

UTM Zone at 50% Date North	UTM Zone at 50% Date North	IC Points Datum	For Elevation purposes use F.M. Y. REF	Enter Value in GS	<b>0.10</b>	(Meter)
UTM	UTM zone 18 N	WGS84	Vertical Datum	Supported Height RMSE according to Map Scale	<b>1.80</b>	(Meter)

Block ID	Orthorectified DEM measured by Fugro EarthData						RMSE Points as surveyed by the Pilot			Residual error = Measured conditions - surveyed coordinates			Normalized error = Residuals - bias			Comments
	Point ID	Back/Side/Block ID	UTM zone 18 N Easting (E) (Meter)	NAD83(2011) Northing (N) (Meter)	WGS84(2011) Elevation (E) (Meter)	UTM zone 18 N Easting (E) (Meter)	NAD83(2011) Northing (N) (Meter)	WGS84(2011) Elevation (E) (Meter)	ΔE (Easting) (Meter)	ΔN (Northing) (Meter)	ΔH (Elevation) (Meter)	ΔE (Easting) (Meter)	ΔN (Northing) (Meter)	ΔH (Elevation) (Meter)		
BC01			332.856	395111.234	4032925.895	332.808	No Data	No Data	0.048	No Data	No Data	0.050	No Data	0.050		
BC02			343.189	395293.624	4029295.158	343.192	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
BC03			352.716	395664.880	4017893.505	352.712	No Data	No Data	0.003	No Data	No Data	0.005	No Data	0.005		
BC04			334.790	395987.654	4008293.540	334.827	No Data	No Data	-0.037	No Data	No Data	-0.035	No Data	-0.035		
BC05			305.902	396290.292	3999899.769	305.870	No Data	No Data	0.032	No Data	No Data	0.034	No Data	0.034		
BC06			380.391	397603.417	4029943.264	382.453	No Data	No Data	-0.062	No Data	No Data	-0.060	No Data	-0.060		
BC07			319.914	397907.967	4004885.345	319.917	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
BC08			352.532	398125.254	4035997.103	352.573	No Data	No Data	-0.041	No Data	No Data	-0.045	No Data	-0.045		
BC09			348.194	398626.761	4019214.182	348.184	No Data	No Data	0.010	No Data	No Data	0.008	No Data	0.008		
BC10			370.722	394878.200	4011730.572	370.652	No Data	No Data	0.070	No Data	No Data	0.072	No Data	0.072		
BC11			399.021	402771.047	4037699.952	399.044	No Data	No Data	-0.023	No Data	No Data	-0.021	No Data	-0.021		
BC12			384.143	402852.890	4027950.432	384.146	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
BC13			376.030	403783.698	4018298.535	376.038	No Data	No Data	-0.008	No Data	No Data	-0.006	No Data	-0.006		
BC14			398.424	403389.113	4007917.792	398.395	No Data	No Data	0.029	No Data	No Data	0.041	No Data	0.041		
BC15			449.488	411543.699	4031946.455	449.491	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
BC16			328.481	411821.120	4031958.993	328.473	No Data	No Data	0.008	No Data	No Data	0.010	No Data	0.010		
NVA01			257.495	36367.005	3998817.383	257.487	No Data	No Data	0.008	No Data	No Data	0.010	No Data	0.010		
NVA02			328.144	36589.722	4003424.016	328.127	No Data	No Data	0.017	No Data	No Data	0.019	No Data	0.019		
NVA03			298.657	370311.503	4002935.913	298.647	No Data	No Data	0.010	No Data	No Data	0.012	No Data	0.012		
NVA04			297.129	378192.887	4002201.887	297.052	No Data	No Data	0.077	No Data	No Data	0.039	No Data	0.039		
NVA05			278.816	374802.077	4003966.321	278.781	No Data	No Data	0.035	No Data	No Data	0.051	No Data	0.051		
NVA06			289.709	386297.464	4007074.926	289.726	No Data	No Data	-0.017	No Data	No Data	-0.008	No Data	-0.008		
NVA07			296.859	397034.081	4007994.211	296.872	No Data	No Data	-0.013	No Data	No Data	-0.011	No Data	-0.011		
NVA08			318.418	407184.122	4018813.728	318.449	No Data	No Data	-0.031	No Data	No Data	-0.030	No Data	-0.030		
NVA09			395.900	413184.260	4014867.268	395.958	No Data	No Data	-0.058	No Data	No Data	-0.056	No Data	-0.056		
NVA10			345.511	389595.626	4003934.011	345.488	No Data	No Data	0.023	No Data	No Data	0.025	No Data	0.025		
NVA11			309.893	394207.615	4010095.198	309.794	No Data	No Data	0.099	No Data	No Data	0.091	No Data	0.091		
NVA12			344.967	38379.914	4012888.725	344.952	No Data	No Data	0.015	No Data	No Data	0.017	No Data	0.017		
NVA13			319.870	39272.029	4005917.708	319.871	No Data	No Data	-0.001	No Data	No Data	-0.001	No Data	-0.001		
NVA14			291.436	391952.009	4007445.543	291.463	No Data	No Data	-0.028	No Data	No Data	-0.028	No Data	-0.028		
NVA15			333.235	393509.833	4011555.044	333.261	No Data	No Data	-0.026	No Data	No Data	-0.024	No Data	-0.024		
NVA16			333.006	393665.009	4011555.044	333.031	No Data	No Data	-0.025	No Data	No Data	-0.023	No Data	-0.023		
