

# ODM Quality Report

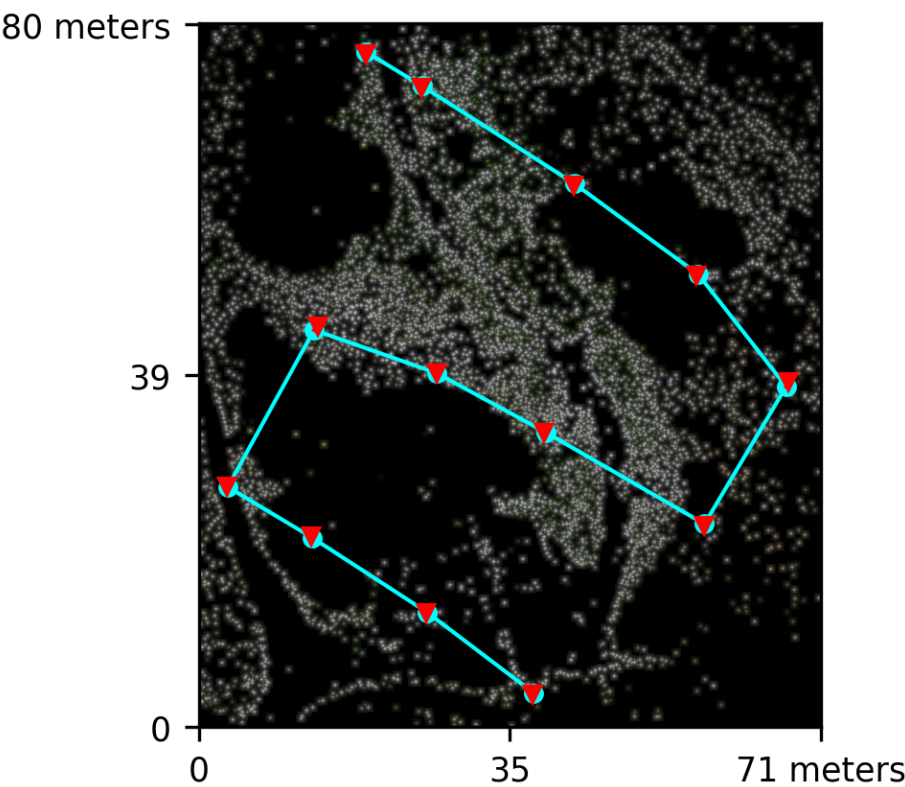
Processed with ODM version 3.1.4

## Dataset Summary

|                 |                        |
|-----------------|------------------------|
| Date            | 09/05/2023 at 18:23:47 |
| Area Covered    | 0.004633 km²           |
| Processing Time | 4.0m:31.0s             |
| Capture Start   | 30/04/2023 at 09:21:01 |
| Capture End     | 30/04/2023 at 09:22:06 |

## Processing Summary

|  |                                 |
|--|---------------------------------|
| Reconstructed Images                   | 13 over 13 shots (100.0%)       |
| Reconstructed Points (Sparse)          | 14522 over 14618 points (99.3%) |
| Reconstructed Points (Dense)           | 1,518,930 points                |
| Average Ground Sampling Distance (GSD) | 2.8 cm                          |
| Detected Features                      | 11,737 features                 |
| Reconstructed Features                 | 2,927 features                  |
| Geographic Reference                   | GPS                             |
| GPS errors                             | 0.30 meters                     |

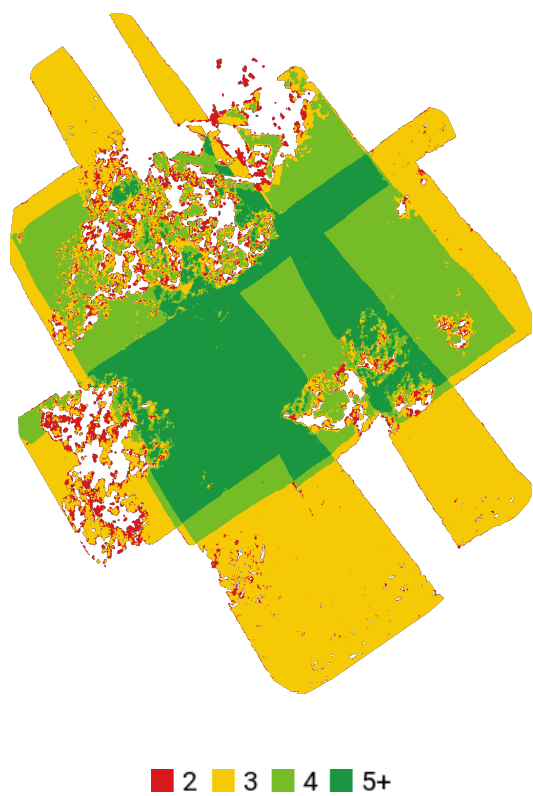


Previews



Orthophoto

# Survey Data



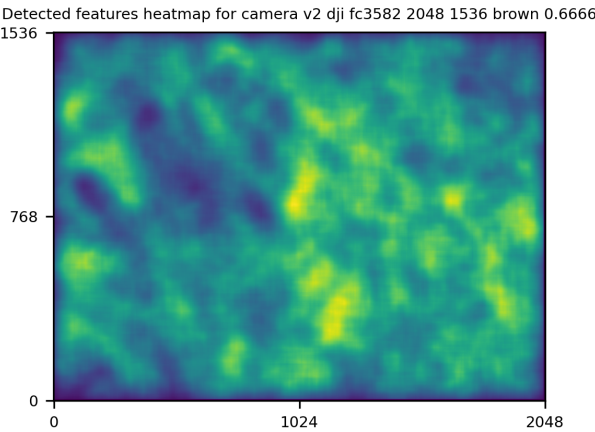
## GPS/GCP/3D Errors Details

| GPS              | Mean   | Sigma | RMS Error |
|------------------|--------|-------|-----------|
| X Error (meters) | 0.020  | 0.157 | 0.158     |
| Y Error (meters) | 0.021  | 0.235 | 0.236     |
| Z Error (meters) | -0.029 | 0.192 | 0.195     |
| Total            |        |       | 0.303     |

