

RADIATIVE FORCING IN THE NORTHERN HEMISPHERE

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Anthropogenic climate change is due to a wide range of forcing mechanisms. We present calculations of the radiative forcing due to anthropogenic emissions leading to changes in the concentrations of several trace gases and aerosols. Increases in all major well mixed greenhouse gases are included as well as changes in tropospheric and stratospheric ozone. The radiative forcing due to certain aerosols is also estimated. The calculations have been performed for the Northern Hemisphere, and the main focus has been on high latitudes.