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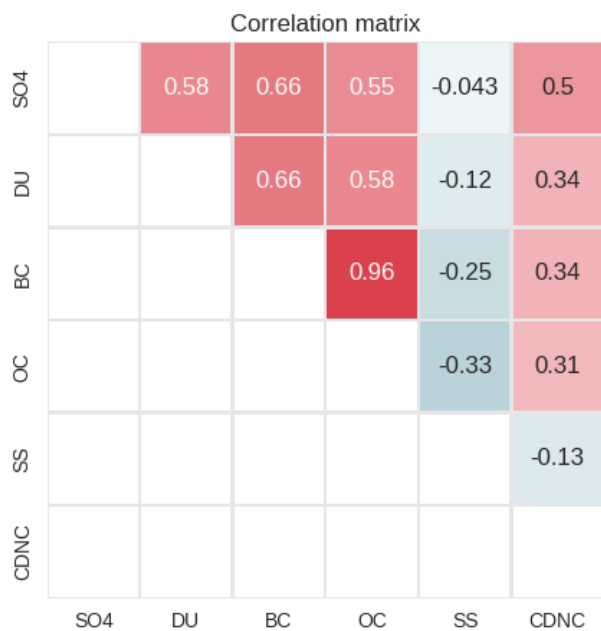
*Supplement of*

## **Predicting decadal trends in cloud droplet number concentration using reanalysis and satellite data**

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**Fig. S 1** Linear correlations between different predictors used in the regression analysis. Note that correlations are between the  $\log_{10}$  of each variable for consistency with the regression model.

