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INNSBRUCK NIGHTRUN 2018 (AUSTRIA)

Course Measurement Report

12th September 2018

COURSE MEASUREMENT REPORT: INNSBRUCK NIGHTRUN HALFMARATHON 2018

This is the new measurement of the Innsbruck Nightrun Halfmarathon.
I was accompanied by Dieter Hofmann, the race director.

APPLICATION FOR CERTIFICATION OF A ROAD COURSE

NAME OF COURSE: Innsbruck Nightrun Halfmarathon 2018

DATE OF EVENT: 06.10.2018

ADVERTISED RACE DISTANCE: 21097,5 m

LOCATION OF START: Innsbruck, place near "Sillbrücke"

LOCATION OF FINISH (IF DIFFERENT): Innsbruck, place near "Sillbrücke"

SEPERATION BETWEEN START AND FINISH: 10m

OFFICIAL AIMS/IAAF COURSE MEASURER:

Mag. Rainer Soos
Kanzelweg 8
9220 Velden am Wörthersee
Tel: 0043 699 121 11 340

RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)

NAME: Dieter Hofmann (info@innsbrucklaeuft.com)

ADRESS: A - 6020 Innsbruck, Wiesengasse 20

DATE: 12.09.2018

TYPE OF TERRAIN: FLAT ROLLING HILLY

ALTITUDE:

START: 568 m HIGHEST: 574 m LOWEST: 563 m FINISH: 568 m

TYPE OF COURSE: ~~OUT & BACK~~ POINT TO POINT LOOP COURSE

COURSE MEASUREMENT DATA SHEET

DATE: 12. 09. 2018

START TIME: 02:30 pm
FINISH TIME: 03:15 pm

TEMPERATURE: 29 °C
TEMPERATURE: 29 °C

Measurement: one lap of the course (expected start and finish: Matthias-Schmid-Straße)

START COUNT: 407000
FINISH COUNT: 471589

DIFFERENCE: 64589

LENGTH OF COURSE AS MEASURED 5660,04 m

4 laps would be 22640,16m long

The halfmarathon is too long: 1542,66 m = 385,67m per lap

We moved the expected start and finish line to the direction of the river "Sill" (near "Kanu Centre").

