# Fugro EarthData's Accuracy Assessment Form ( QC Master)

**Project Name/Number:** Dardanelle Reservoir LIDAR | **Date:** 9/27/2016 | **Tian Wang**

| Coordinate System: | Horizontal Datum: | UTM Zone or SPC Zone name: | QC Points Source: | For Elevation purposes only (NA), is: |
|---|---|---|---|---|
| UTM | WGS(2011) | 15 R utm 15 N | Field GPS | Wet |
| Units: | Product type: | GSD/Post Spacing: | Vertical Datum: | Vertical Accuracy Value |
| Meters | LiDAR | 0.7 m | NAVD88(Geoid09) | Non-Vertical |

| Enter Value in GSD | 0.10 | (Meter) |
|---|---|---|
| Suggested Height RMSE According to Map Scale: | 1.80 | (Meter) |

| Block ID: | | Author(s)/ASPRS* generated by Fugro EarthData | | | ASPRS* Points as perceived in the Field | | | Residual error ( Measured coordinates – Surveyed coordinates) | | | Normalized error = Residuals - bias | | | Comments |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Point ID | Block/Model Point ID | UTM zone 15 N Northing (N) (Meter) | NAD83(2011) Northing (N) (Meter) | NAVD88(Geoid09) Elevation (H) (Meter) | UTM zone 15 N Northing (N) (Meter) | NAD83(2011) Northing (N) (Meter) | NAVD88(Geoid09) Elevation (H) (Meter) | ΔN (Northing) (Meter) | ΔN (Northing) (Meter) | ΔH (Elevation) (Meter) | ΔN (Northing) (Meter) | ΔN (Northing) (Meter) | ΔH (Elevation) (Meter) | |
| GCP60 | | 402947.485 | 3698157.977 | 154.778 | 402947.485 | 3698157.977 | 154.778 | No Data | No Data | -0.014 | No Data | No Data | -0.073 | |
| GCP61 | | 408345.883 | 3695575.640 | 139.351 | 408345.883 | 3695575.640 | 139.351 | No Data | No Data | -0.016 | No Data | No Data | -0.072 | |
| GCP62 | | 403383.322 | 3692772.754 | 312.353 | 403383.322 | 3692772.754 | 312.353 | No Data | No Data | -0.016 | No Data | No Data | -0.005 | |
| GCP64 | | 408005.448 | 3692777.967 | 179.396 | 408005.448 | 3692777.967 | 179.396 | No Data | No Data | -0.008 | No Data | No Data | -0.049 | |
| GCP65 | | 413364.417 | 3688433.609 | 155.133 | 413364.417 | 3688433.609 | 155.133 | No Data | No Data | 0.010 | No Data | No Data | -0.003 | |
| GCP66 | | 423587.396 | 3691431.275 | 130.827 | 423587.396 | 3691431.275 | 130.827 | No Data | No Data | 0.004 | No Data | No Data | -0.007 | |
| GCP67 | | 424591.354 | 3692513.767 | 140.082 | 424591.354 | 3692513.767 | 140.082 | No Data | No Data | -0.023 | No Data | No Data | -0.034 | |
| GCP68 | | 429489.020 | 3691096.213 | 220.119 | 429489.020 | 3691096.213 | 220.119 | No Data | No Data | -0.026 | No Data | No Data | -0.037 | |
| GCP69 | | 430272.500 | 3687567.883 | 169.430 | 430272.500 | 3687567.883 | 169.430 | No Data | No Data | 0.006 | No Data | No Data | -0.025 | |
| GCP70 | | 440052.557 | 3691936.584 | 107.358 | 440052.557 | 3691936.584 | 107.358 | No Data | No Data | -0.087 | No Data | No Data | -0.098 | |
| GCP71 | | 439784.175 | 3687701.926 | 205.679 | 439784.175 | 3687701.926 | 205.679 | No Data | No Data | -0.005 | No Data | No Data | -0.016 | |
| GCP72 | | 439780.942 | 3683481.269 | 206.347 | 439780.942 | 3683481.269 | 206.347 | No Data | No Data | 0.037 | No Data | No Data | 0.026 | |
