

ODM Quality Report

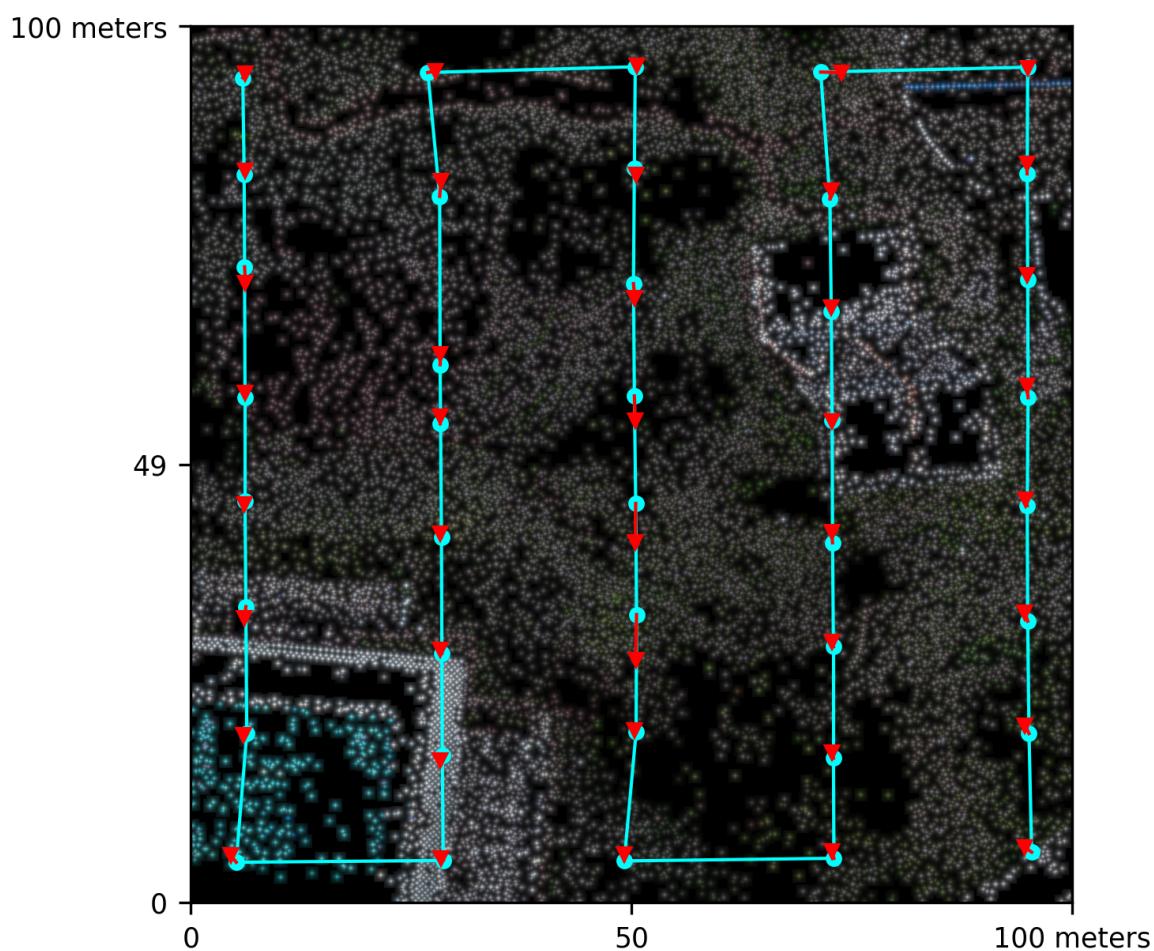
Processed with ODM version 2.4.3

Dataset Summary

| | |
|-----------------|--------------------------|
| Date | 21/02/2021 at 21:47:18 |
| Area Covered | 0.008214 km ² |
| Processing Time | 33.0m:20.0s |