| 3D               | Mean  | Sigma | RMS Error |
|------------------|-------|-------|-----------|
| X Error (meters) | 0.008 | 0.008 | 0.012     |
| Y Error (meters) | 0.010 | 0.010 | 0.014     |
| Z Error (meters) | 0.015 | 0.018 | 0.024     |
| Total            |       |       | 0.021     |

|                                   | Absolute | Relative |
|-----------------------------------|----------|----------|
| Horizontal Accuracy CE90 (meters) | 0.400    | 0.028    |
| Vertical Accuracy LE90 (meters)   | 0.266    | 0.036    |

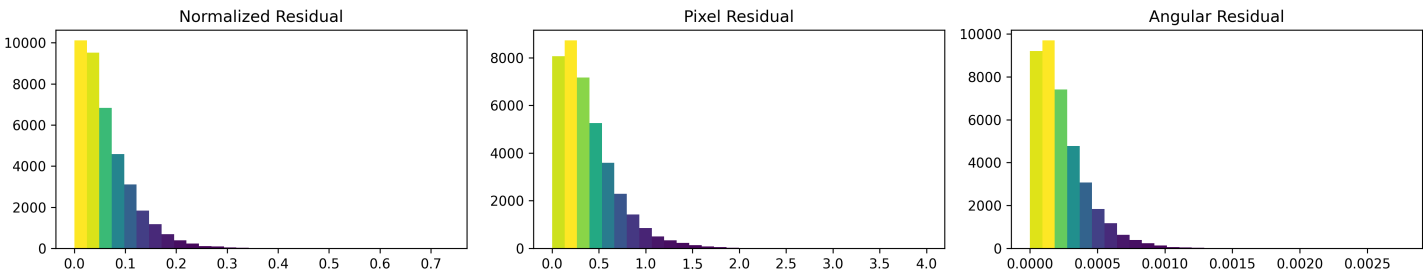
# Features Details



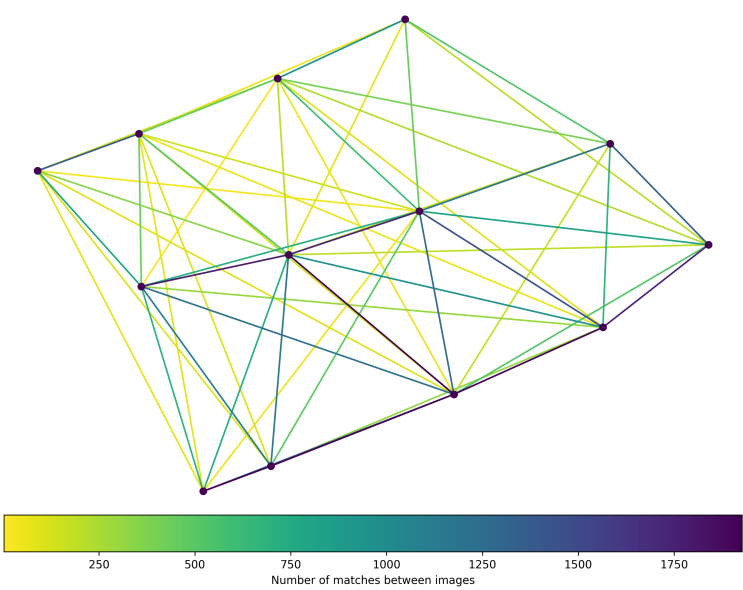
|               | Min.  | Max.  | Mean  | Median |
|---------------|-------|-------|-------|--------|
| Detected      | 10738 | 13548 | 11928 | 11737  |
| Reconstructed | 1276  | 4691  | 2988  | 2927   |

# Reconstruction Details

|  |                       |
|--|-----------------------|
| Average Reprojection Error (normalized / pixels / angular) | 0.06 / 0.39 / 0.00024 |
| Average Track Length                                       | 2.68 images           |
| Average Track Length (> 2)                                 | 3.72 images           |



Tracks Details



|        |      |      |      |     |     |    |   |
|--------|------|------|------|-----|-----|----|---|
| Length | 2    | 3    | 4    | 5   | 6   | 7  | 8 |
| Count  | 8831 | 2969 | 1618 | 870 | 188 | 39 | 7 |

Camera Models Details

v2 dji fc3582 2048 1536 brown 0.6666

|           |        |         |        |        |        |        |              |         |         |
|-----------|--------|---------|--------|--------|--------|--------|--------------|---------|---------|
|           | k1     | k2      | k3     | p1     | p2     | focal  | aspect_ratio | cx      | cy      |
| Initial   | 0.0000 | 0.0000  | 0.0000 | 0.0000 | 0.0000 | 0.6667 | 1.0000       | 0.0000  | 0.0000  |
| Optimized | 0.0415 | -0.0493 | 0.0182 | 0.0046 | 0.0009 | 0.6565 | 1.0000       | -0.0127 | -0.0041 |

