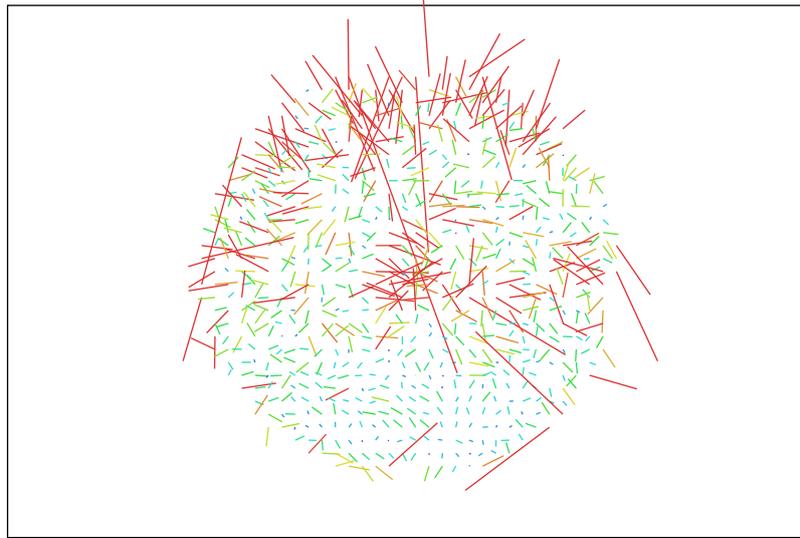


Fig. 13. Image residuals for 51.

**51**

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| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1441.61** | 0.019 | 1.00 | -0.01 | 0.00 | -0.89 | 0.82 | -0.76 | 0.01 | 0.02 |
| **Cx** | **0.203939** | 0.016 |  | 1.00 | -0.00 | -0.00 | 0.00 | -0.00 | -0.73 | -0.01 |
| **Cy** | **-1.58173** | 0.026 |  |  | 1.00 | 0.06 | -0.05 | 0.04 | 0.00 | -0.84 |
| **K1** | **-0.00513882** | 2.7e-05 |  |  |  | 1.00 | -0.98 | 0.94 | -0.00 | -0.02 |
| **K2** | **0.000568764** | 1.9e-05 |  |  |  |  | 1.00 | -0.99 | 0.00 | -0.03 |
| **K3** | **-0.00127654** | 4.2e-06 |  |  |  |  |  | 1.00 | -0.00 | 0.04 |
| **P1** | **-0.000122929** | 9.8e-07 |  |  |  |  |  |  | 1.00 | -0.00 |
| **P2** | **-0.000483128** | 1.7e-06 |  |  |  |  |  |  |  | 1.00 |

Table 13. Calibration coefficients and correlation matrix.

# Camera Calibration
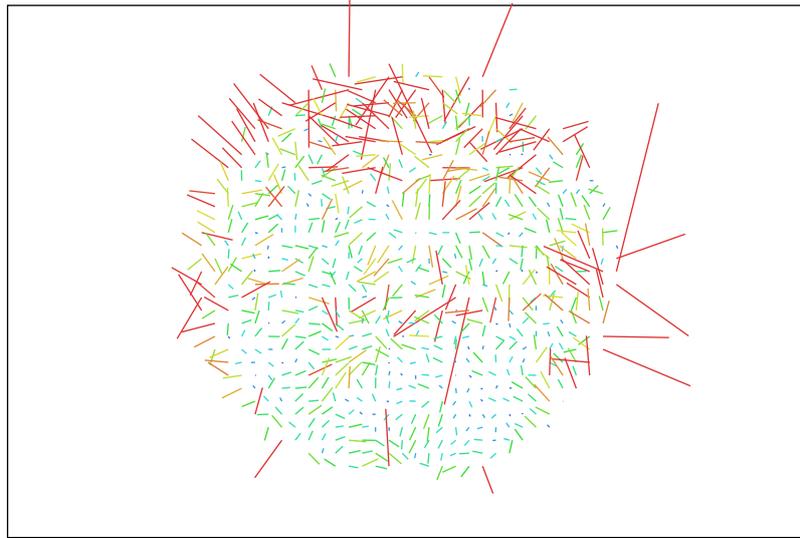


Fig. 14. Image residuals for 52.

