

























✓	T2				✓ 0.96100 ft	12.51400 ft	823.84800 ft	0.00014 ft	823.84814 ft	Computed	35.497 ft	
	T2	✓ 12.98700 ft	836.83500 ft								94.646 ft	
✓	T3				✓ 1.15100 ft	11.83600 ft	835.68400 ft	0.00024 ft	835.68424 ft	Computed	68.821 ft	
	T3	✓ 13.68400 ft	849.36800 ft								156.141 ft	
✓	TR9				✓ 7.13000 ft	6.55400 ft	842.23800 ft	0.00037 ft	842.23837 ft	Computed	84.972 ft	
	TR9	✓ 7.67000 ft	849.90800 ft								85.149 ft	
✓	T4				✓ 1.59300 ft	6.07700 ft	848.31500 ft	0.00050 ft	848.31550 ft	Computed	139.554 ft	
	T4	✓ 12.93000 ft	861.24500 ft								164.807 ft	
✓	T5				✓ 1.97900 ft	10.95100 ft	859.26600 ft	0.00066 ft	859.26666 ft	Computed	122.332 ft	
	T5	✓ 10.82000 ft	870.08600 ft								202.823 ft	
✓	TR10				✓ 7.81900 ft	3.00100 ft	862.26700 ft	0.00085 ft	862.26785 ft	Computed	117.569 ft	
	TR10	✓ 8.06700 ft	870.33400 ft								117.520 ft	
✓	GPS-4				✓ 1.19600 ft	6.87100 ft	869.13800 ft	0.00109 ft	869.13909 ft	Computed	319.584 ft	
	GPS-4	✓ 12.45800 ft	881.59600 ft								206.941 ft	
✓	T6				✓ 1.22800 ft	11.23000 ft	880.36800 ft	0.00126 ft	880.36926 ft	Computed	83.913 ft	
	T6	✓ 11.91400 ft	892.28200 ft								139.194 ft	
✓	T7				✓ 0.97500 ft	10.93900 ft	891.30700 ft	0.00138 ft	891.30838 ft	Computed	70.518 ft	
	T7	✓ 13.59400 ft	904.90100 ft								166.452 ft	
✓	T8				✓ 3.39200 ft	10.20200 ft	901.50900 ft	0.00151 ft	901.51051 ft	Computed	62.935 ft	
	T8	✓ 7.90500 ft	909.41400 ft								65.100 ft	
✓	GPS-5				✓ 3.84300 ft	4.06200 ft	905.57100 ft	0.00158 ft	905.57258 ft	Computed	59.953 ft	
	GPS-5	✓ 3.77000 ft	909.34100 ft								60.145 ft	
✓	T8A				✓ 7.83400 ft	-4.06400 ft	901.50700 ft	0.00165 ft	901.50865 ft	Computed	65.100 ft	
	T8A	✓ 2.64300 ft	904.15000 ft								91.350 ft	
✓	T7A				✓ 12.84500 ft	-10.20200 ft	891.30500 ft	0.00178 ft	891.30678 ft	Computed	131.681 ft	
	T7A	✓ 0.09600 ft	891.40100 ft								93.533 ft	
✓	T6A				✓ 11.03500 ft	-10.93900 ft	880.36600 ft	0.00190 ft	880.36790 ft	Computed	116.947 ft	
	T6A	✓ 0.45900 ft	880.82500 ft								83.866 ft	
✓	GPS-4A				✓ 11.68900 ft	-11.23000 ft	869.13600 ft	0.00206 ft	869.13806 ft	Computed	207.227 ft	
	GPS-4A	✓ 3.52800 ft	872.66400 ft								146.061 ft	
✓	TR10A				✓ 10.40400 ft	-6.87600 ft	862.26000 ft	0.00231 ft	862.26231 ft	Computed	290.322 ft	
	TR10A	✓ 1.65400 ft	863.91400 ft								127.154 ft	
✓	T5A				✓ 4.64900 ft	-2.99500 ft	859.26500 ft	0.00241 ft	859.26741 ft	Computed	52.312 ft	
	T5A	✓ 3.37600 ft	862.64100 ft								52.034 ft	
✓	T9A				✓ 12.34800 ft	-8.97200 ft	850.29300 ft	0.00257 ft	850.29557 ft	Computed	220.539 ft	
	T9A	✓ 2.44600 ft	852.73900 ft								132.080 ft	
✓	TR9A				✓ 10.50400 ft	-8.05800 ft	842.23500 ft	0.00270 ft	842.23770 ft	Computed	109.873 ft	

