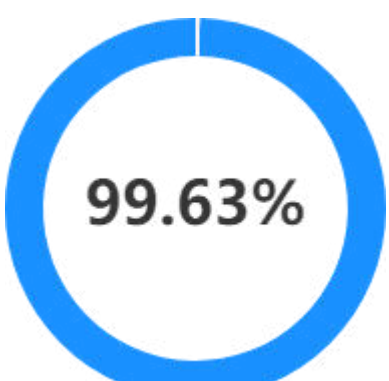


# DJI Terra Quality Report

V4.0.10 | 2024-05-21 13:30 | Mission: TALIÁNDÓRÓGD ROMTEMPLOM 3D

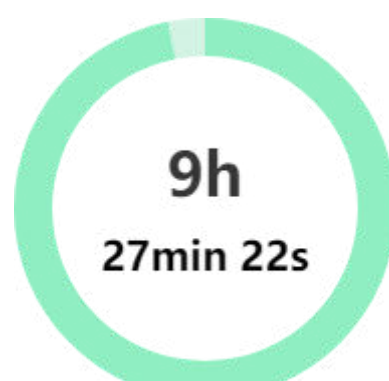
## Overview

### Proportion of Calibrated Images



Number of Images	1635
Image with Camera POS	1635
Calibrated Image	1629
Constrain with Image POS Data	Yes

### Total Consumption Time



Aerotriangulation	17min 38s
3D Reconstruction	9h 9min 44s

## Mission Parameters

### Flight Parameters

Average Flight Altitude	3.92 m
GSD	0.265 cm/px
TDOM Mapping Coverage	0.00552 km²
Color	3 bands, uint8

### Hardware Information Overview

CPU	Intel Xeon 12 cores
GPU Count	1
GPU 0	Quadro P4000
RAM	81569 M

## Quality Report for Aerotriangulation

### Reconstruction Accuracy

Connected Components	1
Max Components Images	1629
Projections	4093661
Tie Point	455707
Reprojection Error RMS	1.036 px
Georeferencing RMSE	0.5 m

### Reconstruction Parameters

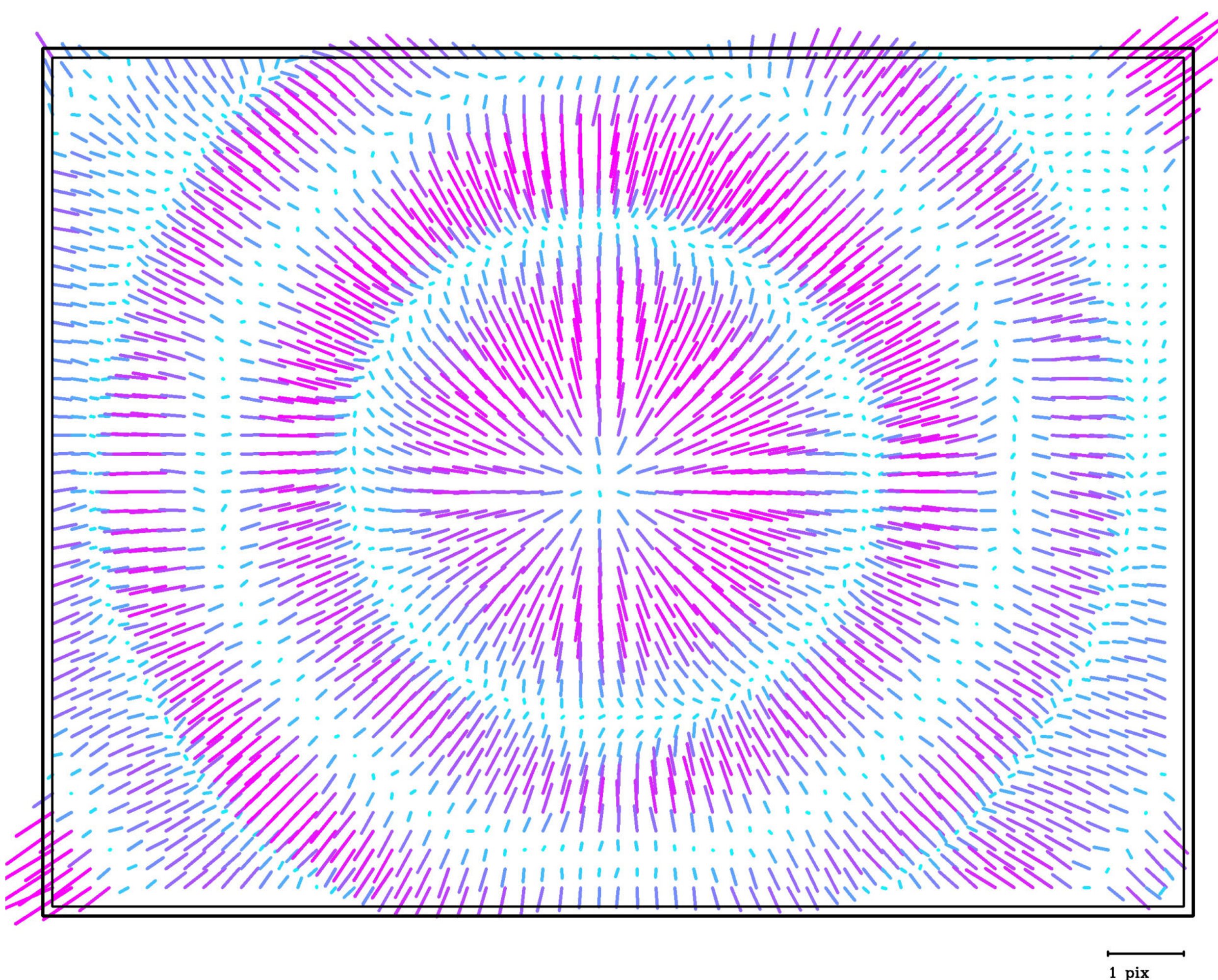
Computation Method	Standalone Computation
Feature Point Density	High
Distance to Ground/Subject	100 m
Generate XML File	Yes