**52**

93 images

| Type | Resolution | Focal Length | Pixel Size |
|------|------------|--------------|------------|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

| | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|-------|-------|---|----|----|----|----|----|----|----|
| **F** | **1442.71** | 0.02 | 1.00 | 0.00 | -0.00 | -0.89 | 0.81 | -0.75 | 0.00 | 0.01 |
| **Cx** | **-13.3681** | 0.018 | | 1.00 | -0.01 | -0.02 | 0.02 | -0.01 | -0.74 | 0.00 |
| **Cy** | **-7.87211** | 0.027 | | | 1.00 | 0.07 | -0.05 | 0.04 | 0.01 | -0.83 |
| **K1** | **-0.00523745** | 2.9e-05 | | | | 1.00 | -0.98 | 0.94 | 0.01 | -0.01 |
| **K2** | **0.000462855** | 2e-05 | | | | | 1.00 | -0.99 | -0.01 | -0.04 |
| **K3** | **-0.00120814** | 4.5e-06 | | | | | | 1.00 | 0.01 | 0.05 |
| **P1** | **-4.60578e-06** | 1.1e-06 | | | | | | | 1.00 | -0.01 |
| **P2** | **-0.000354405** | 1.8e-06 | | | | | | | | 1.00 |

Table 14. Calibration coefficients and correlation matrix.

# Camera Calibration



1 pix
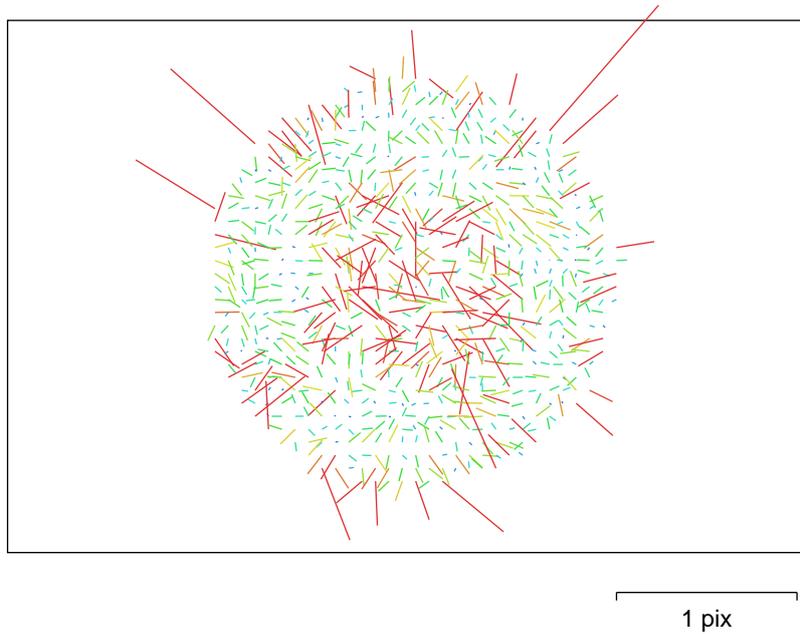
Fig. 15. Image residuals for 53.

**53**

93 images

| Type | Resolution | Focal Length | Pixel Size |
|---|---|---|---|
| **Fisheye** | **8660 x 5784** | **6 mm** | **4.17 x 4.17 um** |

|  | Value | Error | F | Cx | Cy | K1 | K2 | K3 | P1 | P2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **F** | **1438.15** | 0.066 | 1.00 | -0.01 | -0.01 | -0.86 | 0.75 | -0.69 | 0.05 | -0.00 |
| **Cx** | **26.7684** | 0.017 | | 1.00 | -0.02 | 0.00 | -0.00 | 0.00 | -0.75 | 0.01 |
| **Cy** | **-51.8915** | 0.017 | | | 1.00 | 0.03 | -0.04 | 0.05 | 0.02 | -0.74 |
| **K1** | **-0.00339757** | 8.8e-05 | | | | 1.00 | -0.98 | 0.94 | -0.04 | -0.02 |
| **K2** | **0.000750891** | 6.3e-05 | | | | | 1.00 | -0.99 | 0.04 | 0.05 |
| **K3** | **-0.00157152** | 1.5e-05 | | | | | | 1.00 | -0.04 | -0.07 |
| **P1** | **-0.000210637** | 1.9e-06 | | | | | | | 1.00 | -0.02 |
| **P2** | **-0.000239926** | 1.9e-06 | | | | | | | | 1.00 |

Table 15. Calibration coefficients and correlation matrix.