START COUNT: 472000
FINISH COUNT: 474710

DIFFERENCE: 2710

LENGTH OF COURSE AS MEASURED 237,48 m

The lap is now: 5185,08m; 4 laps: 20740,32m

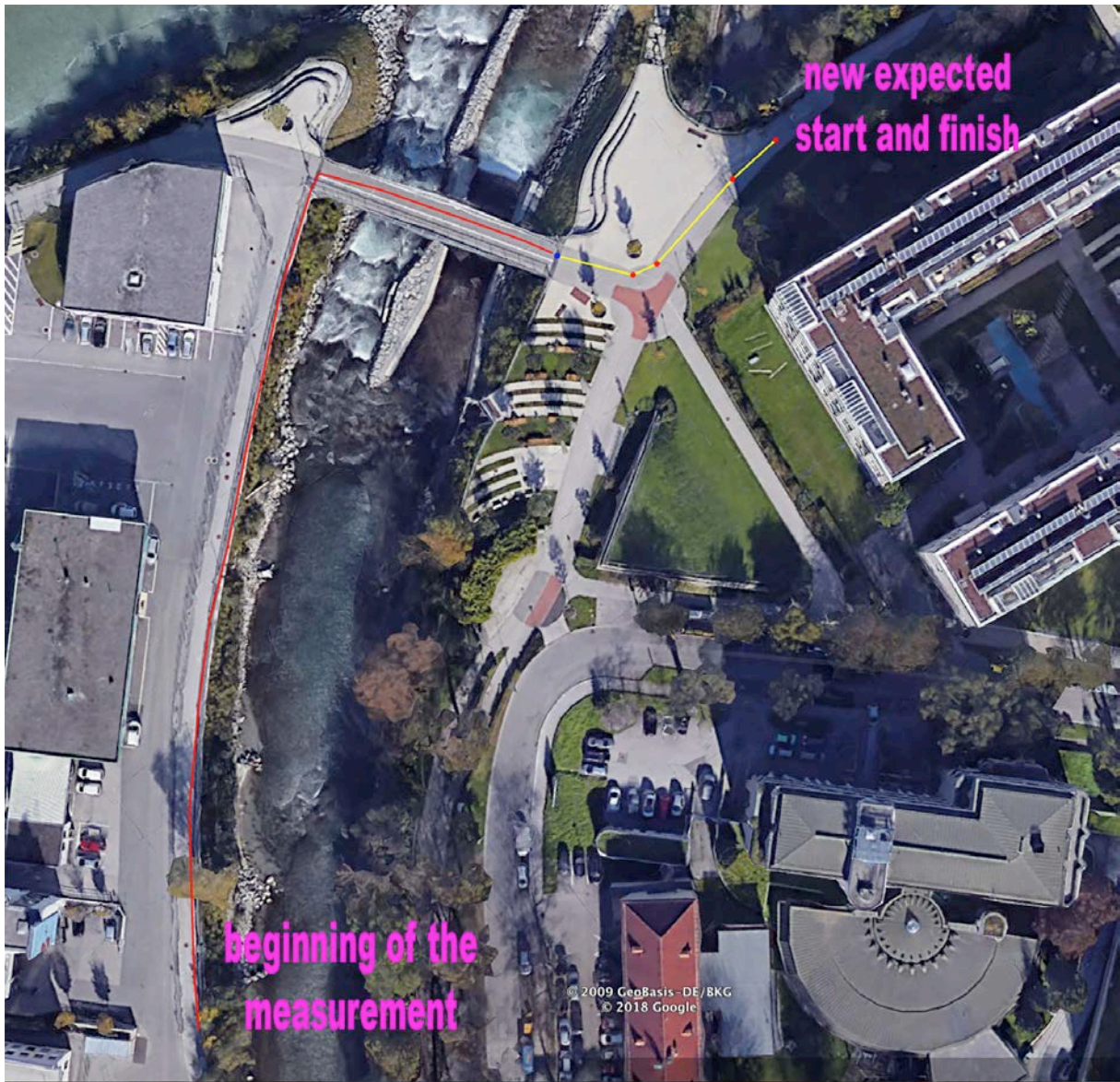
The halfmarathon is too short: 357,18

To get the correct distance of a halfmarathon we made a new start and finish line and a little lap at the small square (near beginning of the "Sill-Weg-Altarm")

We fixed the start line: 46,88m to the direction of the bridge

1 st lap:	46,88m + 5185,08m + 28,00m	=	5259,96m
2 nd lap:	66,10m + 5185,08m + 28,00m	=	5279,18m
3 rd lap:	66,10m + 5185,08m + 28,00m	=	5279,18m
4 th lap:	66,10m + 5185,08m + 28,00m	=	5279,18m
			21097,50m

