Measurement report

Narva Linna Jooks

1 mile, 1609 m

Karen Aau
WA - AIMS B grade measurer
May 2026

GENERAL INFORMATION

Name of event: Narva Linna Jooks

City/Town: Narva

Country: Estonia

Advertised race distance: 1 mile, 1609 m

Race date: 05.06.2026

Race director: Vladimir Vsivtsev

Phone: +372 5348 5279

E-mail: vovav@akkesport.net

Name of measurement team leader: Karen Aau, B grade measurer

Phone: +37253416303

E-mail: aau.karen@gmail.com

Type of terrain (Flat/Undulating/Hilly): mostly flat

Type of course (Loop/Lap/Point to Point/Out & Back): Point to Point

Race surface: asphalt

Separation: 0,44%

Altitude:

Start – 30 m, Finish 30 m

Highest point – 38 m, Lowest point – 26 m

Difference in elevation highest > lowest point – 12 m

Section of road available: entire with of road

DETAIL OF THE CALIBRATION COURSE

Date: 08.04.2019

Location of calibration course: Tallinna mnt light traffic road, Narva, Estonia

Measure method: steel taped

Number of measurements: 2

Markers: nails

Start time: 10:30 **Finish time:** 11:30

Temperature: *Start* +11°C, *Finish* +11°C, *Average* +11 °C

MEASUREMENTS AND CALCULATIONS:

1 **First measurement.**

8	x	49,9 m	+	0,8 m	=	400 m
# tape lengths		distance per tape length		partial tape length		Measured distance

2 **Second measurement.**

8	x	49,9 m	+	0,783 m	=	399,983 m
# tape lengths		distance per tape length		partial tape length		Measured distance

3 **Average raw (uncorrected) measurement of course:** 399,9915 m

4 **Temperature correction.**

Correction factor = 1.0000000 + (.0000116 x [11 – 20]) = 0,9998956

5 **Multiply the temperature correction factor by the average raw measurement of the course**

0,9998956	x	399,9915	=	399,949741 m
correction factor		avg. raw measurement		corrected measurement

6 **Final (adjusted) length of calibration course:** 400 m

399,95 m + 0,05 m = 400m

Summary: To get 400 m length calibration course, added 5 cm with steel tape.

BICYCLE CALIBRATION DATA SHEET

PRE-CALIBRATION:

Day: 06.05.2026 **Time:** 11.40 **Temperature**: +8°C

Start count	Finish count	Difference
937310	941698	4388
941698	946087	4389
946087	950475	4388
950475	954864	4389

Pre-measurement average count = (4388+4389+4388+4389) / 4 = 4388,5

Counts per km = 4388,5x1000/400 = 10971,25

Working Constant = 10971,25x1,001/1000 = 10,98222125 c/m

POST-CALIBRATION:

Day: 06.05.2026 **Time:** 15.45 **Temperature**: +8°C

Start count	Finish count	Difference
87493	91881	4388
91881	96270	4389
96270	100658	4388
100658	105047	4389

