Ribaue - Ribaue

Captured: Oct 27, 2021, Processed: Nov 10, 2021
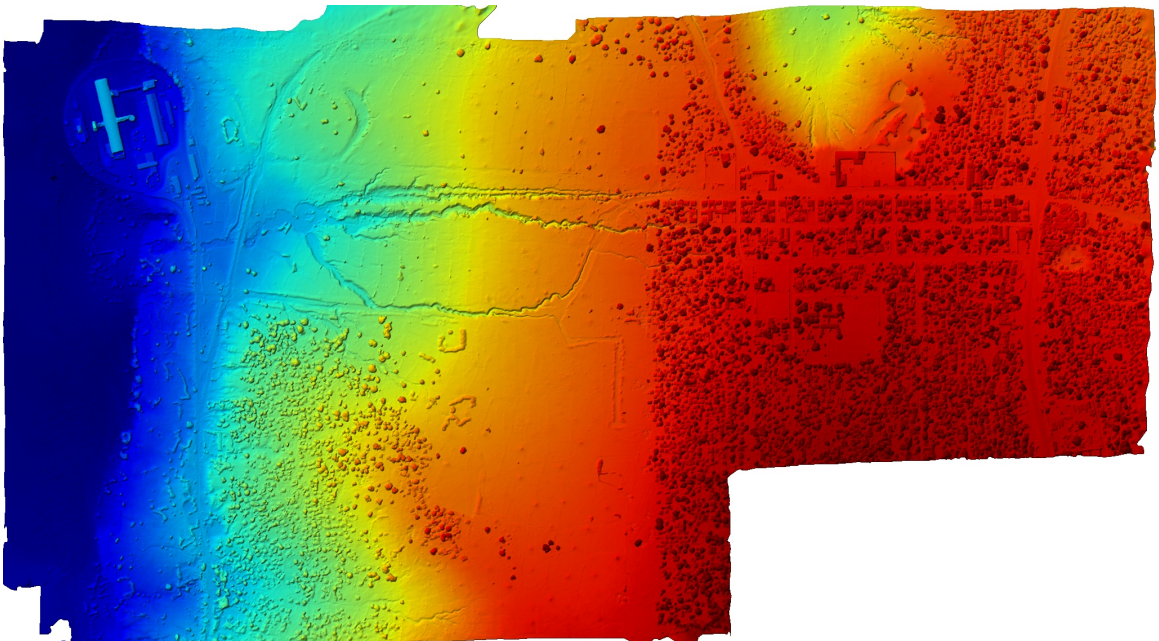
Map Details Summary ⓘ

Project Name	Ribaue - Ribaue
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Oct 27, 2021
Date Processed	Nov 10, 2021
GSD Orthomosaic (GSD DEM)	1.65in/px (**DEM** 6.58in/px)
Area Bounds (Coverage)	39915900.62ft^2 (82%)
Image Sensors	DJI - FC6310
Average GPS Trust	32.81ft

Quality & Accuracy Summary ⓘ

| Image Quality		High texture images
Median Shutter Speed		1/320
Images Uploaded (Aligned %)		1546 (100%)
Camera Optimization		0.01% variation from reference intrinsics

