



Supplement of

Observing the timescales of aerosol–cloud interactions in snapshot satellite images

Edward Gryspeerdt et al.

Correspondence to: Edward Gryspeerdt (e.gryspeerdt@imperial.ac.uk)

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Supplementary information

S1 Track identification with N_d and near IR

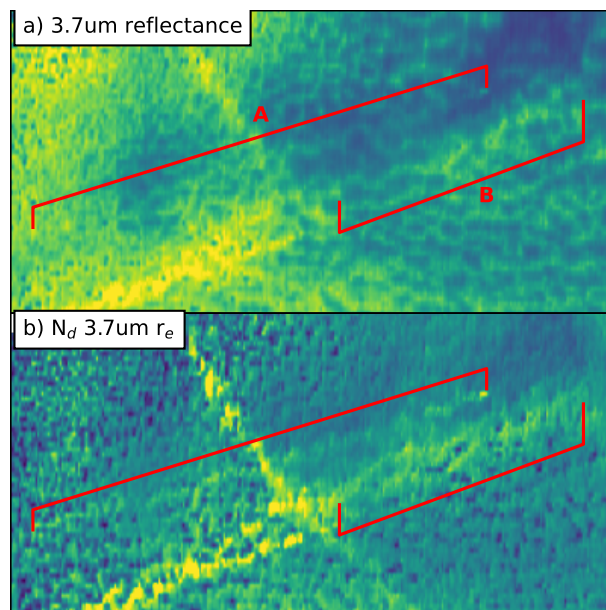


Figure S1. A section from the MODIS Aqua 2015.001.2210 Granule, showing shiptracks in the Californian deck. a) The $3.7 \mu\text{m}$ reflectance, b) the adiabatic N_d calculated using the $3.7 \mu\text{m}$ r_e . The colourscales have been adjusted to give roughly equal contrast across the image.

Not all shiptracks are easily visible in the near-IR imagery. The example in Fig. S1 shows a case (A), where a shiptrack visible in the N_d field is not visible in near-IR imagery. Similarly, a shiptrack (B) that is initially visible in the near-IR imagery
610 apparently disappears, while remaining visible in the N_d imagery.