| GCP73 | | 439850.572 | 3680528.568 | 355.582 | 439850.572 | 3680528.568 | 355.582 | No Data | No Data | -0.005 | No Data | No Data | -0.016 | |
| GCP74 | | 441196.581 | 3697461.491 | 152.884 | 441196.581 | 3697461.491 | 152.884 | No Data | No Data | -0.006 | No Data | No Data | -0.017 | |
| GCP75 | | 440365.179 | 3692738.695 | 580.919 | 440365.179 | 3692738.695 | 580.919 | No Data | No Data | 0.087 | No Data | No Data | 0.076 | |
| GCP76 | | 452489.354 | 3698367.932 | 133.271 | 452489.354 | 3698367.932 | 133.271 | No Data | No Data | 0.043 | No Data | No Data | 0.032 | |
| GCP77 | | 452077.758 | 3695135.779 | 335.311 | 452077.758 | 3695135.779 | 335.311 | No Data | No Data | -0.022 | No Data | No Data | -0.033 | |
| GCP78 | | 453062.652 | 3693391.100 | 553.268 | 453062.652 | 3693391.100 | 553.268 | No Data | No Data | 0.015 | No Data | No Data | 0.004 | |
| GCP79 | | 450232.741 | 3691535.026 | 123.803 | 450232.741 | 3691535.026 | 123.803 | No Data | No Data | 0.022 | No Data | No Data | 0.011 | |
| GCP80 | | 453137.618 | 3695291.562 | 601.901 | 453137.618 | 3695291.562 | 601.901 | No Data | No Data | 0.040 | No Data | No Data | 0.029 | |
| GCP81 | | 471231.742 | 3694587.384 | 523.271 | 471231.742 | 3694587.384 | 523.271 | No Data | No Data | -0.002 | No Data | No Data | -0.013 | |
| GCP82 | | 471026.141 | 3691841.559 | 112.154 | 471026.141 | 3691841.559 | 112.154 | No Data | No Data | 0.048 | No Data | No Data | 0.037 | |
| GCP83 | | 471053.256 | 3687195.589 | 678.185 | 471053.256 | 3687195.589 | 678.185 | No Data | No Data | -0.010 | No Data | No Data | -0.021 | |
| GCP84 | | 471238.942 | 3683072.583 | 148.358 | 471238.942 | 3683072.583 | 148.358 | No Data | No Data | -0.004 | No Data | No Data | -0.015 | |
| GCP85 | | 471359.354 | 3680355.673 | 114.659 | 471359.354 | 3680355.673 | 114.659 | No Data | No Data | -0.029 | No Data | No Data | -0.040 | |
| GCP86 | | 473758.611 | 3698857.589 | 771.539 | 473758.611 | 3698857.589 | 771.539 | No Data | No Data | 0.025 | No Data | No Data | 0.014 | |
| GCP87 | | 473363.316 | 3693392.225 | 112.337 | 473363.316 | 3693392.225 | 112.337 | No Data | No Data | -0.005 | No Data | No Data | -0.016 | |
| GCP88 | | 473458.275 | 3687458.354 | 151.409 | 473458.275 | 3687458.354 | 151.409 | No Data | No Data | 0.050 | No Data | No Data | 0.039 | |
| GCP89 | | 473633.665 | 3683392.035 | 830.173 | 473633.665 | 3683392.035 | 830.173 | No Data | No Data | -0.004 | No Data | No Data | -0.015 | |
| GCP90 | | 469658.842 | 3691096.307 | 566.704 | 469658.842 | 3691096.307 | 566.704 | No Data | No Data | 0.015 | No Data | No Data | 0.004 | |
| GCP91 | | 467574.549 | 3691595.092 | 135.066 | 467574.549 | 3691595.092 | 135.066 | No Data | No Data | 0.050 | No Data | No Data | 0.039 | |
| GCP92 | | 472.964 | 3693738.449 | 423.012 | 491187.919 | 3693738.449 | 423.012 | No Data | No Data | -0.048 | No Data | No Data | -0.059 | |
