Safeguarding the Ozone Layer and the Global Climate System

Issues Related to Hydrofluorocarbons and Perfluorocarbons

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Cover photo: Nacreous clouds near McMurdo Station in Antarctica. Nacreous clouds are a type of polar stratospheric cloud (or PSC) that occur when the polar stratosphere is very cold, particularly during winter or spring. PSCs play a major role in ozone depletion because reactions on the surfaces of particles in these clouds convert chlorine and bromine into forms that are highly reactive with ozone. © Seth White.