

Dr Moore- Rhino Beetles-Yona - Map #1



Captured: Mar 29, 2023, Processed: Mar 29, 2023

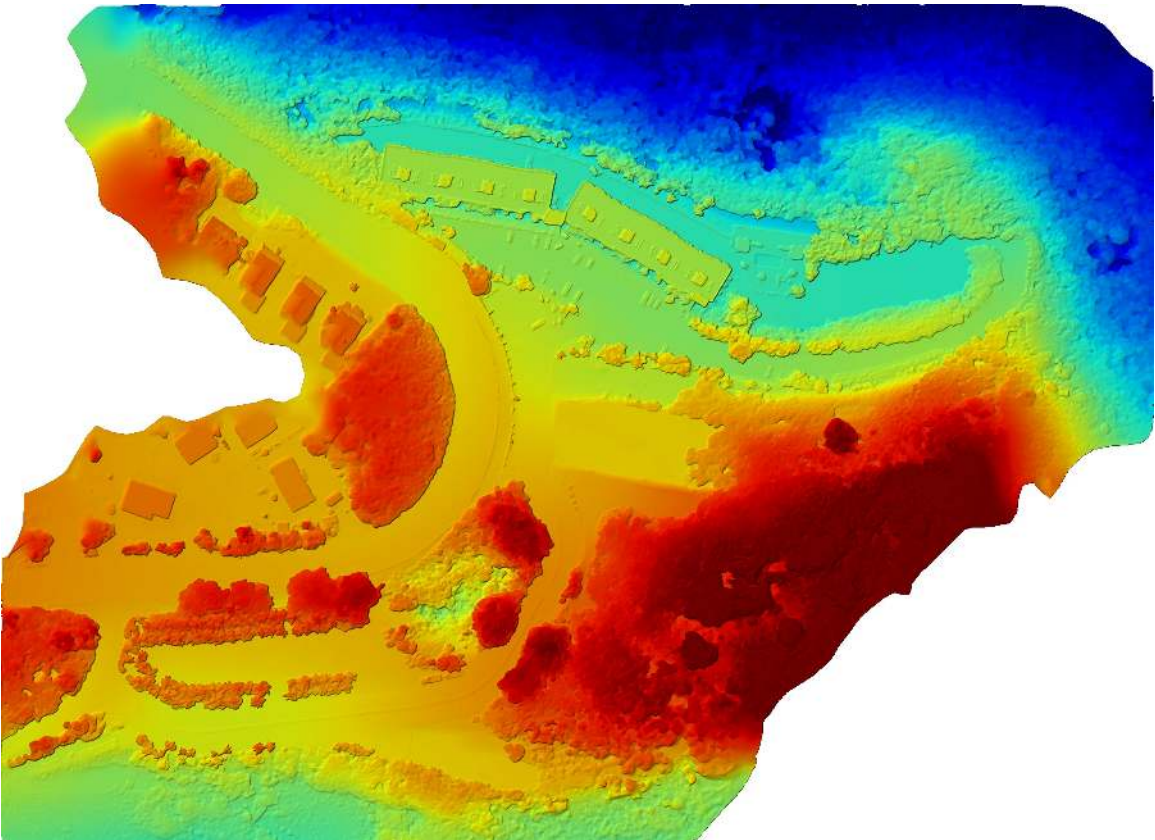
Map Details Summary ⓘ

Project Name	Dr Moore- Rhino Beetles-Yona - Map #1
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Mar 29, 2023
Date Processed	Mar 29, 2023
GSD Orthomosaic (GSD DEM)	0.57in/px (DEM 2.28in/px)
Area Bounds (Coverage)	1685298.31ft ² (79%)
Image Sensors	DJI - ZenmuseP1
Average GPS Trust	0.07ft

