Supplement of "Analysis of recent lower stratospheric ozone trends in chemistry climate models" by Dietmueller et al.
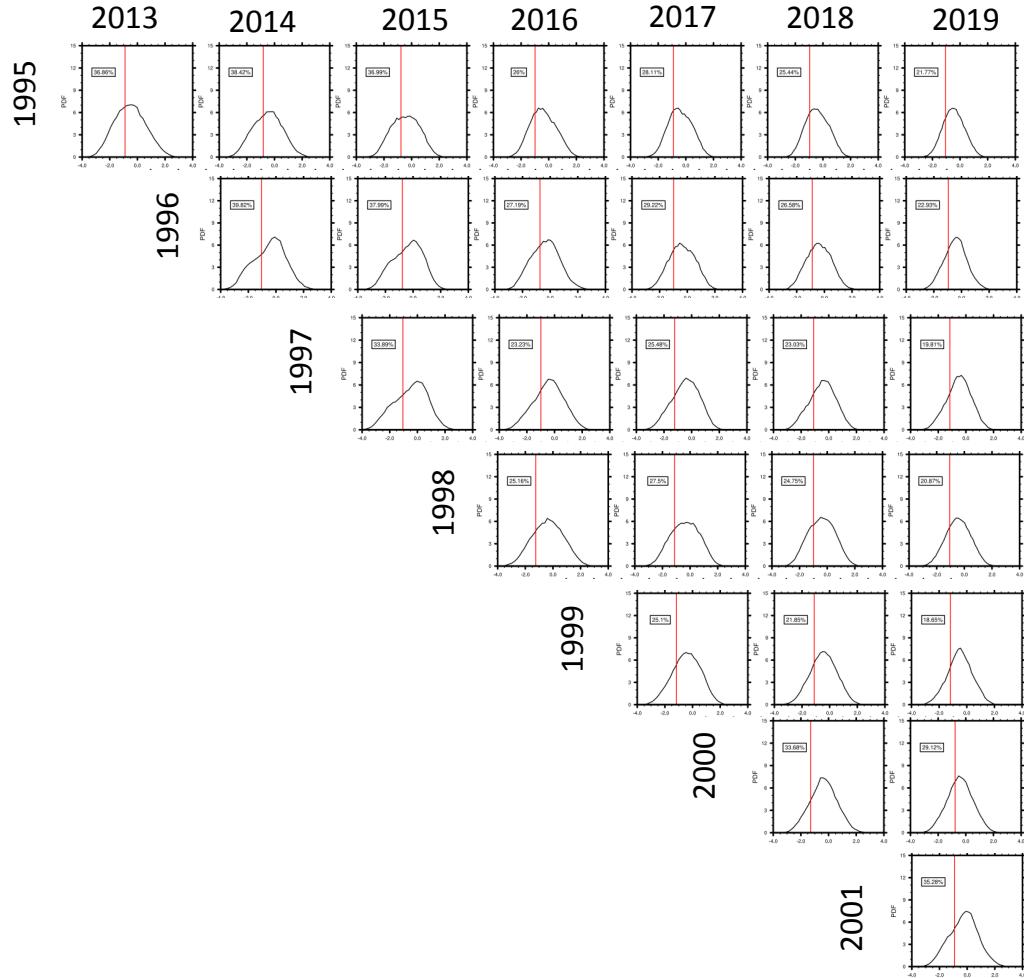
Figure S1. Probability distribution function (PDF) of the models' LS tropical ozone trend (20°S-20°N, 30-100 hPa) as function of different periods. In all panels the x-coordinate denotes the different end years (2013-2019) and the y-coordinate the different start years (1995-2001). The red line indicates the respective observational ozone trend value. Moreover the probability (in %) of the observational trend lying within the models' distribution is given within each panel.
