



*Supplement of*

## **Differences in the quasi-biennial oscillation response to stratospheric aerosol modification depending on injection strategy and species**

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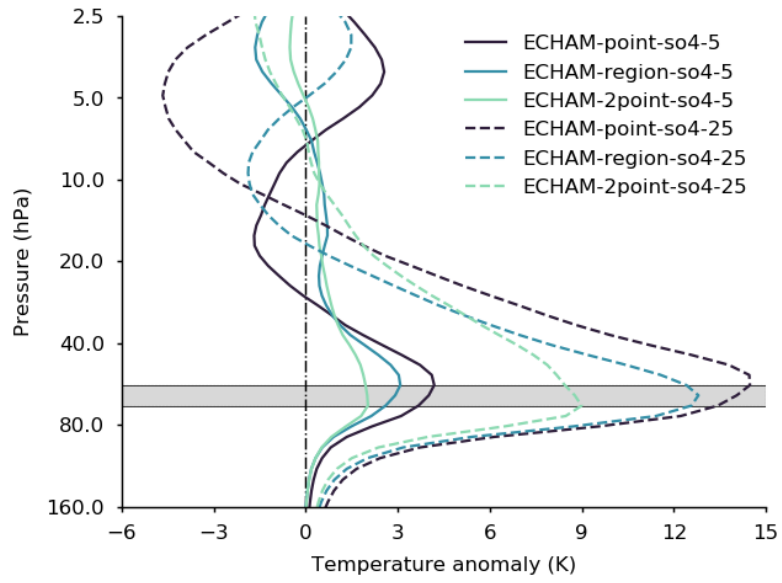


Figure S1: As Figure 6, but for the corresponding injection of  $AM-SO_4$ .

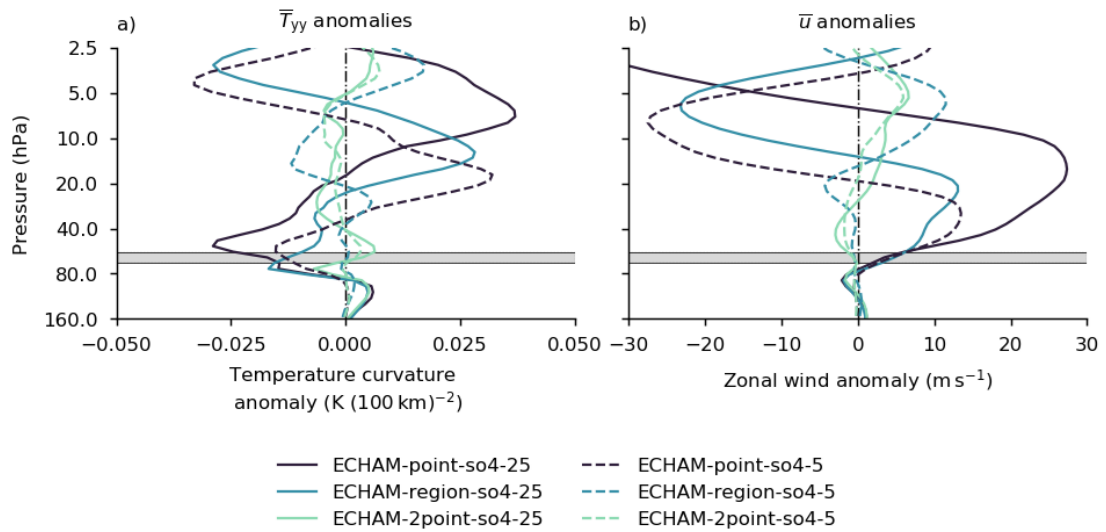


Figure S2: As Figure 7, but for the corresponding injection of  $SO_2$ .

