Dichte Del maart 2021 - Dichte Del mrt 2021 30 meter

Captured: Mar 03, 2021, Processed: Mar 04, 2021
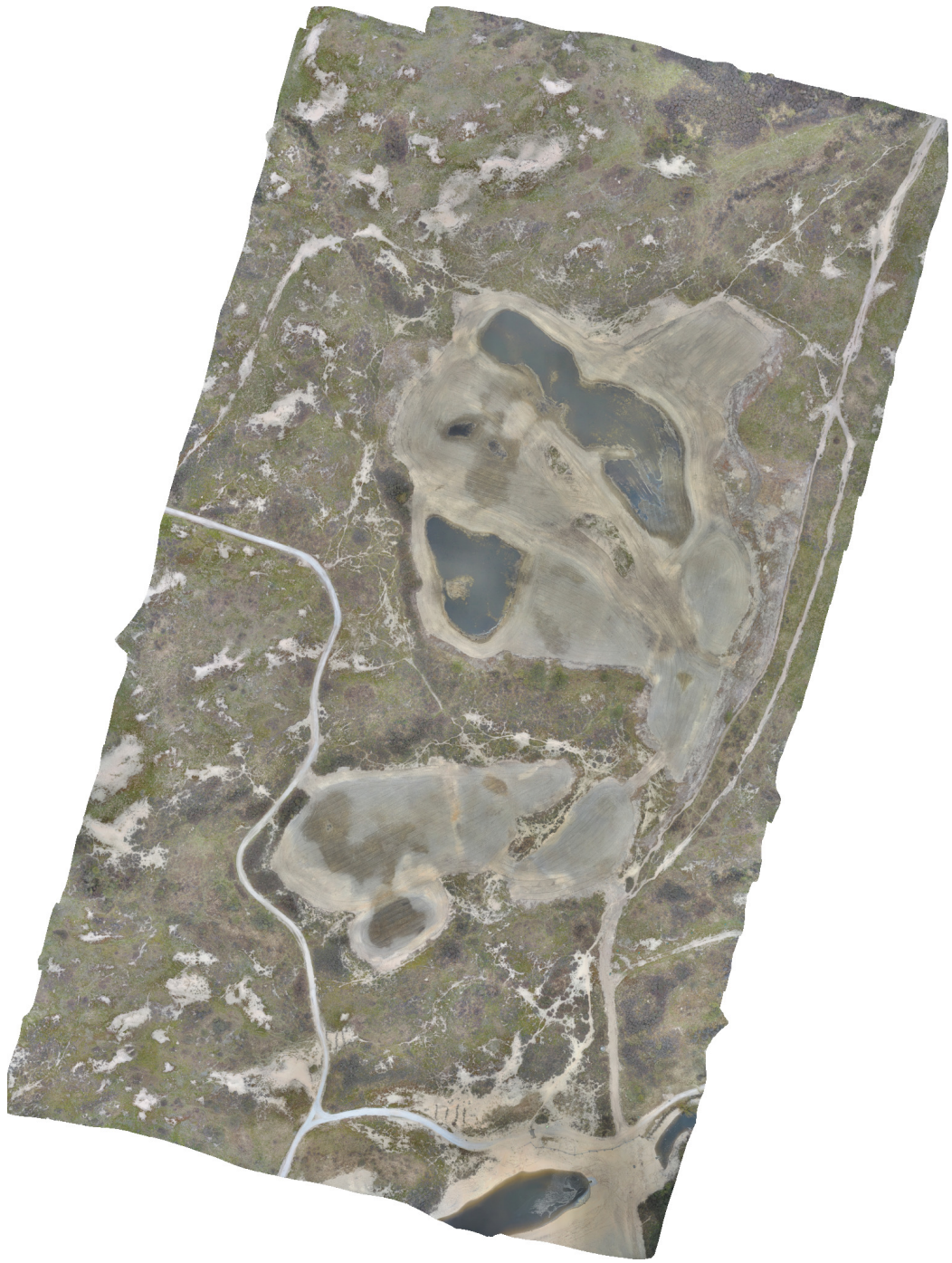
Map Details Summary ⓘ
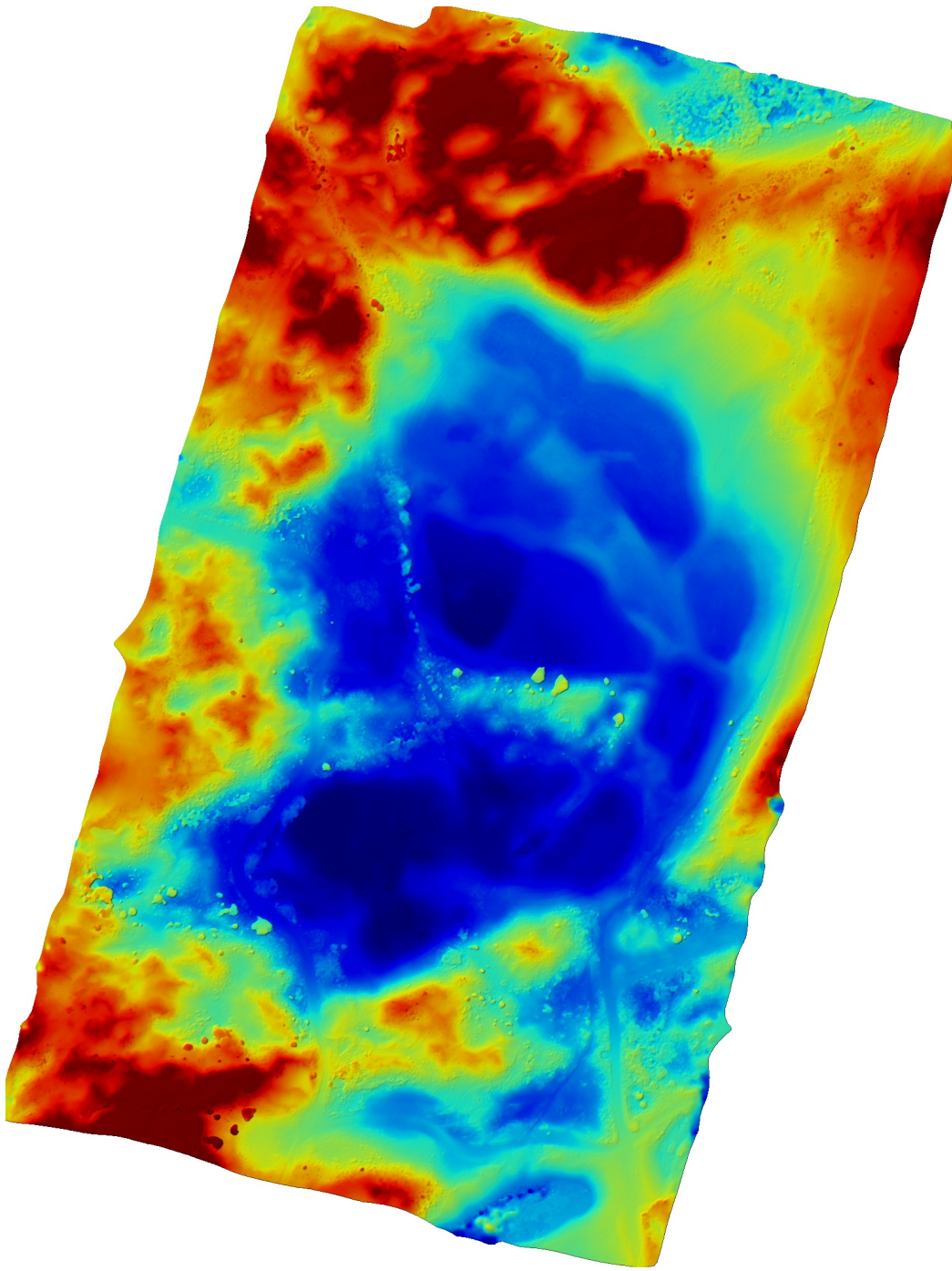
Project Name	Dichte Del maart 2021 - Dichte Del mrt 2021 30 meter
Photogrammetry Engine	DroneDeploy Proprietary
Date Of Capture	Mar 03, 2021
Date Processed	Mar 04, 2021
Processing Mode	Standard
GSD Orthomosaic (GSD DEM)	0.26in/px (**DEM** 1.06in/px)
Area Bounds (Coverage)	2843690.64ft^2 (62%)
Image Sensors	Hasselblad - L1D-20c

