Ribaue - Ontupaia 2

Captured: Oct 29, 2021, Processed: Nov 10, 2021

Map Details Summary ⓘ
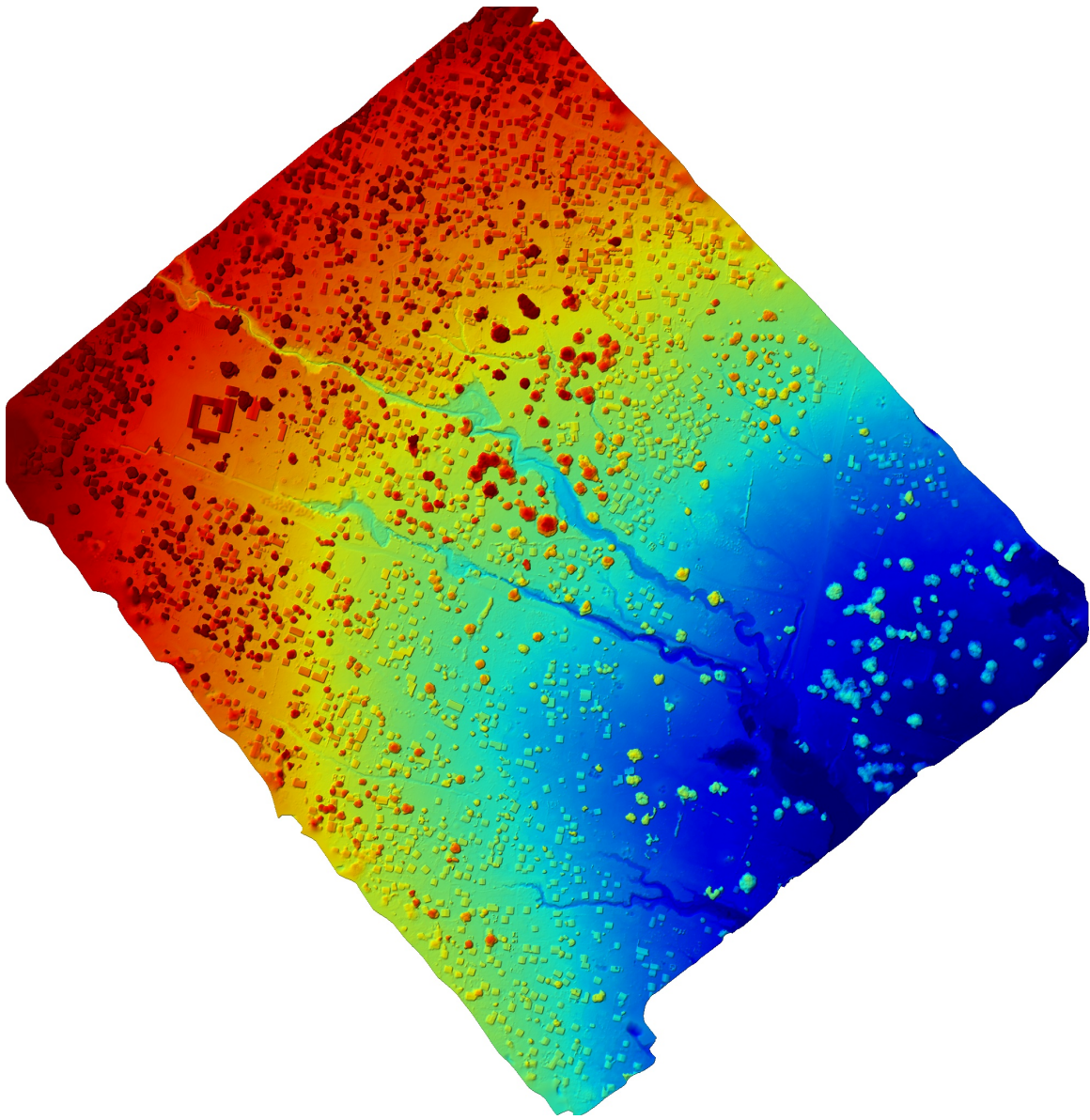
Project Name	Ribaue - Ontupaia 2
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Oct 29, 2021
Date Processed	Nov 10, 2021
GSD Orthomosaic (GSD DEM)	1.15in/px (**DEM** 4.59in/px)
Area Bounds (Coverage)	16738216.20ft^2 (50%)
Image Sensors	DJI - FC6310
Average GPS Trust	32.81ft