Preview ⓘ

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
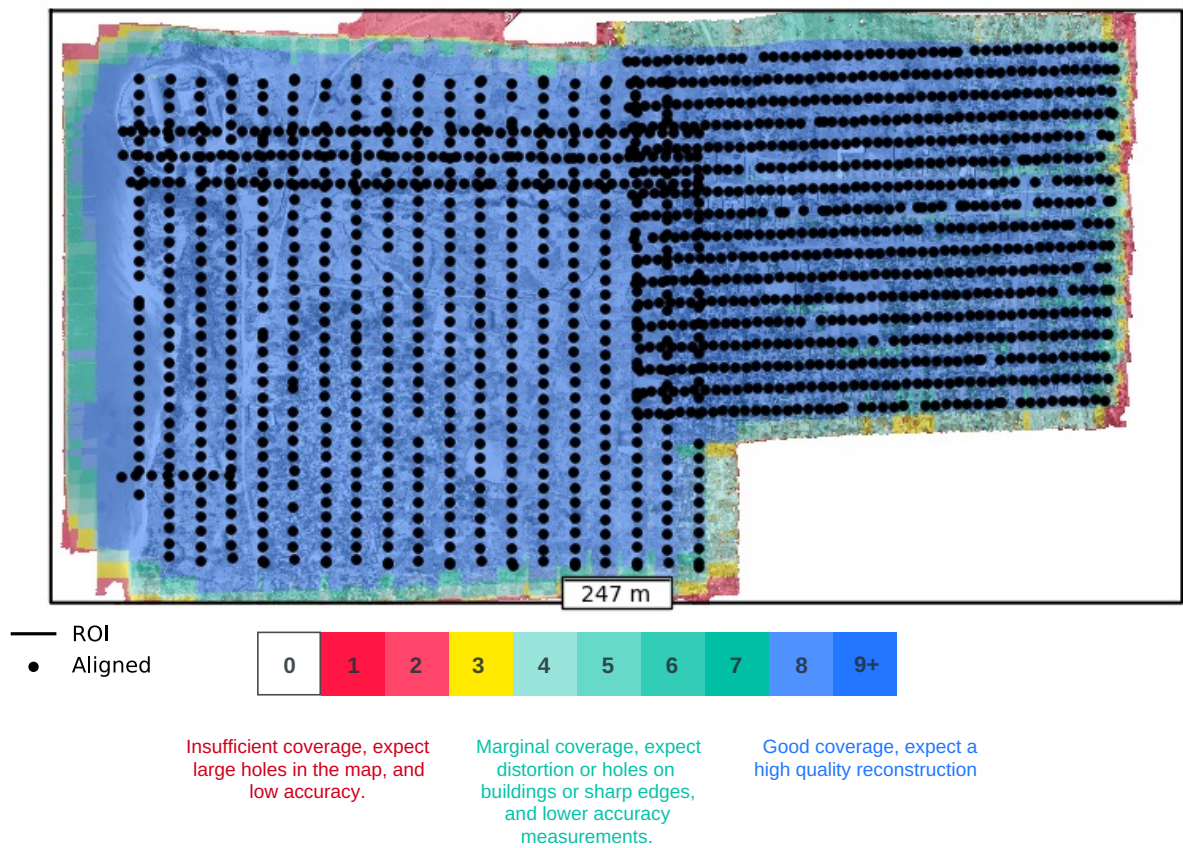
| Sensor(s) Used		DJI - FC6310
Image Count (by sensor)		1546
Image Resolution		4864x3648 (~18MP)
Orthomosaic coverage (% of area of interest)		82.48
Average Orthomosaic Image Density within Structured Area		16 images/pixel
Median Shutter Speed		1/320