Quality & Accuracy Summary ⓘ

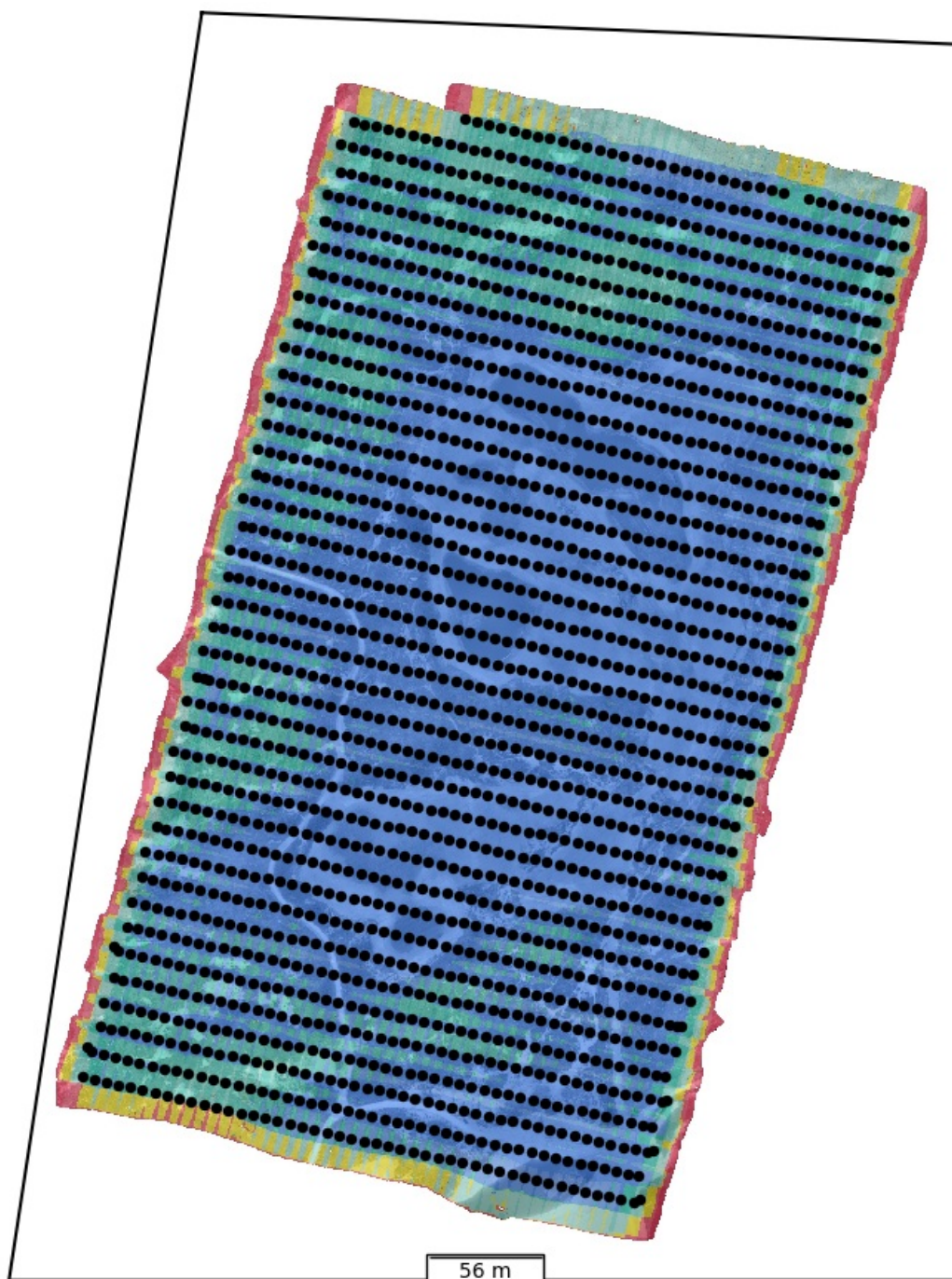|		
Image Quality		High texture images
Median Shutter Speed		1/120
Processing Mode		['**Standard Mode** - Designed to produce the best photogrammetry output based on the input imagery. Include predominantly nadir imagery for most efficient mapping of large fields and crops, natural open terrain, and 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 %)		1838 (100%)
Camera Optimization		0.02% variation from reference intrinsics