| GCP93 | | 491.780 | 3692771.860 | 331.392 | 500646.677 | 3692771.860 | 331.392 | No Data | No Data | 0.015 | No Data | No Data | 0.004 | |
| GCP94 | | 185.188 | 3686280.730 | 585.179 | 502934.869 | 3686280.730 | 585.179 | No Data | No Data | 0.009 | No Data | No Data | -0.002 | |
| GCP95 | | 180.262 | 3683954.900 | 590.328 | 510661.491 | 3683954.900 | 590.328 | No Data | No Data | -0.066 | No Data | No Data | -0.077 | |
| GCP96 | | 181.293 | 3680901.561 | 561.309 | 511764.048 | 3680901.561 | 561.309 | No Data | No Data | -0.016 | No Data | No Data | -0.027 | |
| GCP97 | | 183.331 | 3695457.299 | 533.350 | 511965.053 | 3695457.299 | 533.350 | No Data | No Data | -0.029 | No Data | No Data | -0.040 | |
| GCP98 | | 184.928 | 3693329.913 | 524.350 | 514357.537 | 3693329.913 | 524.350 | No Data | No Data | -0.022 | No Data | No Data | -0.033 | |
| NVA01 | | 184.727 | 3691895.885 | 156.679 | 487877.116 | 3691895.885 | 156.679 | No Data | No Data | 0.058 | No Data | No Data | 0.047 | |
| NVA02 | | 212.968 | 3689508.704 | 213.000 | 487367.015 | 3689508.704 | 213.000 | No Data | No Data | -0.022 | No Data | No Data | -0.043 | |
| NVA03 | | 201.791 | 3685531.329 | 221.727 | 491019.987 | 3685531.329 | 221.727 | No Data | No Data | 0.064 | No Data | No Data | 0.053 | |
| NVA04 | | 208.941 | 3685865.996 | 238.933 | 499882.225 | 3685865.996 | 238.933 | No Data | No Data | 0.008 | No Data | No Data | -0.003 | |
| NVA05 | | 218.033 | 3682011.794 | 218.023 | 500188.951 | 3682011.794 | 218.023 | No Data | No Data | 0.036 | No Data | No Data | 0.025 | |
| NVA06 | | 150.997 | 3680888.554 | 150.850 | 499088.554 | 3680888.554 | 150.850 | No Data | No Data | 0.047 | No Data | No Data | 0.036 | |
| NVA07 | | 201.792 | 3677748.347 | 331.706 | 500989.056 | 3677748.347 | 331.706 | No Data | No Data | 0.056 | No Data | No Data | 0.045 | |
| NVA08 | | 210.522 | 3675836.563 | 210.504 | 505030.936 | 3675836.563 | 210.504 | No Data | No Data | -0.002 | No Data | No Data | -0.013 | |
| NVA09 | | 481.153 | 3694286.360 | 391.642 | 506395.755 | 3694286.360 | 391.642 | No Data | No Data | 0.117 | No Data | No Data | 0.106 | |
| NVA10 | | 485.716 | 3691929.010 | 485.577 | 513423.035 | 3691929.010 | 485.577 | No Data | No Data | 0.179 | No Data | No Data | 0.168 | |
| NVA11 | | 579.164 | 3686553.897 | 579.532 | 516358.150 | 3686553.897 | 579.532 | No Data | No Data | 0.029 | No Data | No Data | 0.018 | |
| NVA12 | | 156.676 | 3683353.721 | 156.100 | 499042.818 | 3683353.721 | 156.100 | No Data | No Data | -0.024 | No Data | No Data | -0.035 | |
| NVA13 | | 183.737 | 3680944.885 | 185.720 | 493989.886 | 3680944.885 | 185.720 | No Data | No Data | 0.017 | No Data | No Data | 0.006 | |
| NVA14 | | 147.383 | 3678117.544 | 149.383 | 443935.236 | 3678117.544 | 149.383 | No Data | No Data | 0.102 | No Data | No Data | 0.091 | |
| NVA15 | | 149.855 | 3675311.447 | 149.797 | 440900.803 | 3675311.447 | 149.797 | No Data | No Data | 0.055 | No Data | No Data | 0.042 | |
| NVA16 | | 191.766 | 3679834.795 | 191.754 | 433391.766 | 3679834.795 | 191.754 | No Data | No Data | 0.035 | No Data | No Data | 0.024 | |
