



## Supplemental Material

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# 1      The response of the ozone layer to quadrupled CO<sub>2</sub> concentrations

## 2      (SUPPLEMENTARY MATERIAL)

3      G. Chiodo\* and L.M. Polvani

4      *Department of Applied Physics and Applied Mathematics,*

5      *Columbia University, New York, NY, USA*

6      D.R. Marsh

7      *National Center for Atmospheric Research,*

8      *Boulder, CO, USA*

9      W.Ball, A.Stenke, and E.Rozanov

10     *ETH, Zurich, Switzerland*

11     S.Muthers

12     *now at: Deutscher Wetterdienst, Research Center Human Biometeorology, Freiburg 79104,*

13     *Germany*

14     K. Tsigaridis

15     *Goddard Institute for Space Studies,*

16     *New York, NY, USA*

<sup>17</sup> \*Corresponding author address: G. Chiodo, Department of Applied Physics and Applied Mathematics, 200 Seeley W. Mudd Building, 2nd floor, 500 West 120th Street, New York, NY, USA

<sup>18</sup> E-mail: chiodo@columbia.edu

## ABSTRACT

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<sup>21</sup> **1. Supplementary Figures**



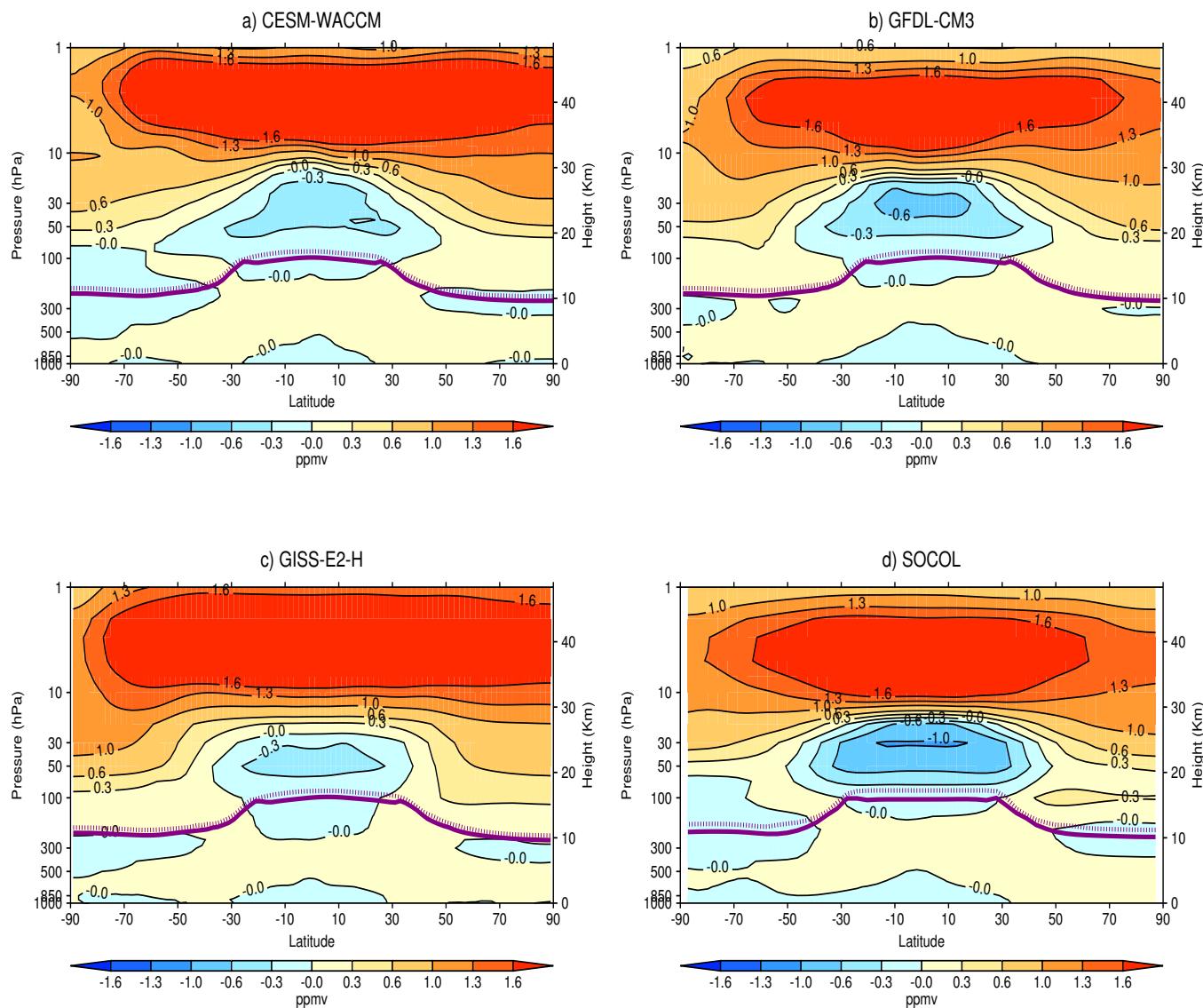
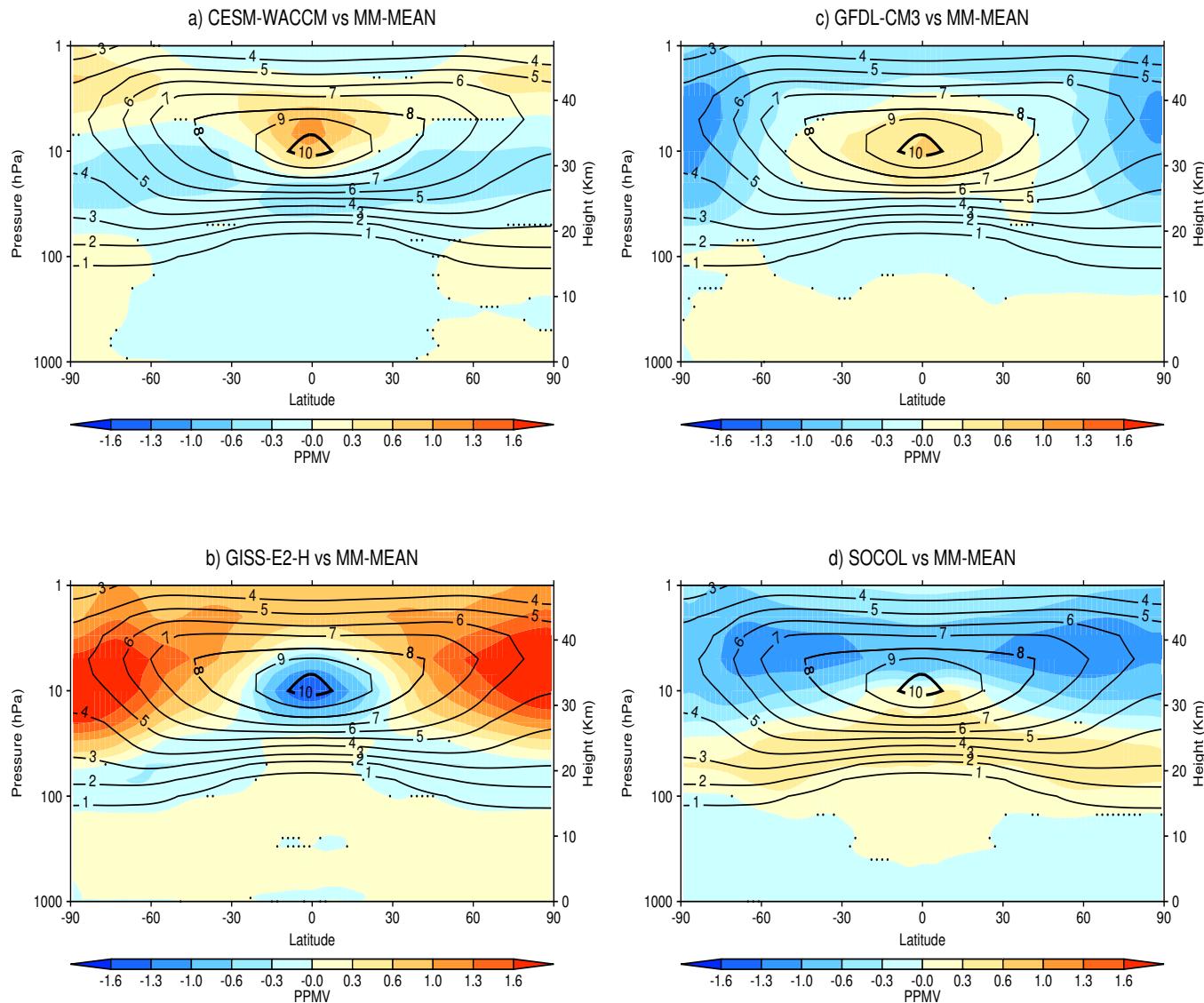
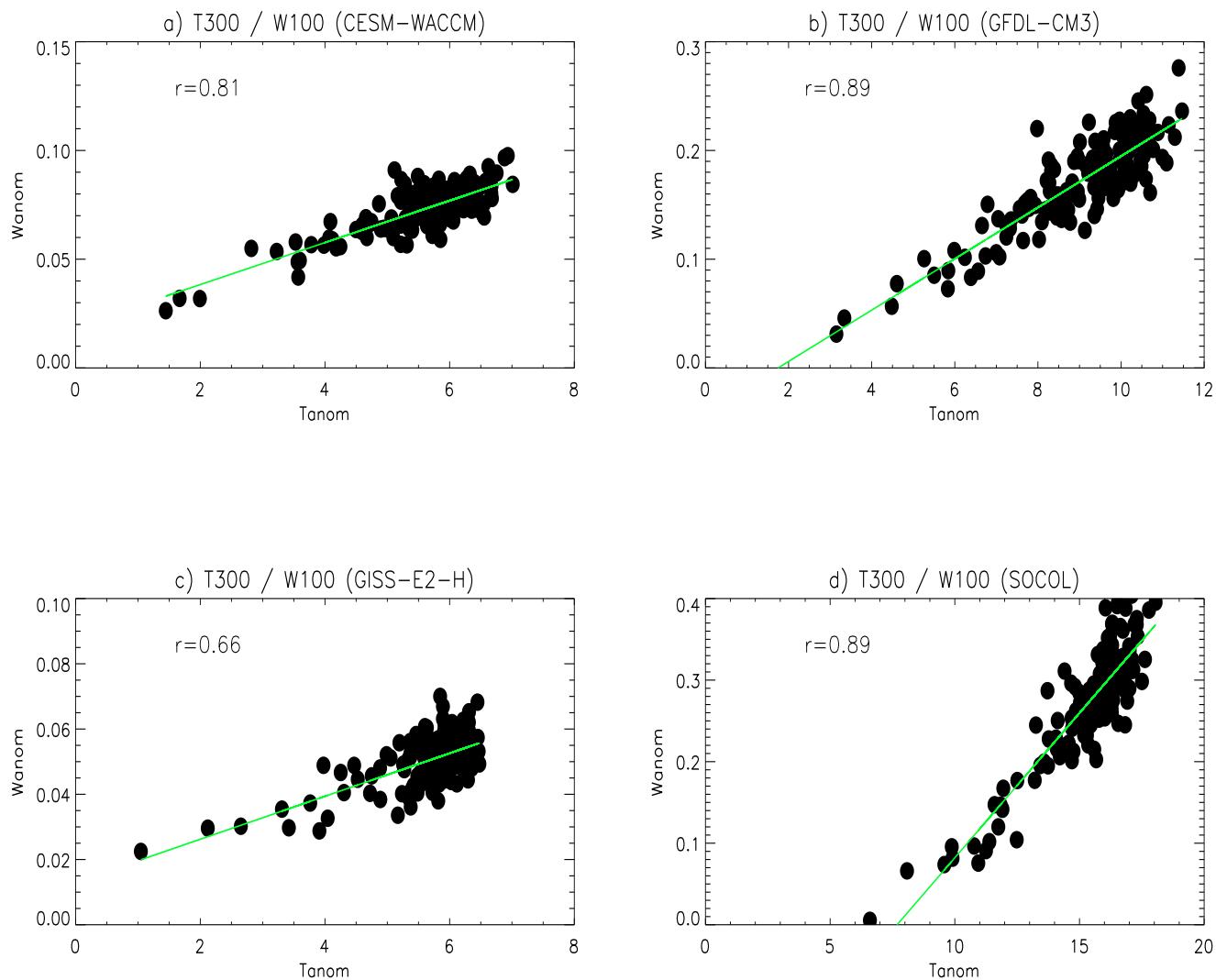


Figure S1. Same as Fig 2, in ppmv.



28      Figure S2. Difference between each model and the multi-model mean PI climatology, in ppmv. Line contours  
29      show the multi-model mean climatological ozone distribution.



30      Figure S3. Scatterplots of tropical average (30N-30S) response to  $4\times\text{CO}_2$  in upper tropospheric temperature  
31      at 300 hPa vs upwelling at 100 hPa in the four models.