Supplement of:

Characterise the particle single scattering albedo with a modified airborne dual-wavelengths CAPS monitor

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S1 Chamber characterisation experiment

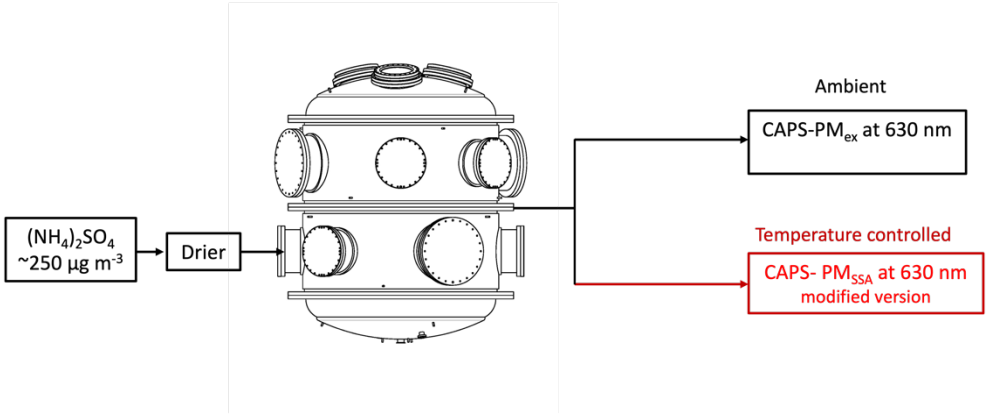

Figure S1 Instrument configurations for the intercomparison study at different pressure levels with controlled temperatures within the CESAM chamber

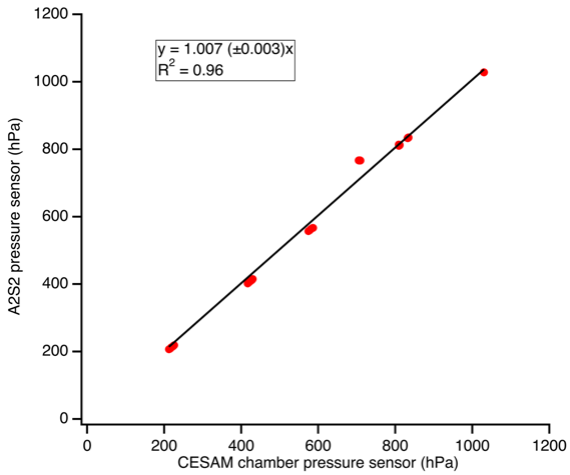

Figure S2 Intercomparison between the CESAM chamber pressure sensor and the A2S2 pressure sensor

S2 Airborne deployment of the A2S2

Figure S3 Photo of the A2S2 configured as part of the AVIRAD system onboard the ATR-42