| NVA17 | | 164.889 | 3682848.885 | 164.875 | 430010.343 | 3682848.885 | 164.875 | No Data | No Data | 0.018 | No Data | No Data | 0.007 | |
| NVA18 | | 116.641 | 3686827.363 | 116.471 | 429882.153 | 3686827.363 | 116.471 | No Data | No Data | -0.030 | No Data | No Data | -0.041 | |
| NVA19 | | 145.302 | 3690256.898 | 145.322 | 429926.764 | 3690256.898 | 145.322 | No Data | No Data | -0.020 | No Data | No Data | -0.031 | |
| NVA20 | | 113.382 | 3692814.532 | 113.430 | 429914.532 | 3692814.532 | 113.430 | No Data | No Data | -0.047 | No Data | No Data | -0.058 | |
| NVA21 | | 144.786 | 3695108.198 | 144.828 | 429100.198 | 3695108.198 | 144.828 | No Data | No Data | -0.064 | No Data | No Data | -0.075 | |
| NVA22 | | 126.873 | 3699271.362 | 126.987 | 418733.249 | 3699271.362 | 126.987 | No Data | No Data | 0.096 | No Data | No Data | -0.005 | |
| NVA23 | | 146.883 | 3700585.398 | 146.885 | 411765.495 | 3700585.398 | 146.885 | No Data | No Data | -0.001 | No Data | No Data | -0.012 | |
| NVA24 | | 186.366 | 3699128.919 | 186.309 | 413960.960 | 3699128.919 | 186.309 | No Data | No Data | -0.064 | No Data | No Data | -0.075 | |
| NVA25 | | 228.645 | 3693005.743 | 228.612 | 411321.983 | 3693005.743 | 228.612 | No Data | No Data | -0.066 | No Data | No Data | -0.077 | |
| NVA26 | | 206.426 | 3691622.383 | 206.405 | 405269.545 | 3691622.383 | 206.405 | No Data | No Data | 0.019 | No Data | No Data | 0.008 | |
| NVA27 | | 128.514 | 3690648.662 | 128.528 | 400331.569 | 3690648.662 | 128.528 | No Data | No Data | -0.014 | No Data | No Data | -0.025 | |
| NVA28 | | 142.032 | 3690740.339 | 142.055 | 400101.245 | 3690740.339 | 142.055 | No Data | No Data | -0.023 | No Data | No Data | -0.034 | |
| NVA29 | | 134.471 | 3692723.878 | 135.490 | 410311.565 | 3692723.878 | 135.490 | No Data | No Data | -0.017 | No Data | No Data | -0.028 | |
| NVA30 | | 150.692 | 3690449.992 | 120.688 | 451905.532 | 3690449.992 | 120.688 | No Data | No Data | -0.006 | No Data | No Data | -0.017 | |
| NVA31 | | 107.591 | 3691608.529 | 107.540 | 459953.338 | 3691608.529 | 107.540 | No Data | No Data | 0.051 | No Data | No Data | 0.040 | |
| NVA32 | | 136.236 | 3691665.970 | 135.217 | 442613.176 | 3691665.970 | 135.217 | No Data | No Data | 0.019 | No Data | No Data | 0.008 | |
| NVA33 | | 185.550 | 3689488.877 | 185.483 | 429715.664 | 3689488.877 | 185.483 | No Data | No Data | -0.017 | No Data | No Data | -0.006 | |
| NVA34 | | 112.368 | 3693994.934 | 112.375 | 474931.956 | 3693994.934 | 112.375 | No Data | No Data | -0.007 | No Data | No Data | -0.018 | |
| NVA35 | | 231.280 | 3693730.951 | 231.284 | 457174.241 | 3693730.951 | 231.284 | No Data | No Data | -0.004 | No Data | No Data | -0.015 | |
| NVA36 | | 123.671 | 3695477.440 | 123.688 | 458767.076 | 3695477.440 | 123.688 | No Data | No Data | -0.017 | No Data | No Data | -0.028 | |
| NVA37 | | 154.881 | 3699612.424 | 154.382 | 460799.242 | 3699612.424 | 154.382 | No Data | No Data | -0.026 | No Data | No Data | -0.047 | |
