Cornella Brothers Inc.

DublinCommons

27 Apr 2021

Captured: 27 Apr 2021 10:42 MDT
Uploader: Chris Loidolt

Details

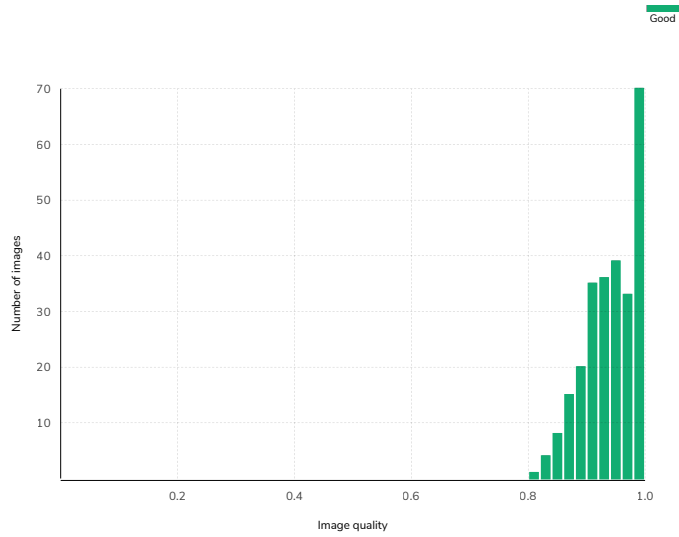|	
Horizontal CRS	Local grid (FlatsAtDublinCommons01062021.jxl) - ft (US)
Vertical CRS	Local grid (FlatsAtDublinCommons01062021.jxl) - ft (US)
Filter	Structures
Geotag accuracy	Normal
AeroPoints	**Dublin 04/27/2021 (27 Apr 2021 10:28 MDT)**
Source photos	261

Overview

Control AeroPoint, good fix, used, known point

Image Quality

Total images	Good quality images	Poor quality images	Unaligned Images
261	261	0	0

X error (ft (US))	Y error (ft (US))	XY error (ft (US))	Z error (ft (US))	Total error (ft (US))
6.483	1.914	6.760	14.608	16.096

The errors above indicate how far we had to shift your imagery from their geotag locations during processing to best fit with each other and any provided ground control.

It is common for camera positions to exhibit a high error, especially when using accurate ground control. Your imagery has not been tagged using RTK or PPK corrected GPS, so errors of up to 10m (33ft) are to be expected.

To find out more about the best practices for acquiring accurate drone data **click here.**

Expected Ground Control Accuracy

Control that was used to correct the model

	Point name	X error (ft (US))	Y error (ft (US))	Z error (ft (US))	Total error (ft (US))
▣	acbea90c52	-0.007	-0.021	-0.003	0.022
▣	ac82b11a02	-0.003	-0.014	0.007	0.016
▣	acf9200436	0.014	0.012	-0.001	0.018
▣	ac1d99395b	-0.001	0.010	-0.003	0.010
▣	ac72ad0844	-0.003	0.013	-0.001	0.013
					Total error: 0.017ft (US)

Root Mean Square (RMS) Error is measured as the standard deviation of provided GCP locations from their estimated locations in the final model.

These figures indicate how well we were able to fit your ground control with the provided images. For actual comparisons to the final generated surface please see the "Ground Control Summary" section below.

Ground Control Summary

Ground control

	Point name	Easting (ft (US))	Northing (ft (US))	Elevation (ft (US))	Surface elevation (ft (US))	Difference (ft (US))
	acbea90c52	3223966.714	1398858.196	6824.702	6824.747	-0.046
	ac82b11a02	3224021.358	1398676.271	6820.910	6820.892	0.020
	acf9200436	3224291.495	1398795.369	6825.063	6825.059	0.003
	ac1d99395b	3224046.466	1398487.829	6818.374	6818.402	-0.026
	ac72ad0844	3223717.884	1398611.035	6816.267	6816.309	-0.043
						Total error: 0.032ft (US)

Error figures in the tables above indicate the residuals between provided ground control and/or checkpoint elevations against the final Digital Elevation Model (DEM.)

To find out more about ground control and the factors that impact these errors, **click here.**