

## Intercomparison of Condensation Particle Counter

Project No.: CPC-2016-19

### Basic information:

**Location of the quality assurance:** TROPOS, lab: 130

**Delivery date:** -

**Setup in the laboratory:** February 17, 2016

**Comparison period:** February 17, 2016

Principal Investigator	Home Institution	Participant	Instrument
Pasi Aalto	University of Helsinki P.O.Box 64 00014 University of Helsinki Finland	-	FI-Helsinki TSI CPC Model 3772 # 70915028

**TROPOS Reference Instrument:** Electrometer: TSI model 3068B  
# 70838596

### **Additional Equipment:**

- Bubble flow meter 'Gilibrator', Gilian (Sensidyne)

### Summary of Intercomparison:

**Pre-status:**

The TSI CPC Model 3772 was in good condition.

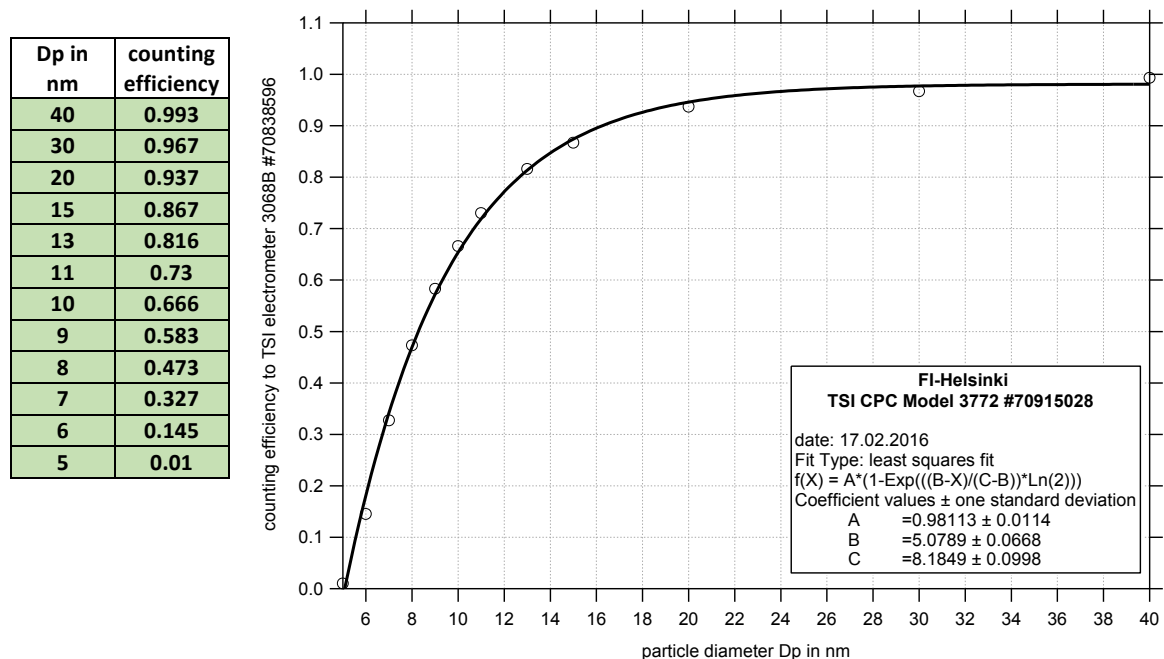
**Final status:**

The TSI CPC Model 3772 passed the quality standards of ACTRIS and GAW.

On February 17, 2016, the FI-Helsinki 3772 #70915028 participated in the TROPOS ACTRIS-2 CPC-Workshop.

1. Status of the wick: The wick was clean.
2. Status of the CPC: The CPC was working properly.
3. Final CPC-Workshop: The TSI CPC Model 3772 reached 99% efficiency at 40 nm. The Dp50 is at 8.2 nm. The CPC efficiency curve corresponds to the standard.

**final-status: 17.02.2016, Wednesday**



**Figure 01:** CPC efficiency curve. Based on Electrometer TSI 3068B. Serial number: 70838596