| NVA38 | | 166.573 | 3699199.750 | 197.003 | 487410.956 | 3699199.750 | 197.003 | No Data | No Data | -0.000 | No Data | No Data | -0.041 | |
| NVA39 | | 180.440 | 3699275.835 | 202.922 | 487119.835 | 3699275.835 | 202.922 | No Data | No Data | -0.058 | No Data | No Data | -0.099 | |
| NVA40 | | 139.966 | 3695893.169 | 139.959 | 485489.296 | 3695893.169 | 139.959 | No Data | No Data | 0.046 | No Data | No Data | 0.035 | |
| NVA41 | | 203.553 | 3694348.048 | 210.414 | 477083.693 | 3694348.048 | 210.414 | No Data | No Data | 0.115 | No Data | No Data | 0.104 | |
| NVA42 | | 127.291 | 3691678.782 | 127.247 | 488987.160 | 3691678.782 | 127.247 | No Data | No Data | 0.044 | No Data | No Data | 0.033 | |
| NVA43 | | 116.411 | 3688988.734 | 116.342 | 481331.699 | 3688988.734 | 116.342 | No Data | No Data | 0.069 | No Data | No Data | 0.078 | |
| NVA44 | | 119.272 | 3686891.431 | 119.167 | 490267.001 | 3686891.431 | 119.167 | No Data | No Data | 0.105 | No Data | No Data | 0.094 | |
| NVA45 | | 132.511 | 3682178.397 | 132.504 | 491204.994 | 3682178.397 | 132.504 | No Data | No Data | 0.009 | No Data | No Data | -0.002 | |
| NVA46 | | 164.284 | 3677543.460 | 164.312 | 502891.231 | 3677543.460 | 164.312 | No Data | No Data | -0.028 | No Data | No Data | -0.039 | |
| NVA47 | | 499.013 | 3681178.964 | 499.000 | 502336.051 | 3681178.964 | 499.000 | No Data | No Data | 0.031 | No Data | No Data | -0.008 | |
| NVA48 | | 656.721 | 3685817.569 | 656.724 | 491691.229 | 3685817.569 | 656.724 | No Data | No Data | -0.003 | No Data | No Data | -0.014 | |
| NVA49 | | 595.168 | 3687004.649 | 595.028 | 491107.757 | 3687004.649 | 595.028 | No Data | No Data | -0.040 | No Data | No Data | -0.051 | |
| NVA50 | | 569.652 | 3692130.557 | 569.652 | 487871.393 | 3692130.557 | 569.652 | No Data | No Data | 0.014 | No Data | No Data | 0.003 | |
| NVA51 | | 662.898 | 3698008.371 | 662.777 | 458499.889 | 3698008.371 | 662.777 | No Data | No Data | 0.001 | No Data | No Data | 0.070 | |
| NVA52 | | 640.598 | 3699755.067 | 640.421 | 465340.157 | 3699755.067 | 640.421 | No Data | No Data | -0.023 | No Data | No Data | -0.034 | |
| NVA53 | | 325.150 | 3699758.543 | 325.150 | 467525.895 | 3699758.543 | 325.150 | No Data | No Data | 0.026 | No Data | No Data | 0.015 | |
| NVA54 | | 568.193 | 3691918.552 | 568.203 | 482839.588 | 3691918.552 | 568.203 | No Data | No Data | -0.014 | No Data | No Data | -0.025 | |
| NVA55 | | 191.329 | 3691918.069 | 191.329 | 482671.715 | 3691918.069 | 191.329 | No Data | No Data | 0.014 | No Data | No Data | 0.003 | |
| NVA56 | | 195.505 | 3694355.731 | 195.505 | 486452.951 | 3694355.731 | 195.505 | No Data | No Data | 0.024 | No Data | No Data | 0.013 | |
| NVA57 | | 590.553 | 3696265.336 | 590.553 | 482905.752 | 3696265.336 | 590.553 | No Data | No Data | 0.038 | No Data | No Data | 0.027 | |
| NVA58 | | 363.470 | 3699501.363 | 363.463 | 437602.042 | 3699501.363 | 363.463 | No Data | No Data | -0.006 | No Data | No Data | -0.017 | |