Quality & Accuracy Summary ⓘ

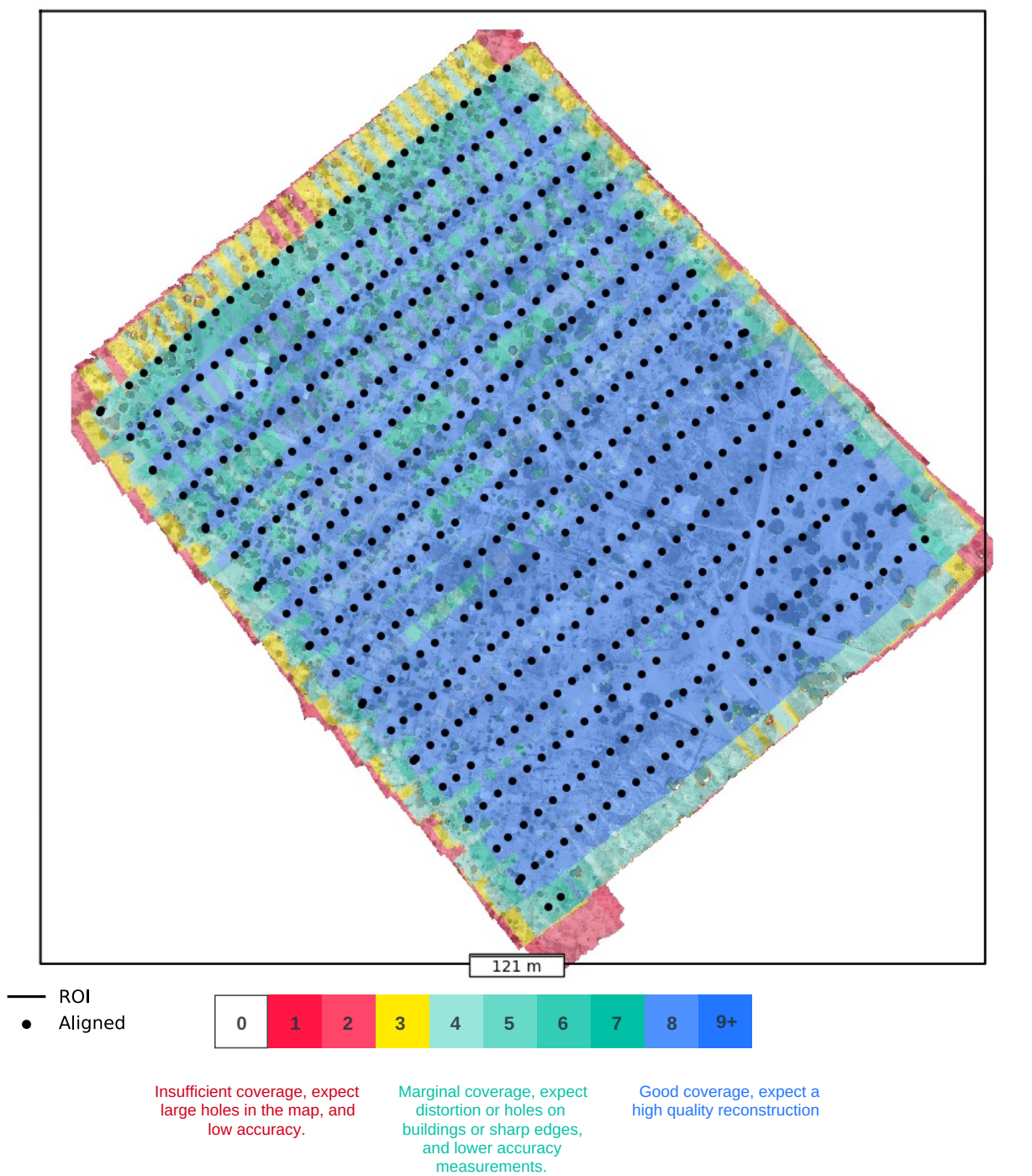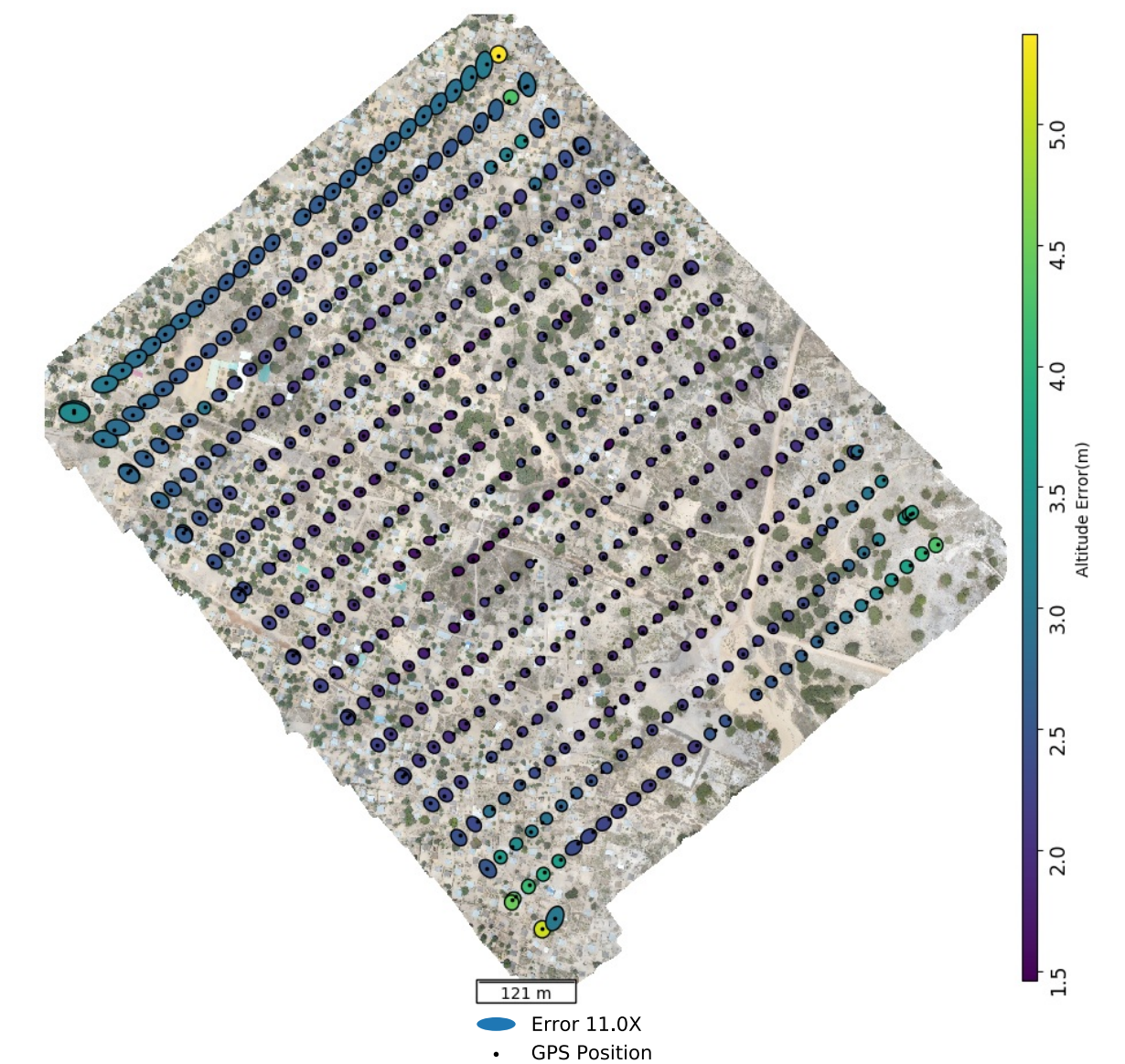|		
Image Quality		High texture images
Median Shutter Speed		1/500
Images Uploaded (Aligned %)		498 (100%)
Camera Optimization		0.01% variation from reference intrinsics

