

● (Tue.) October 5

[ORAL] Session A. Stratospheric Ozone Science

Date / Time (Tue.) October 5, 2021 / 12:00-12:45 (UTC)

Session Code TUE1

Session Chair Birgit Hassler, Matt Tully

[TUE1_1] 12:00-12:05

Evaluating Stratospheric Ozone Changes in CMIP6 Models from 1850 to 2100

James Keeble^{1,2}, Birgit Hassler³, Antara Banerjee^{4,5}, Ramiro Checa-Garcia⁶, Gabriel Chiodo^{7,8}, Sean Davis⁴, Veronika Eyring^{3,9}, Paul T. Griffiths^{1,2}, Olaf Morgenstern¹⁰, Peer Nowack^{11,12}, Guang Zeng¹⁰, Jiankai Zhang¹³, Greg Bodeker^{14, 15}, Susannah Burrows¹⁶, Philip Cameron-Smith¹⁷, David Cugnet¹⁸, Christopher Danek¹⁹, Makoto Deushi²⁰, Larry W. Horowitz²¹, Anne Kubin²², Lijuan Li²³, Gerrit Lohmann¹⁹, Martine Michou²⁴, Michael J. Mills²⁵, Pierre Nabat²⁴, Dirk Olivié²⁶, Sungsu Park²⁷, Øyvind Seland²⁶, Jens Stoll²², Karl-Hermann Wieners²⁸, and Tongwen Wu²⁹

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[TUE1_2] 12:05-12:10

Ozone Trends on Dynamical Coordinate Systems

L. Millán¹, G. Manney^{2,3}, M. Santee¹, and N. Livesey¹

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[TUE1_3] 12:10-12:15

New Perspective on Regional Total Ozone Trends 1995-2020 Derived from the GOME-Type Total Ozone Essential Climate Variable (GTO-ECV) Data Record

Melanie Coldewey-Egbers¹, Diego Loyola¹, Klaus-Peter Heue¹, Christophe Lerot², and Michel van Roozendaal²

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V. Program Schedule

[TUE1_4] 12:15-12:20

Global Recovery Trends Derived from Five Merged Total Ozone Datasets

Mark Weber¹, Carlo Arosio¹, Melanie Coldewey-Egbers², Vitali E. Fioletov³, Stacey M. Frith⁴, Jeannette D. Wild^{5,6}, Klaereti Tourpali⁷, John P. Burrows¹, and Diego Loyola²

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[TUE1_5] 12:20-12:25

Updated Trends of the Stratospheric Ozone Vertical Distribution in the 60°S-60°N Latitude Range based on the LOTUS Regression Model

N. Azouz¹, S. Godin-Beekmann¹, I. Petropavlovskikh², G. Ancellet¹, D. A. Degenstein³, D. Zawada³, V. Sofieva⁴, L. Froidevaux⁵, S. Frith⁶, J. Wild⁷, S. Davis², W. Steinbrecht⁸, T. Leblanc⁵, R. Querel⁹, D. Hubert¹⁰, K. Tourpali¹¹, and R. Damadeo⁶

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[TUE1_6] 12:25-12:30

Impact of Small-scale Gravity Waves on Stratospheric Ozone

Michael Weimer¹, Catherine Wilka¹, Douglas Kinnison², Rolando Garcia², Julio Bacmeister³, and Susan Solomon¹

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[TUE1_7] 12:30-12:35

Repartitioning of Extratropical Stratospheric Chlorine Reservoirs by the 2020 Australian Wildfires

Susan Strahan^{1,2}, Dan Smale³, Ghassan Taha^{1,2}, Megan Damon^{1,4}, Stephen Steenrod^{1,2}, Nicholas Jones⁵, Ben Liley³, John Robinson³, and Richard Querel³

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Q&A

12:35-12:45