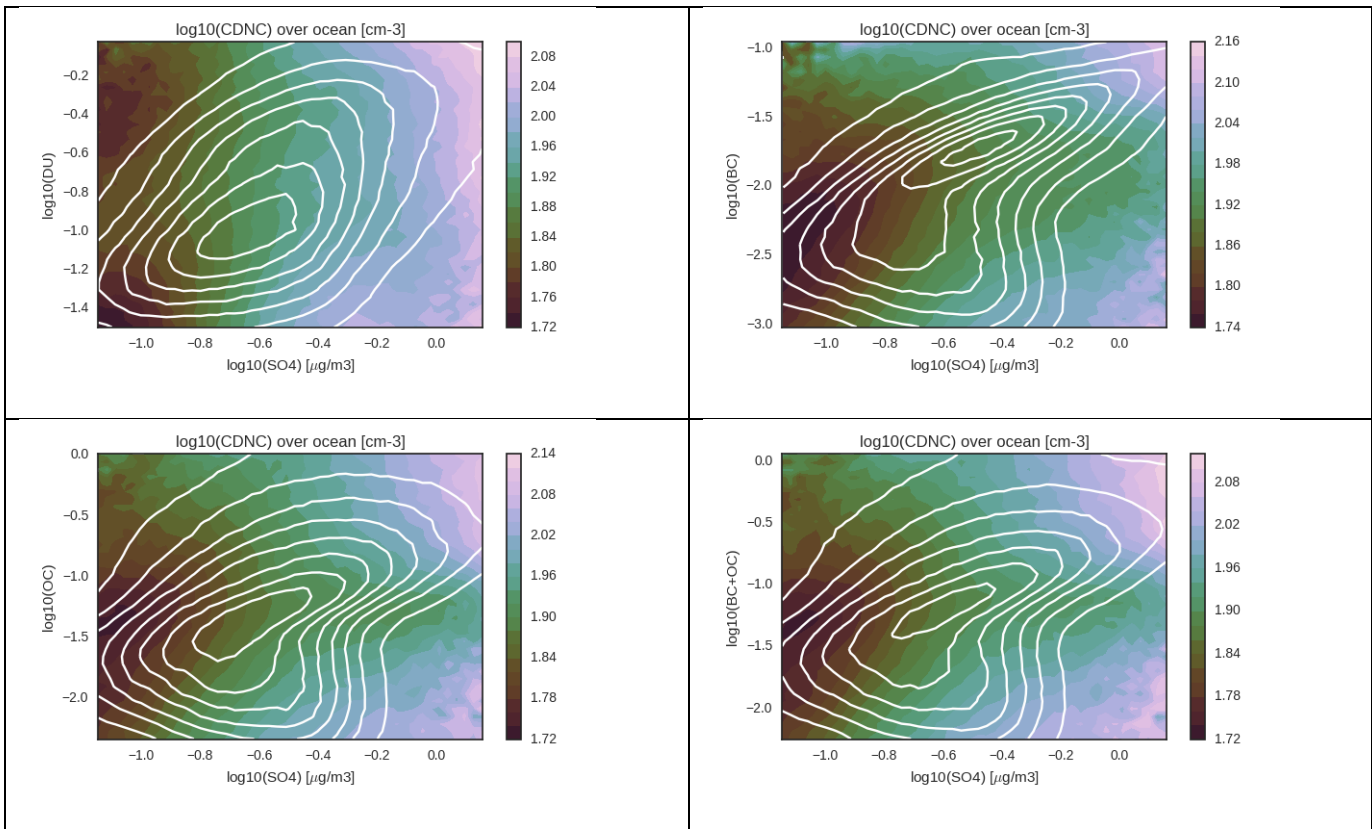


Fig. S 2 As in Figure 4, but for dust, black carbon, organic carbon, and the sum of black and organic carbon.