Processing Summary

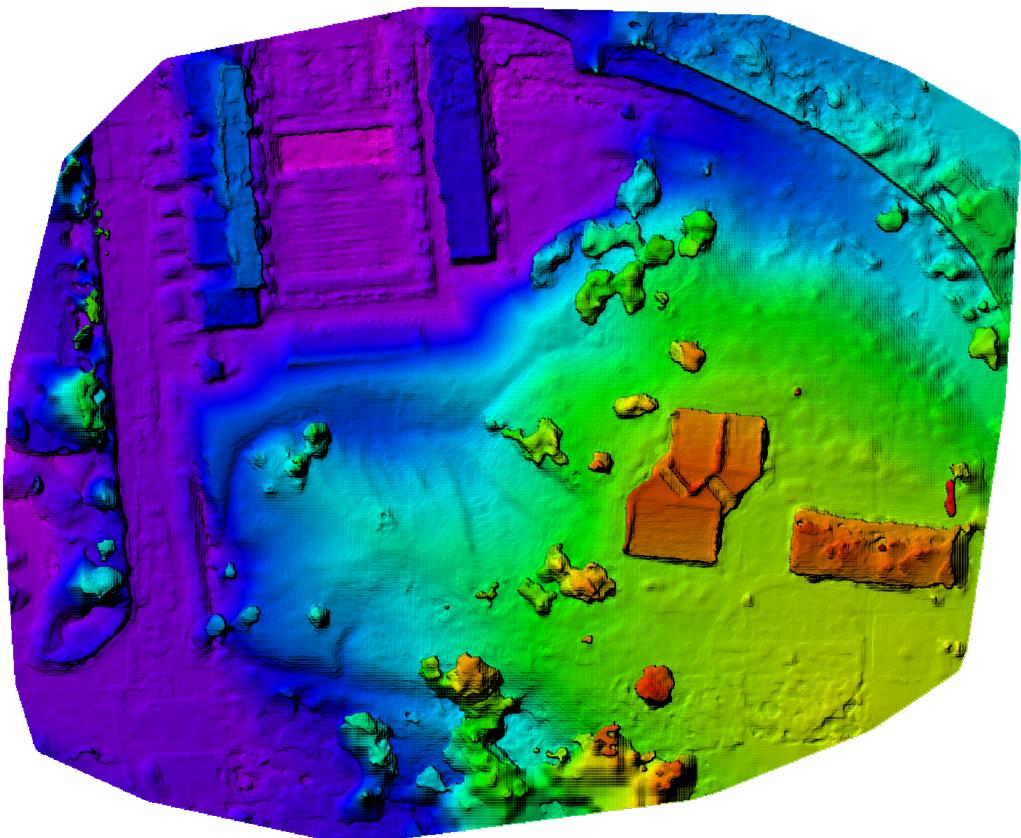
| | |
|--|---------------------------------|
| Reconstructed Images | 40 over 40 shots (100.0%) |
| Reconstructed Points (Sparse) | 48091 over 48704 points (98.7%) |
| Reconstructed Points (Dense) | 1,198,721 points |
| Average Ground Sampling Distance (GSD) | 4.8 cm |
| Reconstructed Components | 1 component |
| Detected Features | 10,450 features |
| Reconstructed Features | 4,726 features |
| Geographic Reference | GPS |
| GPS errors | 1.14 meters |