| NVA59 | | 111.784 | 3702238.895 | 111.893 | 431845.340 | 3702238.895 | 111.893 | No Data | No Data | 0.059 | No Data | No Data | 0.048 | |
| NVA60 | | 118.421 | 3695617.367 | 118.421 | 433115.418 | 3695617.367 | 118.421 | No Data | No Data | 0.062 | No Data | No Data | 0.051 | |
| NVA61 | | 260.364 | 3693014.597 | 260.364 | 432077.473 | 3693014.597 | 260.364 | No Data | No Data | 0.033 | No Data | No Data | 0.022 | |
| NVA62 | | 115.426 | 3690882.356 | 115.426 | 439271.439 | 3690882.356 | 115.426 | No Data | No Data | -0.015 | No Data | No Data | -0.026 | |
| NVA63 | | 119.375 | 3688318.717 | 119.375 | 438485.274 | 3688318.717 | 119.375 | No Data | No Data | 0.065 | No Data | No Data | 0.054 | |
| NVA64 | | 404.601 | 3684319.372 | 404.601 | 506295.489 | 3684319.372 | 404.601 | No Data | No Data | -0.080 | No Data | No Data | -0.091 | |
| NVA65 | | 123.210 | 3690915.075 | 123.210 | 492982.814 | 3690915.075 | 123.210 | No Data | No Data | 0.025 | No Data | No Data | 0.014 | |
| NVA66 | | 152.728 | 3688818.117 | 152.728 | 414989.343 | 3688818.117 | 152.728 | No Data | No Data | 0.009 | No Data | No Data | -0.002 | |
| NVA67 | | 127.892 | 3692571.801 | 127.892 | 417905.402 | 3692571.801 | 127.892 | No Data | No Data | 0.018 | No Data | No Data | 0.007 | |
| NVA68 | | 167.153 | 3692161.781 | 167.153 | 453739.236 | 3692161.781 | 167.153 | No Data | No Data | 0.111 | No Data | No Data | 0.100 | |
| NVA69 | | 210.933 | 3693174.744 | 210.933 | 446395.120 | 3693174.744 | 210.933 | No Data | No Data | -0.003 | No Data | No Data | -0.014 | |
| NVA70 | | 169.659 | 3694782.978 | 169.659 | 447662.634 | 3694782.978 | 169.659 | No Data | No Data | 0.030 | No Data | No Data | 0.019 | |
| NVA71 | | 172.165 | 3694146.558 | 172.165 | 452477.475 | 3694146.558 | 172.165 | No Data | No Data | 0.037 | No Data | No Data | 0.026 | |
| NVA72 | | 792.006 | 3694146.231 | 792.006 | 462842.979 | 3694146.231 | 792.006 | No Data | No Data | -0.010 | No Data | No Data | -0.021 | |
| NVA73 | | 516.325 | 3694548.732 | 516.325 | 464964.135 | 3694548.732 | 516.325 | No Data | No Data | -0.022 | No Data | No Data | -0.033 | |
| NVA74 | | 123.684 | 3695045.053 | 123.684 | 463422.809 | 3695045.053 | 123.684 | No Data | No Data | -0.030 | No Data | No Data | -0.041 | |
| NVA75 | | 220.673 | 3698145.040 | 220.673 | 462368.890 | 3698145.040 | 220.673 | No Data | No Data | 0.014 | No Data | No Data | 0.003 | |
| NVA76 | | 129.068 | 3692231.231 | 129.068 | 462356.515 | 3692231.231 | 129.068 | No Data | No Data | 0.053 | No Data | No Data | 0.042 | |
| NVA77 | | 118.796 | 3691001.843 | 118.796 | 465284.352 | 3691001.843 | 118.796 | No Data | No Data | 0.013 | No Data | No Data | 0.002 | |
| NVA78 | | 174.166 | 3691555.677 | 174.166 | 466930.272 | 3691555.677 | 174.166 | No Data | No Data | -0.049 | No Data | No Data | -0.060 | |
| NVA79 | | 234.015 | 3693875.528 | 234.015 | 459132.454 | 3693875.528 | 234.015 | No Data | No Data | 0.027 | No Data | No Data | 0.016 | |

