Tropospheric ozone and its precursors at Summit, Greenland: comparison between observations and model simulations

Yaoxian Huang\textsuperscript{1,a}, Shiliang Wu\textsuperscript{1,2,3}, Louisa J. Kramer\textsuperscript{1,2,b}, Detlev Helmig\textsuperscript{4}, and Richard E. Honrath\textsuperscript{1,2,†}

\textsuperscript{1}Department of Geological and Mining Engineering and Sciences, Michigan Technological University, Houghton, Michigan, USA
\textsuperscript{2}Atmospheric Sciences Program, Michigan Technological University, Houghton, Michigan, USA
\textsuperscript{3}Department of Civil and Environmental Engineering, Michigan Technological University, Houghton, Michigan, USA
\textsuperscript{4}Institute of Arctic and Alpine Research, University of Colorado, Boulder, Colorado, USA
\textsuperscript{a}now at: School of Forestry and Environmental Studies, Yale University, New Haven, Connecticut, USA
\textsuperscript{b}now at: University of Birmingham, Birmingham, UK
\textsuperscript{†}deceased

Correspondence to: S. Wu (slwu@mtu.edu) and Y. Huang (yaoxian.huang@yale.edu)
**Figure S1.** Differences of global annual mean surface C$_2$H$_6$ mixing ratios between GEOS-Chem model control simulations and NEI11_MIX runs during 07/2008-06/2010.