Structure from Motion ⓘ

247 m

● Error 16.0X
· GPS Position

Altitude Error(m): 1.00 1.25 1.50 1.75 2.00 2.25 2.50 2.75 3.00
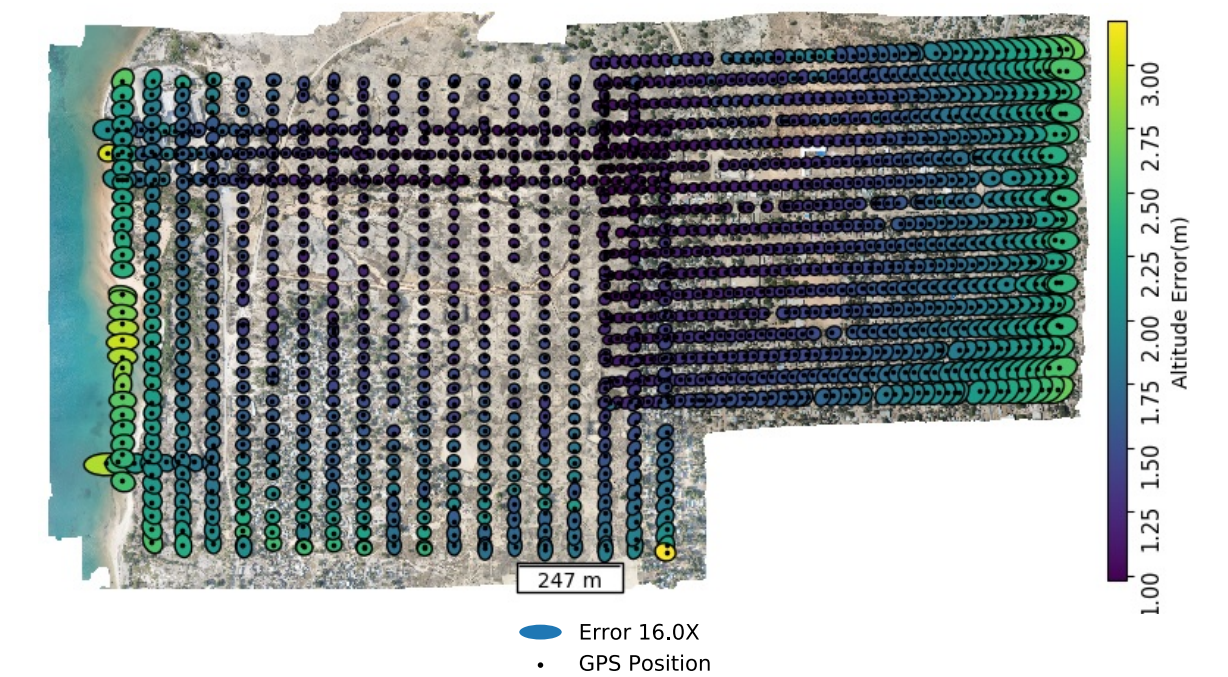
Aligned Cameras		100% 1546/1546
RMSE of Camera GPS Location		**X** 14.19ft **Y** 14.53ft **Z** 17.84ft **RMSE** 15.60ft

