

# Ribaue - Ontupaia 1



Captured: Oct 28, 2021, Processed: Nov 10, 2021

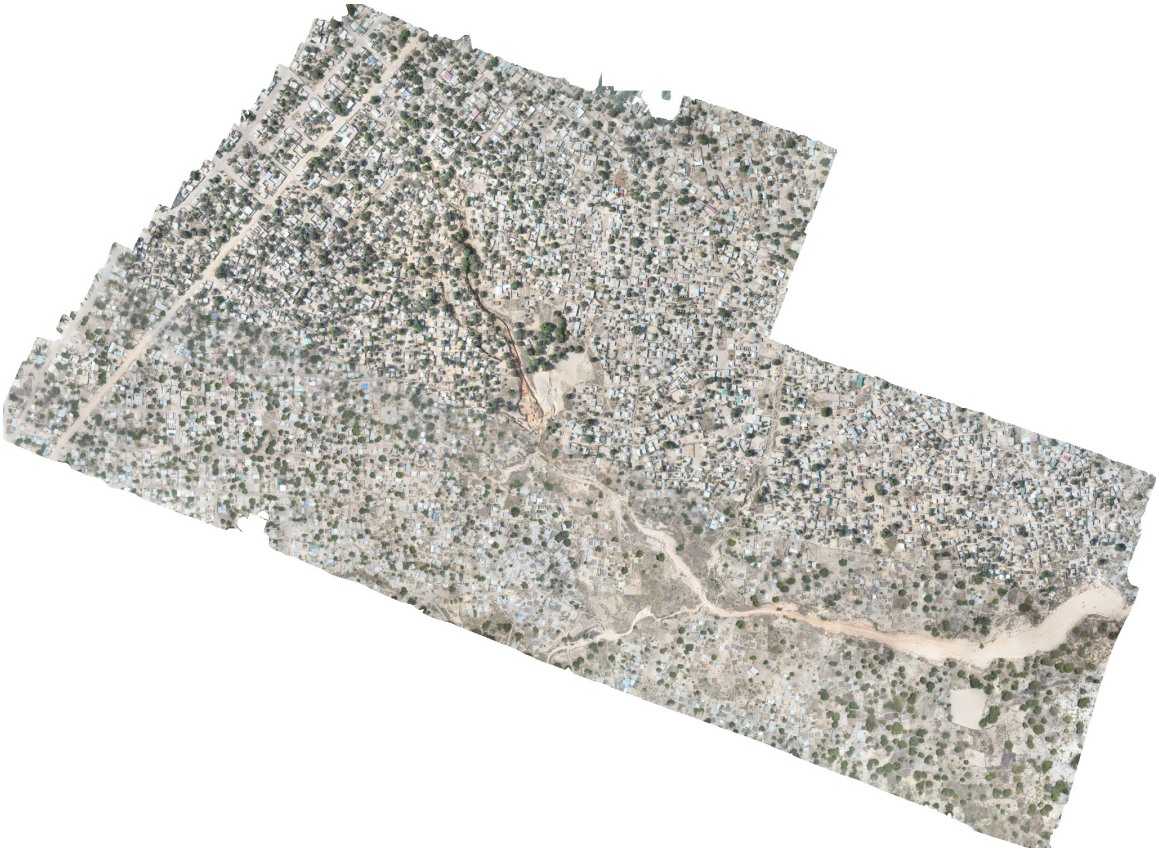
## Map Details Summary ⓘ

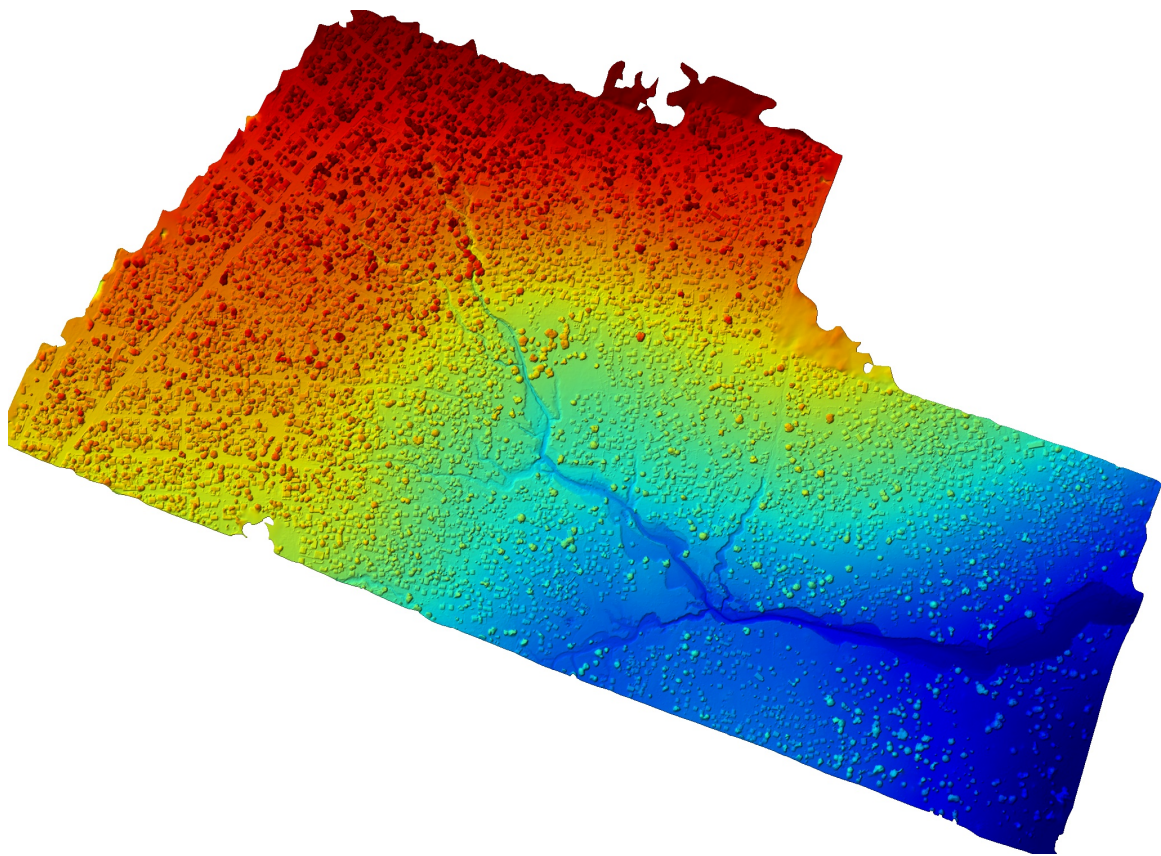
Project Name	Ribaue - Ontupaia 1
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Oct 28, 2021
Date Processed	Nov 10, 2021
GSD Orthomosaic (GSD DEM)	1.27in/px (DEM 5.07in/px)
Area Bounds (Coverage)	36525685.93ft <sup>2</sup> (48%)
Image Sensors	DJI - FC6310
Average GPS Trust	32.81ft

## Quality & Accuracy Summary ⓘ

Image Quality	High texture images
Median Shutter Speed	1/320
Images Uploaded (Aligned %)	1027 (100%)
Camera Optimization	0.01% variation from reference intrinsics