Preview ⓘ

Dataset Quality Review ⓘ

Orthomosaic Coverage ⓘ

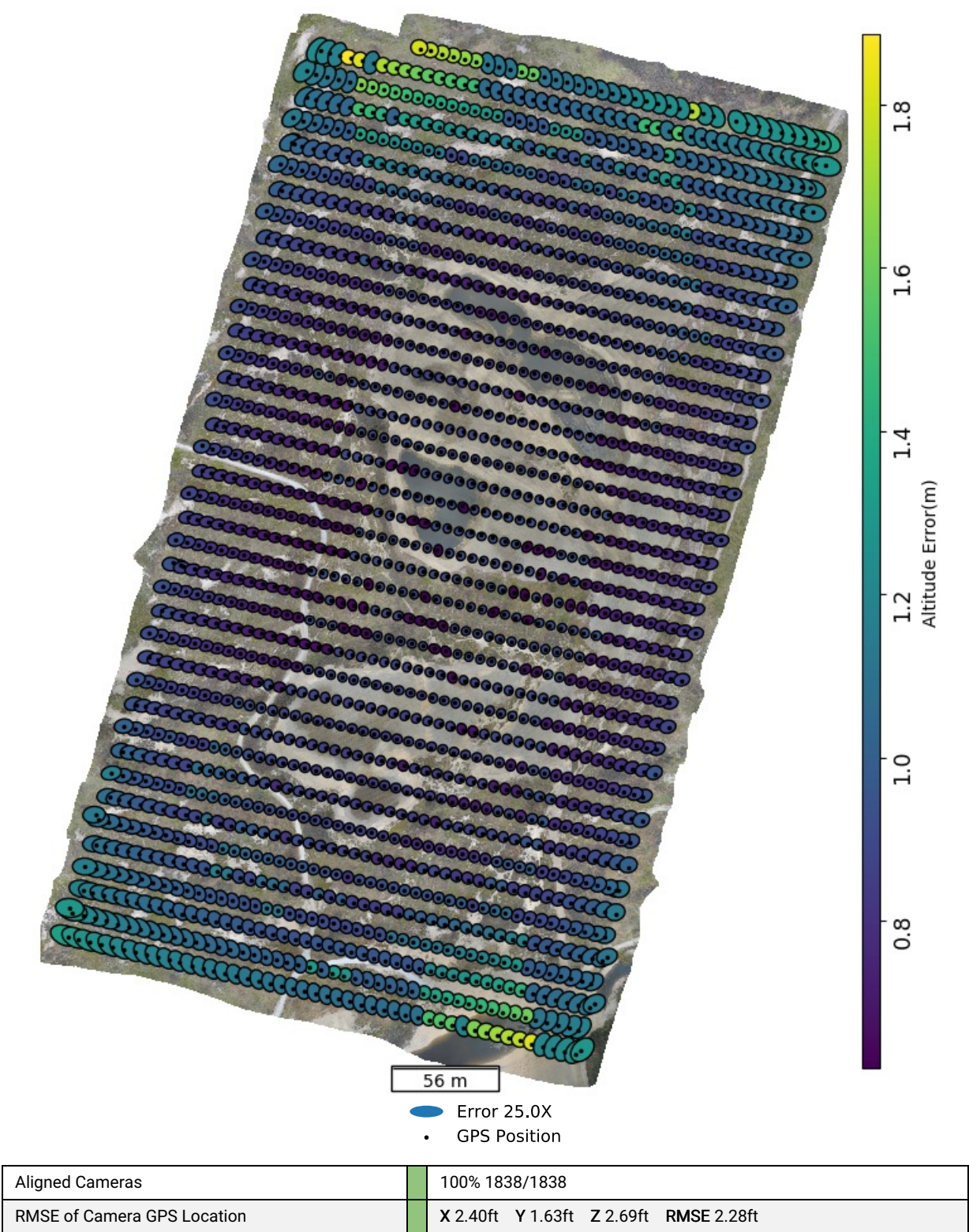|	0	1	2	3	4	5	6	7	8	9+

— ROI

● Aligned

56 m

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

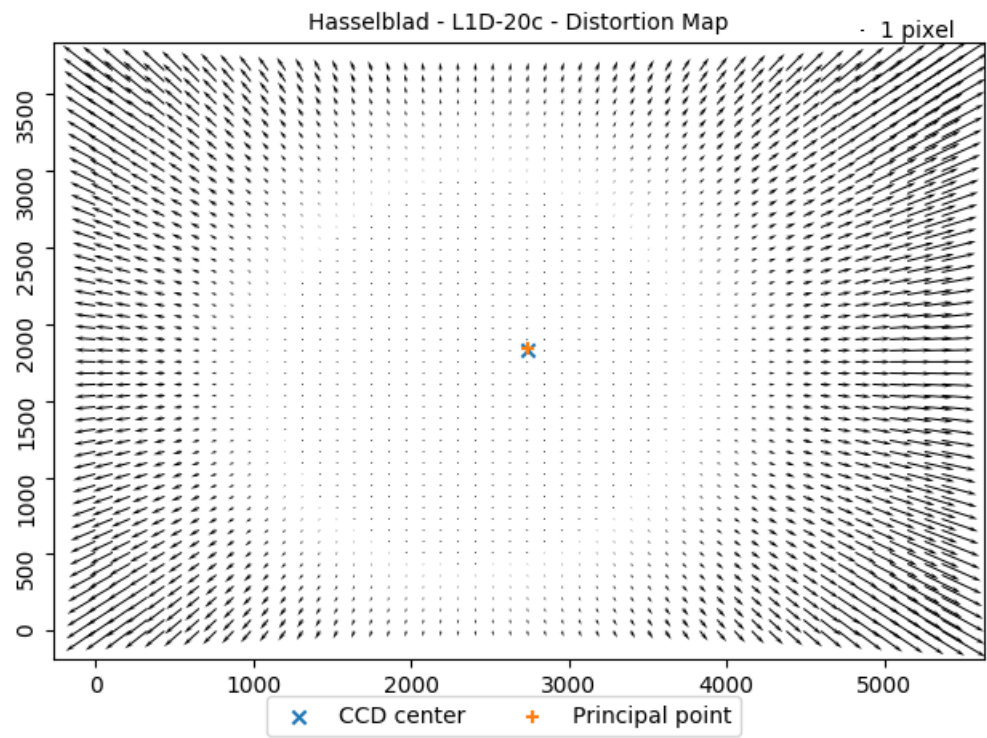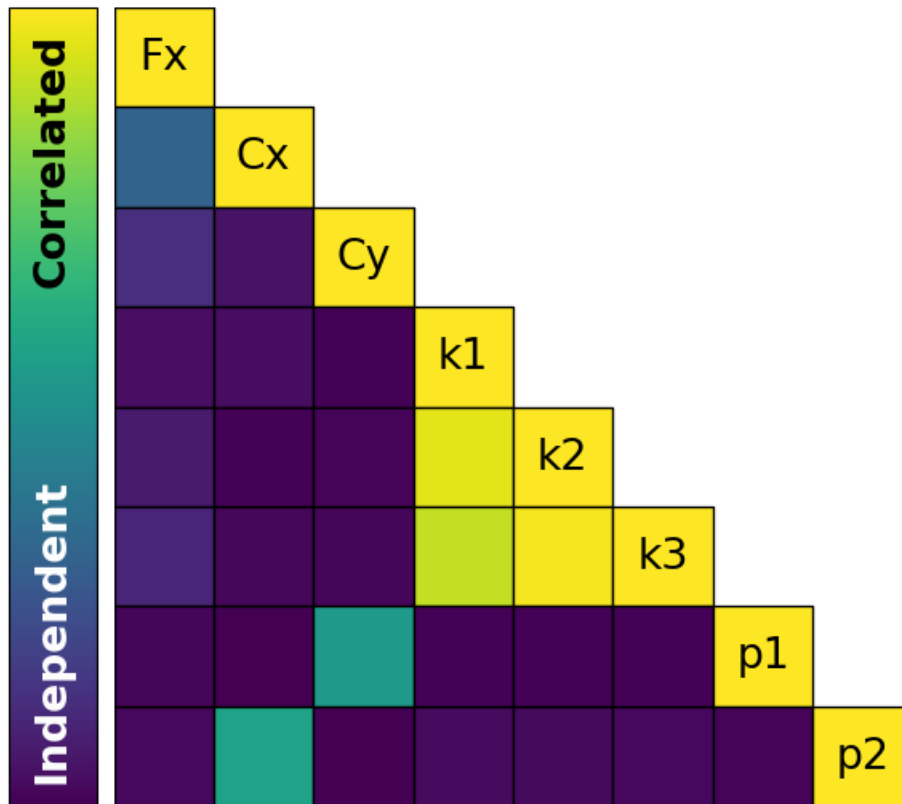|		
Sensor(s) Used		Hasselblad - L1D-20c
Image Count (by sensor)		1838
Image Resolution		5472x3648 (~20MP)
Orthomosaic coverage (% of area of interest)		62.04
Average Orthomosaic Image Density within Structured Area		10 images/pixel
Median Shutter Speed		1/120

Structure from Motion ⓘ

56 m

🔵 Error 25.0X
• GPS Position

Aligned Cameras	100% 1838/1838
RMSE of Camera GPS Location	X 2.40ft Y 1.63ft Z 2.69ft RMSE 2.28ft

Camera Calibration ⓘ

Camera Optimization		0.02% variation from reference intrinsics

Hasselblad - L1D-20c

Hasselblad - L1D-20c - Distortion Map

	Fx	Cx	Cy	k1	k2	k3	p1	p2
Value	4371.36	2740.38	1843	0.00540436	0.0260488	-0.0290164	0.000295684	0.000640777
Error	0.491426	0.0354119	0.0286845	0.20722	0.832346	1.00896	0.00878066	0.0124579