NVA17			337.037	391567.512	4018800.730	337.062	No Data	No Data	-0.025	No Data	No Data	-0.023	No Data	-0.023		
NVA18			330.791	390929.739	4022879.482	330.799	No Data	No Data	-0.008	No Data	No Data	-0.006	No Data	-0.006		
NVA19			300.381	395841.881	4027925.481	300.403	No Data	No Data	-0.022	No Data	No Data	-0.007	No Data	-0.007		
NVA20			366.415	397878.876	4037871.816	366.427	No Data	No Data	-0.012	No Data	No Data	-0.010	No Data	-0.010		
NVA21			317.269	411868.879	4020890.114	317.309	No Data	No Data	-0.040	No Data	No Data	-0.033	No Data	-0.033		
NVA22			300.057	390189.262	4034834.780	300.046	No Data	No Data	0.011	No Data	No Data	0.013	No Data	0.013		
NVA23			318.157	408275.273	4026990.053	318.178	No Data	No Data	-0.021	No Data	No Data	-0.019	No Data	-0.019		
NVA24			314.643	391867.741	4030396.187	314.507	No Data	No Data	0.136	No Data	No Data	0.062	No Data	0.062		
NVA25			371.192	377431.838	4032881.768	371.207	No Data	No Data	-0.015	No Data	No Data	-0.013	No Data	-0.013		
NVA26			389.291	384975.497	4029893.556	389.276	No Data	No Data	0.016	No Data	No Data	0.018	No Data	0.018		
NVA27			389.704	384753.308	4031151.885	389.739	No Data	No Data	-0.035	No Data	No Data	-0.024	No Data	-0.024		
NVA28			297.246	391255.209	4029812.452	297.224	No Data	No Data	0.022	No Data	No Data	0.024	No Data	0.024		
NVA29			320.495	397420.895	4027750.874	322.498	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
NVA30			294.584	392048.193	4032446.256	294.562	No Data	No Data	0.022	No Data	No Data	0.024	No Data	0.024		
NVA31			347.694	393692.235	4031924.685	347.692	No Data	No Data	0.002	No Data	No Data	0.004	No Data	0.004		
NVA32			292.267	372153.985	4033646.981	292.273	No Data	No Data	-0.006	No Data	No Data	-0.014	No Data	-0.014		
NVA33			249.201	398561.703	4036384.893	249.211	No Data	No Data	-0.010	No Data	No Data	-0.008	No Data	-0.008		
NVA34			280.004	399978.665	4036930.128	280.055	No Data	No Data	-0.051	No Data	No Data	-0.048	No Data	-0.048		
NVA35			362.255	396915.450	4031728.105	362.811	No Data	No Data	-0.056	No Data	No Data	-0.053	No Data	-0.053		
NVA36			321.822	392101.779	4033854.565	323.861	No Data	No Data	-0.039	No Data	No Data	-0.037	No Data	-0.037		
NVA37			307.085	3959819.313	4031820.333	307.082	No Data	No Data	0.003	No Data	No Data	0.004	No Data	0.004		
NVA38			341.675	372642.148	4013755.702	341.546	No Data	No Data	0.029	No Data	No Data	0.031	No Data	0.031		
NVA39			327.723	377025.794	4027763.871	327.728	No Data	No Data	-0.005	No Data	No Data	-0.003	No Data	-0.003		
NVA40			340.896	374495.643	4029349.146	340.920	No Data	No Data	-0.024	No Data	No Data	-0.022	No Data	-0.022		
NVA41			379.968	372642.215	4022883.773	379.874	No Data	No Data	0.094	No Data	No Data	0.004	No Data	0.004		
NVA42			403.793	411114.954	4026992.700	403.808	No Data	No Data	-0.015	No Data	No Data	-0.023	No Data	-0.023		
NVA43			400.249	411986.514	4019098.004	400.288	No Data	No Data	-0.039	No Data	No Data	-0.064	No Data	-0.064		
NVA44			334.227	420027.989	4010874.180	334.295	No Data	No Data	-0.068	No Data	No Data	-0.016	No Data	-0.016		
NVA45			393.955	379619.405	4017974.158	393.841	No Data	No Data	0.114	No Data	No Data	0.016	No Data	0.016		
NVA46			403.543	377212.287	4020784.872	403.539	No Data	No Data	0.004	No Data	No Data	0.006	No Data	0.006		
NVA47			379.793	374496.170	4018384.872	379.719	No Data	No Data	0.074	No Data	No Data	0.076	No Data	0.076		
NVA48			374.714	398423.995	4021044.456	374.717	No Data	No Data	-0.003	No Data	No Data	-0.001	No Data	-0.001		
NVA49			347.149	397050.818	4014198.516	347.139	No Data	No Data	0.010	No Data	No Data	0.012	No Data	0.012		
NVA50			383.123	378081.978	4013522.878	383.100	No Data	No Data	0.023	No Data	No Data	0.024	No Data	0.024		
NVA51			377.055	39818.962	4018211.895	376.968	No Data	No Data	0.087	No Data	No Data	0.089	No Data	0.089		
NVA52			382.493	398372.769	4019790.885	382.458	No Data	No Data	0.035	No Data	No Data	0.037	No Data	0.037		
NVA53			394.995	393276.848	4014291.428	394.949	No Data	No Data	0.046	No Data	No Data	0.047	No Data	0.047		
NVA54			375.073	404429.738	4017716.996	375.104	No Data	No Data	-0.031	No Data	No Data	-0.029	No Data	-0.029		
NVA55			352.203	398223.167	4025778.812	352.200	No Data	No Data	0.003	No Data	No Data	0.006	No Data	0.006		