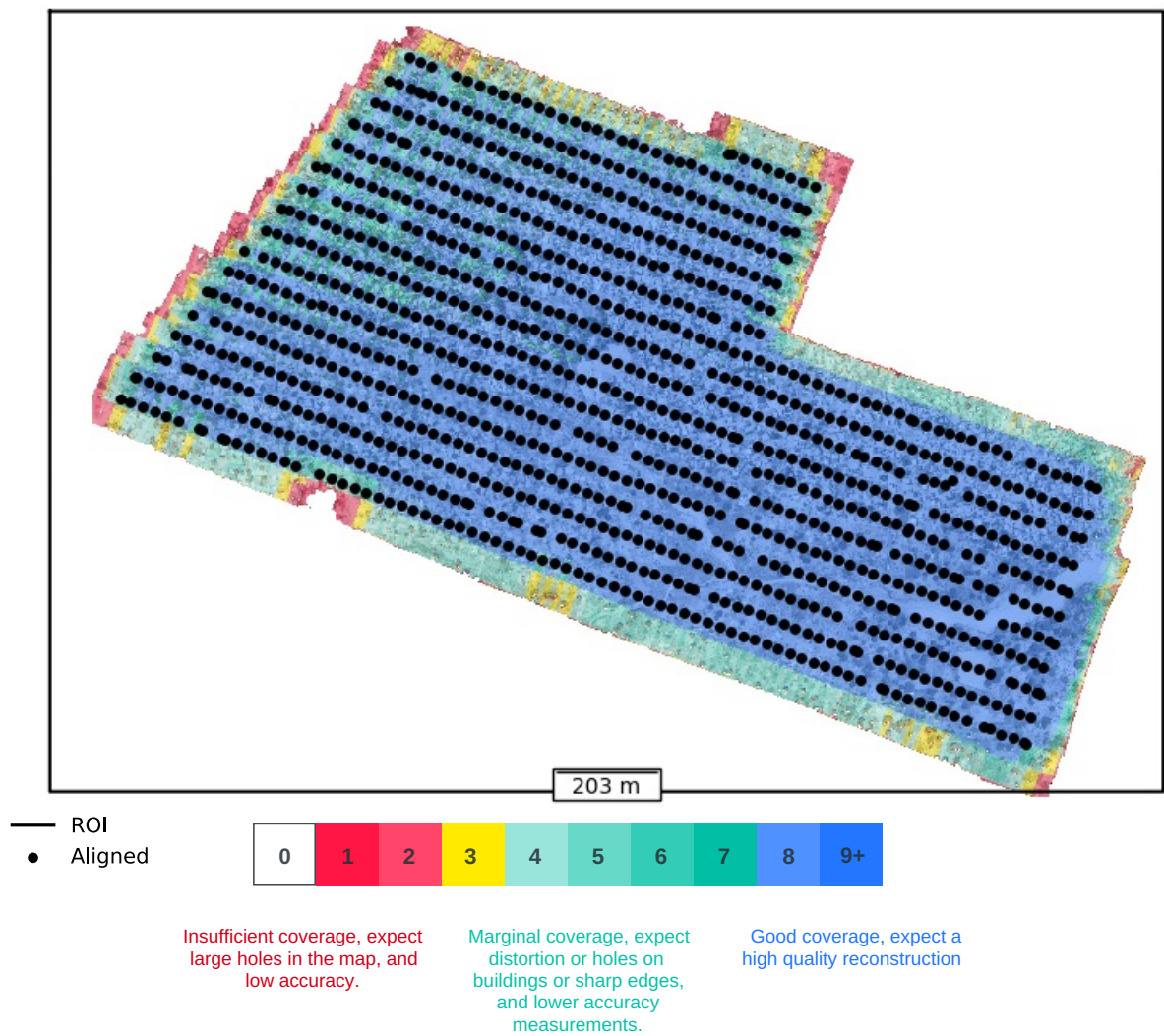
Preview ⓘ





# Dataset Quality Review

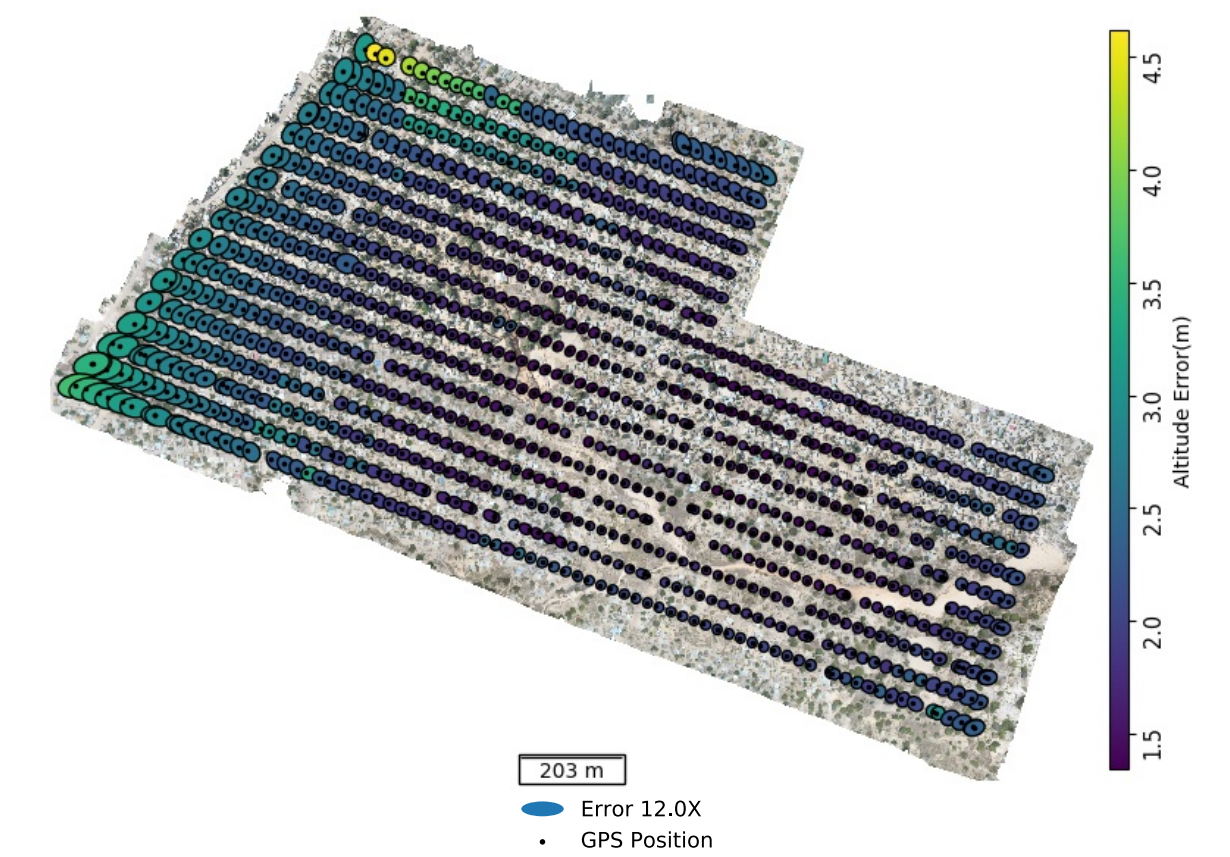
## Orthomosaic Coverage ⓘ



Sensor(s) Used	DJI - FC6310
Image Count (by sensor)	1027
Image Resolution	4864x3648 (~18MP)
Orthomosaic coverage (% of area of interest)	48.00
Average Orthomosaic Image Density within Structured Area	12 images/pixel
Median Shutter Speed	1/320



