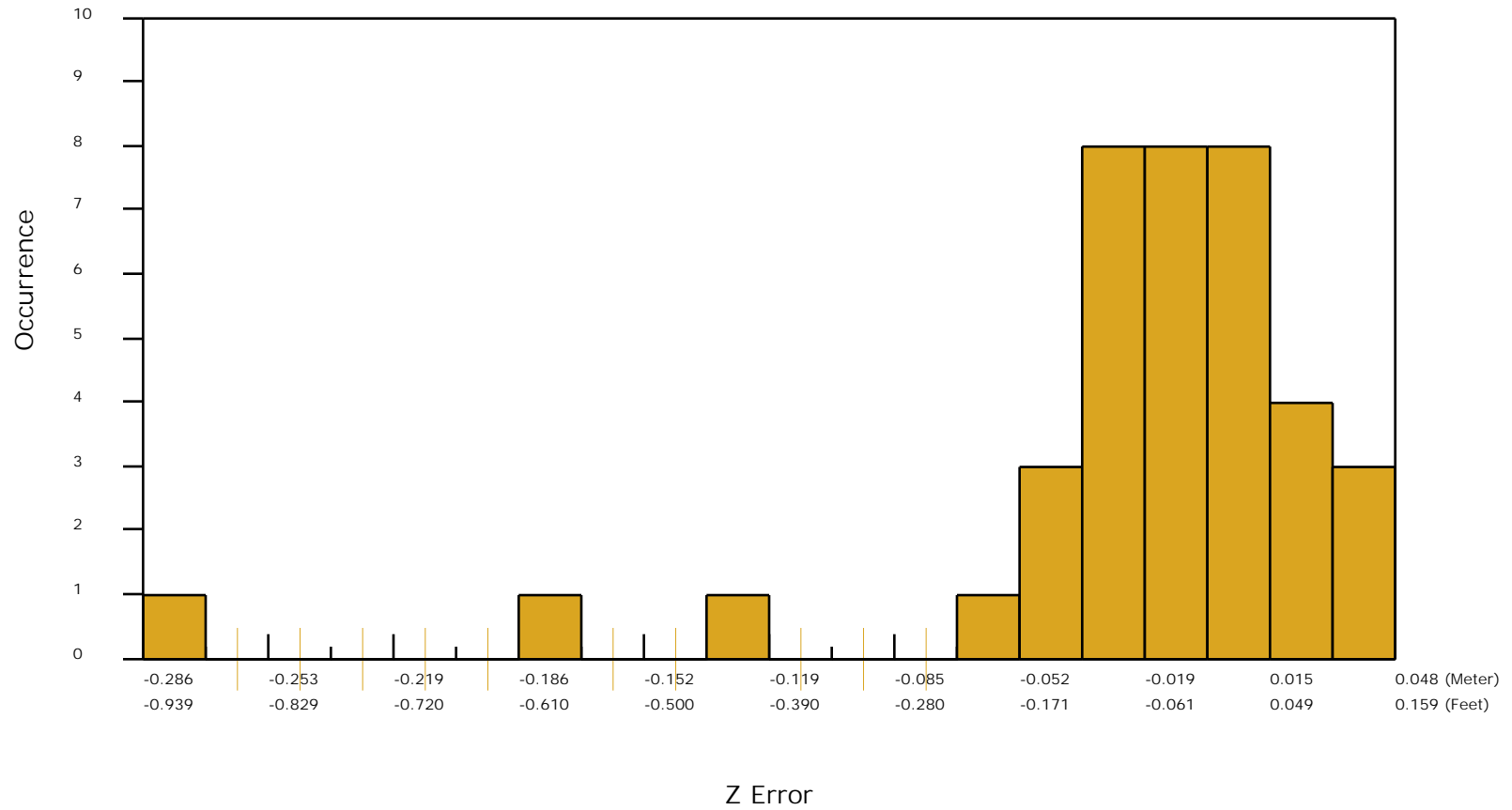


# DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the non-vegetated vertical accuracy (NVA) of the lidar point cloud data measured against surveyed ground check points.

[Data Source - Y:\Mapping\Projects\65220171\\_USGS-TX\\_West\\_Texas\Production\Final\\_Client\\_Deliverables\Lot6\\_utm13\point\\_cloud\tilecls](#)

NVA (lidar data)



## DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to report the results of measuring the DEM data against surveyed ground NVA (nonvegetated vertical accuracy) check points. All XY coordinates and Z values reported are in the selected data units.

