

## ***Interactive comment on “Simulated radiative forcing from contrails and contrail cirrus” by C.-C. Chen and A. Gettelman***

### **Anonymous Referee #1**

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I feel I have to excuse myself for coming up with an annex to my review already posted here, but it is only now that I have hit on what seems to me an inconsistency for the global mean radiative forcings of contrail cirrus ("integrated ...") in Table 1. I think the net (RESTOM) ought to be the sum of the SWCF and LWCF, but it is not. While I understand that the contrail cirrus RF values contain some statistical noise as a result of having been calculated from separate simulation ensembles, even so the means should still be fully consistent (except for rounding errors). Sometimes, the differences between (SWCF + LWCF) and RESTOM appear to be as large as the statistical uncertainty. I think it is important to explain the reason, as such formal inconsistency might undermine the authors' arguments with respect to a decreasing 24-hour mean RESTOM when shifting from daily/monthly to hourly aircraft movements, when the ab-

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bsolute value of SWCF should increase while the absolute value of LWCF should remain constant (as on page 10947, line 7, for linear contrails).

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Interactive comment on Atmos. Chem. Phys. Discuss., 13, 10939, 2013.

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