Quality & Accuracy Summary ⓘ

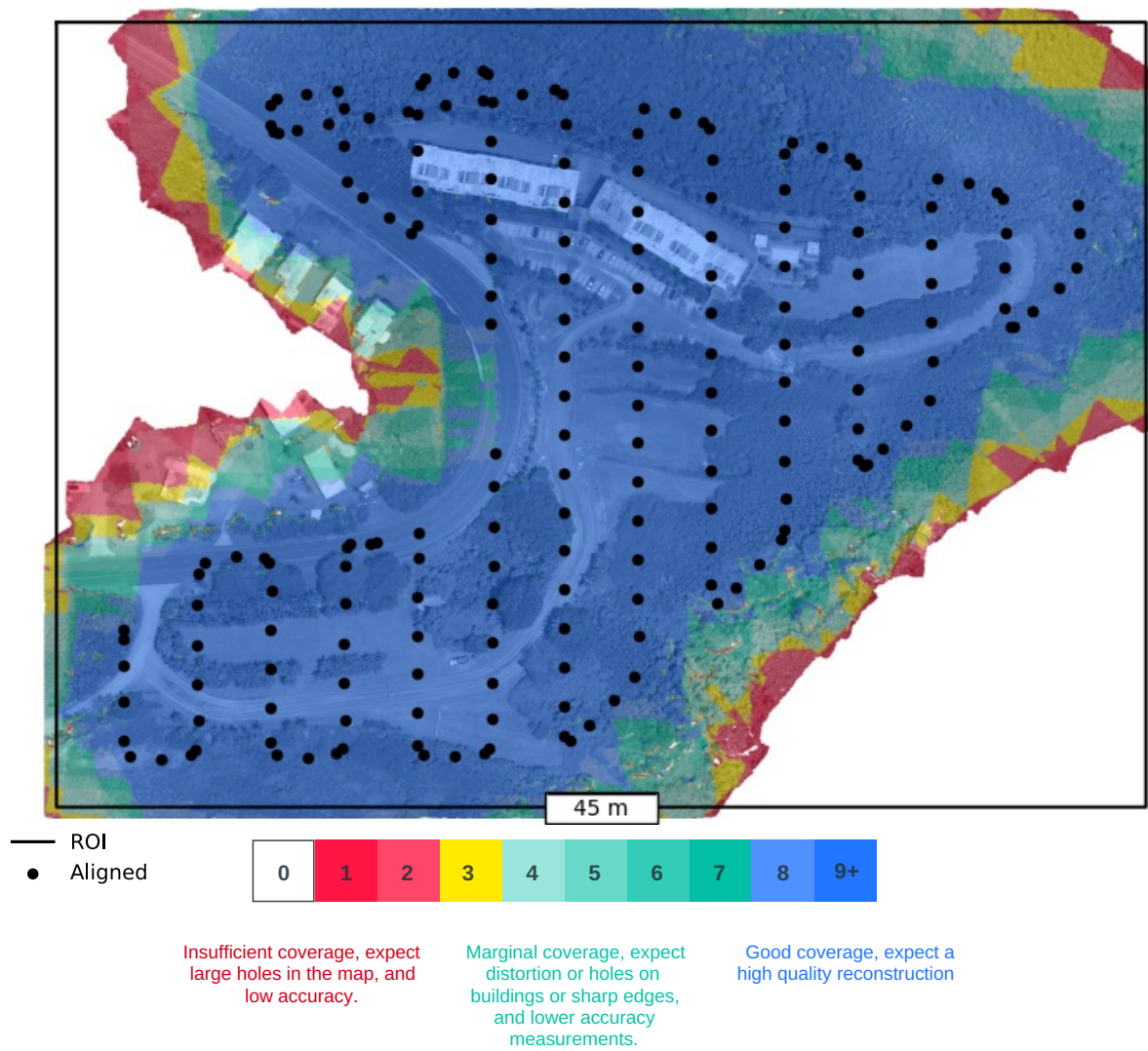
Image Quality	High texture images
Median Shutter Speed	1/500
Images Uploaded (Aligned %)	196 (100%)
Camera Optimization	0.02% variation from reference intrinsics