	TR9A	<input checked="" type="checkbox"/> 0.65300 ft	842.88800 ft								77.724 ft	
<input checked="" type="checkbox"/>	T3A				<input checked="" type="checkbox"/> 7.20500 ft	-6.55200 ft	835.68300 ft	0.00276 ft	835.68576 ft	Computed	29.102 ft	
	T3A	<input checked="" type="checkbox"/> 0.67100 ft	836.35400 ft								69.222 ft	
<input checked="" type="checkbox"/>	T2A				<input checked="" type="checkbox"/> 12.50900 ft	-11.83800 ft	823.84500 ft	0.00286 ft	823.84786 ft	Computed	94.599 ft	
	T2A	<input checked="" type="checkbox"/> 0.24400 ft	824.08900 ft								35.237 ft	
<input checked="" type="checkbox"/>	T1A				<input checked="" type="checkbox"/> 12.76400 ft	-12.52000 ft	811.32500 ft	0.00293 ft	811.32793 ft	Computed	89.141 ft	
	T1A	<input checked="" type="checkbox"/> 0.36500 ft	811.69000 ft								33.265 ft	
	GPS-3				<input checked="" type="checkbox"/> 13.02600 ft	-12.66100 ft	798.66400 ft	0.00300 ft	798.66700 ft 🚧	Benchmark	93.643 ft	

[Run - 0001 \(N4\)](#) Reduced Coordinates

Point ID	Status	Elevation
 <a href="#">GPS-3</a>	Enabled	798.66700 ft
 <a href="#">T1</a>	Enabled	811.33407 ft
 <a href="#">T2</a>	Enabled	823.84814 ft
 <a href="#">T3</a>	Enabled	835.68424 ft
 <a href="#">TR9</a>	Enabled	842.23837 ft
 <a href="#">T4</a>	Enabled	848.31550 ft
 <a href="#">T5</a>	Enabled	859.26666 ft
 <a href="#">TR10</a>	Enabled	862.26785 ft
 <a href="#">GPS-4</a>	Enabled	869.13909 ft
 <a href="#">T6</a>	Enabled	880.36926 ft
 <a href="#">T7</a>	Enabled	891.30838 ft
 <a href="#">T8</a>	Enabled	901.51051 ft
 <a href="#">GPS-5</a>	Enabled	905.57258 ft
 <a href="#">T8A</a>	Enabled	901.50865 ft
 <a href="#">T7A</a>	Enabled	891.30678 ft
 <a href="#">T6A</a>	Enabled	880.36790 ft
 <a href="#">GPS-4A</a>	Enabled	869.13806 ft
 <a href="#">TR10A</a>	Enabled	862.26231 ft
 <a href="#">T5A</a>	Enabled	859.26741 ft
 <a href="#">T9A</a>	Enabled	850.29557 ft
 <a href="#">TR9A</a>	Enabled	842.23770 ft
 <a href="#">T3A</a>	Enabled	835.68576 ft
 <a href="#">T2A</a>	Enabled	823.84786 ft
 <a href="#">T1A</a>	Enabled	811.32793 ft