# Scale Bars

| Label | Distance (m) | Error (m) |
|---|---|---|
| 002a. 4-5 | 0.233734 | -0.016266 |
| 002b. 5-6 | 0.272661 | 0.0227611 |
| 005a. 12-13 | 0.246861 | -0.00311948 |
| 005b. 13-14 | 0.249714 | -0.000175723 |
| 008a. 20-21 | 0.248705 | -0.00132538 |
| 008b. 21-22 | 0.248024 | -0.00185638 |
| **Total** | | **0.0115298** |

Table 16. Control scale bars.

# Digital Elevation Model



6.00 m

-6.00 m

2.00 m
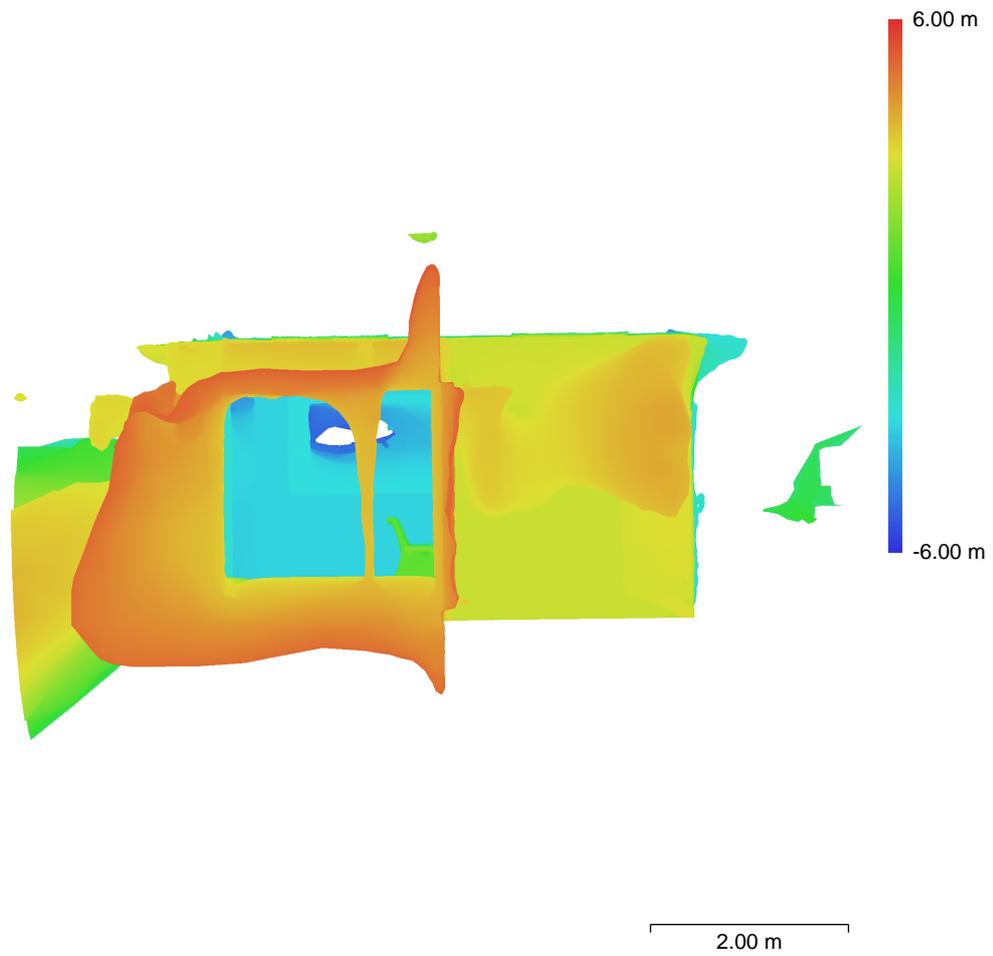
Fig. 16. Reconstructed digital elevation model.

