# Lecture 16: Atmospheric chemistry

### Questions

- How do solar forcing, radiative and convective transfer set the vertical temperature structure of the atmosphere, the latitudinal heat transport by the atmosphere, and the global wind patterns that drive ocean circulation?
- How does the greenhouse effect work?
- What's up with the ozone layer?

### Tools

 Gas phase chemistry, radiative and convective heat transfer, box models, photochemistry, etc.

# Reading:

- Grotzinger and Jordan Chapter 15 plus some issues raised in G & J chapter 23
- A good short book is Daniel Jacob, Introduction to Atmospheric Chemistry

# **Atmospheric Chemistry Questions And Answers**

**Douw Steyn, Rohit Mathur** 

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