Staatsbosbeheer - Berkheide noord west nov 2020

Captured: Nov 05, 2020, Processed: Dec 07, 2020
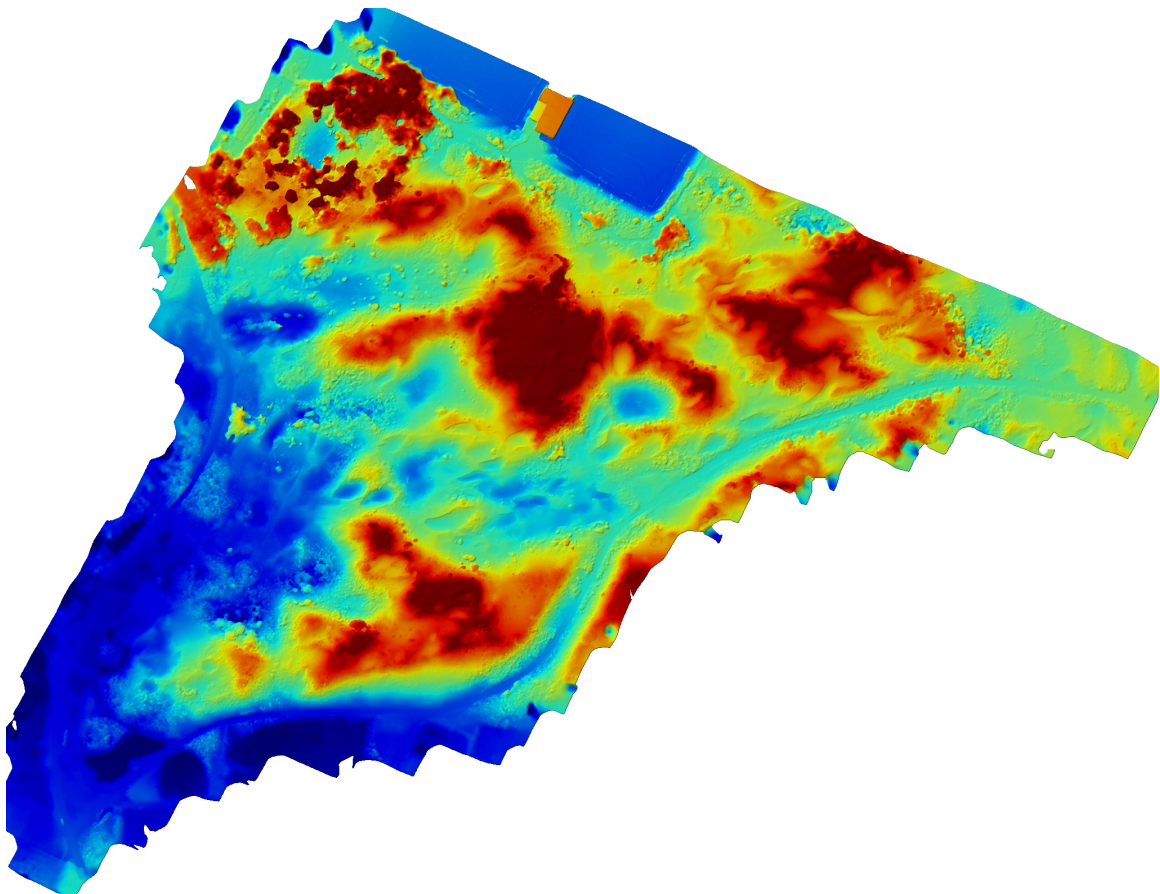
Map Details Summary ⓘ

Project Name	Staatsbosbeheer - Berkheide noord west nov 2020
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Nov 05, 2020
Date Processed	Dec 07, 2020
Processing Mode	Standard
GSD Orthomosaic (GSD DEM)	0.93in/px (**DEM** 3.70in/px)
Area Bounds (Coverage)	5860200.05ft^2 (43%)
Image Sensors	Hasselblad - L1D-20c

