



Supplement of

Look-up tables for complex refractive index correction of particle sizes measured by common research-grade optical particle counters

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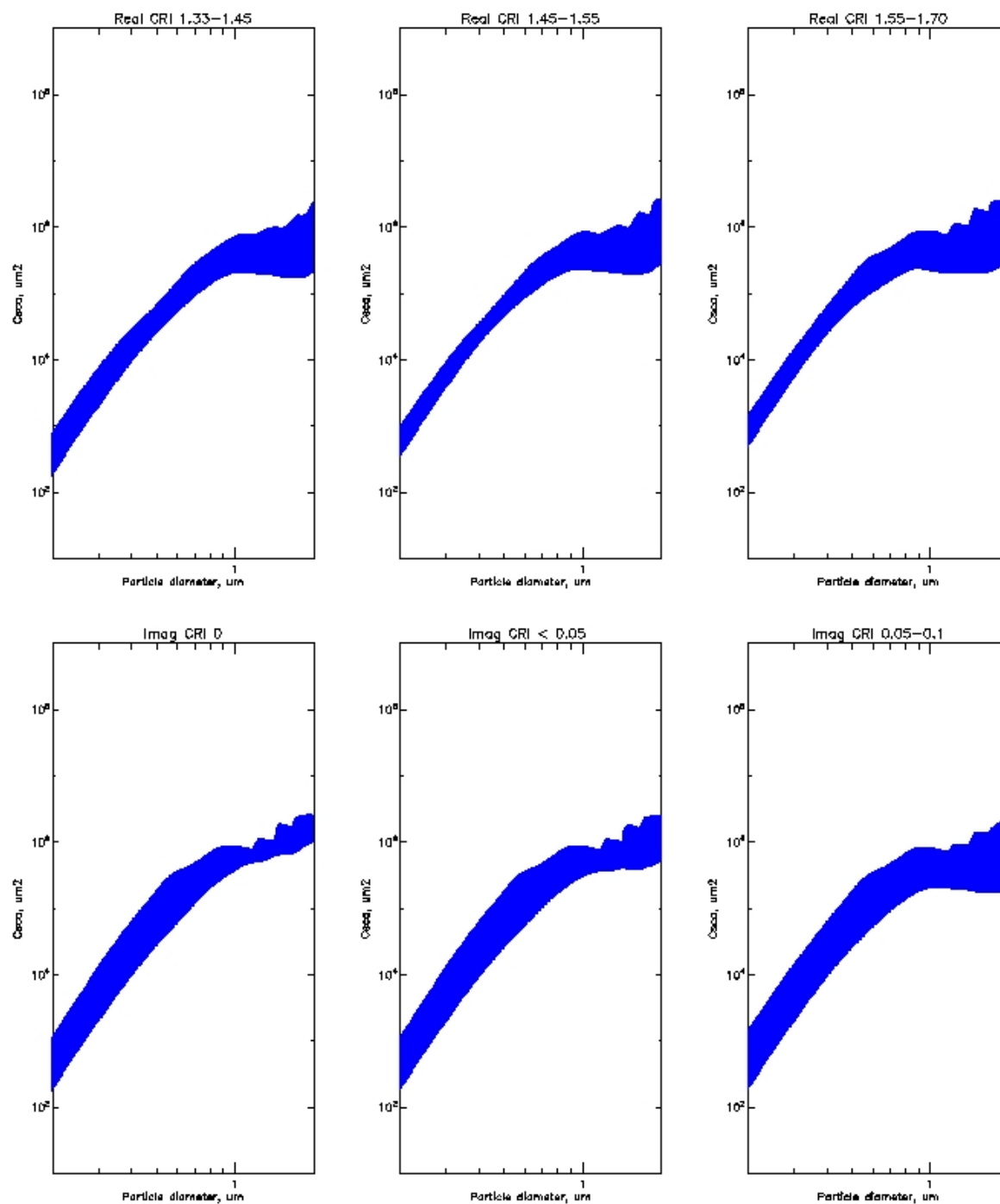
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Supplementary material for manuscript

