Leesburg Library - Map Plan

Captured: Nov 06, 2019, Processed: Nov 07, 2019

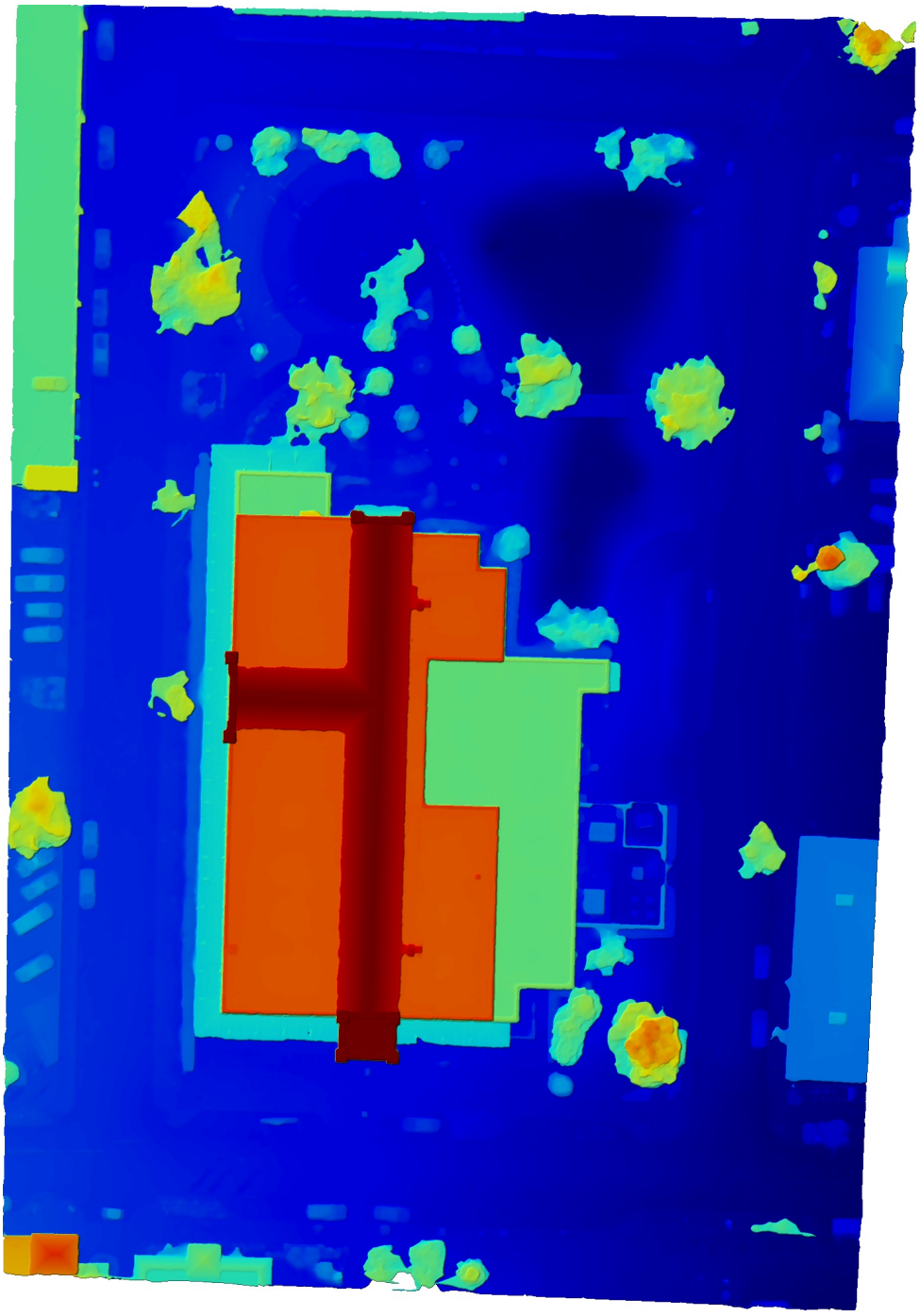
Map Details Summary ⓘ

Project Name	Leesburg Library - Map Plan
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Nov 06, 2019
Date Processed	Nov 07, 2019
Processing Mode	Structures (3D)
GSD Orthomosaic (GSD DEM)	0.38in/px (**DEM** 1.52in/px)
Area Bounds (Coverage)	144112.25ft^2 (118%)
Image Sensors	Hasselblad - L1D-20c

