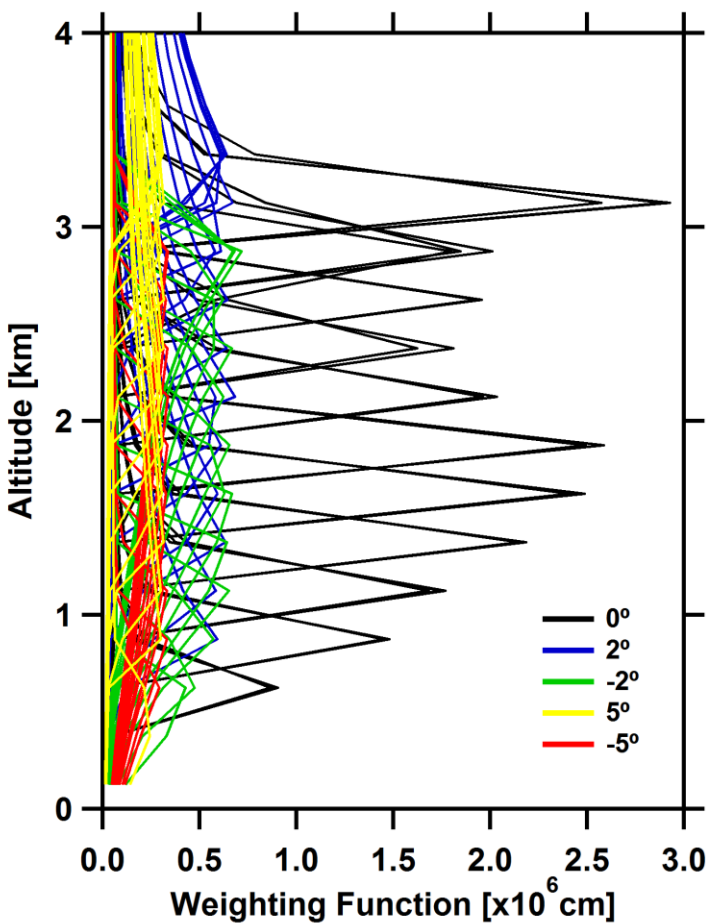


## Supplementary Information

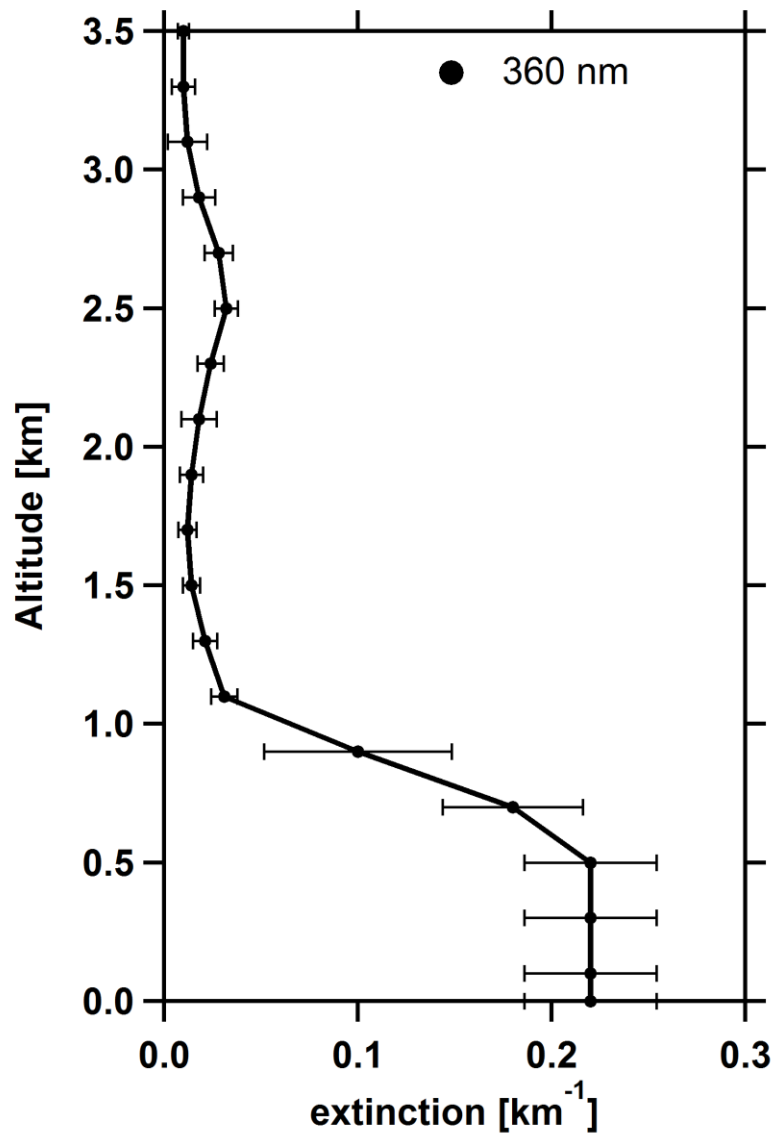
### The CU Airborne MAX-DOAS instrument: vertical profiling of aerosol extinction and trace gases

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*Fig. S1:* Weighting function calculated at 455 nm using McArtim for CHOCHO vertical profile retrievals for RF#46 on 16 July 2010.



*Fig. S2:* Aerosol extinction coefficient profile retrieved at 360 nm using O<sub>4</sub> dSCD measurements at 360 nm for the above mentioned flight.