Preview ⓘ



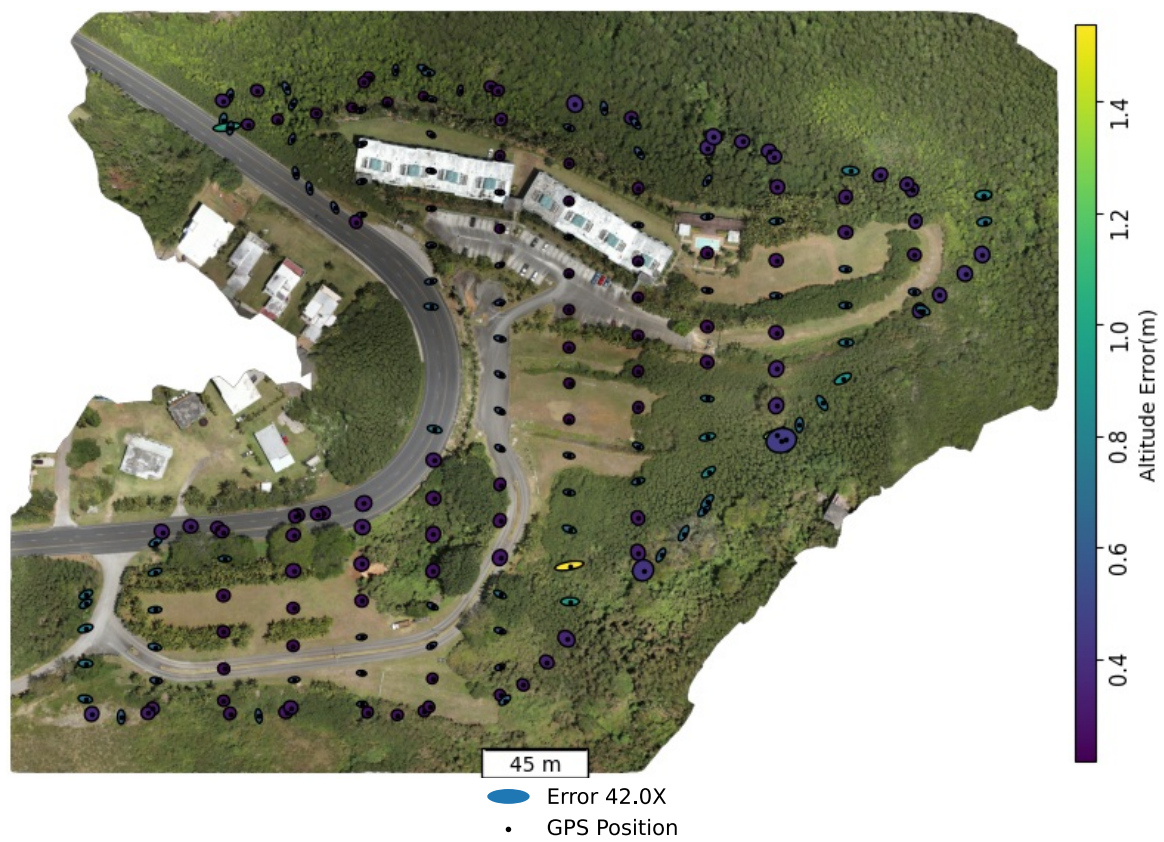
Dataset Quality Review

Orthomosaic Coverage (i)



Sensor(s) Used	DJI - ZenmuseP1
Image Count (by sensor)	196
Image Resolution	8192x5460 (~45MP)
Orthomosaic coverage (% of area of interest)	79.44
Average Orthomosaic Image Density within Structured Area	13 images/pixel
Median Shutter Speed	1/500