Quality & Accuracy Summary ⓘ

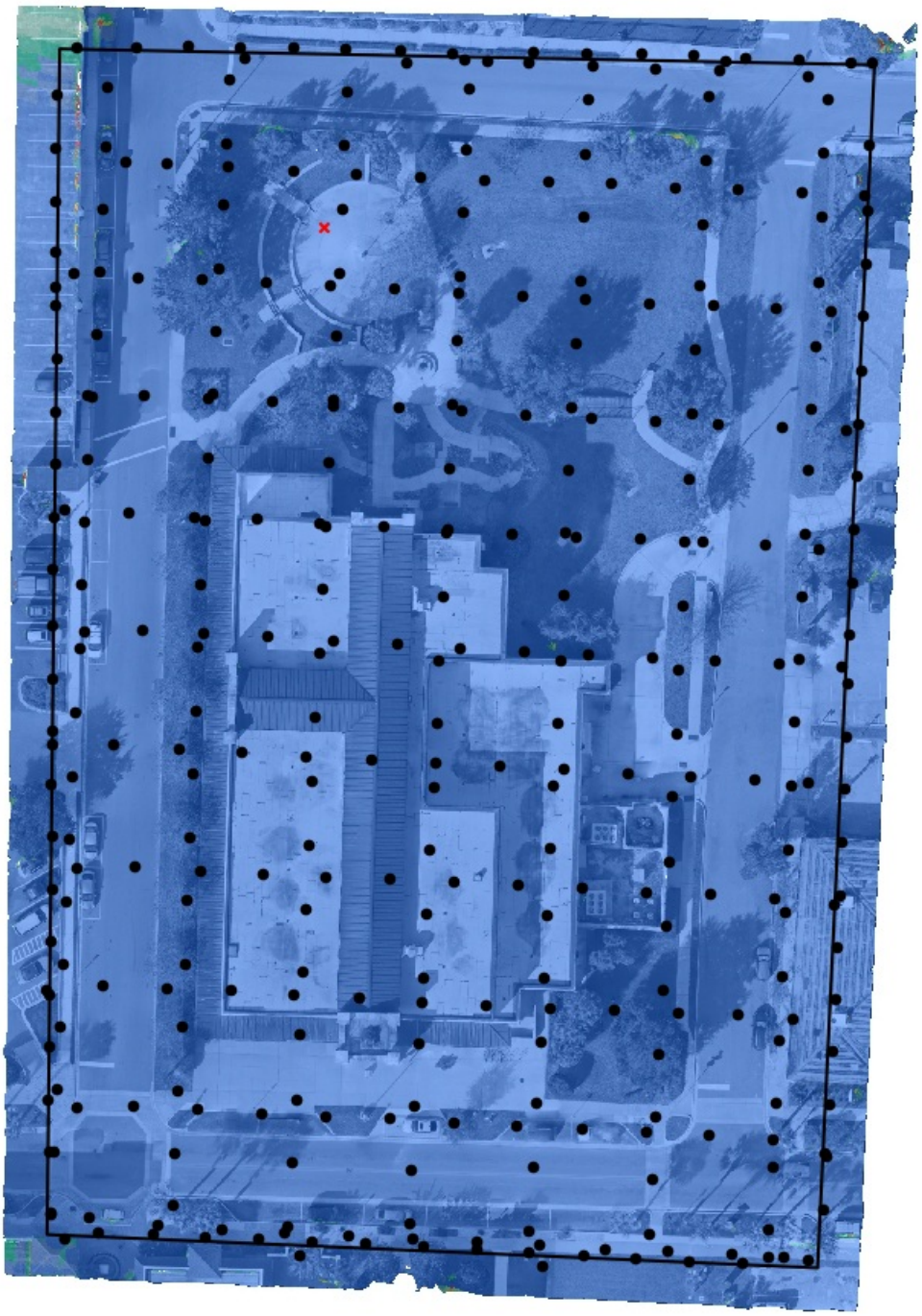
Image Quality		High texture images
Median Shutter Speed		1/120
Processing Mode		**Structures (3D)** - Designed to produce high resolution 3D maps containing overhangs, for example of buildings, pipework & conveyors. Images captured should include oblique imagery. Map processing will typically take longer than terrain mode. Should not be used for mapping crops or large flat or smooth topographic scenes.
Images Uploaded (Aligned %)		351 (100.0%)
Camera Optimization		Principal point varied from reference value by 8.36%.

