Supplementary material for Multi-model assessment of stratospheric ozone return dates and ozone recovery in CCMVal-2 models

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In this supplementary material, we show Figure 6 of the primary article, but for the individual chemistryclimate models in the tropics (Figures SM1 to SM5), northern midlatitudes (Figures SM6 to SM10), southern midlatitudes (Figures SM11 to SM15), spring-time Arctic (Figures SM16 to SM20) and springtime Antarctic (Figures SM21 to SM25). All information found in the supplementary material is also referred to in the primary article.



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Figure SM1. Same as Figure 6 but for CCSRNIES (left) and CMAM (right) in the tropics (25°S-25°N annual mean).



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Figure SM2. Same as Figure 6 but for E39CA (left) and GEOSCCM (right) in the tropics (25°S-25°N annual mean).



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Figure SM3. Same as Figure 6 but for LMDZrepro (left) and MRI (right) in the tropics (25°S-25°N annual mean).



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Figure SM4. Same as Figure 6 but for SOCOL (left) and ULAQ (right) in the tropics (25°S-25°N annual mean). Note that the SOCOL fGHG simulation is carried out with varying SSTs and SICs instead of fixed at 1960 conditions as in all other simulations.



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Figure SM5. Same as Figure 6 but for UMSLIMCAT (left) and WACCM (right) in the tropics (25°S-25°N annual mean).



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Figure SM6. Same as Figure 6 but northern midlatitudes for CCSRNIES (left) and CMAM (right).



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Figure SM7. Same as Figure 6 but northern midlatitudes for E39CA (left) and GEOSCCM (right).



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Figure SM8. Same as Figure 6 but northern midlatitudes for LMDZrepro (left) and MRI (right).



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Figure SM9. Same as Figure 6 but northern midlatitudes for SOCOL (left) and ULAQ (right).



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Figure SM10. Same as Figure 6 but northern midlatitudes for UMSLIMCAT (left) and WACCM (right).



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Figure SM11. Same as Figure 6 but southern midlatitudes for CCSRNIES (left) and CMAM (right).



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Figure SM12. Same as Figure 6 but southern midlatitudes for E39CA (left) and GEOSCCM (right).



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Figure SM13. Same as Figure 6 but southern midlatitudes for LMDZrepro (left) and MRI (right).



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Figure SM14. Same as Figure 6 but southern midlatitudes for SOCOL (left) and ULAQ (right).



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Figure SM15. Same as Figure 6 but southern midlatitudes for UMSLIMCAT (left) and WACCM (right).



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Figure SM16. Same as Figure 6 but spring-time Arctic for CCSRNIES (left) and CMAM (right).



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Figure SM17. Same as Figure 6 but spring-time Arctic for E39CA (left) and GEOSCCM (right).



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Figure SM18. Same as Figure 6 but spring-time Arctic for LMDZrepro (left) and MRI (right).



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Figure SM19. Same as Figure 6 but spring-time Arctic for SOCOL (left) and ULAQ (right).



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Figure SM20. Same as Figure 6 but spring-time Arctic for UMSLIMCAT (left) and WACCM (right).



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Figure SM21. Same as Figure 6 but spring-time Antarctic for CCSRNIES (left) and CMAM (right).



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Figure SM22. Same as Figure 6 but spring-time Antarctic for E39CA (left) and GEOSCCM (right).



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Figure SM23. Same as Figure 6 but spring-time Antarctic for LMDZrepro (left) and MRI (right).



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Figure SM24. Same as Figure 6 but spring-time Antarctic for SOCOL (left) and ULAQ (right).



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Figure SM25. Same as Figure 6 but spring-time Antarctic for UMSLIMCAT (left) and WACCM (right).