Resolution:          4.40 mm/pix

Point density:       5.17 points/cm^2

# Processing Parameters

**General**

| | |
|---|---|
| Images | 1302 |
| Aligned images | 1302 |
| Markers | 10 |
| Scale bars | 6 |
| Coordinate system | Local Coordinates (m) |
| Rotation angles | Yaw, Pitch, Roll |

**Tie Points**

| | |
|---|---|
| Points | 685,724 of 2,123,504 |
| RMS reprojection error | 0.218593 (0.368608 pix) |
| Max reprojection error | 0.869457 (5.95106 pix) |
| Mean key point size | 1.61894 pix |
| Point colors | 3 bands, uint8 |
| Key points | 6.17 GB |
| Average tie point multiplicity | 3.55757 |

**Alignment parameters**

| | |
|---|---|
| Accuracy | Highest |
| Generic preselection | Yes |
| Reference preselection | Estimated |
| Key point limit | 60,000 |
| Key point limit per Mpx | 1,000 |
| Tie point limit | 0 |
| Exclude stationary tie points | Yes |
| Guided image matching | No |
| Adaptive camera model fitting | No |
| Matching time | 9 minutes 50 seconds |
| Matching memory usage | 16.60 GB |
| Alignment time | 2 minutes 46 seconds |
| Alignment memory usage | 14.42 GB |

**Optimization parameters**

| | |
|---|---|
| Parameters | f, cx, cy, k1-k3, p1, p2 |
| Adaptive camera model fitting | No |
| Exclude corners | No |
| Optimization time | 3 seconds |
| Date created | 2026:02:17 10:36:51 |
| Software version | 2.2.2.21287 |
| File size | 6.33 GB |

**Depth Maps**

| | |
|---|---|
| Count | 1302 |

**Depth maps generation parameters**

| | |
|---|---|
| Quality | Medium |
| Filtering mode | Mild |
| Max neighbors | 16 |
| Processing time | 14 minutes 8 seconds |
| Memory usage | 4.91 GB |
| Date created | 2026:02:19 15:48:43 |
| Software version | 2.2.2.21287 |
| File size | 1.52 GB |

**Point Cloud**

| | |
|---|---|
| Points | 26,237,411 |
| Coordinate precision | 0.809 mm |

**Point attributes**
| | |
|---|---|
| Color | 3 bands, uint8 |
| Normal | |

**Point classes**
| | |
|---|---|
| Created (never classified) | 26,237,411 |

**Depth maps generation parameters**
| | |
|---|---|
| Quality | Medium |
| Filtering mode | Mild |
| Max neighbors | 16 |
| Processing time | 14 minutes 8 seconds |
| Memory usage | 4.91 GB |

**Point cloud generation parameters**
| | |
|---|---|
| Source data | Depth maps |
| Processing time | 1 hours 33 minutes |
| Memory usage | 42.30 GB |
| Date created | 2026:02:19 17:21:47 |
| Software version | 2.2.2.21287 |
| File size | 352.60 MB |

**Model**
| | |
|---|---|
| Faces | 2,007,773 |
| Vertices | 1,004,076 |
| Vertex colors | 3 bands, uint8 |
| Texture | 16,384 x 16,384, 3 bands, uint8 |

**Depth maps generation parameters**
| | |
|---|---|
| Quality | Medium |
| Filtering mode | Mild |
| Max neighbors | 16 |
| Processing time | 14 minutes 8 seconds |
| Memory usage | 4.91 GB |

**Reconstruction parameters**
| | |
|---|---|
| Surface type | Arbitrary |
| Source data | Depth maps |
| Interpolation | Enabled |
| Strict volumetric masks | No |
| Processing time | 3 minutes 19 seconds |
| Memory usage | 6.94 GB |

**Texturing parameters**
| | |
|---|---|
| Mapping mode | Generic |
| Blending mode | Mosaic |
| Texture size | 16,384 |
| Page count | 1 |
| Enable hole filling | Yes |
| Enable ghosting filter | Yes |
| UV mapping time | 2 minutes 58 seconds |
| UV mapping memory usage | 1.30 GB |
| Blending time | 4 minutes 19 seconds |
| Blending memory usage | 11.58 GB |
| Blending GPU memory usage | 7.59 GB |
| Date created | 2026:02:19 17:25:04 |
| Software version | 2.2.2.21287 |
| File size | 311.71 MB |

**System**
| | |
|---|---|
| Software name | Agisoft Metashape Professional |
| Software version | 2.2.2 build 21287 |
| OS | Windows 64 bit |
| RAM | 255.52 GB |

| | |
|---|---|
| CPU | AMD Ryzen Threadripper PRO 7975WX 32-Cores |
| GPU(s) | NVIDIA GeForce RTX 5090 |
| | NVIDIA GeForce RTX 5090 |