Quality & Accuracy Summary ⓘ
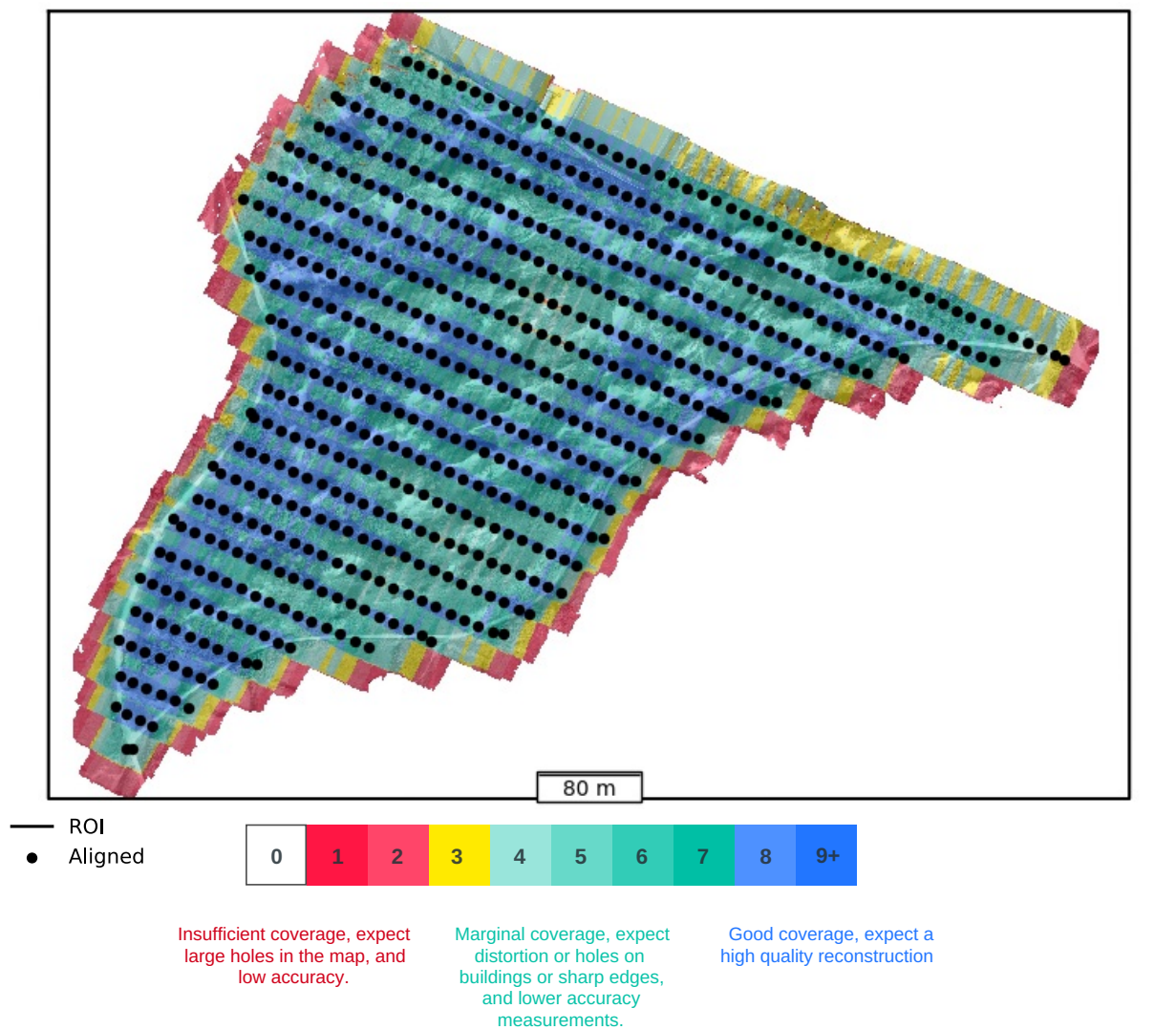
Image Quality		High texture images
Median Shutter Speed		1/200
Processing Mode		['**Standard Mode** - Designed to produce the best photogrammetry output based on the input imagery. Include predominantly nadir imagery for most efficient mapping of large fields and crops, natural open terrain, and generating topographical maps. Entirely nadir collects are not recommended for reconstructing the sides of buildings, overhangs, or complex equipment. Include horizontal and oblique imagery to optimize processing for high resolution 3D reconstruction of buildings, pipework & conveyors.']
Images Uploaded (Aligned %)		600 (100%)
Camera Optimization		0.01% variation from reference intrinsics

Preview ⓘ

Dataset Quality Review ⓘ

Orthomosaic Coverage ⓘ

80 m

— 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		Hasselblad - L1D-20c
Image Count (by sensor)		600
Image Resolution		2880x1920 (~6MP)
Orthomosaic coverage (% of area of interest)		43.89
Average Orthomosaic Image Density within Structured Area		7 images/pixel
Median Shutter Speed		1/200

Structure from Motion ⓘ

Altitude Error(m)	4.0 3.5 3.0 2.5 2.0 1.5

80 m

⬭ Error 17.0X

• GPS Position

Aligned Cameras	100% 600/600
RMSE of Camera GPS Location	X 3.76ft Y 1.93ft Z 2.31ft RMSE 2.78ft

