

DPH-11 Report on Absolute Vertical Accuracy - continued

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

NVA (lidar data)

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Minimum Z	Median Z	Maximum Z	Intensity	Scan Angle Rank	Returns	Description	Comments
1004	658479.864	3240043.379	Yes	1112.147	1112.119	-0.028	1112.107	1112.135	1112.147	3167	-241	1,1,1		
1006	628366.402	3359058.829	Yes	1367.001	1366.87	-0.131	1366.866	1366.879	1366.886	2713	-2136	1,1,1		
1007	607516.467	3349821.71	Yes	1494.228	1494.161	-0.067	1494.154	1494.16	1494.179	2644	-1594	1,1,1		
1011	665037.202	3239093.257	Yes	1641.018	1640.749	-0.269	1640.74	1640.744	1640.791	3706	3240	1,1,1		
1013	619824.002	3374515.642	Yes	1351.838	1351.756	-0.082	1351.752	1351.785	1351.787	3835	1460	1,1,1		
1020	650473.134	3377094.501	Yes	1204.628	1204.58	-0.048	1204.572	1204.586	1204.598	8038	-1756	1,1,1		
1022	559562.486	3270239.897	Yes	784.431	784.487	0.056	784.453	784.484	784.499	3252	1562	1,1,1		
1023	592973.378	3394827.268	Yes	1891.471	1891.438	-0.033	1891.429	1891.438	1891.485	3802	-3011	1,1,1		
1024	601055.845	3260481.567	Yes	1266.677	1266.701	0.024	1266.699	1266.701	1266.704	5404	-2588	1,1,1		
1027	642457.042	3246108.726	Yes	800.354	800.293	-0.061	800.285	800.298	800.302	4528	1185	1,1,1		
1028	590251.625	3378246.25	Yes	1648.947	1648.983	0.036	1648.973	1648.987	1648.987	4721	-1333	1,1,1		
1029	607965.347	3336789.666	Yes	1442.539	1442.531	-0.008	1442.487	1442.517	1442.542	6194	-2354	1,1,1		
1029A	607965.52	3336792.719	Yes	1442.52	1442.486	-0.034	1442.476	1442.479	1442.499	5600	-2309	1,1,1		
1032	658178.473	3261575.974	Yes	1043.441	1043.393	-0.048	1043.392	1043.395	1043.41	5476	-3011	1,1,1		
1033	642382.896	3360521.222	Yes	1366.27	1366.318	0.048	1366.308	1366.325	1366.341	2865	1152	1,1,1		
1042	639318.577	3274484.762	Yes	1019.583	1019.595	0.012	1019.573	1019.598	1019.607	8305	1876	1,1,1		
1045	642589.561	3261570.641	Yes	1009.726	1009.645	-0.081	1009.643	1009.648	1009.673	3309	-830	1,1,1		
1046	615947.17	3238147.524	Yes	714.36	714.333	-0.027	714.303	714.325	714.355	1756	1395	1,1,1		
1047	608140.872	3387438.826	Yes	1460.563	1460.575	0.012	1460.557	1460.58	1460.589	3677	2876	1,1,1		
1055	636485.051	3326659.88	Yes	1333.893	1333.845	-0.048	1333.83	1333.844	1333.876	2686	318	1,1,1		
1056	612586.64	3270771.752	Yes	1338.704	1338.713	0.009	1338.658	1338.669	1338.717	4471	2305	1,1,1		
1057	594370.113	3244690.4	Yes	823.082	823.09	0.008	823.081	823.094	823.104	4262	1249	1,1,1		
1060A	577656.981	3268580.515	Yes	872.165	872.208	0.043	872.202	872.211	872.218	4879	-628	1,1,1		
1074	647821.166	3243024.986	Yes	865.23	865.17	-0.060	865.14	865.175	865.175	3478	424	1,1,1		
1077	650330.846	3218935.06	Yes	697.832	697.872	0.040	697.807	697.86	697.876	4146	1139	1,1,1		
1081	679672.767	3239332.562	Yes	951.759	951.682	-0.077	951.648	951.657	951.697	7205	2504	1,1,1		
1085	584758.221	3397179.771	Yes	1815.306	1815.257	-0.049	1815.238	1815.294	1815.397	2186	1873	1,1,1		
1090	594052.054	3329639.16	Yes	1303.246	1303.213	-0.033	1303.208	1303.215	1303.218	3225	-42	1,1,1		
1090A	594041.678	3329635.498	Yes	1303.058	1303.095	0.037	1303.076	1303.078	1303.099	5815	-11	1,1,1		
1095	677685.97	3286038.667	Yes	857.89	857.865	-0.025	857.846	857.847	857.878	4782	1096	1,1,1		

Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Minimum Z	Median Z	Maximum Z	Intensity	Scan Angle Rank	Returns	Description	Comments
1096A	616547.583	3400574.953	Yes	1320.155	1320.14	-0.015	1320.132	1320.161	1320.17	3761	-1159	1,1,1		
1112	679968.802	3253263.704	Yes	867.813	867.757	-0.056	867.753	867.754	867.763	2984	1782	1,1,1		
1117	583655.977	3251405.48	Yes	758.079	758.053	-0.026	758.009	758.029	758.079	3762	2127	1,1,1		
1118	595824.269	3294608.995	Yes	1090.988	1090.983	-0.005	1090.97	1090.985	1091.007	5971	841	1,1,1		
1119	600108.746	3373933.007	Yes	1540.635	1540.723	0.088	1540.68	1540.699	1540.732	2914	-875	1,1,1		
1121	665285.209	3248528.108	Yes	1121.34	1121.365	0.025	1121.359	1121.365	1121.367	6171	-180	1,1,1		
1127	643913.594	3255034.582	Yes	955.806	955.76	-0.046	955.748	955.753	955.762	6054	-111	1,1,1		
1127VOID	643913.595	3255034.579	Yes	955.716	955.76	0.044	955.748	955.753	955.762	6050	-111	1,1,1		
1132	629863.025	3367980.037	Yes	1298.89	1298.947	0.057	1298.921	1298.961	1298.982	4480	2438	1,1,1		
1136	570713.176	3266083.883	Yes	780.725	780.706	-0.019	780.691	780.702	780.738	5580	-383	1,1,1		
1153	684917.516	3236866.548	Yes	784.943	784.866	-0.077	784.862	784.863	784.874	4585	340	1,1,1		
1161	603803.046	3381434.82	Yes	1497.495	1497.602	0.107	1497.583	1497.602	1497.611	3126	-640	1,1,1		
1165	593926.387	3323470.869	Yes	1278.056	1278.023	-0.033	1278.01	1278.023	1278.027	3425	643	1,1,1		
1165A	593920.847	3323465.902	Yes	1277.994	1277.986	-0.008	1277.974	1277.987	1277.992	5200	660	1,1,1		
1168	659153.542	3284832.036	Yes	1116.321	1116.358	0.037	1116.357	1116.357	1116.373	4557	1162	1,1,1		
1172	637364.551	3293992.679	Yes	1197.428	1197.395	-0.033	1197.351	1197.386	1197.423	2660	-1007	1,1,1		
1173	616552.629	3378606.737	Yes	1387.924	1387.896	-0.028	1387.859	1387.908	1387.918	4384	915	1,1,1		
1177	680482.139	3272986.408	Yes	824.455	824.384	-0.071	824.364	824.393	824.397	2816	-498	1,1,1		
1186	674205.73	3245694.553	Yes	1137.03	1136.969	-0.061	1136.924	1137.002	1137.038	2887	1075	1,1,1		
1195	612186.919	3241520.688	Yes	767.852	767.814	-0.038	767.781	767.813	767.818	5342	1372	1,1,1		
1198	622883.898	3261732.982	Yes	1190.755	1190.786	0.031	1190.747	1190.777	1190.797	10192	367	1,1,1		
1201	636876.088	3310476.698	Yes	1213.825	1213.845	0.020	1213.827	1213.855	1213.856	4234	696	1,1,1		
1203	678466.052	3279968.768	Yes	812.911	812.864	-0.047	812.833	812.838	812.885	2849	-1001	1,1,1		
1205	606887.036	3338475.046	Yes	1438.029	1437.833	-0.196	1437.805	1437.825	1437.845	5739	669	1,1,1		
1205A	602285.403	3335506.437	Yes	1412.543	1412.466	-0.077	1412.458	1412.461	1412.481	6907	911	1,1,1		
1208	636586.353	3284555.03	Yes	1109.461	1109.446	-0.015	1109.434	1109.456	1109.477	7445	1396	1,1,1		
1211	688791.395	3278684.436	Yes	769.002	768.986	-0.016	768.983	768.987	768.999	6995	1781	1,1,1		
1216	641083.475	3268317.311	Yes	1048.904	1048.84	-0.064	1048.834	1048.844	1048.877	5383	1240	1,1,1		
1217	622244.454	3361719.799	Yes	1411.552	1411.535	-0.017	1411.515	1411.539	1411.547	2963	65	1,1,1		
1219	693115.625	3236930.106	Yes	694.247	694.233	-0.014	694.218	694.245	694.254	8248	981	1,1,1		
1225	604011.484	3343252.691	Yes	1433.957	1433.923	-0.034	1433.902	1433.918	1433.948	6315	-1272	1,1,1		
1232	625451.239	3371171.705	Yes	1313.554	1313.558	0.004	1313.554	1313.558	1313.559	6493	-274	1,1,1		
1234	637619.134	3298025.46	Yes	1153.712	1153.706	-0.006	1153.689	1153.706	1153.708	2604	2360	1,1,1		
1235	607865.573	3339155.721	Yes	1443.462	1443.397	-0.065	1443.389	1443.402	1443.411	6473	-2291	1,1,1		
1242	652604.796	3401870.213	Yes	1076.313	1076.457	0.144	1076.444	1076.46	1076.463	8157	1888	1,1,1		

Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Minimum Z	Median Z	Maximum Z	Intensity	Scan Angle Rank	Returns	Description	Comments
1257A	594225.244	3353505.696	Yes	1429.499	1429.637	0.138	1429.617	1429.654	1429.666	2038	-1261	1,1,1		
1271	637951.429	3345039.285	Yes	1577.423	1577.415	-0.008	1577.378	1577.414	1577.424	5187	-284	1,1,1		
1272	637371.309	3305199.265	Yes	1158.444	1158.468	0.024	1158.445	1158.449	1158.47	5332	2737	1,1,1		
1278	636539.759	3335338.79	Yes	1436.994	1436.962	-0.032	1436.941	1436.95	1437.005	3353	815	1,1,1		
1285	597152.251	3366036.419	Yes	1528.324	1528.417	0.093	1528.361	1528.383	1528.432	2437	-2067	1,1,1		
1289	592758.18	3309425.897	Yes	1212.725	1212.651	-0.074	1212.648	1212.65	1212.653	4282	672	1,1,1		
1289A	592779.768	3309392.406	Yes	1211.992	1211.999	0.007	1211.996	1212.006	1212.016	4096	734	1,1,1		
1292	613542.791	3349126.451	Yes	1547.09	1547.081	-0.009	1547.076	1547.094	1547.114	2682	689	1,1,1		
1293	635758.844	3227438.239	Yes	678.174	678.264	0.090	678.237	678.259	678.271	5583	-526	1,1,1		
1294	639336.263	3319383.853	Yes	1271.664	1271.656	-0.008	1271.642	1271.649	1271.664	4749	-1578	1,1,1		
1296	606013.853	3300143.485	Yes	1257.208	1257.174	-0.034	1257.159	1257.16	1257.195	7880	569	1,1,1		
1299	613977.513	3246700.271	Yes	850.692	850.625	-0.067	850.62	850.624	850.626	7805	-1478	1,1,1		
1300	589854	3342572.043	Yes	1375.64	1375.612	-0.028	1375.59	1375.617	1375.625	3737	1905	1,1,1		
1300A	589893.301	3342553.19	Yes	1375.105	1375.103	-0.002	1375.084	1375.101	1375.107	5710	1787	1,1,1		
1308	654916.069	3347135.304	Yes	1335.585	1335.633	0.048	1335.595	1335.629	1335.673	2541	-258	1,1,1		
1313	653520.258	3232254.279	Yes	977.059	977.094	0.035	977.073	977.084	977.121	3344	2442	1,1,1		
1314	647158.205	3225520.645	Yes	725.416	725.454	0.038	725.441	725.446	725.473	5438	1554	1,1,1		
1327	631136.847	3281758.345	Yes	1040.532	1040.542	0.010	1040.54	1040.542	1040.543	8196	1461	1,1,1		
1335	634665.685	3243377.267	Yes	826.496	826.49	-0.006	826.477	826.494	826.496	2885	-1139	1,1,1		
1345	629144.574	3277598.309	Yes	1069.544	1069.561	0.017	1069.554	1069.568	1069.571	7388	1075	1,1,1		
1346	595563.745	3360973.217	Yes	1478.979	1479.106	0.127	1479.1	1479.107	1479.121	3901	2627	1,1,1		