Previews



Orthophoto

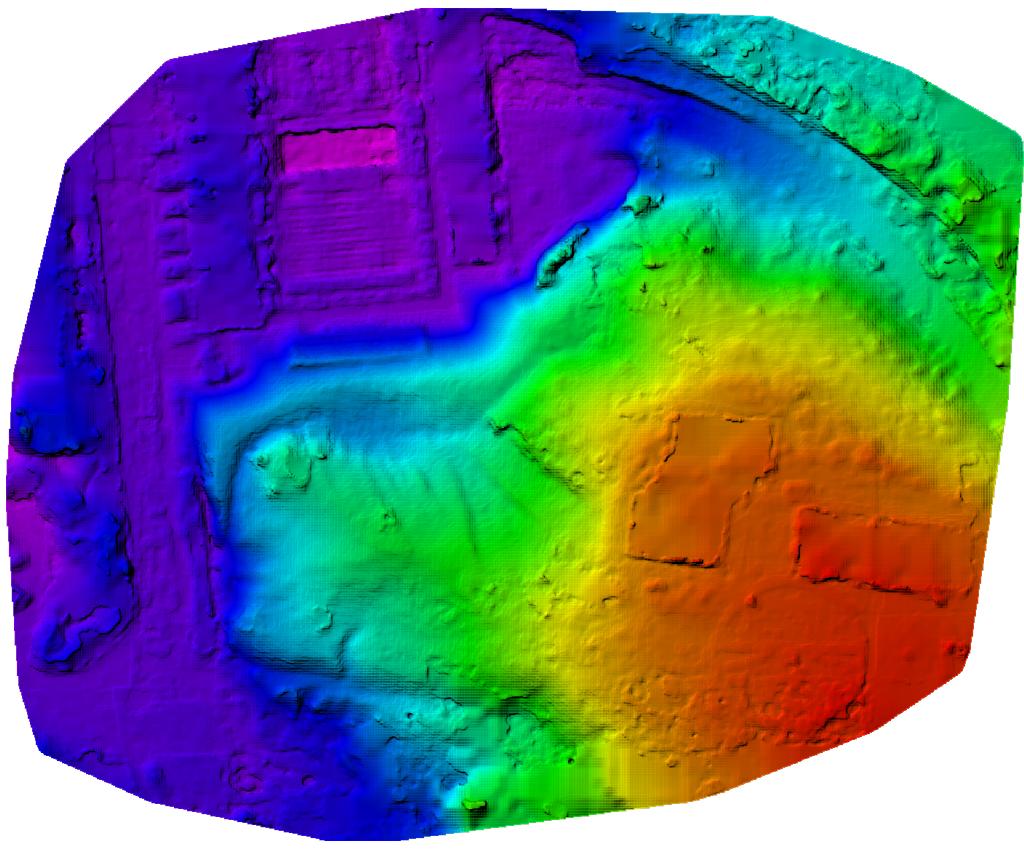


Digital Surface Model



1,086.31m

1,114.08m



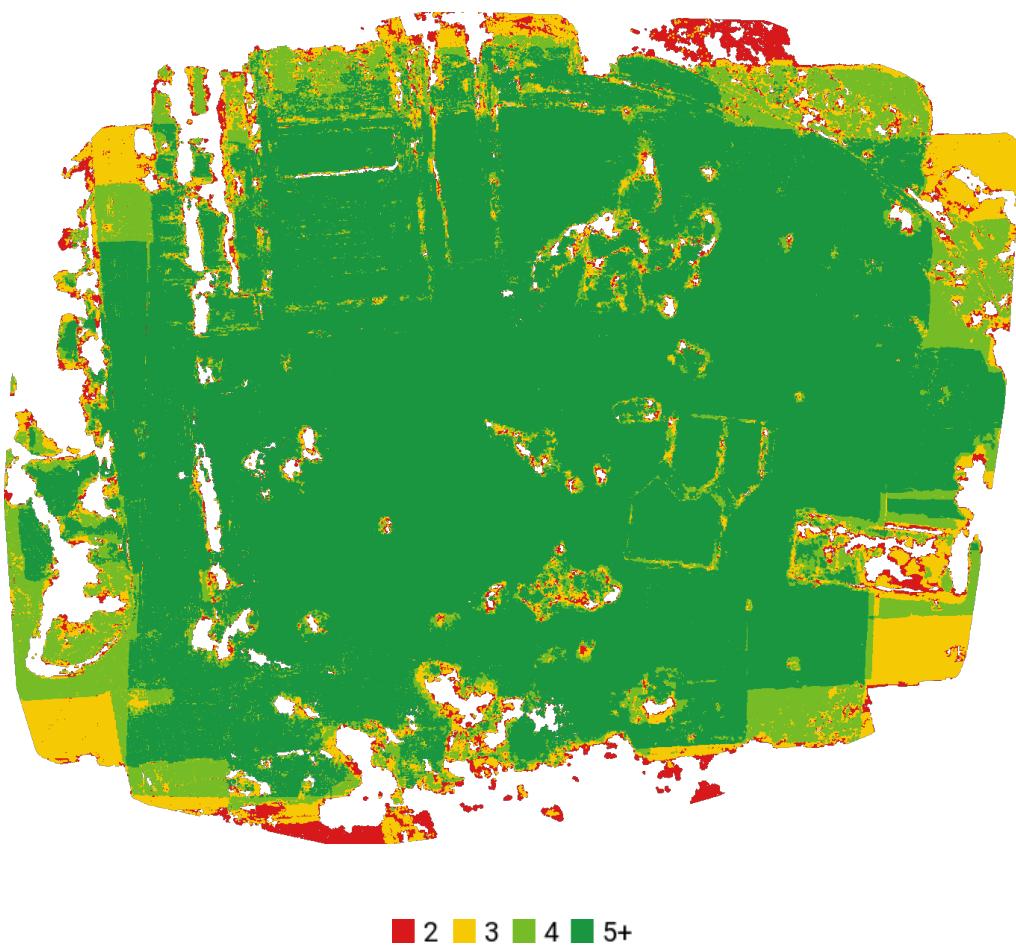
Digital Terrain Model



1,086.26m

1,108.33m

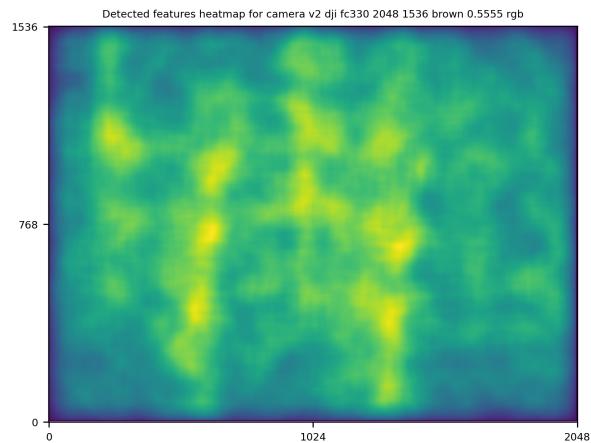
Survey Data



GPS/GCP Errors Details

| GPS | Mean | Sigma | RMS Error |
|------------------|--------|-------|-----------|
| X Error (meters) | -0.004 | 0.461 | 0.461 |
| Y Error (meters) | 0.001 | 1.414 | 1.414 |
| Z Error (meters) | -0.027 | 0.319 | 0.320 |
| Total | | | 1.141 |

Features Details

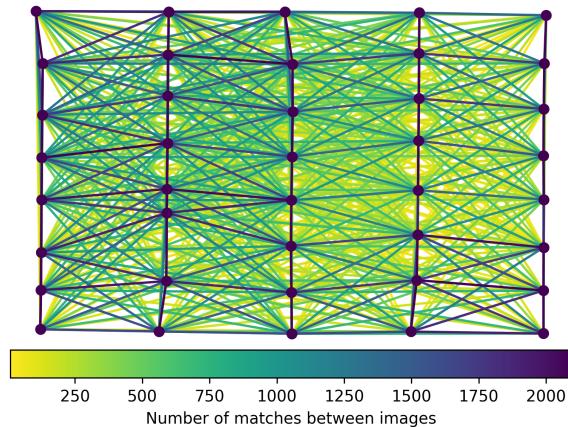


| | Min. | Max. | Mean | Median |
|---------------|------|-------|-------|--------|
| Detected | 8089 | 11829 | 10170 | 10450 |
| Reconstructed | 2996 | 6160 | 4691 | 4726 |

Reconstruction Details

| | |
|----------------------------|-------------|
| Average reprojection Error | 0.48 pixels |
| Average Track Length | 3.90 images |
| Average Track Length (> 2) | 5.45 images |

Tracks Details



| | | | | | | | | | |
|--------|-------|------|------|------|------|------|------|-----|-----|
| Length | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Count | 21594 | 9007 | 5164 | 3249 | 2281 | 1635 | 1355 | 986 | 731 |

Camera Models Details

v2 dji fc330 2048 1536 brown 0.5555 rgb

| | k1 | k2 | k3 | p1 | p2 | focal | aspect_ratio | cx | cy |
|-----------|---------|--------|---------|---------|--------|--------|--------------|---------|---------|
| Initial | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.5556 | 1.0000 | 0.0000 | 0.0000 |
| Optimized | -0.0035 | 0.0007 | -0.0002 | -0.0002 | 0.0002 | 0.5676 | 1.0000 | -0.0032 | -0.0123 |

