

ARONNESVEIEN CALIBRATION COURSE

Alta, Norway

400,00m

Measured on July 2nd 2022, twice, using a 100m steel tape tensioned to 50N, by:

Jan Schjetlein (team leader), Bente Evjemo, Vidar Nilsen and Rolf Rantal.

The course is on a straight, flat tarmac cycle path.

It is marked at either end by nails.

Altitude 5 m

STEEL TAPING DATA

Start time 17:45

Finish time 18:10

Average temp = 32°C

I. First measurement

- a. 4 tape lengths of 99,000m + 4,000m = 400,000m

II. Second measurement (opposite direction)

- a. 4 tape lengths of 99,000m + 4,024m = 400,024m

III. Uncorrected measurement of course = 400,012m

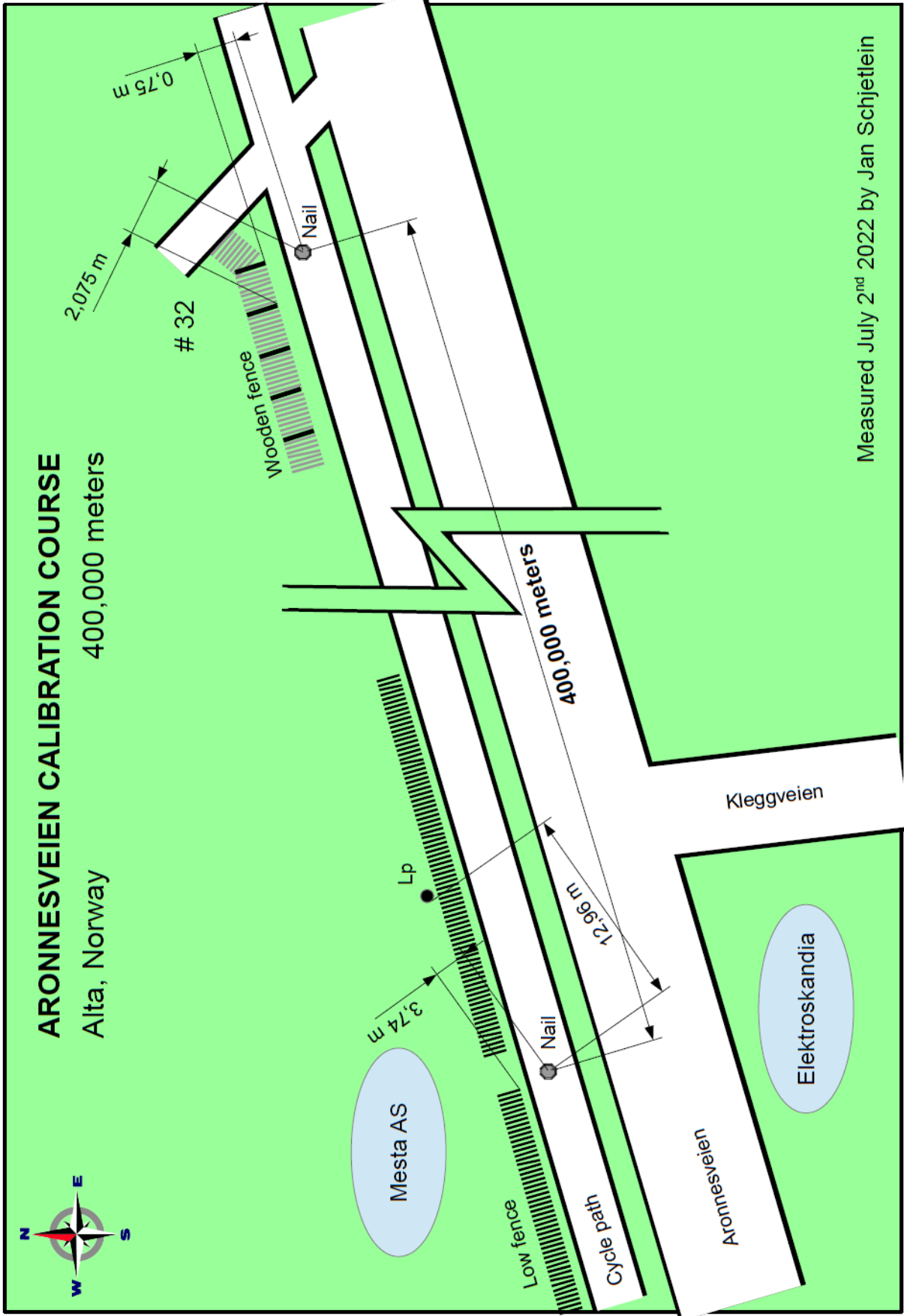
IV. Correction factor = $1 + (0,0000116 \times (32-20)) = 1,0001392$

V. Corrected measurement = uncorrected measurement x correction factor

- i. $= 400,012 \times 1,0001392$

- ii. $= 400,068 \text{ m}$

VI. To obtain an exact 400m length, 68 mm was subtracted from the calibration course as temperature correction. The end point was marked with a nail.



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