1348	681095.422	3263060.386	Yes	898.883	898.85	-0.033	898.839	898.841	898.859	2374	1356	1,1,1		
110103	599896.724	3322235.582	Yes	1268.629	1268.579	-0.050	1268.566	1268.569	1268.608	5588	1430	1,1,1		
110104	602430.176	3315608.047	Yes	1303.886	1303.914	0.028	1303.912	1303.913	1303.918	6056	784	1,1,1		
112103	646338.53	3274925.14	Yes	1001.666	1001.554	-0.112	1001.526	1001.538	1001.592	6686	2195	1,1,1		
115101	609374.214	3264881.361	Yes	1371.412	1371.407	-0.005	1371.401	1371.402	1371.412	3949	-72	1,1,1		
115102	588415.489	3262927.564	Yes	1116.967	1116.911	-0.056	1116.884	1116.895	1116.932	3830	-1700	1,1,1		
116103	588325.397	3284853.254	Yes	1082.412	1082.281	-0.131	1082.272	1082.283	1082.288	4855	-2061	1,1,1		
116105	585605.887	3285671.583	Yes	1055.873	1055.903	0.030	1055.898	1055.901	1055.923	6717	-797	1,1,1		
117101	631651.572	3255800.796	Yes	896.482	896.47	-0.012	896.433	896.462	896.48	6663	2415	1,1,1		
117102	648607.037	3243758.943	Yes	876.677	876.637	-0.040	876.611	876.635	876.64	4308	-1597	1,1,1		
117105	652435.229	3215422.221	Yes	643.109	643.127	0.018	643.108	643.132	643.145	6393	1416	1,1,1		
118102	646031.968	3284241.107	Yes	1112.535	1112.513	-0.022	1112.508	1112.509	1112.524	5959	38	1,1,1		
118105	636894.437	3310445.187	Yes	1213.846	1213.795	-0.051	1213.782	1213.793	1213.8	1960	747	1,1,1		
1051001	634610.091	3352893.627	Yes	1568.224	1568.215	-0.009	1568.149	1568.237	1568.241	2824	-910	1,1,1		

Check Points Vertical Accuracy - continued

ID	X	Y	Coverage	Z	Z From Lidar	Z Error	Minimum Z	Median Z	Maximum Z	Intensity	Scan Angle Rank	Returns	Description	Comments
1051007	633836.334	3342329.815	Yes	1503.331	1503.379	0.048	1503.368	1503.386	1503.403	4164	2187	1,1,1		
1051013	651634.063	3268611.842	Yes	1038.287	1038.264	-0.023	1038.261	1038.27	1038.28	6622	845	1,1,1		
1051017	656398.971	3266191.15	Yes	1013.424	1013.452	0.028	1013.445	1013.453	1013.464	5950	2682	1,1,1		
1051020	660089.407	3276152.236	Yes	975.786	975.798	0.012	975.78	975.799	975.815	6598	-905	1,1,1		
1061003	601455.237	3335007.262	Yes	1406.659	1406.663	0.004	1406.659	1406.662	1406.669	4769	-1501	1,1,1		
1061009	592684.887	3335568.002	Yes	1324.959	1324.912	-0.047	1324.904	1324.915	1324.917	5761	1271	1,1,1		