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Impacts Of Atmospheric Acidity On Halogen Chemistry From Preindustrial To Present Day Shuting Zhai<sup>1</sup>, Xuan Wang<sup>2</sup>, Tomás Sherwen<sup>3,4</sup>, Jonathan Moch<sup>2</sup>, Mat Evans<sup>3,4</sup>, Yuk Chun Chan<sup>1</sup>, Becky Alexander<sup>1</sup>  
<sup>1</sup>Department Of Atmospheric Sciences, University Of Washington, Seattle, Washington, USA <sup>2</sup>School Of Engineering And Applied Sciences, Harvard University, Cambridge, Massachusetts, USA Mar 5th, 2024

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Atmospheric, Chemistry, Lecture, 3, Altitude(km)  
Temperature (K) Air Density (cm<sup>3</sup>) Ozone (cm<sup>3</sup>)  
0 288 2.55 → 1019 7.6 → 1011 2 275 2.09 → 1019 6.8 →  
1011 4 262 1.70 → 1019 5.8 → 1011 6 249 1.37 →  
1019 5.7 → 1011 8 236 1.09 → 1019 6.5 → 1011 10  
223 8.60 → 1018 1.13 → 1012 12 217 6.49 → 1018  
2.02 → 1012 14 217 4.74 ... Jan 4th, 2024

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M 4/11 . Catalytic Loss Cycles. CFCs. Exam 1: W 4/13 .  
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Loss. Role Of Aerosol Chemistry In The Stratosphere. W  
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4/25 . Montreal Protocol. Exam 2. W 4/27 . Oxidizing  
Capacity Of The ... Mar 3th, 2024

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May 22, 2015 · Important Constants (Ref: NIST)  $N_A = 6.022142E23 \text{ Mol}^{-1}$  = Avogadro Constant  $k_B = 1.38065E23 \text{ J K}^{-1}$  = Boltzmann Constant  $R = 8.31447 \text{ J Mol}^{-1} \text{ K}^{-1}$  = Molar Gas Constant  $h = 6.626068E34 \text{ J S}$  = Planck Constant  $c = 2.99792458E8 \text{ M S}^{-1}$  = Speed Of Light In Vacuum ... JANAF Tables ... Jan 6th, 2024

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- Spot The Atmospheric Reaction That Could Easily Be Approximated As A Pseudo-first Order Reaction: •A:  $\text{CH}_3\text{OO} + \text{NO} \rightarrow \text{CH}_3\text{O} + \text{NO}_2$  •B:  $\text{CH}_3\text{O} + \text{O}_2 \rightarrow \text{CH}_2\text{O} + \text{HO}_2$  •C:  $\text{HO}_2 + \text{O}_3 \rightarrow \text{OH} + 2 \text{O}_2$  Extra. 12/9/ Apr 7th, 2024

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W Van Gaens, S Iseni, A Schmidt-Bleker  
...Cited By: 167  
Publish Year: 2016  
Author: Ansgar Schmidt-Bleker, Jörn Winter, André Bösel, Step Apr 12th, 2024

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