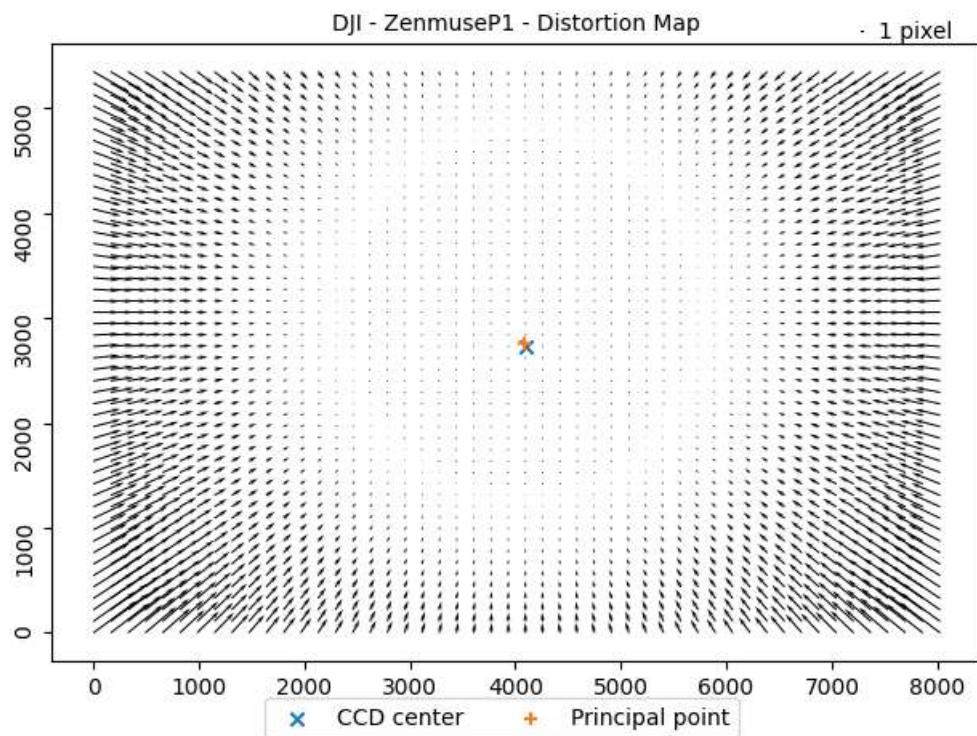
Structure from Motion ⓘ



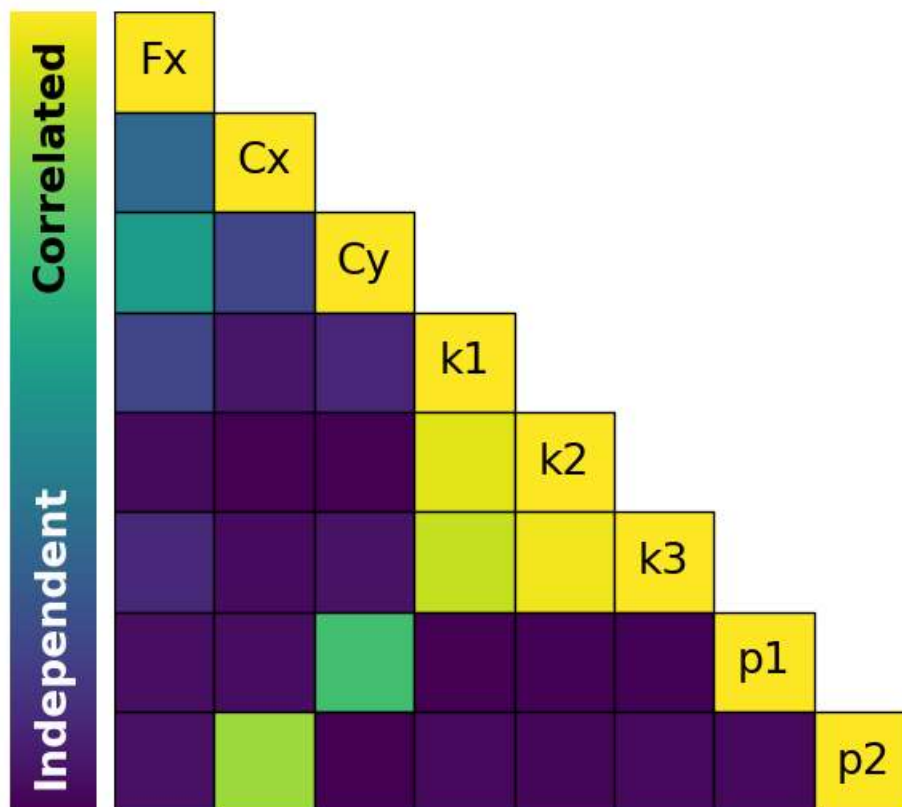
Aligned Cameras	100% 196/196
RMSE of Camera GPS Location	X 0.03ft Y 0.02ft Z 0.02ft RMSE 0.02ft

Camera Calibration ⓘ

Camera Optimization	0.02% variation from reference intrinsics
---------------------	---



