

***Interactive comment on “Cluster analysis of
midlatitude oceanic cloud regimes – Part 2:
Temperature sensitivity of cloud properties” by
N. D. Gordon and J. R. Norris***

N. D. Gordon and J. R. Norris

n.gordon@leeds.ac.uk

Received and published: 26 May 2010

Our purpose in setting many restrictions on the data is to make sure that observed relationships between cloud properties and temperature change are truly due to temperature change and not some other dynamical factor that jointly produces changes in cloudiness and changes in temperature. We want to be confident that the changes that we are observing are a result of thermodynamic differences in the subgroups, and not dynamic differences. For each restriction, tropopause height, lower-tropospheric stability, moisture and temperature advection, we state why we think it is important to take near median values of each of these parameters.

C3184

Interactive comment on Atmos. Chem. Phys. Discuss., 10, 1595, 2010.

C3185