## Run - 0002 Raw Observations

**Standard error per kilometer of double leveling:** 0.00230 ft

**Standard error per turn/station setup:** 0.00000 ft

**Raw Misclosure:** 0.01700 ft

**$\Sigma$  BS Distances:** 2971.979 ft

**Σ FS Distances:** 2982.883 ft










Run Length: 5954.862 ft

















**Reduction:** Adjusted Values

[illegible]

<input checked="" type="checkbox"/>	T8C				<input checked="" type="checkbox"/> 7.32000 ft	-2.02800 ft	857.10000 ft	-0.00935 ft	857.09065 ft	Computed	132.688 ft	
	T8C	<input checked="" type="checkbox"/> 12.75000 ft	869.85000 ft								305.336 ft	
<input checked="" type="checkbox"/>	T7C				<input checked="" type="checkbox"/> 2.01300 ft	10.73700 ft	867.83700 ft	-0.01033 ft	867.82667 ft	Computed	38.992 ft	
	T7C	<input checked="" type="checkbox"/> 12.33100 ft	880.16800 ft								130.081 ft	
<input checked="" type="checkbox"/>	GPS-2A				<input checked="" type="checkbox"/> 5.03200 ft	7.29900 ft	875.13600 ft	-0.01124 ft	875.12476 ft	Computed	187.251 ft	
	GPS-2A	<input checked="" type="checkbox"/> 3.38900 ft	878.52500 ft								86.055 ft	
<input checked="" type="checkbox"/>	T6C				<input checked="" type="checkbox"/> 11.97600 ft	-8.58700 ft	866.54900 ft	-0.01171 ft	866.53729 ft	Computed	80.208 ft	
	T6C	<input checked="" type="checkbox"/> 2.87400 ft	869.42300 ft								215.512 ft	
<input checked="" type="checkbox"/>	TR6C				<input checked="" type="checkbox"/> 2.96300 ft	-0.08900 ft	866.46000 ft	-0.01282 ft	866.44718 ft	Computed	171.114 ft	
	TR6C	<input checked="" type="checkbox"/> 5.39500 ft	871.85500 ft								35.270 ft	
<input checked="" type="checkbox"/>	T5C				<input checked="" type="checkbox"/> 7.76600 ft	-2.37100 ft	864.08900 ft	-0.01345 ft	864.07555 ft	Computed	186.907 ft	
	T5C	<input checked="" type="checkbox"/> 1.66200 ft	865.75100 ft								65.259 ft	
<input checked="" type="checkbox"/>	TR7A				<input checked="" type="checkbox"/> 12.12900 ft	-10.46700 ft	853.62200 ft	-0.01407 ft	853.60793 ft	Computed	152.861 ft	
	TR7A	<input checked="" type="checkbox"/> 9.91400 ft	863.53600 ft								87.874 ft	
<input checked="" type="checkbox"/>	T4C				<input checked="" type="checkbox"/> 12.79600 ft	-2.88200 ft	850.74000 ft	-0.01453 ft	850.72547 ft	Computed	72.829 ft	
	T4C	<input checked="" type="checkbox"/> 1.07000 ft	851.81000 ft								57.497 ft	
<input checked="" type="checkbox"/>	T3C				<input checked="" type="checkbox"/> 12.27600 ft	-11.20600 ft	839.53400 ft	-0.01489 ft	839.51911 ft	Computed	69.561 ft	
	T3C	<input checked="" type="checkbox"/> 1.02200 ft	840.55600 ft								50.314 ft	
<input checked="" type="checkbox"/>	T2C				<input checked="" type="checkbox"/> 12.89000 ft	-11.86800 ft	827.66600 ft	-0.01533 ft	827.65067 ft	Computed	104.151 ft	
	T2C	<input checked="" type="checkbox"/> 0.62700 ft	828.29300 ft								59.040 ft	
<input checked="" type="checkbox"/>	TR8C				<input checked="" type="checkbox"/> 11.97500 ft	-11.34800 ft	816.31800 ft	-0.01574 ft	816.30226 ft	Computed	82.210 ft	
	TR8C	<input checked="" type="checkbox"/> 4.01300 ft	820.33100 ft								28.348 ft	
<input checked="" type="checkbox"/>	T1C				<input checked="" type="checkbox"/> 11.31500 ft	-7.30200 ft	809.01600 ft	-0.01607 ft	808.99993 ft	Computed	86.985 ft	
	T1C	<input checked="" type="checkbox"/> 0.50700 ft	809.52300 ft								61.021 ft	
	GPS-3				<input checked="" type="checkbox"/> 10.83900 ft	-10.33200 ft	798.68400 ft	-0.01700 ft	798.66700 ft🚧	Benchmark	265.781 ft	

