



Radiative forcing from present-day and future linear contrail coverage

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Offline contrail coverage simulations, similar to those described in Sausen et al. (1998), were conducted using updated distance-travelled data based on the FAST emissions inventory for year 2006, and on the CAEP/8 Modelling and Database Group forecast for years 2026 and 2050. The contrail radiative forcing calculations made use of a temperature-dependent parameterization with a fixed present-day meteorology. We discuss the effects of future changes in traffic and propulsion efficiency both on coverage and on radiative properties.