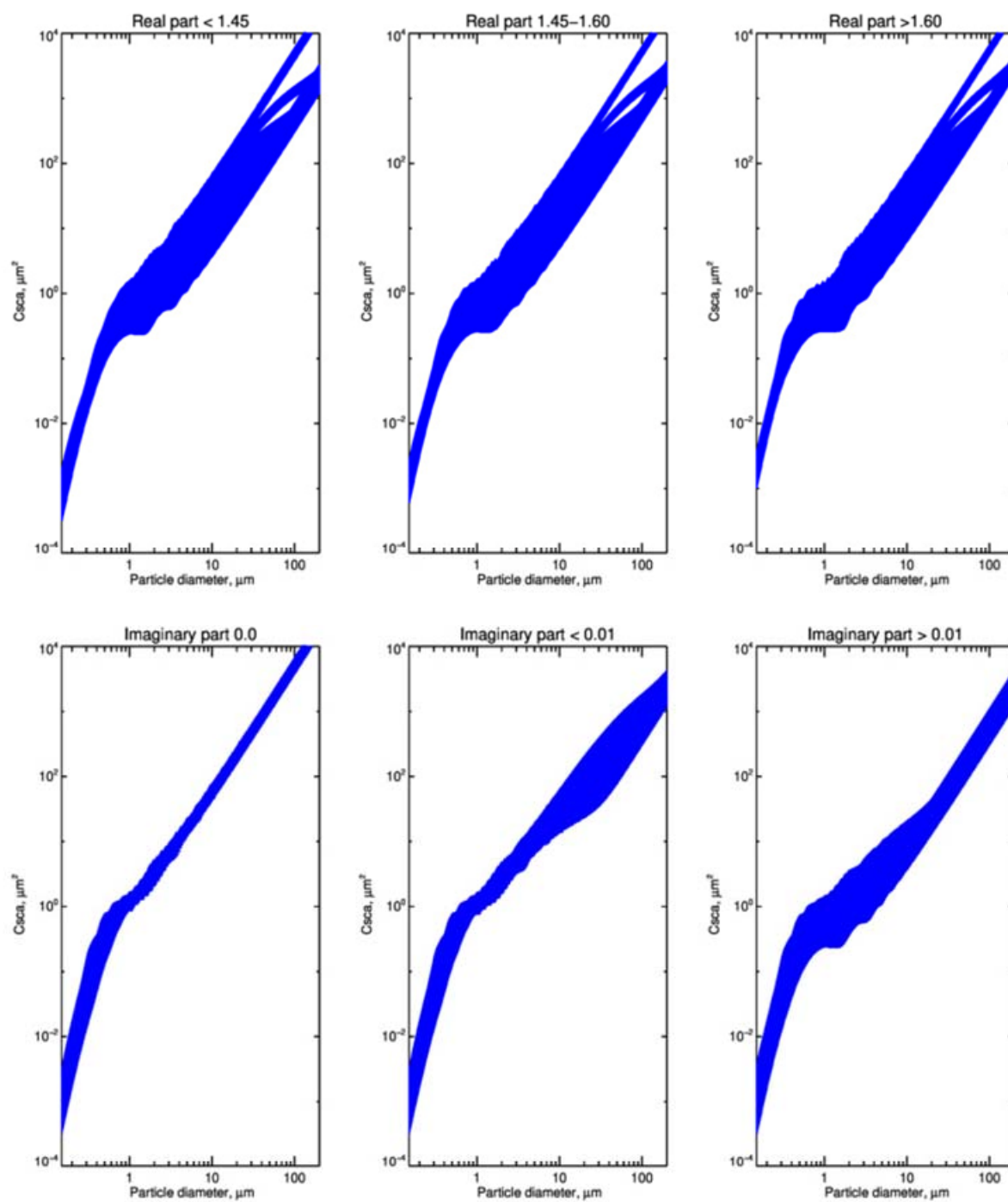
Look-up tables for complex refractive index correction of particle sizes measured by common research-grade optical particle counters

Fig. S1. Scattering cross section (C_{sca}) as a function of particle size for various ranges of the real part (left column) and the imaginary part (right) of the complex refractive index m . The dependence on the real part is shown in three ranges: 1.33-1.45; 1.45-1.55 and larger than 1.55. The dependence on the imaginary part is shown in three ranges: 0 (aerosols not absorbing); smaller than 0.1 and larger than 0.1. From top to bottom: UHSAS, PCASP, FSSP, GRIMM/Sky-GRIMM, CDP.

