

## Intercomparison of Condensation Particle Counter

Project No.: CPC-2016-2-14

### Basic information:

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

**Delivery date:** -

**Setup in the laboratory:** April 5, 2016

**Comparison period:** April 5, 2016

Principal Investigator	Home Institution	Participant	Instrument
Alfred Wiedensohler	TROPOS	-	DE-TROPOS MPSS No.2 TSI CPC Model 3772 # 70835059

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

### **Additional Equipment:**

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

## Summary of Intercomparison:

### Pre-status:

The TSI CPC Model 3772 was in good condition.

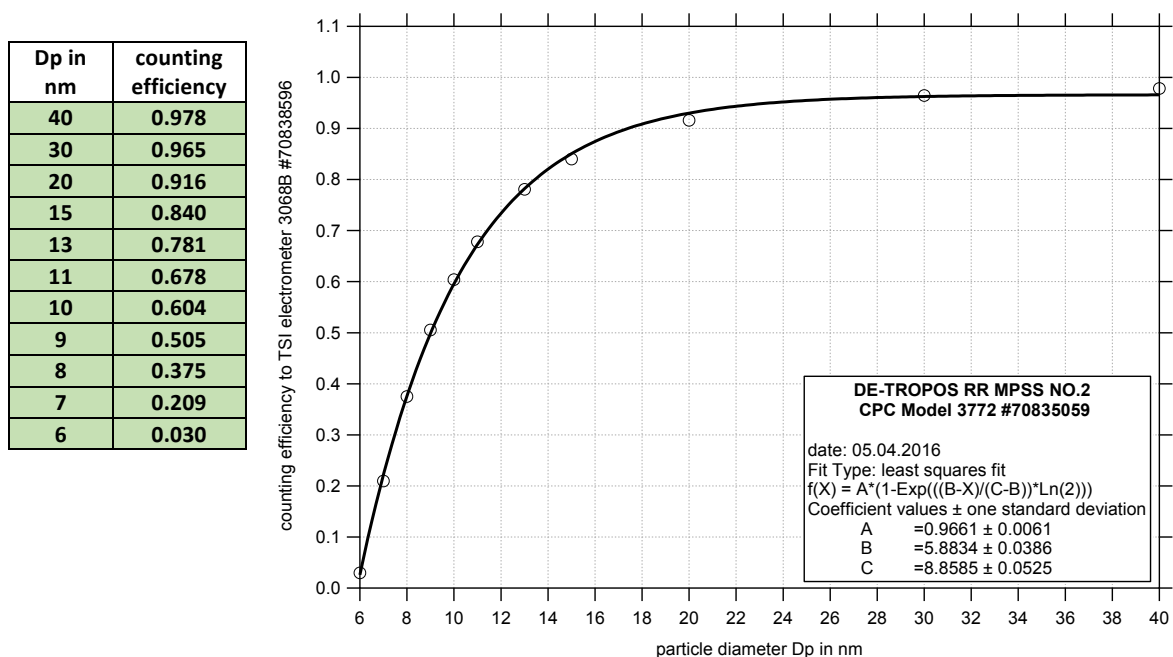
### Final status:

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

On April 5, 2016, the DE-TROPOS MPSS No.2 3772 #70835059 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 98% efficiency at 40 nm. The Dp50 is at 8.85 nm. The CPC efficiency curve corresponds to the standard.

**final-status: 05.04.2016**



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