



*Association of International
Marathons and Road Races*
AIMS

IAAF *International Association of
Athletics Federations*

AUT 12 019 S0

**OICHTENTAL HALFMARATHON
(AUSTRIA)**

COURSE MEASUREMENT REPORT

5th OKTOBER 2012

Rainer Soos

AUT 12 019 SO

**COURSE MEASUREMENT REPORT:
OICHTENTAL HALFMARATHON**

APPLICATION FOR CERTIFICATION OF A ROAD COURSE

NAME OF COURSE: Oichtental Halbmarathon

DATE OF EVENT: 21.04.2013

ADVERTISED RACE DISTANCE: 21097,5 m

LOCATION OF START: Nußdorf Volksschule

LOCATION OF FINISH (IF DIFFERENT): -

OFFICIAL AIMS/IAAF COURSE MEASURER:

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

RACE DIRECTOR (IF COURSE IS MEASURED FOR SPECIFIC EVENT)

NAME: **Bernhard Schwärz**
ADDRESS: **5151 Nußdorf (bernhard.schwaerz@sbg.at)**

DATE: 5.10.2012

TYPE OF TERRAIN: FLAT ROLLING HILLY

ALTITUDE:

START: 435 m HIGHEST: 440 m LOWEST: 420 m FINISH: 435 m

TYPE OF COURSE: 4x OUT & BACK POINT-TO-POINT LOOP-COURSE

DETAIL OF CALIBRATION COURSE

NAME OF EVENT: Oichtental Halfmarathon

NAME OF CALIBRATION COURSE: Feldweg bei Steinbach

LENGTH OF CALIBRATION COURSE: 300 m

CITY: Nußdorf am Haunsberg

DATE MEASURED: 5.10.2012

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: 5.10.2012

LENGTH OF CALIBRATION COURSE: 300 m

PRE - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	602000	605411	3411
2	605411	608822	3411
3	608822	612233	3411
4	612233	615644	3411

time of day: 03:30 pm

temperature: 22,5 °C

PRE-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclclcl}
 13644 & : & 4 & = & 3411 & = & 11370 / \text{km} \\
 11370 & \times & 1,001 & = & 11381,37 & & \text{WORKING CONSTANT}
 \end{array}$$

POST - MEASUREMENT:

RIDE	START COUNT	FINISH COUNT	DIFFERENCE
1	673000	676412	3412
2	676412	679824	3412
3	679824	683236	3412
4	683236	686648	3412

time of day: 04:45 am

temperature: 23 °C

POST-MEASUREMENT AVERAGE COUNT:

$$\begin{array}{rclclcl}
 13648 & : & 4 & = & 3412 & = & 11373,3333 / \text{km} \\
 11373,333 & \times & 1,001 & = & 11384,70667 & & \text{FINISHING CONSTANT}
 \end{array}$$

CONSTANT OF THE DAY: 11383,03833 per km

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

COURSE MEASUREMENT DATA SHEET

DATE: 5. Oktober 2012

START TIME: 04:20 pm
FINISH TIME: 05:00 pm

TEMPERATURE: 23 °C
TEMPERATURE: 23 °C

MEASUREMENT 1: one lap of 5km

START COUNT 1: 616000
FINISH COUNT 1: 672703

DIFFERENCE 1: 56703

CONSTANT FOR THE DAY: 11383,03833 counts/km

LENGTH OF COURSE AS MEASURED: 4981,36 m

The lap will be too short.

We moved the turning point: 9,32m direction north.

The course will be 1 lap of 6097,5 and 3 laps of 5000m.

MEASUREMENT 2: new turning point to get the 6097,5m

START COUNT 2: 691300
FINISH COUNT 2: 697546,5

DIFFERENCE : 6246,5

CONSTANT FOR THE DAY: 11383,03833 counts/km

LENGTH OF COURSE AS MEASURED: 548,75 m (x 2 = 1097,5m)

Calculation of the course:

1 laps:	6097,51 m
3 laps of 5000m:	15000,00 m
	<hr/>
	21097,51 m

Description of the course

Start: Nußdorf Volksschule

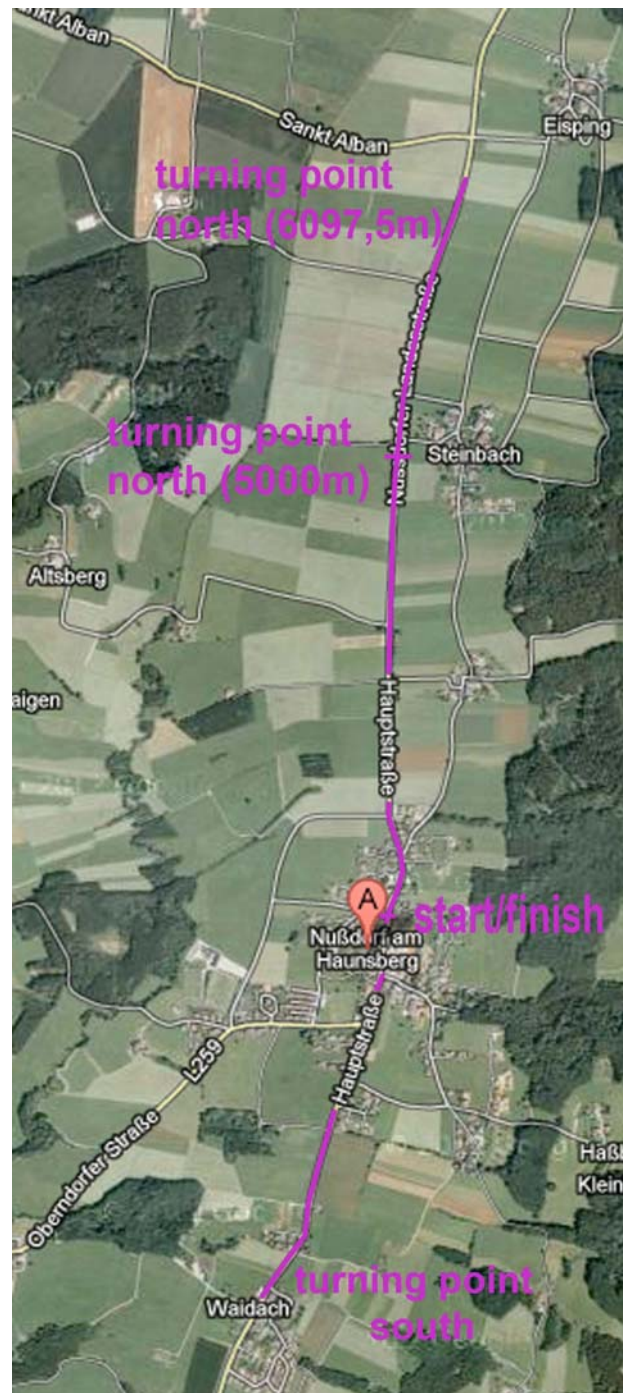
1. lap (6097,5m): Nußdorfer Landesstraße direction south → turning point at Waidach → Nußdorfer Landesstraße direction north → Nußdorf → direction Steinbach → turning point near Altsberg → turning point near Steinbach → back direction Nußdorf (start/finish line) →

