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Debra Weisenstein

A Three-Way Comparison Between TES/OSS Retrievals, their PDS Counterparts, and Radio Science Profiles

By Jean-Luc Moncet, Gennady Uymin, Debra Weisenstein, Karen Cady-Pereira

December 6, 2011

AGU Fall Meeting 2011

Filed under: Mars, Planets, Tropospheric Emission Spectrometer (TES)

Adverse Impacts of Geoengineering by Stratospheric Aerosol Injection Methods

By Debra Weisenstein, P. Heckendorn, J. Pierce, T. Peter, D. Keith

October 26, 2010

American Association for Aerosol Research (AAAR) 29th Annual Conference, Portland Oregon, 26-29 October 2010.

Filed under: Atmosphere, Climate change, Climate engineering

Efficient formation of stratospheric aerosol for climate engineering by emission of condensible vapor from aircraft

By J. Pierce, Debra Weisenstein, P. Heckendorn, T. Peter, D. Keith

September 22, 2010

Geophysical Research Letters, Vol.37, L18805, 5 PP., doi:10.1029/2010GL043975.

Filed under: Atmosphere, Climate change, Climate engineering

The impact of geoengineering aerosols on stratospheric temperature and ozone

By P. Heckendorn, Debra Weisenstein, S. Fueglistaler, B. P. Luo, E. Rozanov, M. Schraner, L. W. Thomason, T. Peter

November 13, 2009

Environmental Research Letters, Vol. 4, 045108, 12pp., doi:10.1088/1748-9326/44/045108

Filed under: Climate change, Climate engineering

Separating chemistry and transport effects in two-dimensional models

By Debra Weisenstein, M.K.W. Ko, Courtney J. Scott, C. H. Jackman, E. L. Fleming, D. B. Considine, D. E. Kinnison, P. S. Connell, D. A. Rotman

September 29, 2009

Journal of Geophysical Research

Filed under: Atmospheric composition

H₂SO₄ photolysis: A source of sulfur dioxide in the upper stratosphere

By Debra Weisenstein, M.K.W. Ko, N.D. Sze, C.P. Rinsland, M.R. Gunson, R. Zander, M.C. Abrams, A. Godlman, G.K. Yue

March 21, 1995

Geophysical Research Letters

Filed under: Atmosphere, Atmospheric composition, Carbon-budget and trace-gas modeling, Trace gases

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