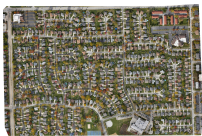


25-0111 Catalina 2025 - Map #1

Captured: Nov 06, 2025, Processed: Nov 08, 2025



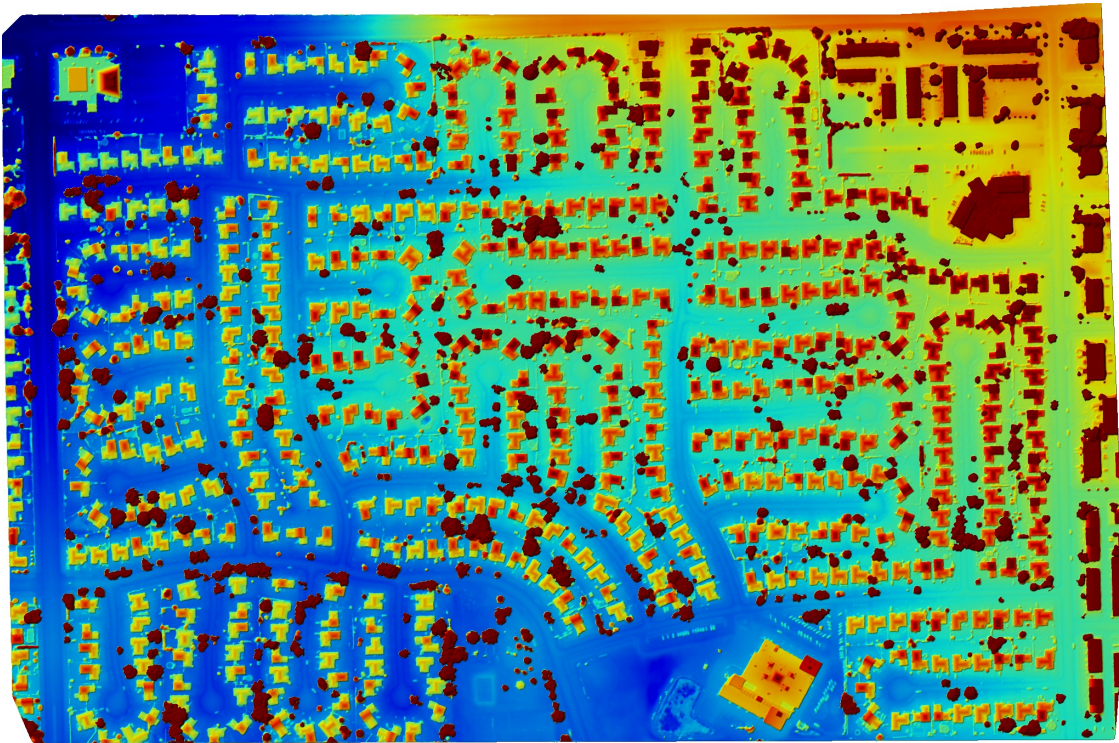
Map Details Summary ⓘ

Project Name	25-0111 Catalina 2025 - Map #1
Photogrammetry Engine	DroneDeploy Proprietary
Processing Mode	Standard
Date Of Capture	Nov 06, 2025
Date Processed	Nov 08, 2025
GSD Orthomosaic (GSD DEM)	0.58in/px (DEM 2.31in/px)
Area Bounds (Coverage)	9184274.17ft ² (99%)
Image Sensors	SONY - ILX-LR1
Average GPS Trust	0.10ft
Automatic elevation calibration	+109.35ft from EPSG 9229: NAVD88 height GEOID18

Quality & Accuracy Summary ⓘ

Image Quality	High texture images
Median Shutter Speed	1/1600
Images Uploaded (Aligned %)	2024 (100%)
Camera Optimization	0.04% variation from reference intrinsics