Preview ⓘ



Dataset Quality Review ⓘ

Orthomosaic Coverage ⓘ



ROI
Aligned
Unaligned

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		Hasselblad - L1D-20c
Image Count (by sensor)		351
Image Resolution		5472x3078 (~17MP)
Orthomosaic coverage (% of area of interest)		118.22
Average Orthomosaic Image Density within Structured Area		40 images/pixel
Median Shutter Speed		1/120

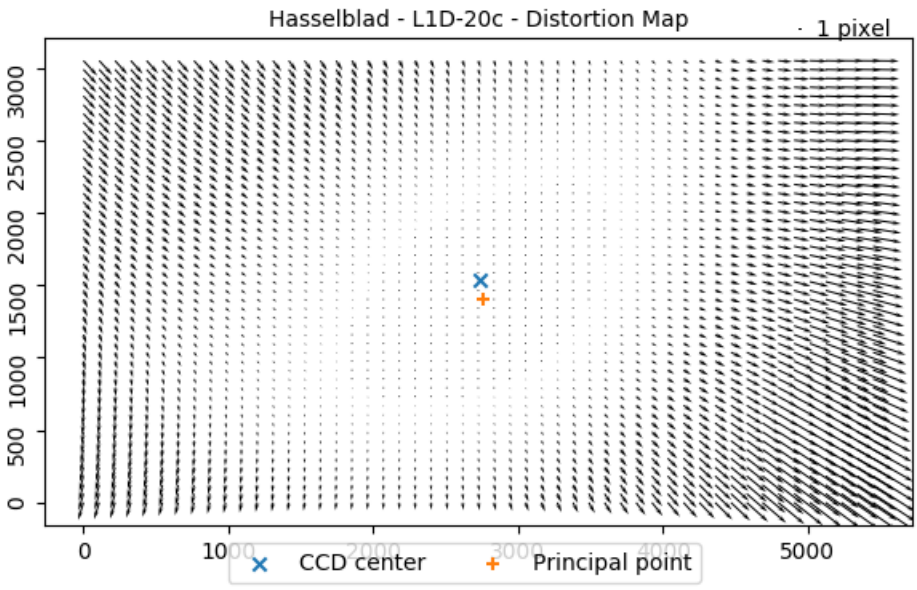
Structure from Motion ⓘ

Aligned Cameras		100% 350/351
RMSE of Camera GPS Location		**X** 1.66ft **Y** 1.73ft **Z** 5.98ft **RMSE** 3.72ft

Camera Calibration ⓘ

Camera Optimization		Principal point varied from reference value by 8.36%.

Hasselblad - L1D-20c



Densification and Meshing ⓘ

Processing Mode		**Structures (3D)** - Designed to produce high resolution 3D maps containing overhangs, for example of buildings, pipework & conveyors. Images captured should include oblique imagery. Map processing will typically take longer than terrain mode. Should not be used for mapping crops or large flat or smooth topographic scenes.
Processing Mode Quality		High
Nadir Images		0%
Oblique images		95%
Horizontal images		5%
Mesh Triangles		809574

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	**DEM** 1.52in/px
Relative/Absolute	Absolute Altitude