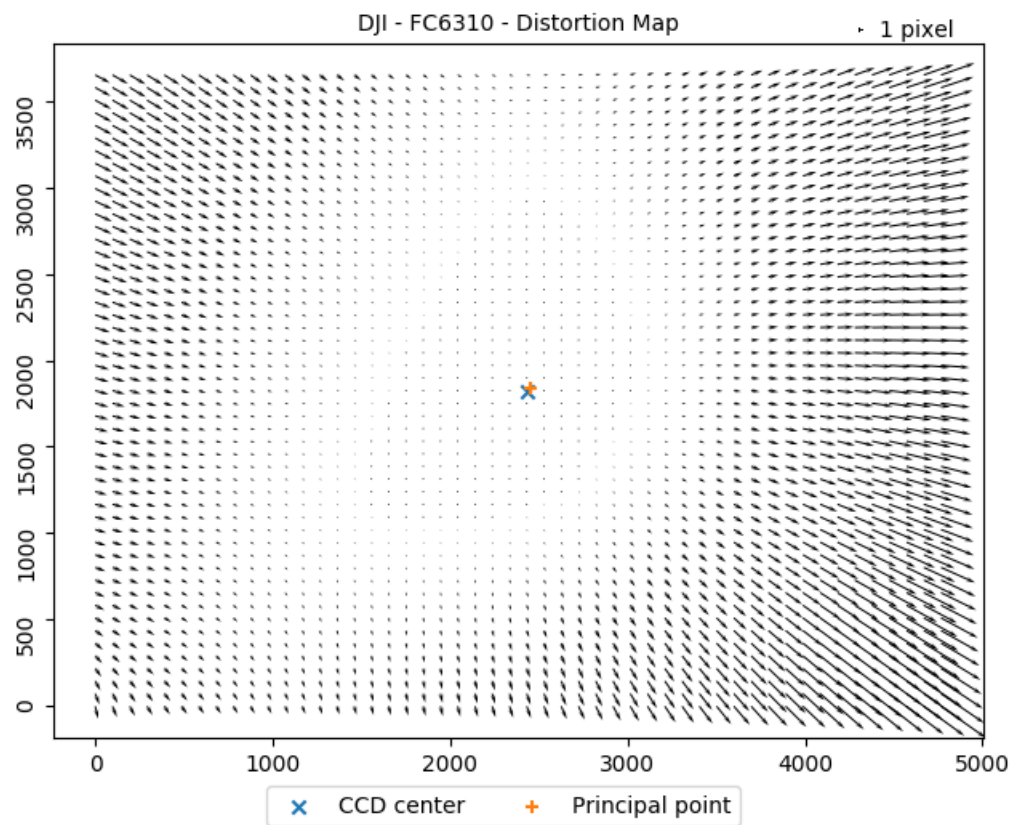
Structure from Motion *i*



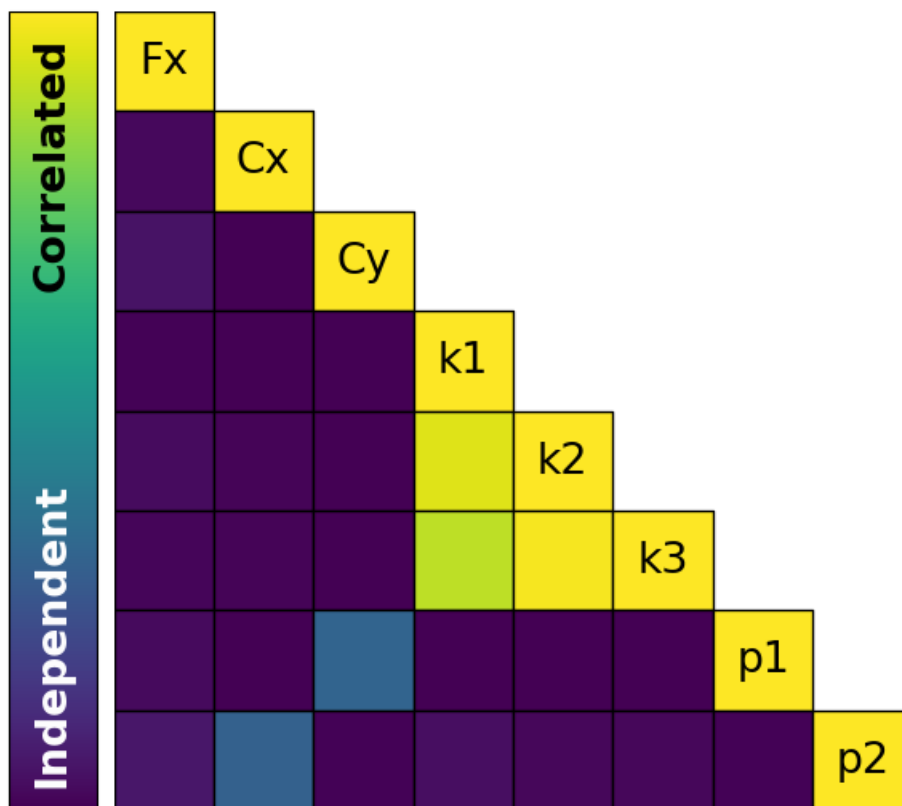
Aligned Cameras	100% 1027/1027
RMSE of Camera GPS Location	X 13.82ft Y 6.24ft Z 14.28ft RMSE 12.02ft

Camera Calibration *i*

Camera Optimization	0.01% variation from reference intrinsics
---------------------	---



	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	3662.88	2451.19	1833.92	0.00668201	-0.0180454	0.0178567	-0.000608034	0.00120298
Error	0.25044	0.0680515	0.0605888	0.213471	0.720486	0.72856	0.0105214	0.0127711



## Densification and Meshing <sup>(i)</sup>

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	60.9 million
Point Cloud Density	3.47 points/ft <sup>2</sup>
Mesh Triangles	4.0 million

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	DEM 5.07in/px
Relative/Absolute	Relative Altitude vs Drone takeoff