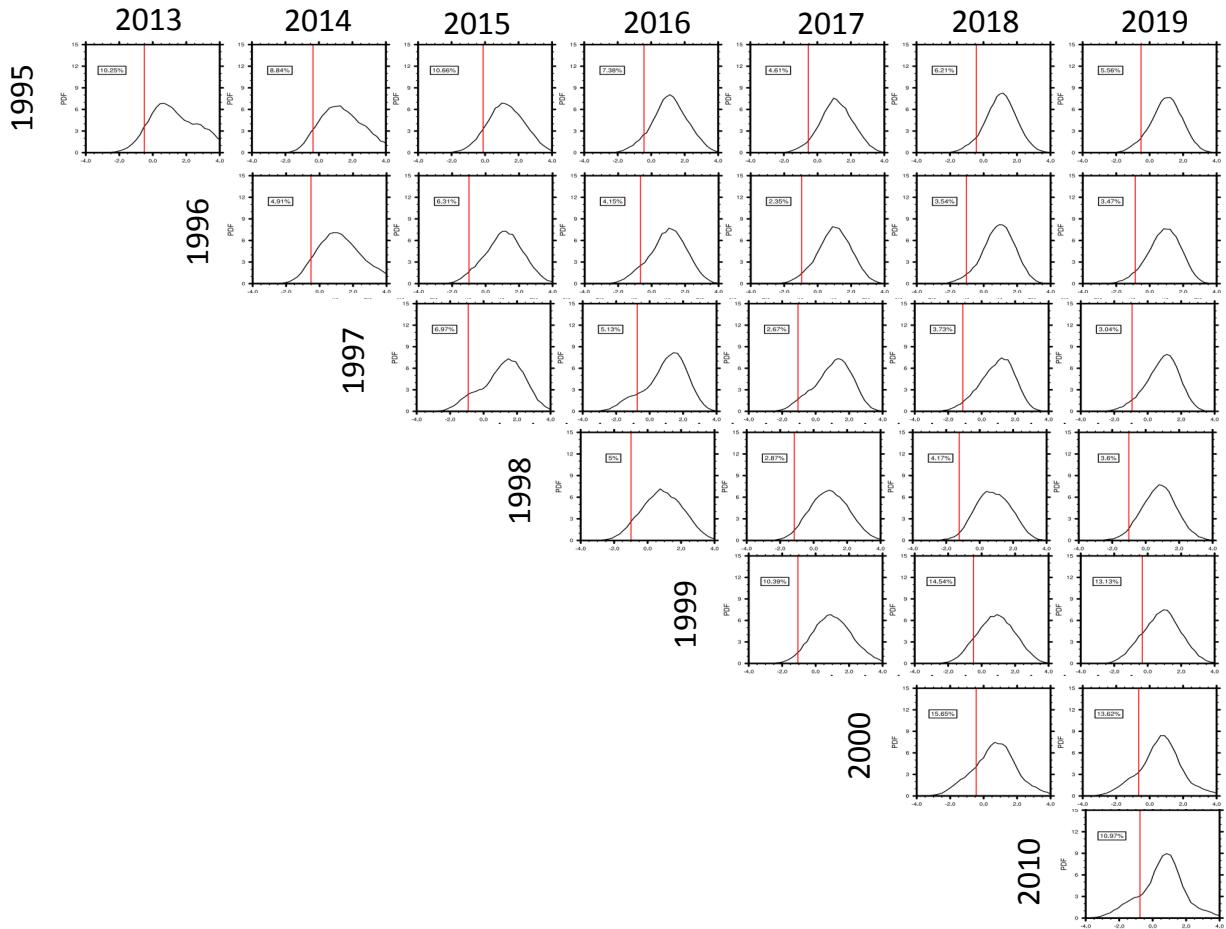
Figure S2. Same as Fig. S1, but PDFs for the models' LS northern mid-latiudes ozone trend (30°N-50°N, 30-150 hPa).
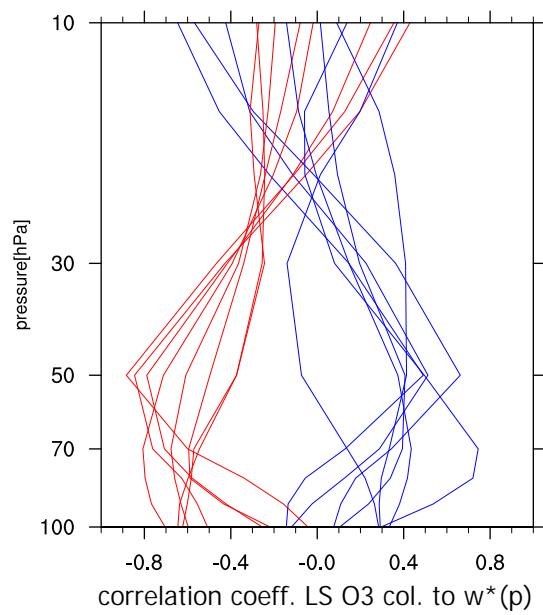
Figure S3. Interannual correlation between tropical upwelling (as function of height) and tropical or northernmid-latitude LS ozone coloumn. Correlation profiles are given for the individual CCMs (red for the tropics, blue for the mid-latitudes).