[Run - 0002 \(N5\)](#) Reduced Coordinates

Point ID	Status	Elevation
 <a href="#">T1B</a>	Enabled	809.00607 ft
 <a href="#">TR8</a>	Enabled	816.31174 ft
 <a href="#">T2B</a>	Enabled	827.66133 ft
 <a href="#">T3B</a>	Enabled	839.52989 ft
 <a href="#">T4B</a>	Enabled	850.73553 ft
 <a href="#">TR7</a>	Enabled	853.61707 ft
 <a href="#">T5B</a>	Enabled	864.07745 ft
 <a href="#">TR6</a>	Enabled	866.45082 ft
 <a href="#">T6B</a>	Enabled	866.53872 ft

 <a href="#">GPS-2</a>	Enabled	875.12724 ft
 <a href="#">T7B</a>	Enabled	867.82933 ft
 <a href="#">T8B</a>	Enabled	857.09235 ft
 <a href="#">GPS-1</a>	Enabled	859.11950 ft
 <a href="#">T8C</a>	Enabled	857.09065 ft
 <a href="#">T7C</a>	Enabled	867.82667 ft
 <a href="#">GPS-2A</a>	Enabled	875.12476 ft
 <a href="#">T6C</a>	Enabled	866.53729 ft
 <a href="#">TR6C</a>	Enabled	866.44718 ft
 <a href="#">T5C</a>	Enabled	864.07555 ft
 <a href="#">TR7A</a>	Enabled	853.60793 ft
 <a href="#">T4C</a>	Enabled	850.72547 ft
 <a href="#">T3C</a>	Enabled	839.51911 ft
 <a href="#">T2C</a>	Enabled	827.65067 ft
 <a href="#">TR8C</a>	Enabled	816.30226 ft
 <a href="#">T1C</a>	Enabled	808.99993 ft

Run - 0003 Raw Observations

Standard error per kilometer of double leveling: 0.00230 ft

Standard error per turn/station setup: 0.00000 ft









Raw Misclosure: -0.00100 ft

Σ BS Distances: 88.832 ft


Σ FS Distances: 88.829 ft

Run Length: 177.661 ft

Reduction: Adjusted Values

Create	Point ID	BS	HI	IS	FS	Δ Elevation	Raw Elevation	Correction	Adj. Elevation	Type	Distance	Description
	GPS-3	 4.16000 ft	802.82700 ft			0.00000 ft	798.66700 ft	0.00000 ft	798.66700 ft 	Benchmark	29.096 ft	
	BM-1				 7.24500 ft	-3.08500 ft	795.58200 ft	0.00050 ft	795.58250 ft	Computed	59.735 ft	
	BM-1	 7.25700 ft	802.83900 ft								59.736 ft	
	GPS-3				 4.17300 ft	3.08400 ft	798.66600 ft	0.00100 ft	798.66700 ft 	Benchmark	29.094 ft	

[Run - 0003 \(N6\)](#) Reduced Coordinates

Point ID	Status	Elevation
 <a href="#">BM-1</a>	Enabled	795.58250 ft

Date: 5/15/2023 8:41:23 AM	Project: H:\Project\2023\2023042.00\SUR\TBC\S-51 Snow Creek_Ground_Levels.vce	Trimble Business Center
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