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Table 4. Number of investigated particles, measured two-dimensional aspect ratio and calculated density and complex refractive index values *m* for different particle size classes.

	2 May 2010				17 May 2010			
Size/µm	<0.5	0.5 - 1	1 - 2	>2	<0.5	0.5 - 1	1 - 2	>2
Number	194	101	136	87	165	166	149	7
Aspect ratio	1.9	2.2	2	2.1	1.8	2.1	2.1	2.
density	1.8	2.6	2.7	2.7	1.7	2.8	2.7	2.7
<i>m</i> (630 nm)	1.53 +	1.60 +	1.58 +	1.56 +	1.55 +	1.59 +	1.57 +	-
	0.001i	0.004i	0.002i	0.001i	0.001i	0.003i	0.001i	
<i>m</i> (2 μm)	1.50 +	1.56 +	1.55 +	1.54 +	1.53 +	1.56 +	1.55 +	-
	2×10 ⁻⁶ i	40×10 ⁻⁶ i	20×10 ⁻⁶ i	10×10⁻ ⁶ i	7×10 ⁻⁶ i	20×10 ⁻⁶ i	10×10 ⁻⁶ i	
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DLR for turb- und Raumfahrt e.V. in der Helmhöltz-Gemenschaft DLR Institute of Atmospheric Physics								



