	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	8164.87	4082.38	2759.5	-0.0475203	0.0187761	-0.0957519	0.00165154	-0.000181037
Error	2.09571	0.121078	0.1002	0.931558	5.67803	10.6066	0.0269333	0.0358469

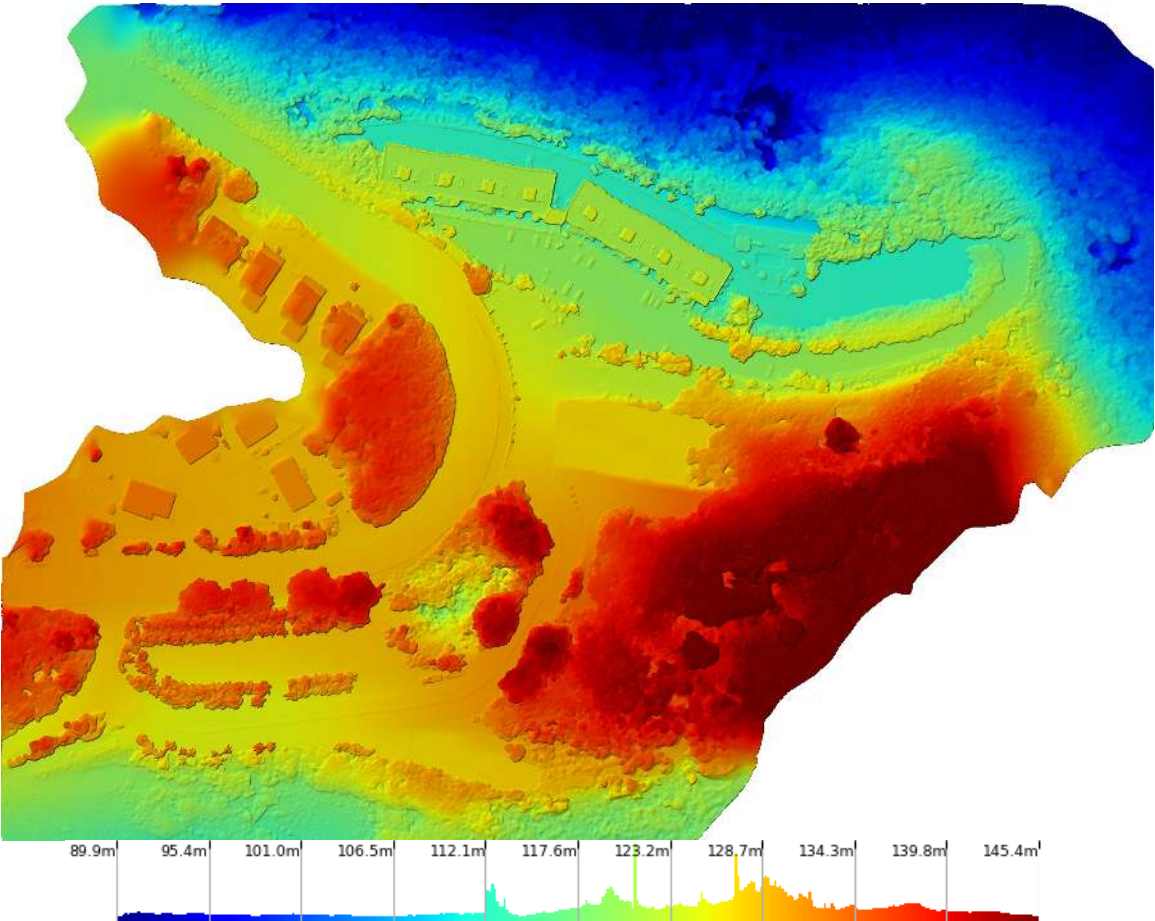


Densification and Meshing *i*

Nadir Images	100% Include oblique or horizontal images to improve reconstructions of man-made structures.
Oblique images	0%
Horizontal images	0%
Total Points	11.3 million
Point Cloud Density	8.40 points/ft ²
Mesh Triangles	2.0 million

Digital Elevation Model *i*

Mode	Generated from Mesh
DEM GSD	DEM 2.28in/px
Relative/Absolute	Absolute Altitude



DroneDeploy

This map and report was produced with proprietary cloud photogrammetry software from DroneDeploy. [Provide feedback to improve this report](#)