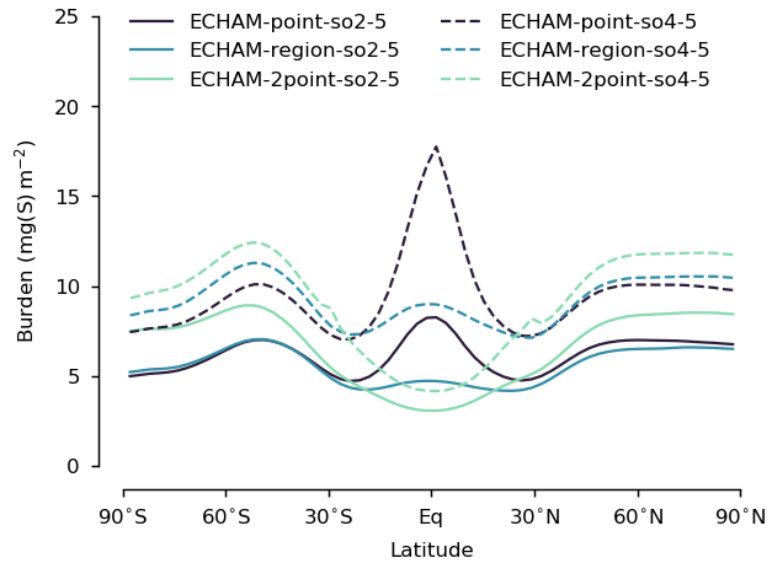


Figure S3: As Figure 8, but for the corresponding injection with an injection rate of  $5 \text{ Tg(S)yr}^{-1}$ .

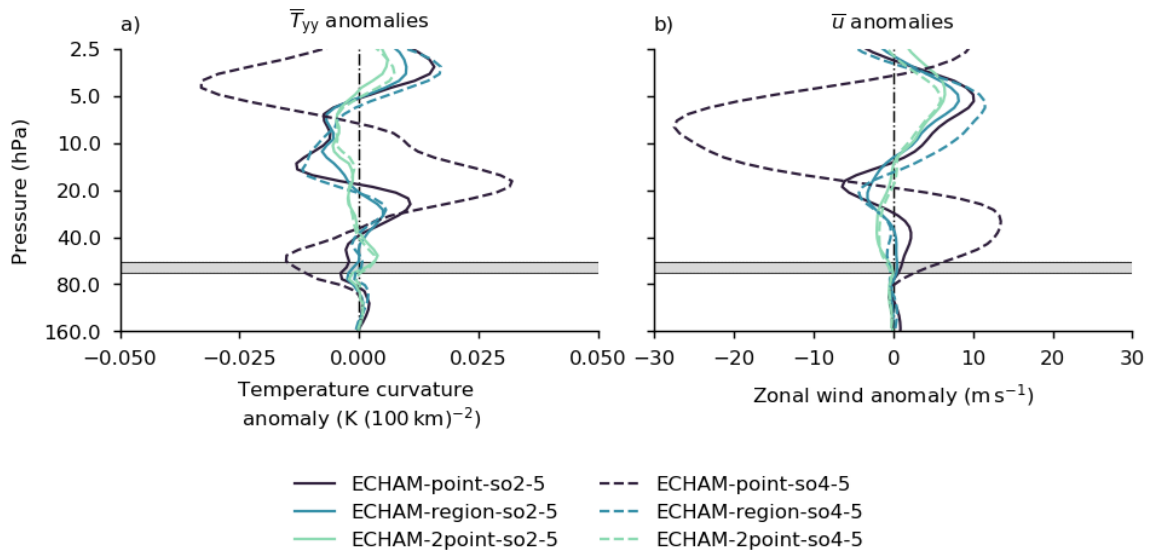


Figure S4: As Figure 9, but for the corresponding injection with an injection rate of  $5 \text{ Tg(S)yr}^{-1}$ .