Preview ⓘ

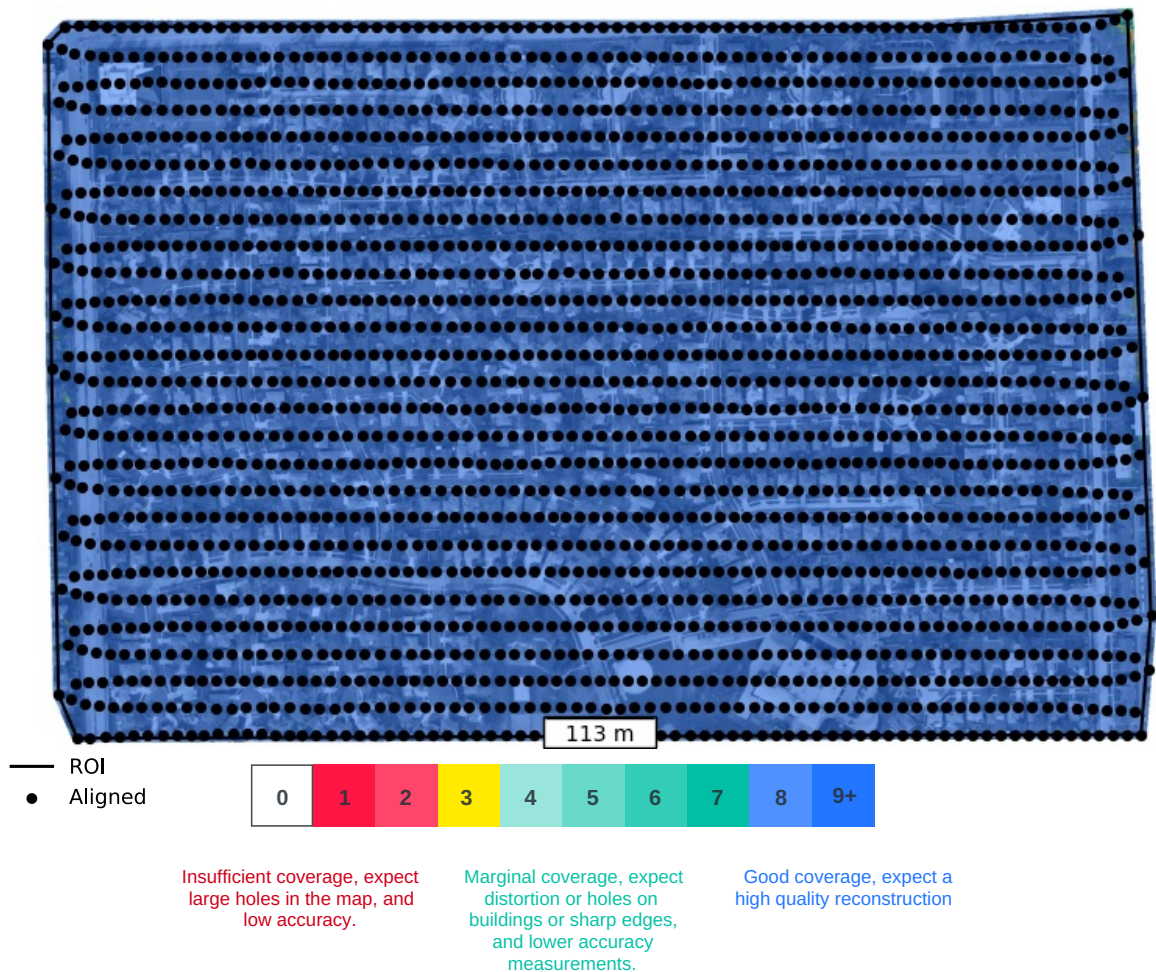


Dataset Quality Review

Input GPS Uncertainty ⓘ

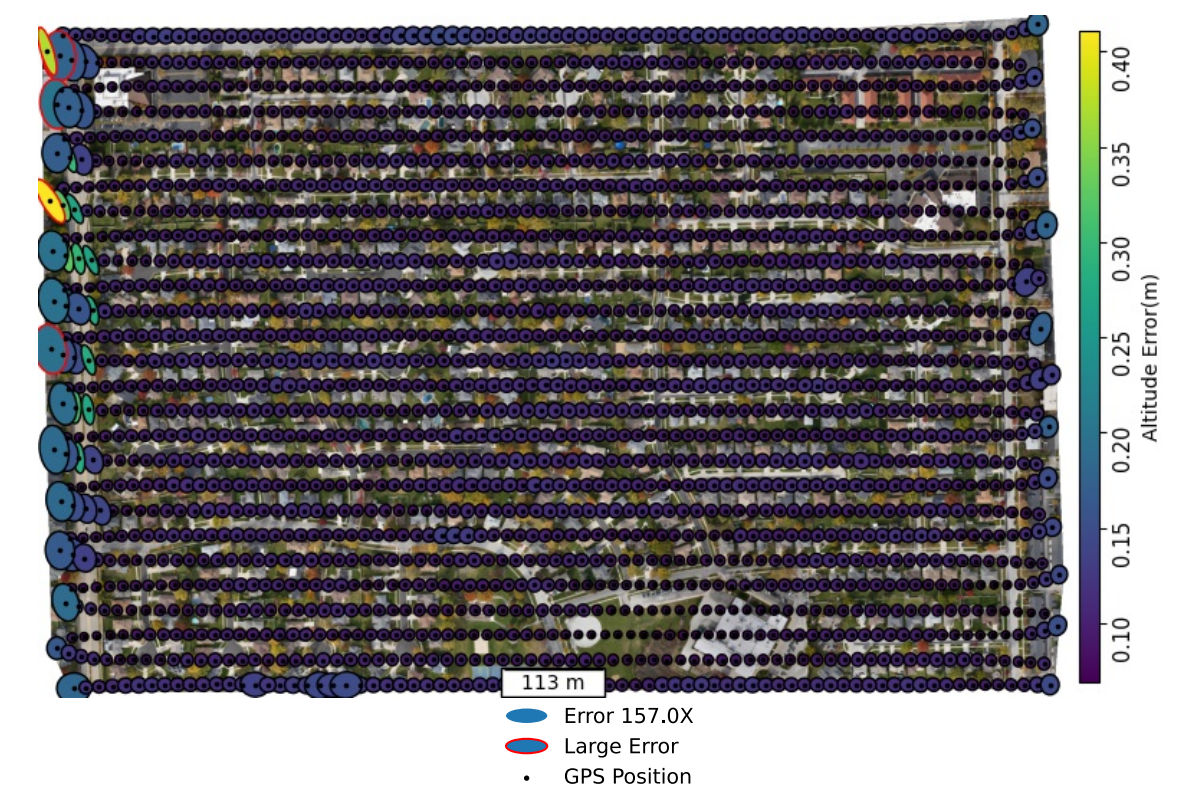


Orthomosaic Coverage ⓘ



Sensor(s) Used	SONY - ILX-LR1
Image Count (by sensor)	2024
Image Resolution	9504x6336 (~60MP)
Orthomosaic coverage (% of area of interest)	99.92
Average Orthomosaic Image Density within Structured Area	35 images/pixel
Median Shutter Speed	1/1600

