

ODM Quality Report

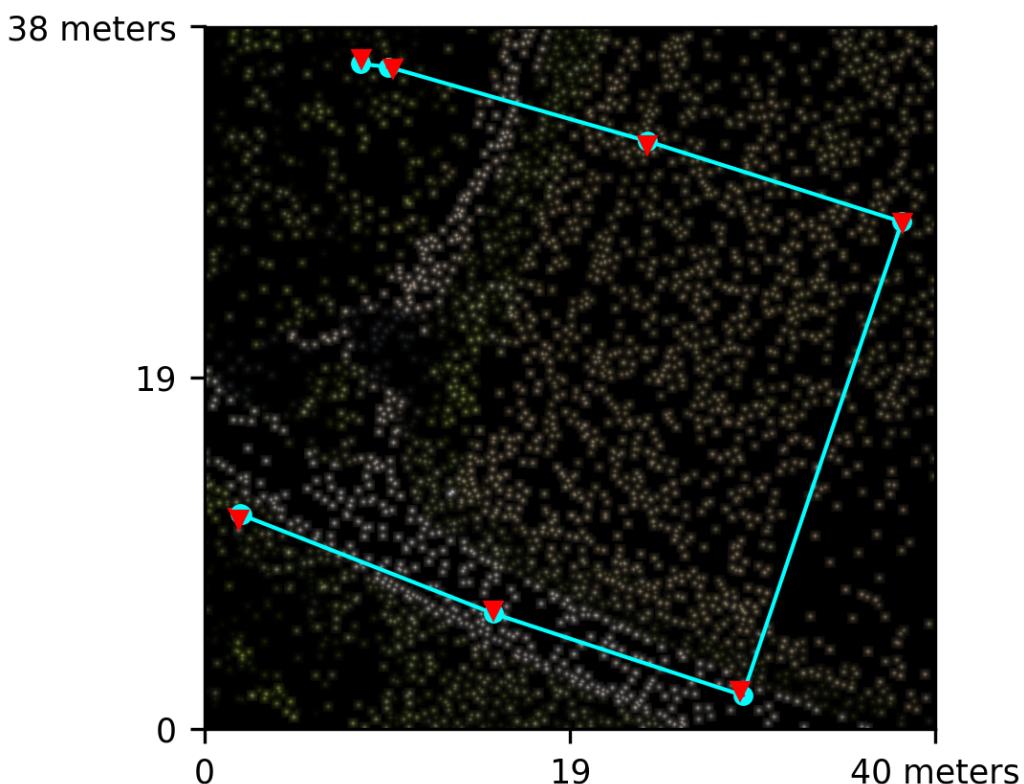
Processed with ODM version 3.4.0

Dataset Summary

| | |
|-----------------|--------------------------|
| Date | 14/03/2024 at 09:22:23 |
| Area Covered | 0.001532 km ² |
| Processing Time | 10.0m:6.0s |
| Capture Start | 12/06/2023 at 10:17:43 |
| Capture End | 12/06/2023 at 10:19:18 |

Processing Summary

| | |
|--|--------------------------------|
| Reconstructed Images | 8 over 11 shots (72.7%) |
| Reconstructed Points (Sparse) | 6816 over 11034 points (61.8%) |
| Reconstructed Points (Dense) | 628,062 points |
| Average Ground Sampling Distance (GSD) | 3.6 cm |
| Detected Features | 9,247 features |
| Reconstructed Features | 2,293 features |
| Geographic Reference | GPS |
| GPS errors | 0.33 meters |