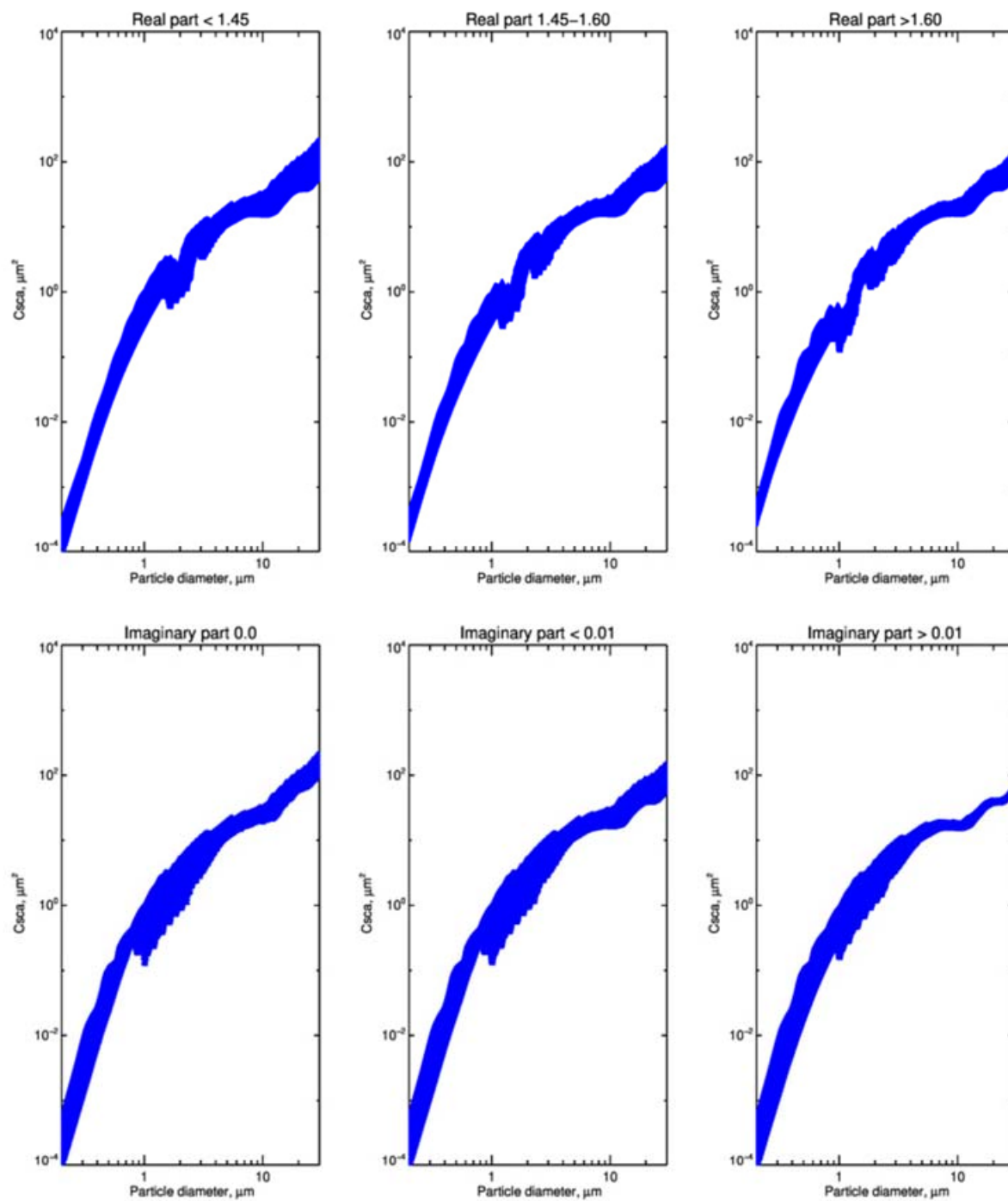
UHSAS