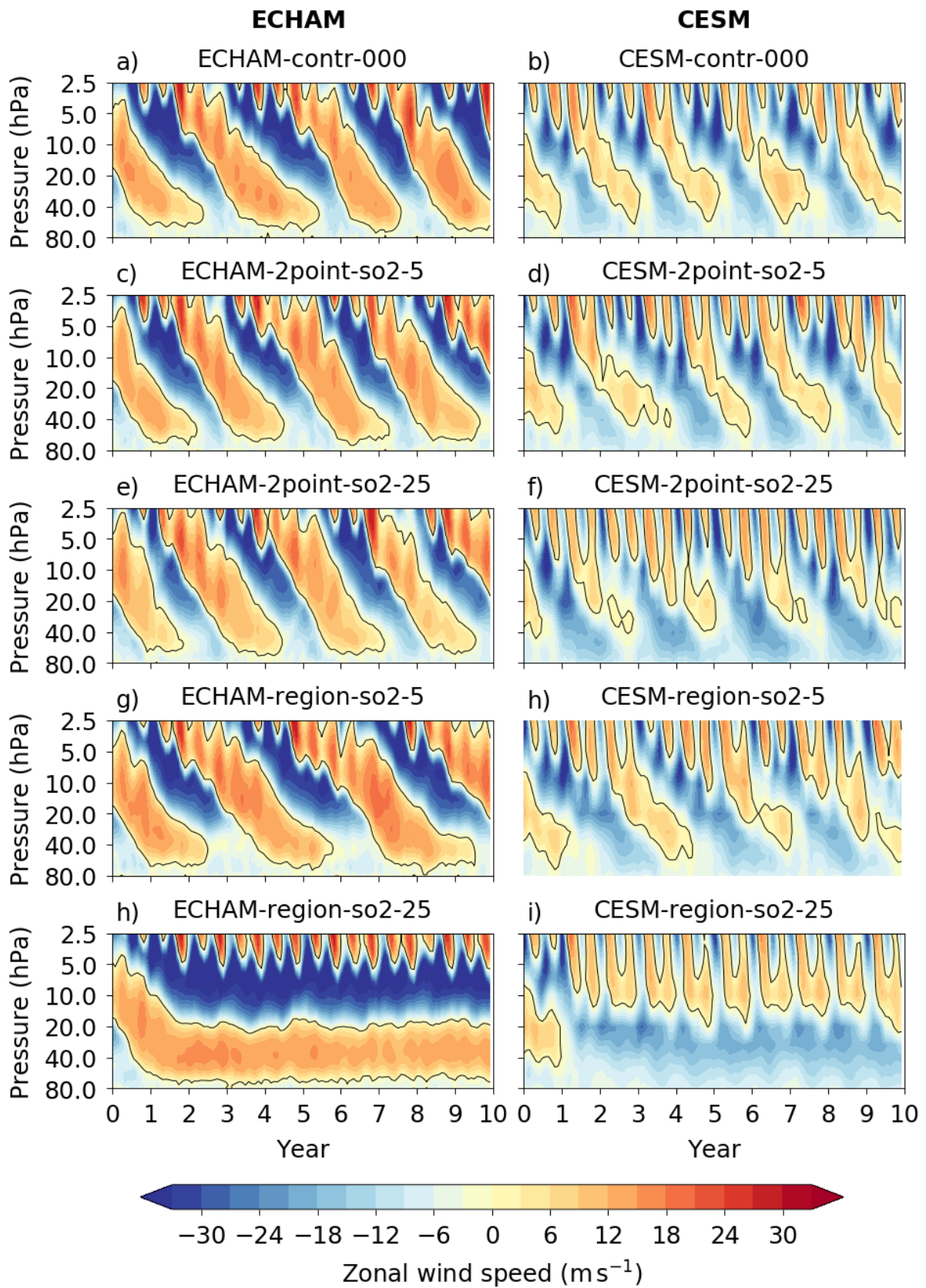


Figure S5: As Figure 12, but for the corresponding injection of SO<sub>2</sub>.

