

This is an example of the report I can create using Bob Baumel's DOS Measurement program.

The text in the blue box was automatically generated by the Measurement program. The text in the red box are my comments to the measurer.

Thank you. -- Justin

Last edited Feb 25, 2017 by jkuo

Frank Nealon Boston Tune-Up 15K

Measured: 10/08/2016

Length of Calibration Course = 304.8 m

Measurements Computed using LARGER Constants INCLUDING 1.001 factor

Mark			Stephen		
Pre-Calibration:					
Start	Finish	Counts	Start	Finish	Counts
845205	849457	4252	589200	592662	3461.8
849852	854104	4252	592662	596122.5	3460.7
854594	858847	4253	596122.5	599583.5	3461
859167	863419	4252	599583.5	603044.5	3461
Working Constant: 13964.9024 counts/km			11366.7524 counts/km		
Post-Calibration:					
149670	153916	4246	822100	825557	3457
154350	158596	4246	825557	829013	3456
158900	163146	4246	829013	832469	3456
163394	167639	4245	832469	835926	3457
Finish Constant: 13943.5556 counts/km			11351.5633 counts/km		
Constant for Day: 13964.9024 counts/km			11366.7524 counts/km		

Course Measurement:

	Counter Reading	Interval (counts)	Interval (meters)	Counter Reading	Interval (counts)	Interval (meters)
Start	910135			634200		
1 mi	932609	22474.0	1609.32	652474	18274.0	1607.67
2 mi	955083	22474.0	1609.32	652474	0.0	0.00
3 mi	977557	22474.0	1609.32	688996	36522.0	3213.05
5k	979960	2403.0	172.07	690941	1945.0	171.11
4 mi	000031	20071.0	1437.25	707224	16283.0	1432.51
5 mi	022505	22474.0	1609.32	725497	18273.0	1607.58
6 mi	044979	22474.0	1609.32	743761	18264.0	1606.79
10k	049785	4806.0	344.15	747662	3901.0	343.19
7 mi	067453	17668.0	1265.17	762030	14368.0	1264.04
8 mi	089927	22474.0	1609.32	780311	18281.0	1608.29
9 mi	112401	22474.0	1609.32	798582	18271.0	1607.41
Finish	119678	7277.0	521.09	804702	6120.0	538.41
Totals:		209543.0	15004.97		170502.0	15000.06

(Sum of Shortest Splits = 13379.01 meters)

Accuracy = (ride 1 - ride 2) / ride 1
= (15004.97 - 15000.06) / 15004.97
= 0.00032722491

The calculated accuracy value is less than 0.0008, so the rides are good.

Ride 2 had the fewest counts and is the better ride.

The desired distance is 15000 meters. Adjust the course by shortening by 0.06 meters (0 feet 2-3/4 inches.) However, since the adjustment is within allowable tolerance, no adjustment is needed.

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