LEGENDS: **Orange Point ID** → **± 2% RMSE**, **Red** ΔE, ΔN, ΔH → **± 90% of NSDD** **SSD = 0.7 m** (Meter) **Supported Mapping Scale: 0** **Number of check points: 0**

**ASPRS** **Supported Height RMSE according to map scale = 6.00** **Mean (Bias) No Data** **SD/VE No Data** **RMSE No Data** **0.00** **No Data** **No Data** **0.00**

**Horizontal RMSE (E) = No Data** **Max. Allowable RMSE in N = 5.68** (Meter)

**Horizontal RMSE (N) = No Data** **Max. Allowable RMSE in E = 5.68** (Meter)

**Circular RMSE = No Data** **Max. Allowable circular RMSE = 6.03** (Meter)

**Vertical RMSE = 0.03** **Passed (✓)** **Max. Allowable RMSE in Height = 0.10** (Meter)

Units: (Meter) **0.03** **No Data** **No Data** **0.03** **No Data** **No Data** **0.03** **Normalized RMSE after bias**

**NSDD** **Horizontal Accuracy at 90% = No Data** **Max. Allowable Horizontal Error at 90% = 12.19** (Meter)

**Vertical Accuracy at 90% = 0.06** **Passed (✓)** **Max. Allowable Vertical Error at 90% = 0.17** (Meter)

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

**ASPRS** **Horizontal RMSE (E) = No Data** **Max. Allowable RMSE in N & E = 5.68** (Meter)

**Horizontal RMSE (N) = No Data** **Max. Allowable RMSE in E = 5.68** (Meter)

**Circular RMSE = No Data** **Max. Allowable circular RMSE = 6.03** (Meter)

**Vertical RMSE = 0.03** **Passed (✓)** **Max. Allowable RMSE in Height = 0.10** (Meter)

**NSDD** **Horizontal Accuracy at 90% = No Data** **Max. Allowable Horizontal Error at 90% = 12.19** (Meter)

**Vertical Accuracy at 90% = 0.06** **Passed (✓)** **Max. Allowable Vertical Error at 90% = 0.17** (Meter)

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

**ASPRS** **Horizontal RMSE (E) = No Data** **Max. Allowable RMSE in N & E = 5.68** (Meter)

**Horizontal RMSE (N) = No Data** **Max. Allowable RMSE in E = 5.68** (Meter)

**Circular RMSE = No Data** **Max. Allowable circular RMSE = 6.03** (Meter)

**Vertical RMSE = 0.03** **Passed (✓)** **Max. Allowable RMSE in Height = 0.10** (Meter)

**NSDD** **Horizontal Accuracy at 90% = No Data** **Max. Allowable Horizontal Error at 90% = 12.19** (Meter)

**Vertical Accuracy at 90% = 0.06** **Passed (✓)** **Max. Allowable Vertical Error at 90% = 0.17** (Meter)