3 laps of 5000m

Nußdorfer Landesstraße direction south → turning point at Waidach →

Nußdorfer Landesstraße direction north → Nußdorf → direction Steinbach → turning point near Steinbach → back direction Nußdorf (start/finish line)

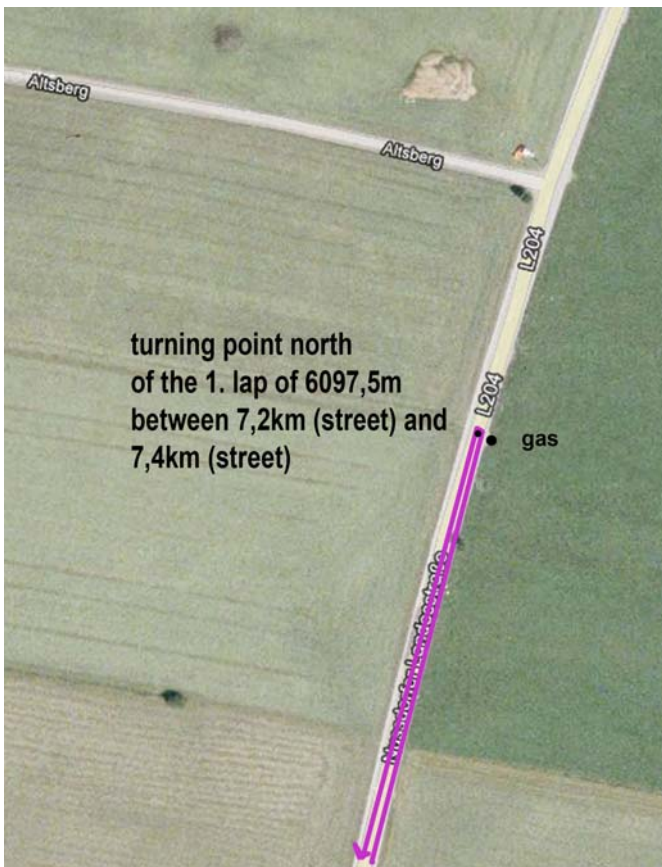
finish: Nußdorf Volksschule



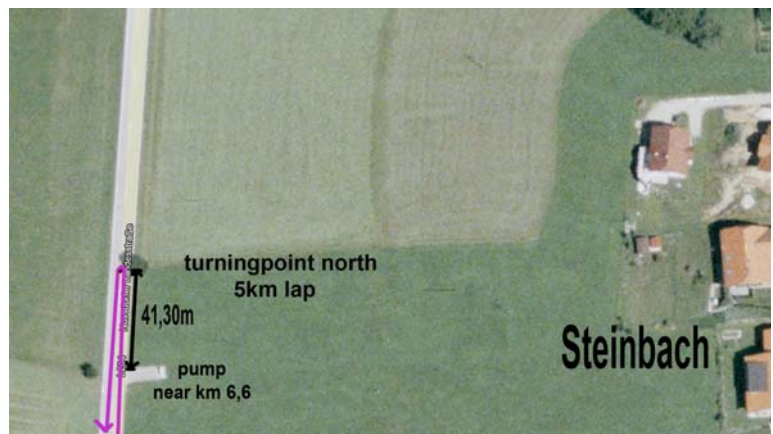
start/finish of the race



turning point south



turning point north of the 1. Lap



turning point north of the lap of 5km

temporary

IAAF

ROAD RACE COURSE MEASUREMENT CERTIFICATE

Name of Race:	Oichtental Halfmarathon (Salzburg)		
Location:	Nussdorf am Haunsberg	Country:	Austria
Date of Race:	21.04.2013	Distance of Race:	21097,5 m
Measured Distance of Course:	21097,5m	Date Measured:	05.10.2012
Altitude (in metres above sea level)			
Start: 435 m	Highest: 440 m	Lowest: 420 m	Finish: 435 m
Type of Course:	Loop course		
Local Race Measurer:	Hubert Standl		
Address:	5151 Nußdorf am Haunsberg, Schröck 5		
Method of Measuring:	Bicycle	Steel tape	
IAAF Approved Course Measurer:	Mag. Rainer Soos		
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.

Signature
IAAF Approved Course Measurer

5.10.2012
Date