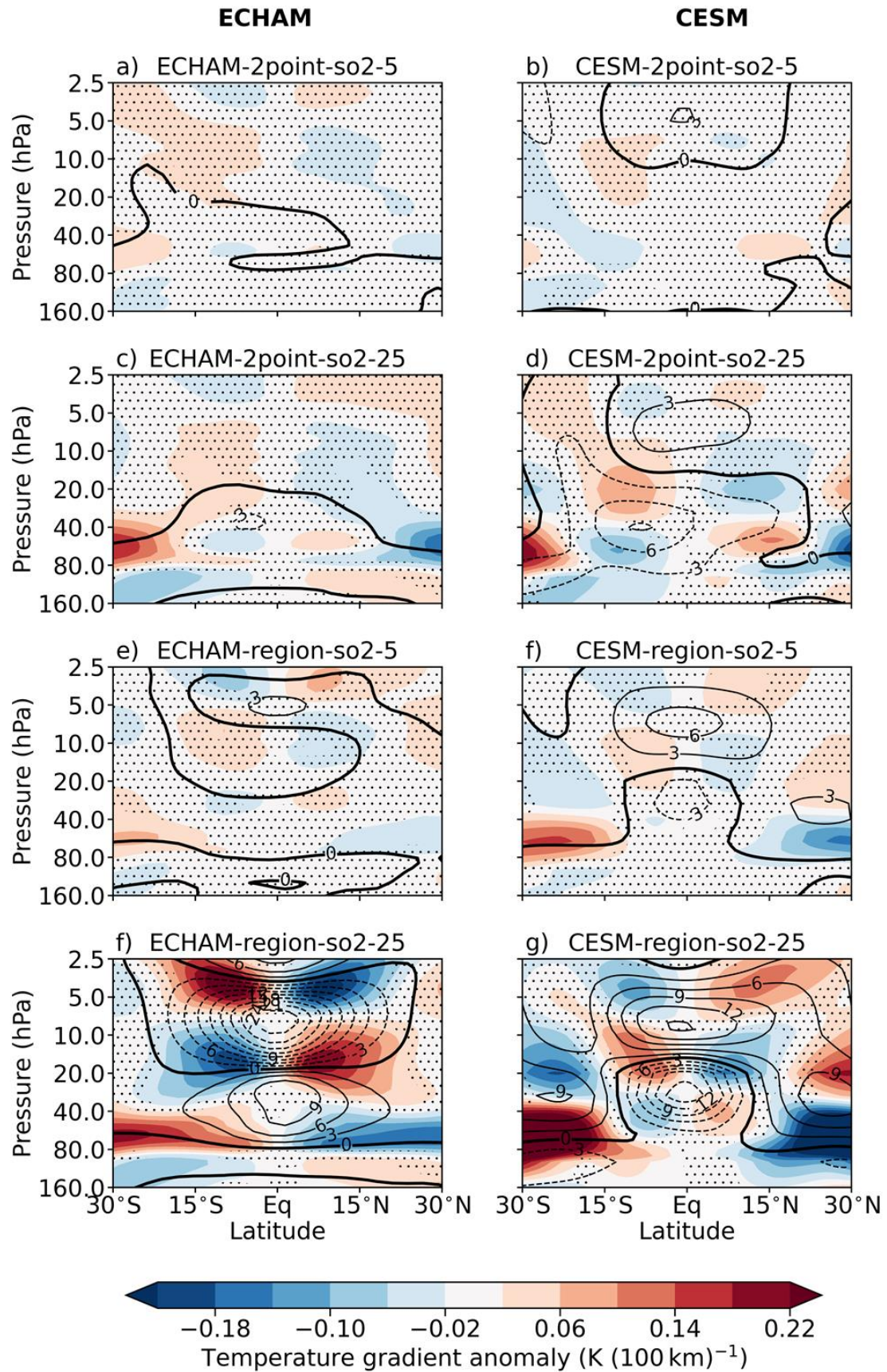


Figure S6: As Figure 13, but for the corresponding injection of SO<sub>2</sub>.

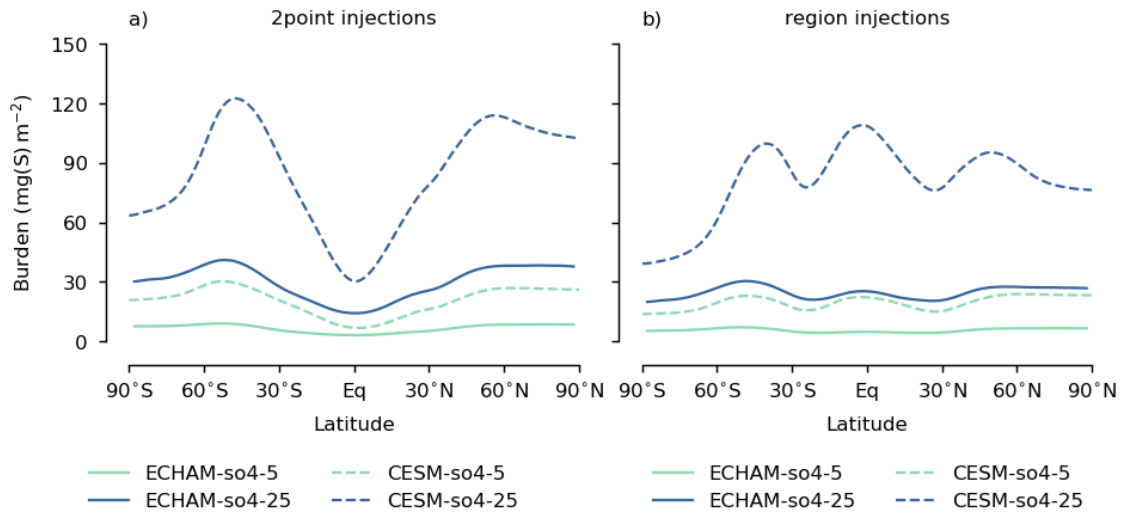


Figure S7: As Figure 14, but for the corresponding injection of SO<sub>2</sub>.