

Nurowska et al

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Applicability of low cost.....

Decision: Minor revisions

General

This work compares OPCn3 and OL VisiSize D30 observations for fog conditions, and evaluate uncertainties. The found out that corrections on OPC Nd is needed because of Ref Ind and measured size ranges. OPC Nd is found to measure Nd less than Nd from VisiSize. OPC T and RH are also found to be different compared to met obs. They also stated that OPC can be used for fog measurements.

Minor issues:

Take out UAV from the abstract

Ln 75; that needs a ref

Eq 1 and 2; sigma is the extinction coeff

DSD(r) show it as N(r)

181-182; why you need these lines....

Eq. 5; $V_{ind,l}$; no need for "ind":

$vDSD(r)$ change it to $V(r)$

Eq. 2; how come N(r) density is small compared to Visi N(r) but V(r) density is larger than V(r), please check it

Why you think that Visi measurements correct?

Fig 4; Visi has 2xLWC compared to OPC but same reff; how that is possible?

Fig 5; how do you get sd? Based on man values or raw data?

Fig 6; how did you get these means define them

Fig7; why you used a lower threshold of 9.73 micron? Why don't plot also Nd and LWC time series?

Fig A3; after correction results is worst than before, then why you do it?