Correlated

Independent

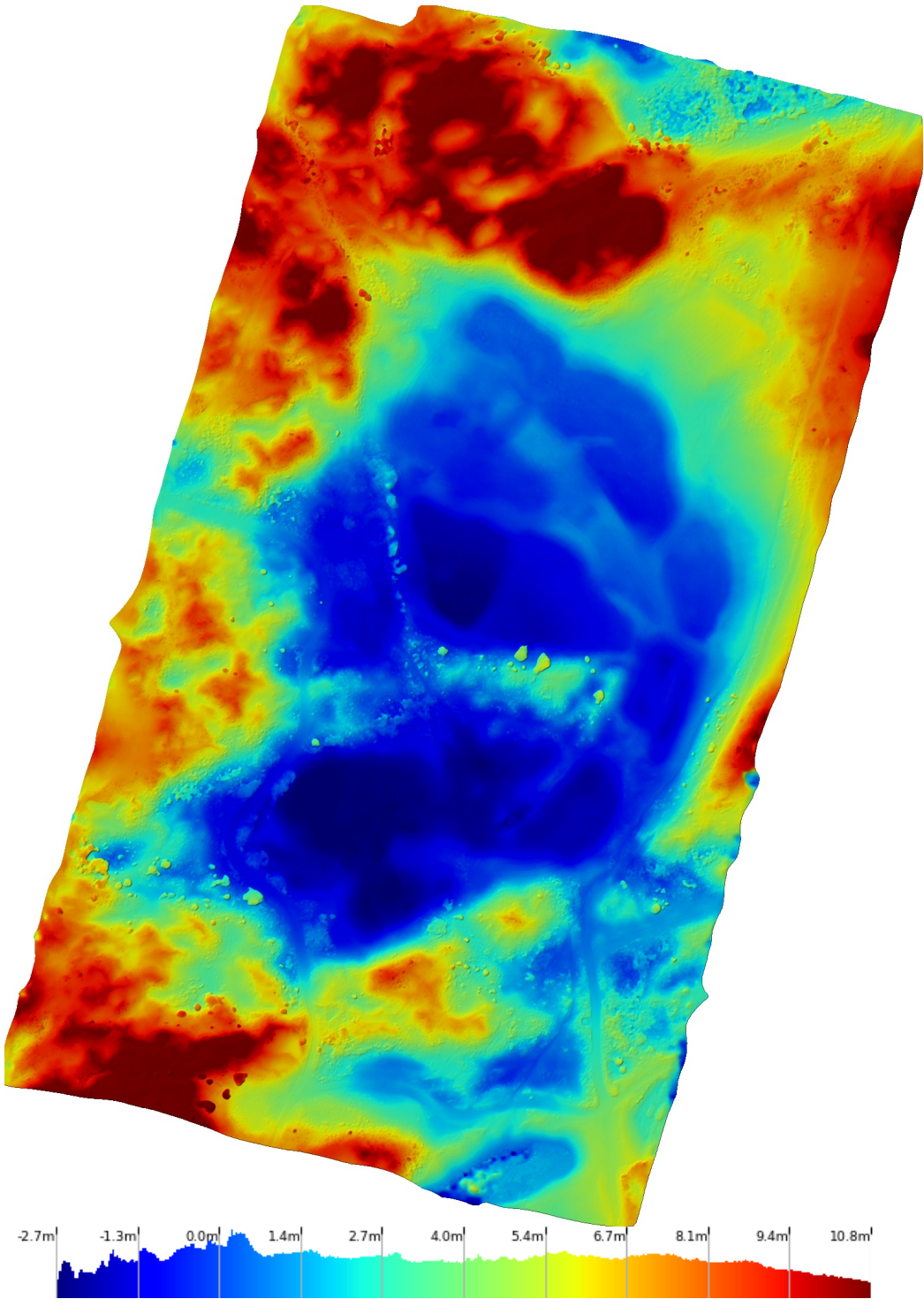Fx

Cx

Cy

k1

k2

k3

p1

p2

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		21.8 million
Point Cloud Density		12.34 points/ft^2
Mesh Triangles		4.0 million

Digital Elevation Model ⓘ

Mode	Generated from Mesh
DEM GSD	**DEM** 1.06in/px
Relative/Absolute	Absolute Altitude