

INTERGOVERNMENT PANEL ON CLIMATE CHANGE (IPCC)

ADC SITE MAP LOCATION #29

Book: Aviation and the Global Atmosphere, was published for the Intergovernmental Panel on Climate Change by the Press Syndicate of the University of Cambridge in 1999.**

This book details the tremendous impacts of aviation on climate, air quality, and global warming from jet fuel emissions, particulates, water vapor, atmospheric ozone, contrails, and consequences of greenhouse gas emissions.*

This book is still available for those who are interested in scientific research on this subject. It should be noted that NASA studies backup the information in this publication.

Subsonic aviation from commercial airlines is used for this publication. Military aviation is not part of this investigation although the greatest usage of jet fuel is by the United States military and not by commercial aviation. With expected increases in subsonic aviation from all sources the negative effects will continue to increase until action is taken to reduce their impacts.***

This book examines Subsonic Aircraft Effects from:

Carbon Dioxide

Ozone

Methane

Water Vapor

Contrails

Cirrus Clouds

Sulfate & Soot Particles

Climate Effects

UV and UV-B Radiation Effects

Future Issues

*The Reference Sections of this book are valuable tools for further research.

**Please note that this section has referenced Chapters from this book and that it is available online for your information.

***The ADC feels that aviation has not been considered by our elected officials as being a major source of climate change and has contributed significantly to global warming in the last two decades. In addition, the negative effects on agriculture, water and soil pollution are rarely discussed by elected officials or the agriculture industry.