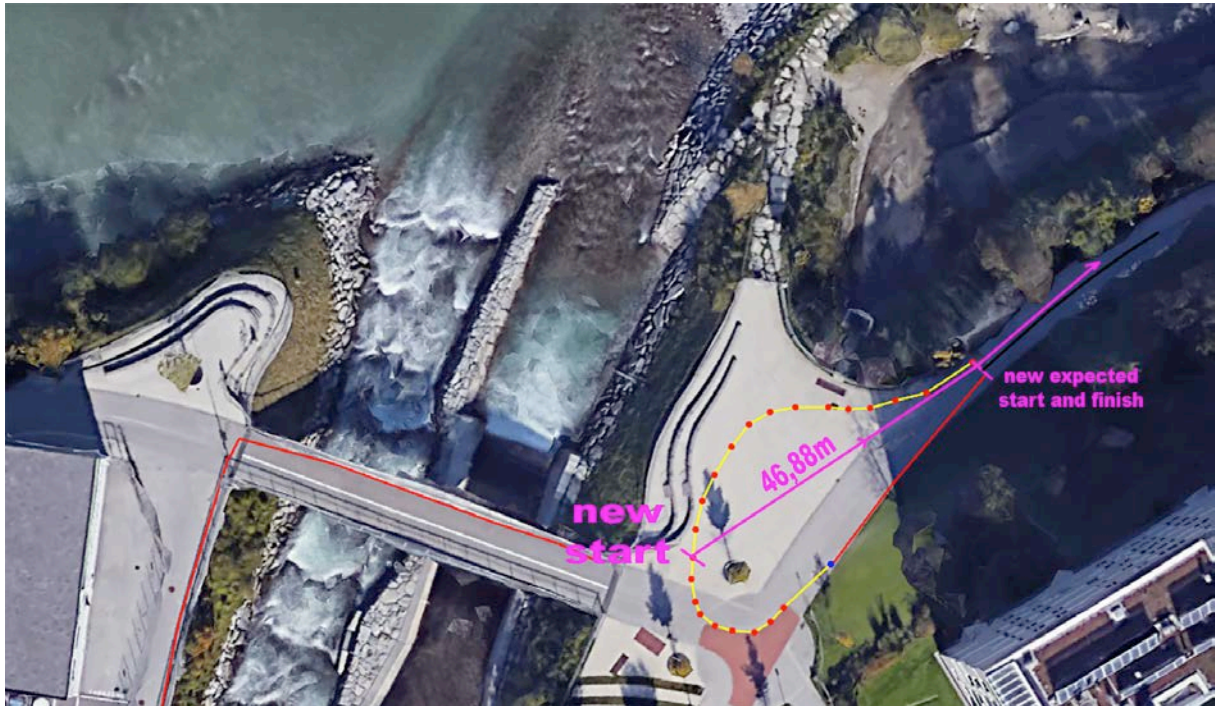
CONSTANT FOR THE DAY: 11411,4 counts/km



beginning of the measurement
the distance to the expected new start and finish is 237,48m



situation at the finish



situation at the start

DETAIL OF CALIBRATION COURSE

NAME OF EVENT: Innsbruck Nightrun Halfmarathon 2018

NAME OF CALIBRATION COURSE: Innsbruck, Wiesengasse

LENGTH OF CALIBRATION COURSE: 400m

CITY: Innsbruck

DATE MEASURED: 09.09.2012

METHOD USED TO MEASURE CALIBRATION COURSE: steel tape

HOW ARE START AND FINISH POINTS MARKED: survey nails

MEASURING TEAM LEADER: Rainer Soos

Bicycle calibration data sheet

DATE OF MEASUREMENT: 12.09.2018

LENGTH OF CALIBRATION COURSE: 400 m

PRE - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	334000	338560	4560
2	338560	343119	4559
3	343119	347679	4560
4	347679	352239	4560

time of day: 01:35 am

temperature: 28°C

PRE - MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rcl}
 18239 & : & 4 \\
 11399,375 & \times & 1,001 \\
 \hline
 & = & 4559,75 \\
 & = & 11410,77438
 \end{array}
 = 11399,375 / \text{km}$$

WORKING CONSTANT

POST - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	513000	517660	4560
2	517660	522121	4561
3	522121	526681	4560
4	526681	531241	4560

time of day: 04:30 pm

temperature: 28°C

POST-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rcl}
 18241 & : & 4 \\
 11400,625 & \times & 1,001 \\
 \hline
 & = & 4560,25 \\
 & = & 11412,02563
 \end{array}
 = 11400,625 / \text{km}$$