Camera Calibration ⓘ

Camera Optimization	0.01% variation from reference intrinsics

Hasselblad - L1D-20c

Hasselblad - L1D-20c - Distortion Map
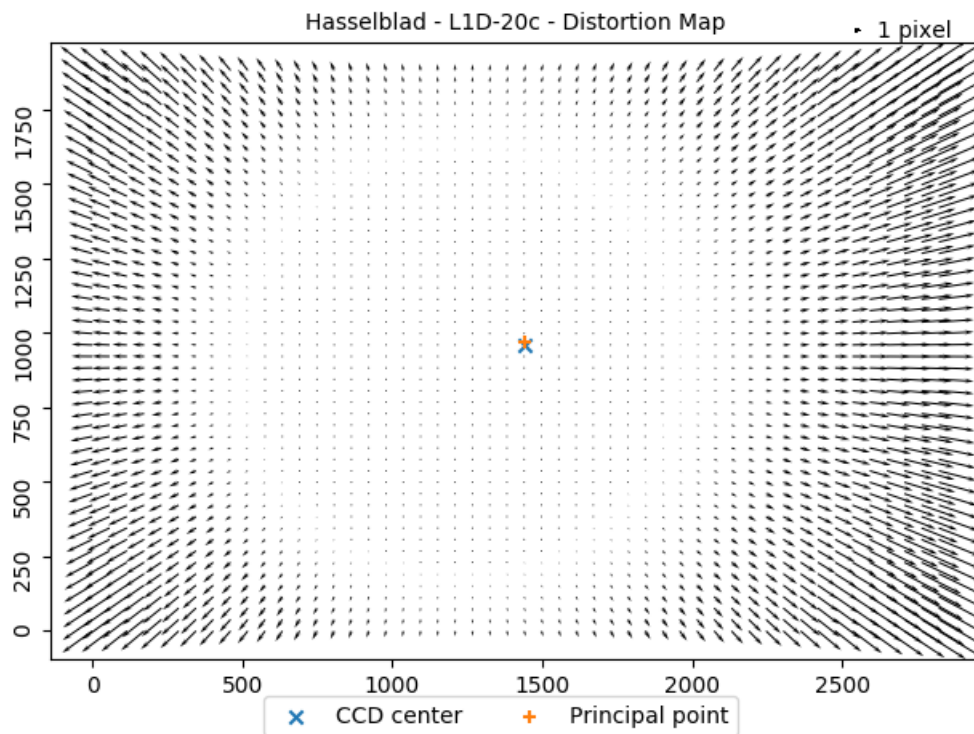
	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	2288.79	1442.28	968.08	0.00206043	0.0283756	-0.0310809	0.000163803	0.000555899
Error	1.54434	0.080455	0.0529623	0.379078	1.52709	1.83685	0.0201693	0.0252705
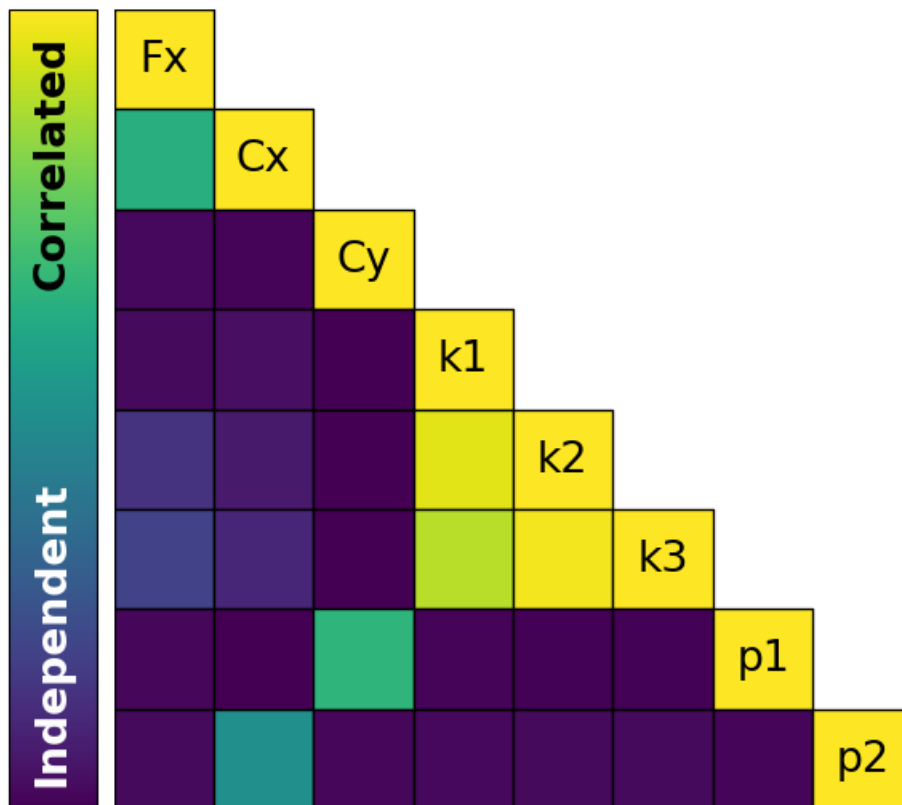
Densification and Meshing ⓘ

Processing Mode		['**Standard Mode** - Designed to produce the best photogrammetry output based on the input imagery. Include predominantly nadir imagery for most efficient mapping of large fields and crops, natural open terrain, and generating topographical maps. Entirely nadir collects are not recommended for reconstructing the sides of buildings, overhangs, or complex equipment. Include horizontal and oblique imagery to optimize processing for high resolution 3D reconstruction of buildings, pipework & conveyors.']
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		27.3 million
Point Cloud Density		10.62 points/ft^2
Mesh Triangles		2.1 million

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	**DEM** 3.70in/px
Relative/Absolute	Absolute Altitude