

Accuracy Report (m)

Tight Contours 108 Acres



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Location	35.306369, -96.512895
Lidar	ROCK R2A
Acquisition Vehicle	DJI M300

Powered by **ROCK** robotic

Overview

This accuracy report describes the relationship between the ground control points and the LiDAR data. Each GCP is placed on the LiDAR data and a Z deviation is determined. The RMS takes into account the roughness of the LiDAR data to give a higher weight to GCP points on smoother surfaces.

Horizontal Projection:

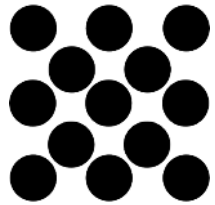
WGS 84 / UTM zone 14N
EPSG:32614 Unit: m

Vertical Projection:

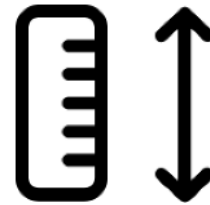
Ellipsoid
Unit: m

View the data: [Click here](#) or go to <https://cloud.rockrobotic.com/project/30893>.

GCP Accuracy Summary



Point Density
840 points per sq m



Vertical Accuracy
RMS
0.049 m



Coverage
78 Acres



Standard Deviation
Elevation Delta
0.037 m



Mean delta
in elevation
-0.032 m

Ground Control Points

GCP Name	X	Y	Z-GCP (m)	Z-LIDAR (m)	Delta-Z (m)	Disabled
GCP 1	726320.2583	3909659.2997	286.932	286.948	-0.016	No
GCP 2	726116.7665	3909845.515	303.242	303.334	-0.092	No
GCP 6	725826.5101	3909895.5784	316.468	316.503	-0.035	No
GCP 5	725819.9402	3909648.3781	319.488	319.484	0.004	No
GCP 3	726336.1206	3909990.3572	285.506	285.494	0.012	No
GCP 4	725925.9095	3909740.3955	322.64	322.707	-0.067	No