FINISHING CONSTANT

CONSTANT OF THE DAY: 11411,4 per km

average of both Working Constant and Finishing Constant = Constant of the Day

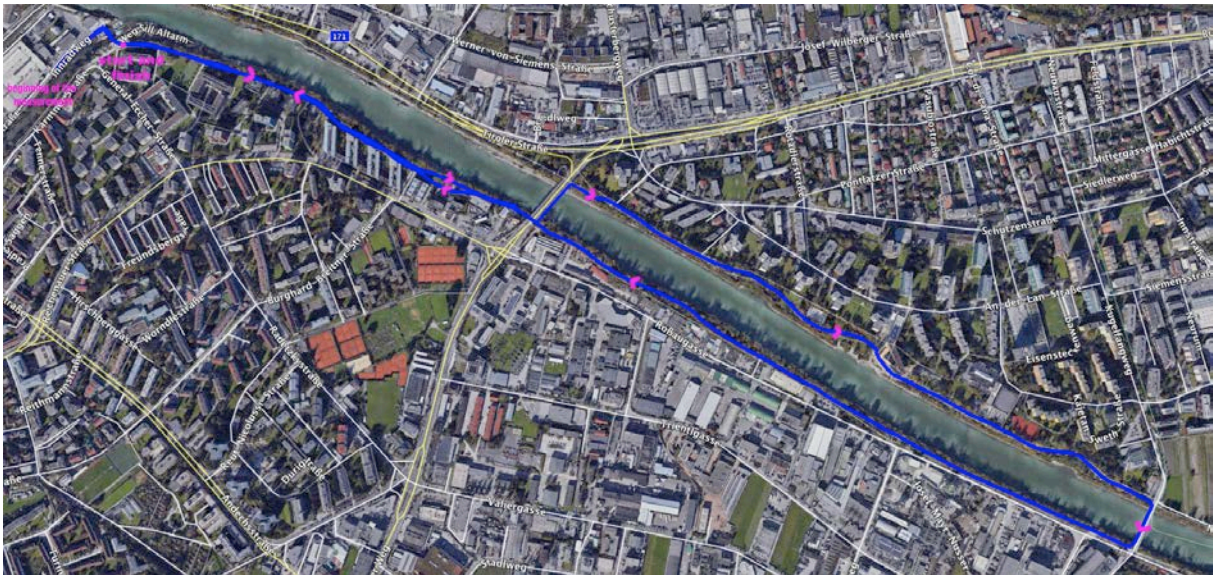
Description of the course

Start at a little place near „Sillbrücke“:

4 laps:

southern bicycle road direction east → cross the river at Grenobler Bridge → northern bicycle road direction east → cross the river at New Orleans Bridge → southern bicycle road back tot he little place

Finish: little place near „Sillbrücke“



map of the course

IAAF

ROAD RACE COURSE MEASUREMENT CERTIFICATE

Name of Race:	Innsbruck Nightrun Halfmarathon 2018		
Location:	Innsbruck	Country:	Austria
Date of Race:	06.10.2018	Distance of Race:	21097,5m
Measured Distance of Course:	21097,5m	Date Measured:	12.09.2018
Altitude (in metres above sea level)			
Start: 568 m Highest: 574 m Lowest: 563 m Finish: 568 m			
Type of Course:	Loop course		
Local Race Measurer:	Dieter Hofmann (info@innsbrucklaeuft.com)		
Address:	Wiesengasse 20, 6020 Innsbruck, Austria		
Method of Measuring:	Bicycle	Steel tape	
IAAF Approved Course Measurer:	Mag. Rainer Soos (aims.austria@gmail.com)		
Address:	Kanzelweg 8 9220 Velden am Wörthersee Austria		

This is to certify that the course described above and defined by the attached map has been measured and approved for certification. The course measurement complies with IAAF Rules for Road Race Course Measurement and the measured distance is not less than the official distance for the event. It remains valid for five years. Any modification of the course, however minimal, will require a new official measurement.

Mag. Rainer Soos

Signature
IAAF Approved Course Measurer

12.09.2018
Date