

Interactive comment on “Comment on “Clouds and the Faint Young Sun Paradox” by Goldblatt and Zahnle (2011)” by R. Rondanelli and R. S. Lindzen

J. Kasting (Referee)

jfk4@psu.edu

Received and published: 11 November 2011

This is a fair reply to the paper by Goldblatt and Zahnle (2011). Although I am not personally an expert in cirrus clouds or their effects on climate, it is evident that cirrus clouds (and clouds in general) can influence climate evolution on the early Earth. Exactly how big this influence might be is currently a matter of debate. I hope that the result of this exchange will be to encourage researchers to develop 3-D models of Earth’s early climate in which cloud and surface albedo feedbacks can be more explicitly studied.

Jim Kasting

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper



Penn State

Interactive comment on Clim. Past Discuss., 7, 3577, 2011.

CPD

7, C1837–C1838, 2011

Interactive
Comment

Full Screen / Esc

Printer-friendly Version

Interactive Discussion

Discussion Paper

C1838