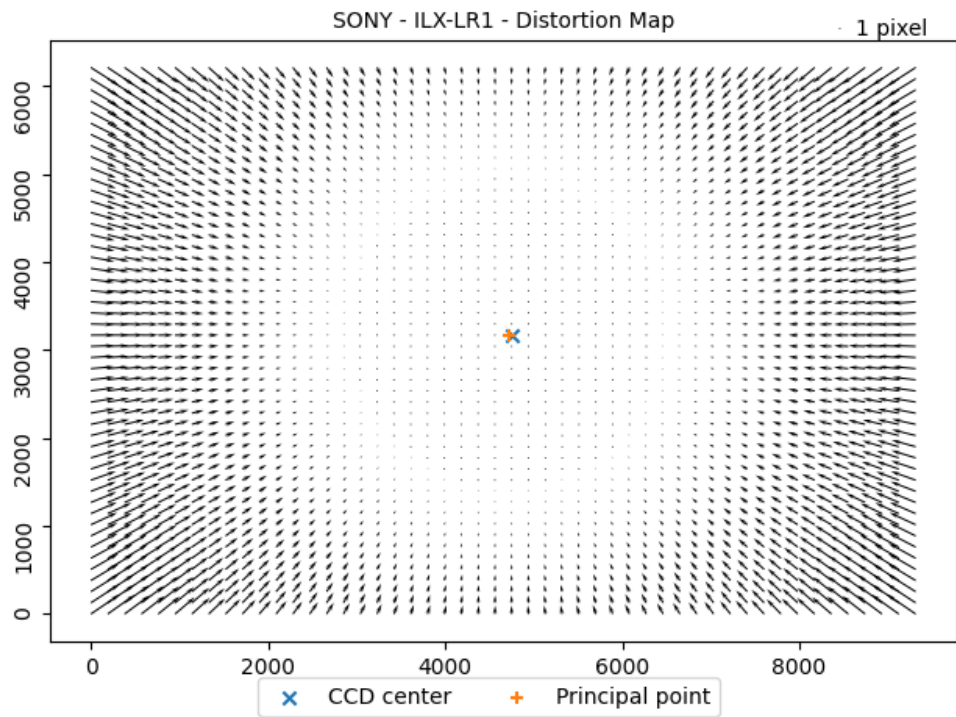
Structure from Motion ⓘ



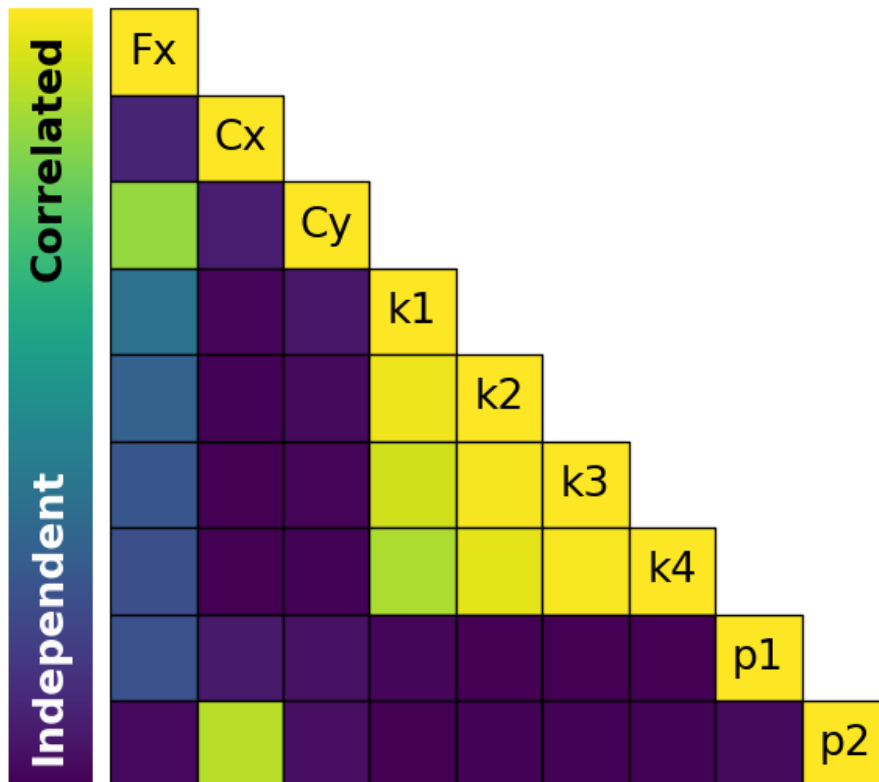
Aligned Cameras	100% 2024/2024
RMSE of Camera GPS Location	X 0.04ft Y 0.11ft Z 0.05ft RMSE 0.07ft
MAD of Camera GPS Location	X 0.02ft Y 0.02ft Z 0.02ft MAD 0.02ft

Camera Calibration ⓘ

Camera Optimization	0.04% variation from reference intrinsics
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	Fx	Cx	Cy	k1	k2	k3	k4	p1	p2
Value	4646.42	4726.99	3167.42	-0.0707096	0.0165872	-0.00105925	0.000480406	0.000327522	-0.000540031
Error	0.0275282	0.00968039	0.0145705	0.137804	0.334066	0.313113	0.0991312	0.00416293	0.00563826



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	59.7 million	
Point Cloud Density	6.51 points/ft ²	

Digital Elevation Model *i*

Mode	Generated from Mesh
DEM GSD	DEM 2.31in/px
Relative/Absolute	Absolute Altitude

