

Interactive comment on “Atmospheric pseudohalogen chemistry” by D. J. Lary

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Received and published: 11 October 2004

We have added a Panel (c) to Figure 2 showing one of the six profiles with the highest HCN from day 312 of 1994 where the HCN profile not only contains high HCN but the "C" shape associated with lightning. The vertical structure of the HCN profile may provide a good test for the hypothesis that HCN is produced by lightning. During thunderstorms we expect a 'C' shaped NO_x profile, and so should also expect a 'C' shaped HCN profile with enhanced HCN in the region between 5 and 14 km as we see in the new Panel (c) of Figure 2.

Interactive comment on Atmos. Chem. Phys. Discuss., 4, 5381, 2004.

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