## RTK Status

Status	Number of Images
Fix	1579
Floating	0
Single	8
Other	48

## Camera Calibration Information

### Image Residuals for Camera



### Camera Info

Camera Model	M3M
Camera SN	1581F5FKD23BF00E8112
Camera Type	Standard
Fix Camera Parameters	Not Fix
Photo Resolution	5280*3956
Pre-calibration	No
Number of Photos	1629

### Camera Parameters (Block 0)

Parameters	Focal Length	Cx	Cy	K1	K2	K3	P1	P2
Initial	3713.29	2647.02	1969.28	-0.11257524	0.01487443	-0.02706411	-0.00008572	0.0000001
Optimized	3722.086	2642.932	1954.929	-0.116508453	0.016089682	-0.025960584	-0.000104361	-0.000258465
Difference Value	8.796	-4.088	-14.351	-0.003933213	0.001215252	0.001103526	-0.000018641	-0.000258565

Parameters	Error	Focal Length	Cx	Cy	K1	K2	K3	P1	P2
Focal Length	0.016	1	-0.012	-0.045	-0.418	0.361	-0.32	0.047	-0.012
Cx	0.017	-0.035	1	-0.002	0	0	0	-0.011	0.402
Cy	0.02	-0.06	-0.02	1	0.001	0	0	0.289	0.009
K1	0.000015856	-0.42	-0.007	-0.001	1	-0.961	0.903	-0.022	-0.013
K2	0.0000389	0.361	0.002	0.012	-0.97	1	-0.98	0.018	0.014
K3	0.000028293	-0.339	0.004	-0.022	0.911	-0.986	1	-0.025	-0.009
P1	0.000000749	0.054	-0.021	0.338	-0.017	0.012	-0.014	1	-0.001
P2	0.000000706	0.013	0.459	0.005	0.001	0.003	-0.004	0.002	1

## Other Info

- Camera POS residuals are generated in the Report folder under the project file, and the default name of the file is "POS\_residual\_of\_camera.csv".

## Quality Report for 3D Reconstruction

### Block Overview

MVS Divide Mode	Auto
MVS Block Count	10

### Reconstruction Parameters

Mapping Scene	Normal
Resolution	High
Cluster Computation	No
Refine Water Surface	Yes
Reduce Model to	50%

### Output List

- XML
- PLY
- B3DM
- PNTS
- OBJ
- OSGB
- LAS
- PLY Point Cloud
- PCD
- S3MB
- S3MB Point Cloud
- I3S