Dataset Quality Review

Orthomosaic Coverage ⓘ

ROI

● Aligned

0	1	2	3	4	5	6	7	8	9+

Insufficient coverage, expect large holes in the map, and low accuracy.

Marginal coverage, expect distortion or holes on buildings or sharp edges, and lower accuracy measurements.

Good coverage, expect a high quality reconstruction

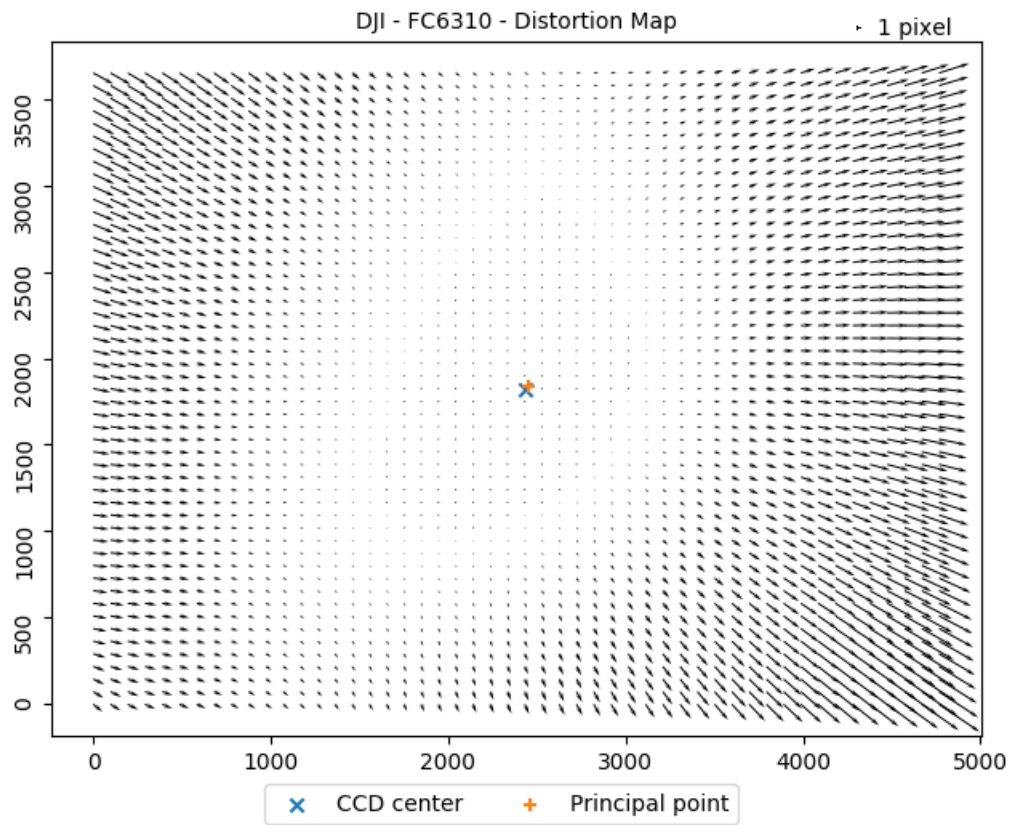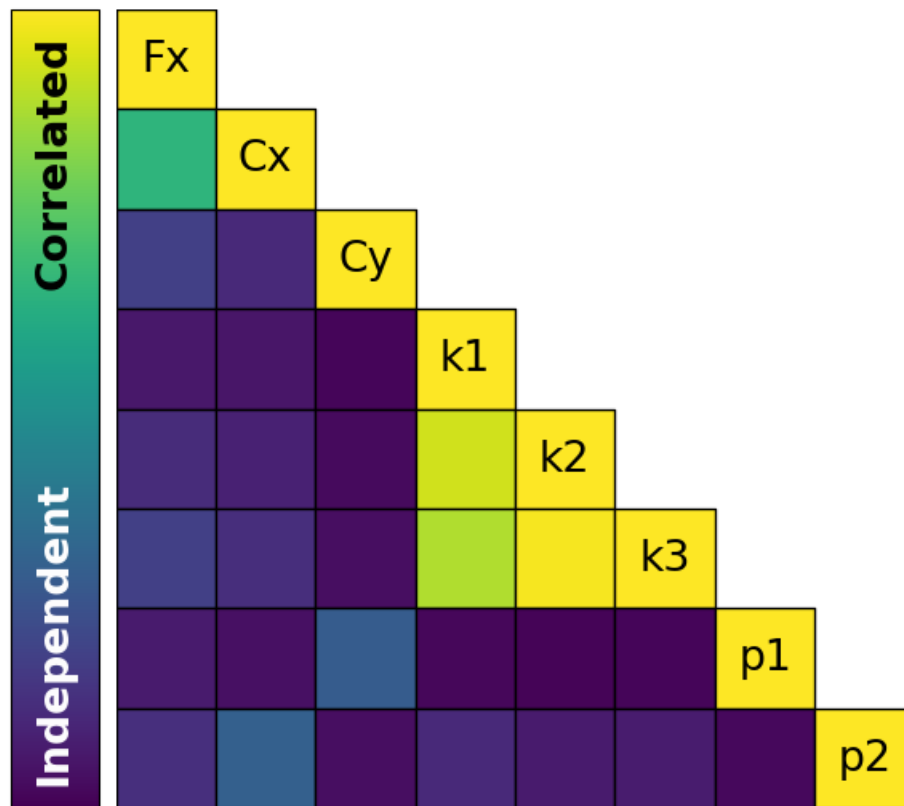|	
Sensor(s) Used	DJI - FC6310
Image Count (by sensor)	498
Image Resolution	4864x3648 (~18MP)
Orthomosaic coverage (% of area of interest)	50.70
Average Orthomosaic Image Density within Structured Area	9 images/pixel
Median Shutter Speed	1/500

Structure from Motion ⓘ

121 m

⬭ Error 11.0X
· GPS Position

Altitude Error(m)

Aligned Cameras		100% 498/498
RMSE of Camera GPS Location		**X** 10.93ft **Y** 9.26ft **Z** 5.83ft **RMSE** 8.93ft

Camera Calibration ⓘ

Camera Optimization		0.01% variation from reference intrinsics

DJI - FC6310 - Distortion Map

	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	3645.42	2451.15	1838.27	0.00545929	-0.0160128	0.0158406	-0.000563718	0.00126786
Error	1.52709	0.130038	0.0902275	0.319531	1.0144	1.01341	0.0155338	0.0191859

Densification and Meshing ⓘ

Processing Mode Quality		High
Nadir Images		100% Include oblique or horizontal images to improve reconstructions of man-made structures.
Oblique images		0%
Horizontal images		0%
Total Points		29.6 million
Point Cloud Density		3.49 points/ft^2
Mesh Triangles		4.0 million

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	**DEM** 4.59in/px
Relative/Absolute	Absolute Altitude

72.4m 75.6m 78.8m 82.0m 85.2m 88.4m 91.6m 94.8m 98.0m 101.1m 104.3m