| | | | | | | |
|---|---|---|---|---|---|---|
| Number of check points | 0 | 0 | 117 | 0 | 0 | 117 |
| Mean (Bias) | No Data | No Data | 0.03 | No Data | No Data | 0.00 |
| Sigma | No Data | No Data | 0.04 | No Data | No Data | 0.04 |
| RMSE | No Data | No Data | 0.04 | No Data | No Data | 0.04 |
| Units: | (Meter) | | | | | |

<<<<< Normalized RMSE after bias

**1 LEGENDS:** Surveyed Points (X, Y, Z) = SMPS | RED AE,AN,AH --> I.e 90% of NSSDA

**Accuracy Computations** (before bias removal): GSD = 0.7 m (Meter) | Suggested Mapping Scale: 1:6,000 | Suggested Height RMSE according to map scale = 0.00

| ASPRS | | | | | |
|---|---|---|---|---|---|
| Horizontal RMSE (R) = | No Data | | Max. Allowable RMSE (x-y) = | 5.08 | (Meter) |
| Horizontal RMSE (R) = | No Data | | Max. Allowable RMSE (x,y) = | x. xx | (Meter) |
| Circular (RMSE_r) = | No Data | | Max. Allowable circular RMSE= | 8.93 | (Meter) |
| Vertical (RMSE_z) = | 0.04 | Passed :) | Max. Allowable RMSE (z-Height) = | 0.35 | (Meter) |

| NSSDA | | | | | |
|---|---|---|---|---|---|
| Horizontal (radial at 95% = Circular error) | No Data | | Max. Allowable Horizontal Error at 95% = | 13.50 | (Meter) |
| Vertical (radial at 95% = Linear error) | 0.08 | Passed :) | Max. Allowable Vertical Error at 95% = | 0.35 | (Meter) |

| National Mapc Accuracy (NMAS) | | | | | |
|---|---|---|---|---|---|
| Horizontal Accuracy at 90%= | No Data | | Max. Allowable Horizontal Error at 90% = | 12.15 | (Meter) |
| Vertical Accuracy at 90%= | 0.07 | Passed :) | Max. Allowable Vertical Error at 90% = | 0.17 | (Meter) |

**Bias Treatment Summary**

| | | | | | |
|---|---|---|---|---|---|
| To remove the vertical bias's effect from the elevation, | Lower | the vector/DEM data by | 0.011 | (Meter) |
| To remove the **horizontal** bias's effect from planametric **E**, | No Data | the vector EASTING the value | No Data | (Meter) |
| To remove the **horizontal** bias's effect from planametric **N**, | No Data | the vector NORTHING the value | No Data | (Meter) |

**Normalized Accuracy Computations** (after bias removal):

| ASPRS | | | | | |
|---|---|---|---|---|---|
| Horizontal RMSE (R) = | No Data | | Max. Allowable RMSE (x-y) = | 5.08 | (Meter) |
| Horizontal RMSE (R) = | No Data | | | 5.08 | (Meter) |
| Circular (RMSE_r) = | No Data | | Max. Allowable circular RMSE= | 8.93 | (Meter) |
| Vertical (RMSE_z) = | 0.04 | Passed :) | Max. Allowable RMSE (z-Height) = | 0.35 | (Meter) |

| NSSDA | | | | | |
|---|---|---|---|---|---|
| Horizontal (radial at 95% = Circular error) | No Data | | Max. Allowable Horizontal Error at 95% = | 13.50 | (Meter) |
| Vertical (radial at 95% = Linear error) | 0.08 | Passed :) | Max. Allowable Vertical Error at 95% = | 0.35 | (Meter) |

| National Mapc Accuracy (NMAS) | | | | | |
|---|---|---|---|---|---|
| Horizontal Accuracy at 90%= | No Data | | Max. Allowable Horizontal Error at 90% = | 12.19 | (Meter) |
| Vertical Accuracy at 90%= | 0.07 | Passed :) | Max. Allowable Vertical Error at 90% = | 0.17 | (Meter) |