NVA (DEM)								
ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
1005	514166.264	3453819.876	Yes	1284.739	1284.768	0.029		
1012	550201.363	3468718.797	Yes	1376.291	1376.261	-0.030		
1014	547366.288	3436515.439	Yes	1240.417	1240.147	-0.270		
1016	553107.04	3504037.13	Yes	1260.284	1260.262	-0.022		
1017	516151.043	3433742.063	Yes	1230.286	1230.266	-0.020		
1035	521171.998	3414493.45	Yes	1208.988	1208.962	-0.026		
1054	512945.913	3506946.026	Yes	1188.343	1188.349	0.006		
1058	533892.665	3435302.341	Yes	1179.52	1179.399	-0.121		
1060	501426.104	3427796.576	Yes	1291.036	1291.009	-0.027		
1064	553520.243	3481281.739	Yes	1246.863	1246.865	0.002		
1067	501512.414	3535425.54	Yes	1110.368	1110.355	-0.013		
1068	517098.085	3468658.842	Yes	1116.189	1116.192	0.003		
1070	534278.559	3486436.81	Yes	1482.177	1482.135	-0.042		
1073	516964.479	3525059.104	Yes	1652.886	1652.864	-0.022		
1076	514478.664	3477105.755	Yes	1104.232	1104.273	0.041		
1078	513541.34	3497311.206	Yes	1111.482	1111.495	0.013		
1089	548883.329	3525558.876	Yes	1131.739	1131.745	0.006		
1105	554356.674	3531891.271	Yes	1118.996	1119.018	0.022		
1147	540449.664	3462418.766	Yes	1239.894	1239.906	0.012		
1148	517963.447	3404121.73	Yes	1279.567	1279.598	0.031		
1150	506674.007	3435107.514	Yes	1363.944	1363.953	0.009		
1164	547454.559	3529308.676	Yes	1171.029	1171.019	-0.010		
1167	539348.088	3508791.369	Yes	1336.682	1336.731	0.049		
1181	534119.404	3442268.921	Yes	1153.411	1153.365	-0.046		
1189	538184.527	3452980.331	Yes	1154.379	1154.394	0.015		
1199	503530.259	3513661.302	Yes	1115.49	1115.466	-0.024		
1246A	502456.527	3443902.573	Yes	1465.529	1465.518	-0.011		
1252	526694.695	3452828.327	Yes	1129.772	1129.828	0.056		
1261	534858.817	3537231.812	Yes	1347.886	1347.873	-0.013		
1264	542241.191	3436121.054	Yes	1204.275	1204.095	-0.180		

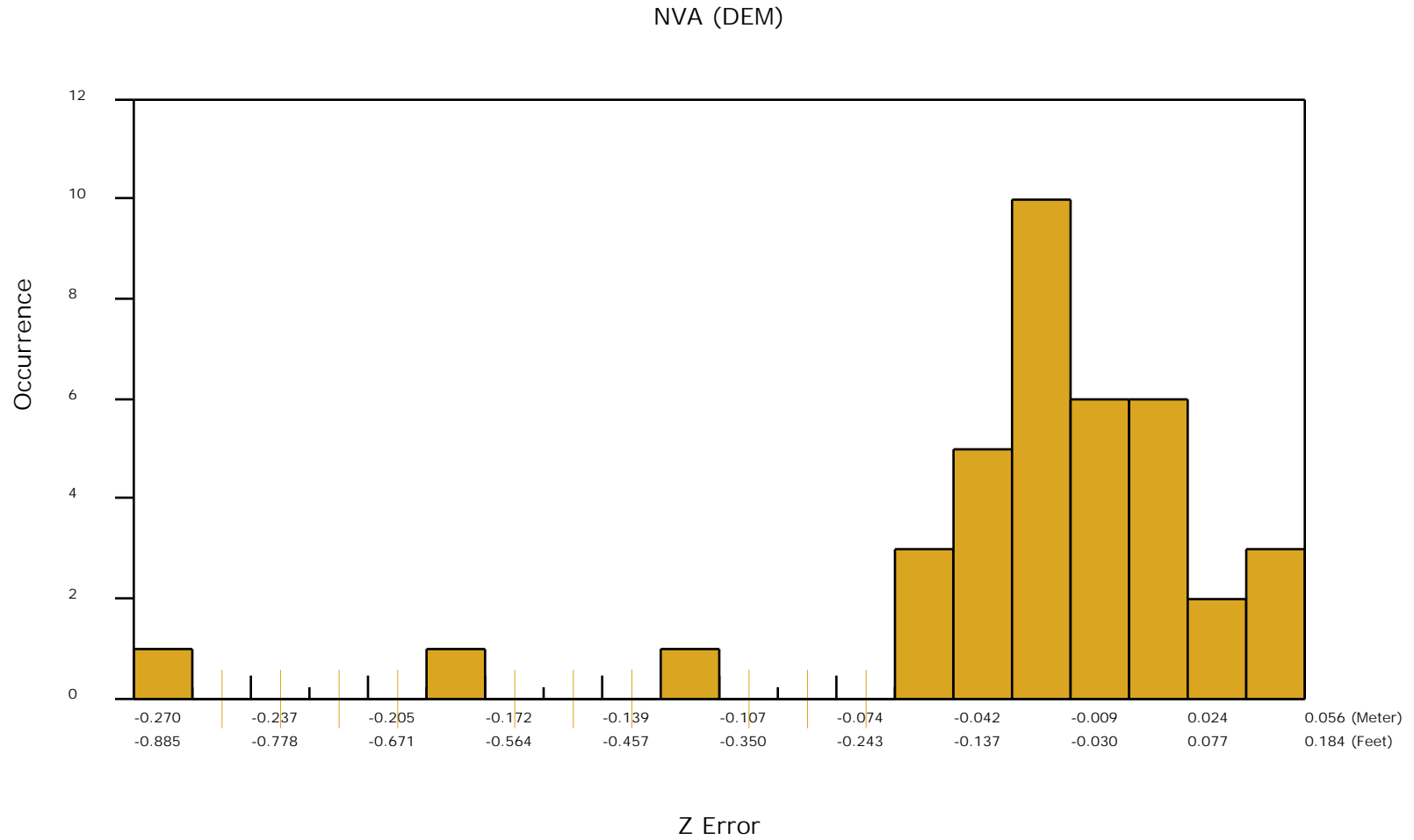
## Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
1290	520372.722	3407005.277	Yes	1231.846	1231.796	-0.050		
1339	522118.081	3418564.937	Yes	1202.848	1202.861	0.013		
941003	547515.835	3439694.61	Yes	1259.662	1259.662	0.000		
951002	513991.785	3492821.998	Yes	1104.565	1104.571	0.006		
951004	523987.901	3531851.115	Yes	1482.487	1482.475	-0.012		
951006	523431.914	3537882.28	Yes	1526.94	1526.891	-0.049		
951009	527243.35	3533813.3	Yes	1429.618	1429.590	-0.028		
981002	546023.013	3486099.263	Yes	1378.371	1378.359	-0.012		

# DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the non-vegetated vertical accuracy (NVA) of the DEM data measured against surveyed ground check points.

[Data Source - Y:\Mapping\Projects\65220171\\_USGS-TX\\_West\\_Texas\Production\Final\\_Client\\_Deliverables\Lot6\\_utm13\point\\_cloud\tilecls](#)



## DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to report the results of measuring the DEM data against surveyed ground VVA (vegetated vertical accuracy) check points. All XY coordinates and Z values reported are in the selected data units.

### VVA (DEM)

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
2004	514160.892	3453791.536	Yes	1285.343	1285.395	0.052		
2011	550231.409	3468713.218	Yes	1376.005	1376.073	0.068		
2013	547366.217	3436486.424	Yes	1239.741	1239.503	-0.238		
2015	553095.936	3504037.786	Yes	1260.385	1260.412	0.027		
2016	516265.153	3433770.169	Yes	1229.892	1229.919	0.027		
2034	521080.312	3414674.132	Yes	1207.95	1208.123	0.173		
2051	512954.594	3506945.772	Yes	1188.178	1188.153	-0.025		
2055	533880.679	3435320.745	Yes	1178.434	1178.373	-0.061		
2058	501389.874	3427833.438	Yes	1291.477	1291.502	0.025		
2060	553522.296	3481303.863	Yes	1246.609	1246.634	0.025		
2063	501545.354	3535447.68	Yes	1110.78	1110.807	0.027		
2064	517082.707	3468797.304	Yes	1117.102	1117.077	-0.025		
2066	534283.547	3486427.499	Yes	1482.561	1482.574	0.013		
2069	517008.764	3525050.87	Yes	1650.658	1650.687	0.029		
2071	514486.779	3477126.598	Yes	1103.72	1103.768	0.048		
2073	513528.518	3497302.185	Yes	1110.954	1111.056	0.102		
2084	548872.395	3525550.676	Yes	1131.432	1131.464	0.032		
2100	554384.067	3531860.067	Yes	1118.904	1118.939	0.035		
2142	540439.279	3462431.491	Yes	1239.787	1239.874	0.087		
2143	517975.18	3404093.069	Yes	1280.195	1280.233	0.038		
2158	539362.447	3508787.675	Yes	1337.964	1338.069	0.105		
2171	534116.262	3442252.671	Yes	1153.242	1153.445	0.203		
2178	538197.02	3452981.848	Yes	1154.129	1154.081	-0.048		
2188	503525.975	3513672.369	Yes	1115.032	1115.083	0.051		
2228	534847.251	3537223.907	Yes	1347.822	1347.870	0.048		
2230	502333.92	3444865.92	Yes	1487.975	1488.040	0.065		
931004	506737.462	3435133.399	Yes	1361.883	1361.965	0.082		
941002	547525.025	3439706.285	Yes	1259.598	1259.672	0.074		
951003	513911.971	3493274.391	Yes	1104.257	1104.332	0.075		
951007	523611.718	3537841.685	Yes	1519.837	1519.802	-0.035		

## *Check Points Vertical Accuracy - continued*

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Description	Comments
971002	522093.922	3418546.407	Yes	1202.623	1202.739	0.116		
971004	520345.692	3406992.271	Yes	1232.074	1232.056	-0.018		
981001	545999.866	3486113.356	Yes	1378.047	1378.089	0.042		

# DPH-11 Report on Absolute Vertical Accuracy - continued

The purpose of this section is to show a frequency distribution chart of the vegetated vertical accuracy (VVA) of the DEM data measured against surveyed ground check points.

[Data Source - Y:\Mapping\Projects\65220171\\_USGS-TX\\_West\\_Texas\Production\Final\\_Client\\_Deliverables\Lot6\\_utm13\point\\_cloud\tilecls](#)