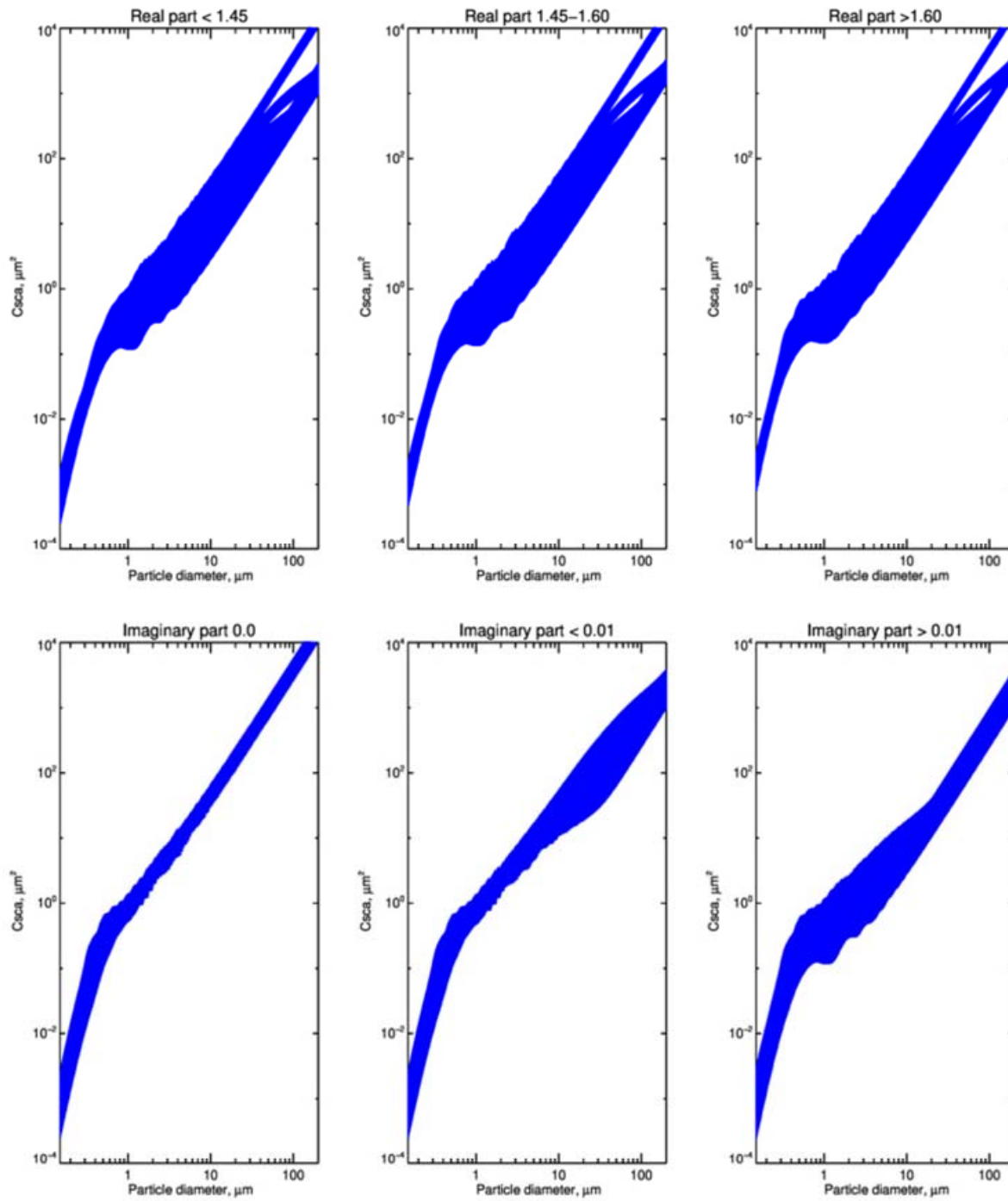
PCASP



FSSP



GRIMM



CDP