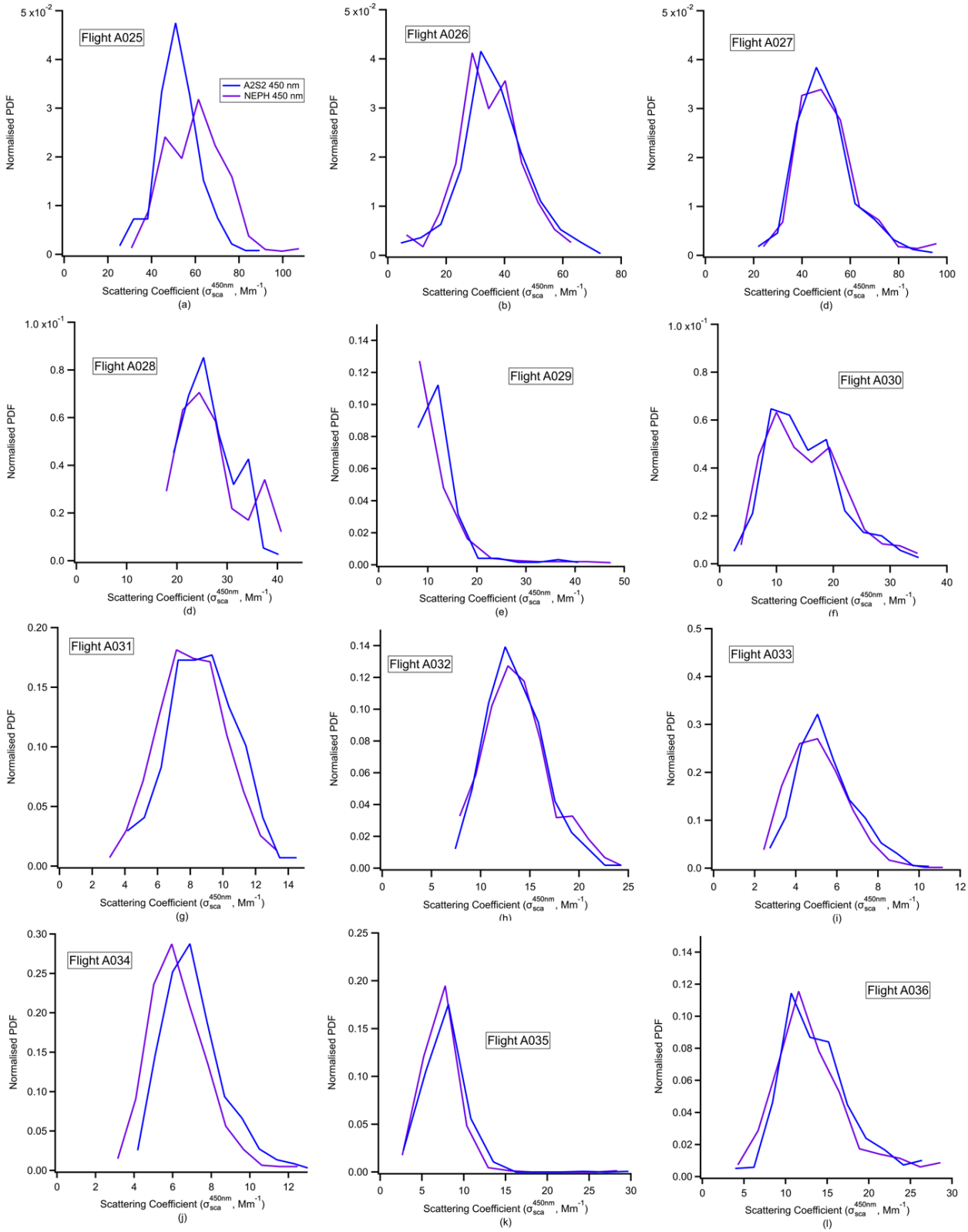

Figure S4 Normalised possibility distribution function (PDF) of A2S2 and NEPH at 450 nm

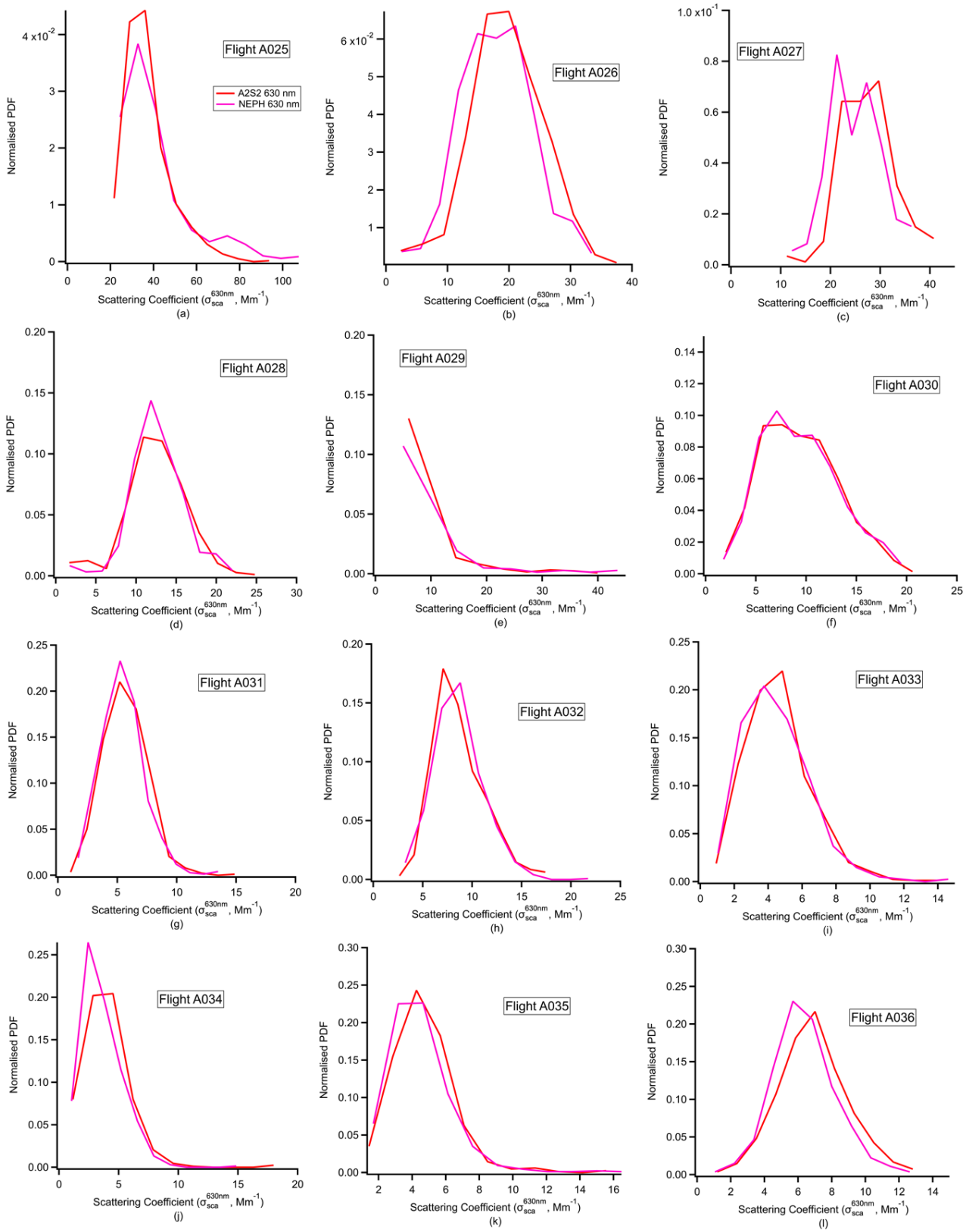

Figure S5 Normalised possibility distribution function (PDF) of A2S2 and NEPH at 630 nm