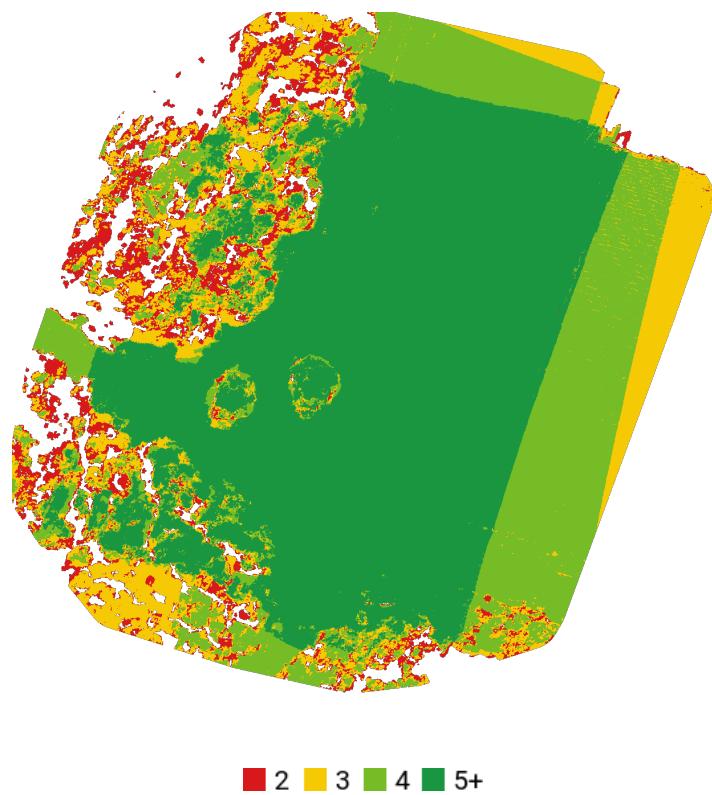


Previews



Orthophoto

Survey Data



■ 2 ■ 3 ■ 4 ■ 5+

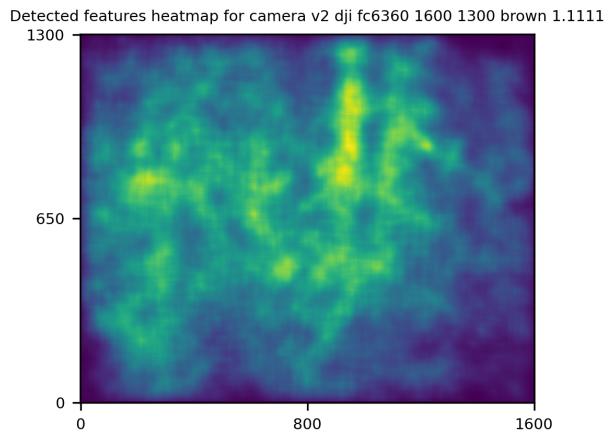
GPS/GCP/3D Errors Details

| GPS | Mean | Standard Deviation | RMS Error |
|------------------|--------|--------------------|-----------|
| X Error (meters) | 0.000 | 0.127 | 0.127 |
| Y Error (meters) | -0.001 | 0.205 | 0.205 |
| Z Error (meters) | -0.000 | 0.244 | 0.244 |
| Total | | | 0.327 |

| 3D | Mean | Standard Deviation | RMS Error |
|------------------|-------|--------------------|-----------|
| X Error (meters) | 0.030 | 0.068 | 0.075 |
| Y Error (meters) | 0.037 | 0.071 | 0.080 |
| Z Error (meters) | 0.137 | 0.271 | 0.304 |
| Total | | | 0.152 |

| | Absolute | Relative |
|-----------------------------------|----------|----------|
| Horizontal Accuracy CE90 (meters) | 0.302 | 0.104 |
| Vertical Accuracy LE90 (meters) | 0.394 | 0.360 |

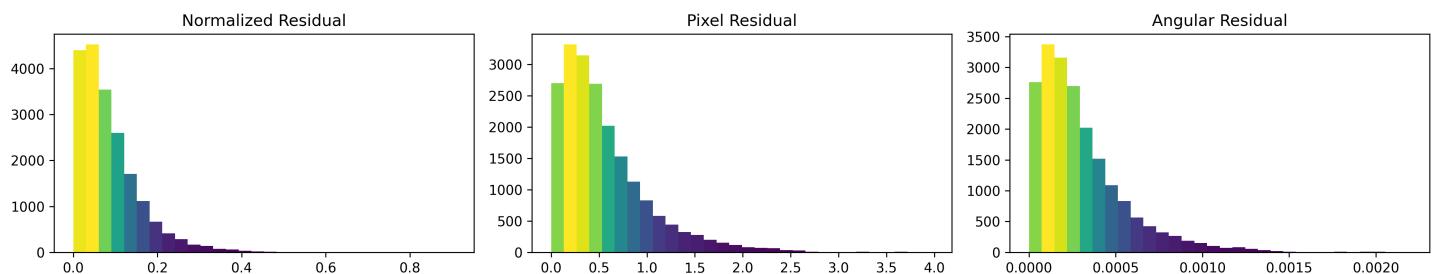
Features Details



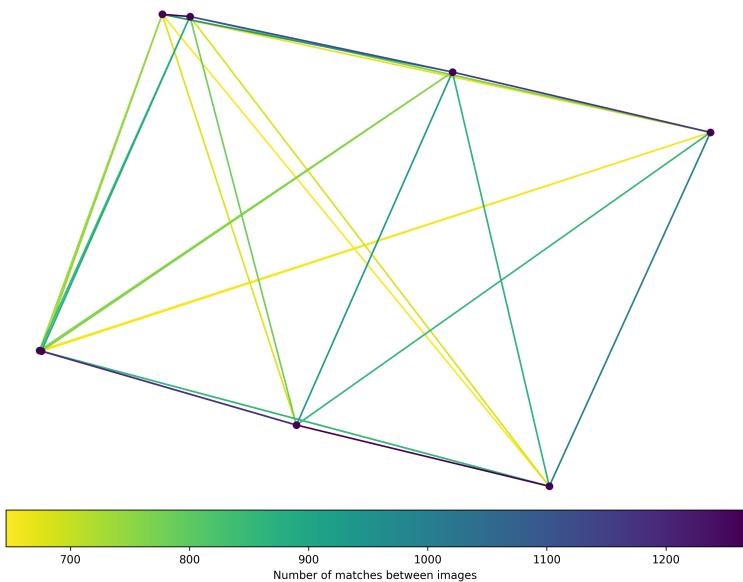
| | Min. | Max. | Mean | Median |
|---------------|------|------|------|--------|
| Detected | 8505 | 9739 | 9162 | 9247 |
| Reconstructed | 1925 | 3612 | 2493 | 2293 |

Reconstruction Details

| | |
|--|-----------------------|
| Average Reprojection Error (normalized / pixels / angular) | 0.09 / 0.55 / 0.00030 |
| Average Track Length | 2.93 images |
| Average Track Length (> 2) | 4.22 images |



Tracks Details



| Length | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|--------|------|------|-----|-----|-----|-----|-----|
| Count | 3969 | 1239 | 682 | 374 | 273 | 172 | 107 |

Camera Models Details

v2 dji fc6360 1600 1300 brown 1.1111

| | k1 | k2 | k3 | p1 | p2 | focal | aspect_ratio |) cy | |
|-----------|---------|---------|---------|---------|---------|--------|--------------|---------|---------|
| Initial | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 1.1111 | 1.0000 | 0.0000 | 0.0000 |
| Optimized | -0.0570 | -0.0121 | -0.0029 | -0.0038 | -0.0192 | 1.0901 | 1.0000 | -0.0197 | -0.0056 |