Camera Calibration ⓘ

Camera Optimization		0.01% variation from reference intrinsics

DJI - FC6310 - Distortion Map
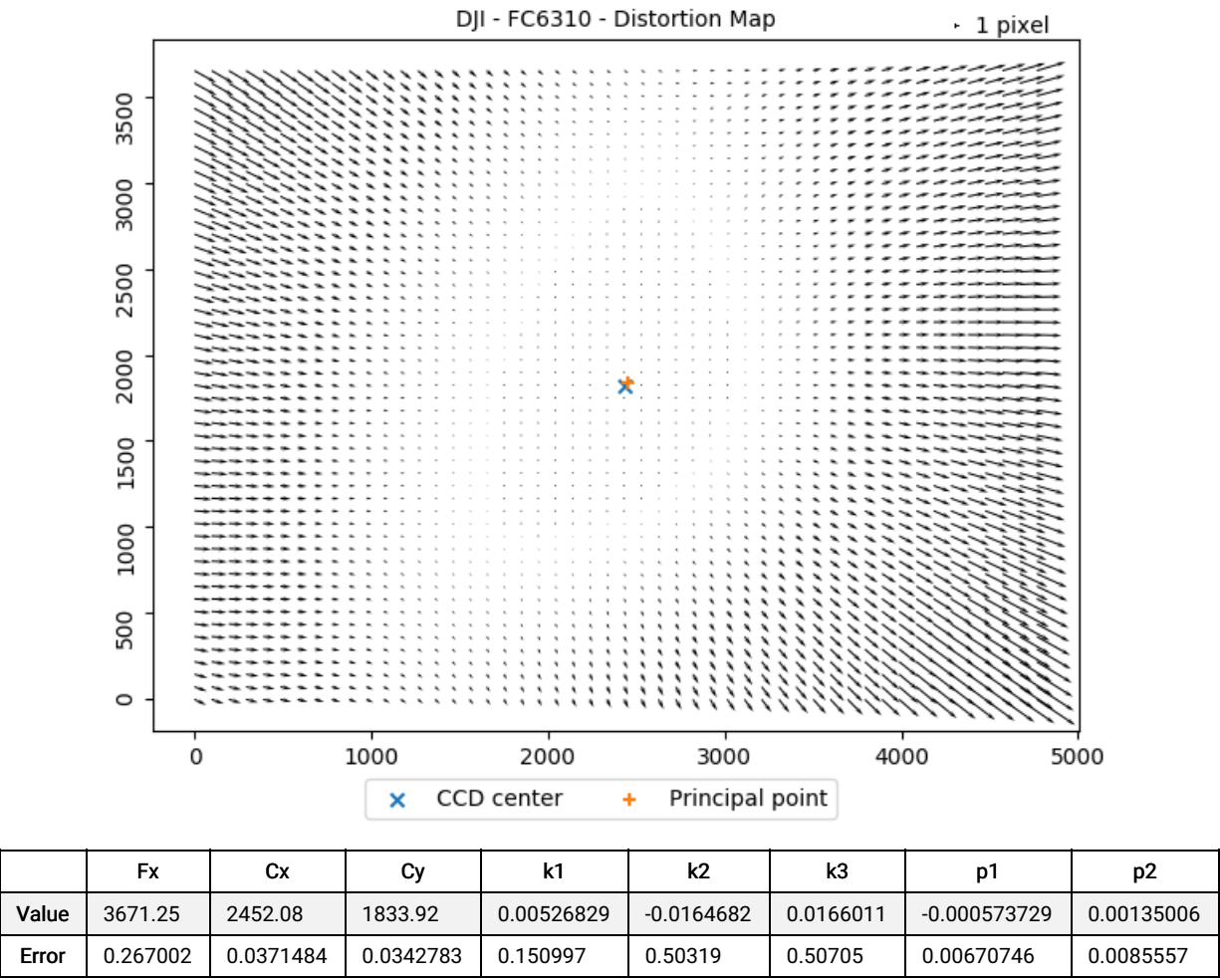
	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	3671.25	2452.08	1833.92	0.00526829	-0.0164682	0.0166011	-0.000573729	0.00135006
Error	0.267002	0.0371484	0.0342783	0.150997	0.50319	0.50705	0.00670746	0.0085557
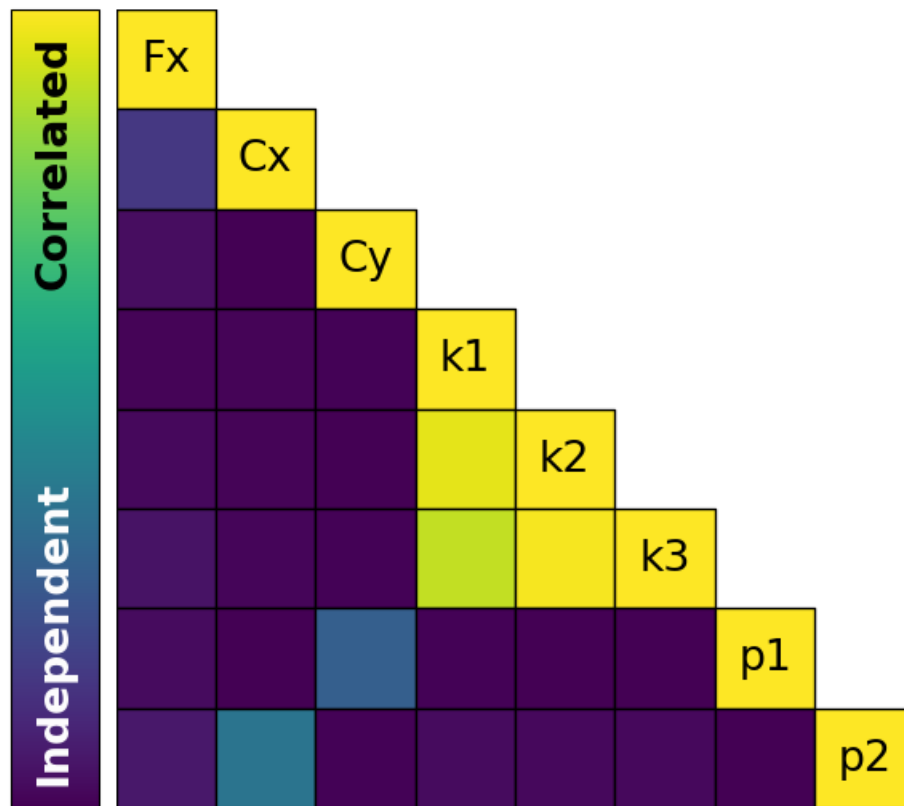
Densification and Meshing ⓘ

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		64.5 million
Point Cloud Density		1.96 points/ft^2
Mesh Triangles		4.0 million

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	**DEM** 6.58in/px
Relative/Absolute	Relative Altitude vs Drone takeoff