Pre-measurement average count = (4388+4389+4388+4389) / 4 = 4388,5

Counts per km = 4388,5x1000/400 = 10971,25

Working Constant = 10971,25x1,001/1000 = 10,98222125 c/m

CONSTANT FOR THE DAY = (10,98222125+10,98222125) / 2 = 10,98222125 c/m

COURSE MEASUREMENT DATA SHEET

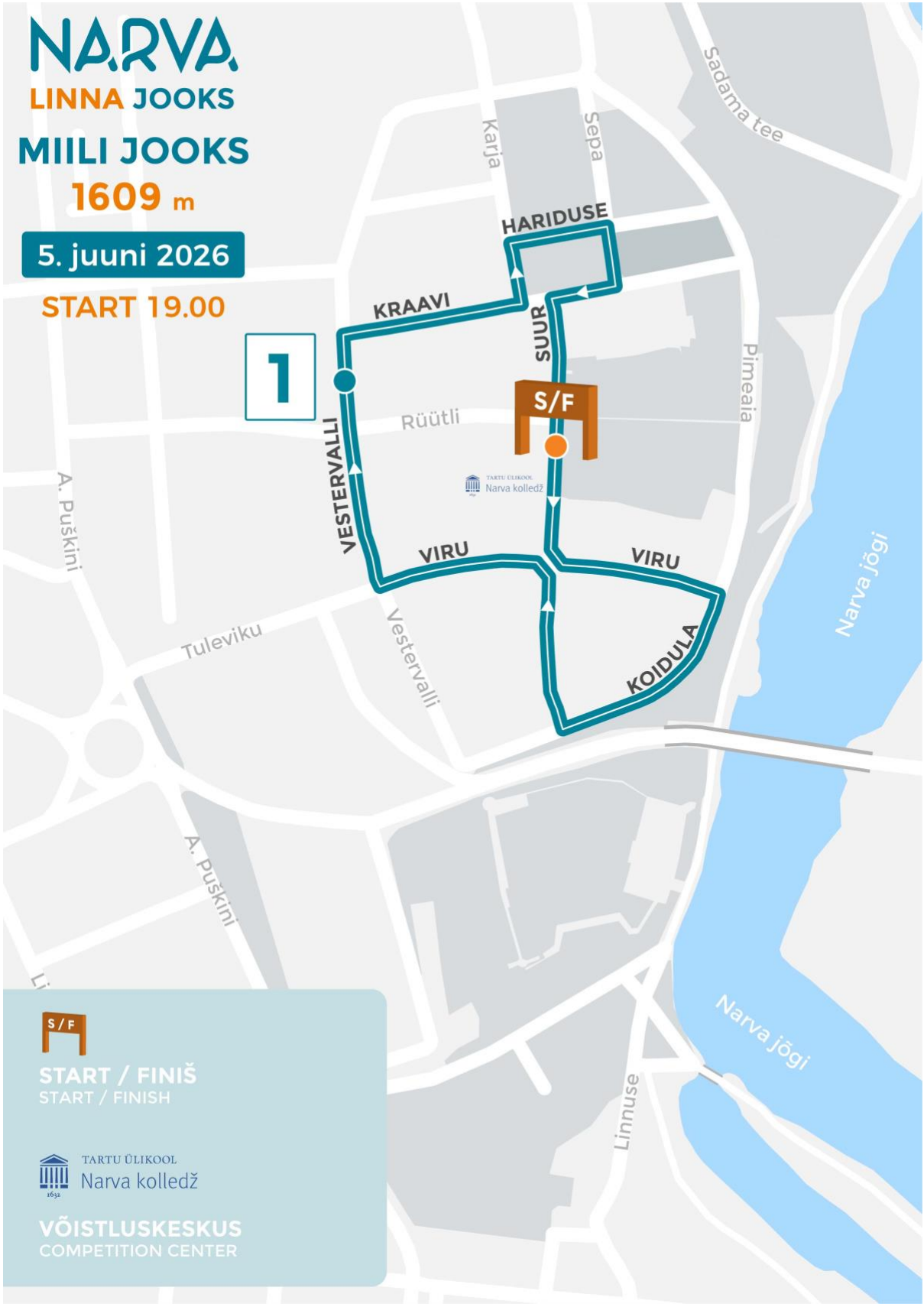
reading	counts	distance	adj.dist	location
Measured in running direction, 06.05.2026, c=10,98222125 c/m				
--- adjustment here with steel tape removes 7,1 m ---				
956420	0	0.0 m	0.0 m	START - at Suur St. (detailed sketch attached)
974168	17748	**1616,1 m**	**1609 m**	FINISH - at Suur St. (detailed sketch attached)

Note any adjustments made to the course after measurement:

Measured the whole loop from start line to start line. Course was 7,1m longer. To get accurate distance, removed 7,1m with steel tape from finish line. Course have now different start and finish line.

CALIBRATION COURSE – 400 m

COURSE


NARVA
LINNA JOOKS
MIILI JOOKS
1609 m
5. juuni 2026
START 19.00
1
HARIDUSE
KRAAVI
SUUR
VESTERVALLI
S/F
Rüütli
TARTU ÜLIKOOL
Narva kolledž
VIRU
VIRU
KOIDULA
Karja
Sepa
Sadama tee
Pimeaia
A. Puškini
Tuleviku
Vestervalli
Narva jõgi
Narva jõgi
Linnuse
S/F
START / FINIŠ
START / FINISH
TARTU ÜLIKOOL
Narva kolledž
VÕISTLUSKESKUS
COMPETITION CENTER

START / FINISH LINE