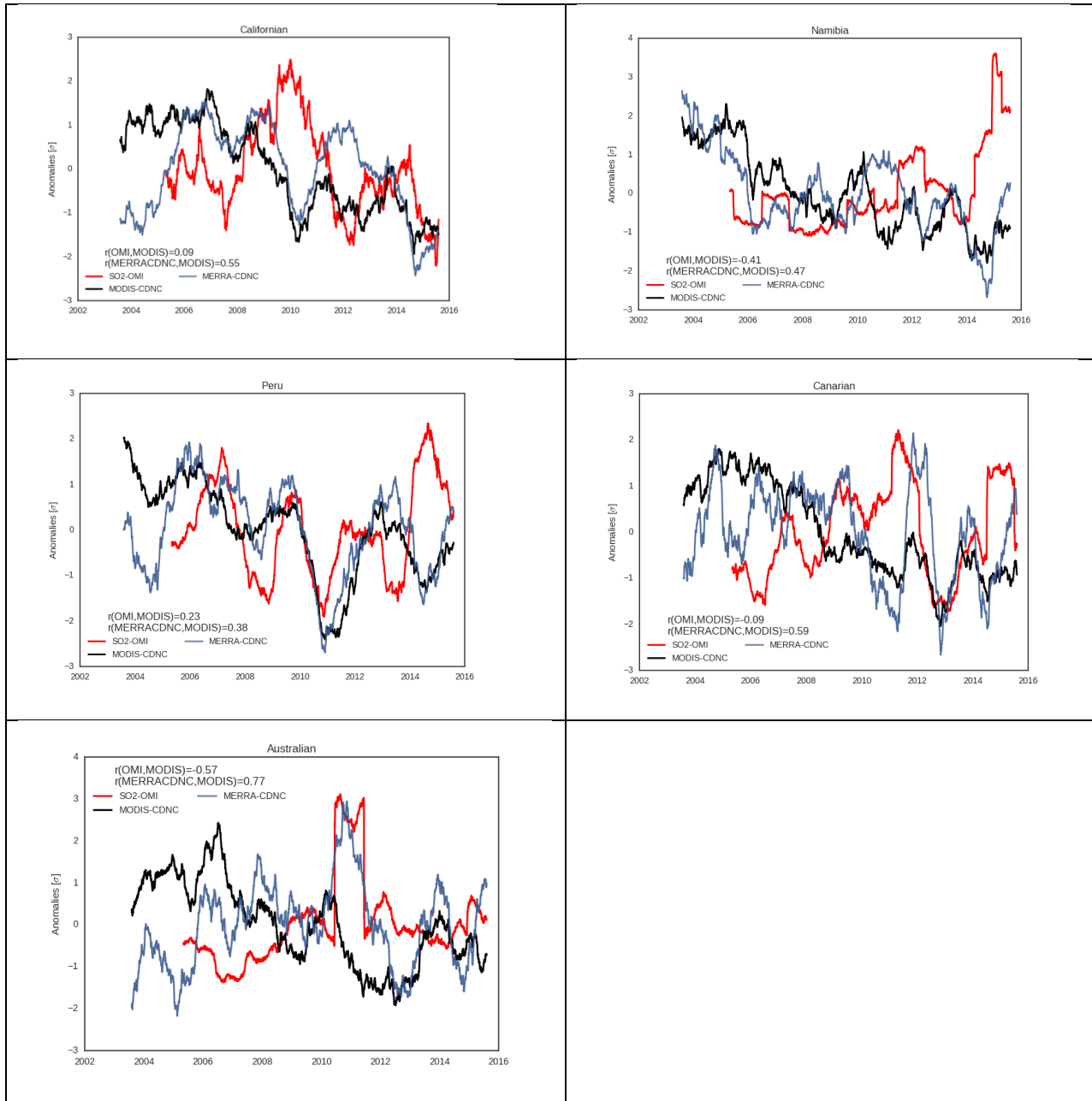
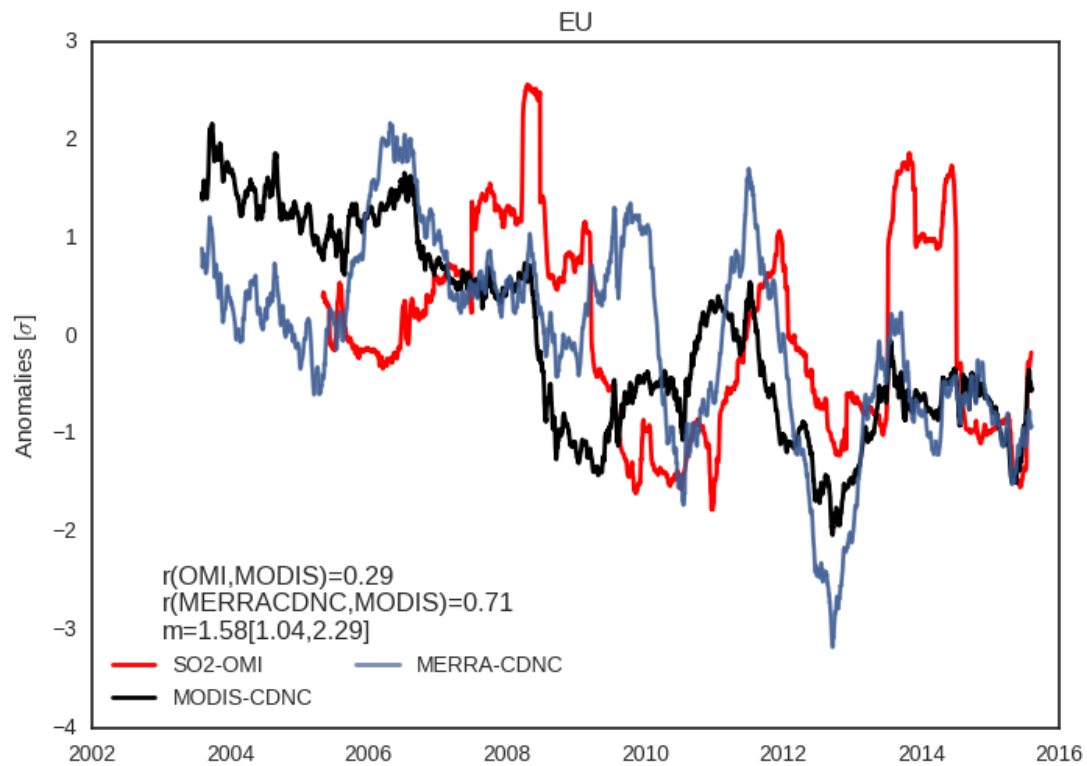


Fig. S 3 As in Figure 5, but corresponding to the stratocumulus regions.



**Fig. S 4** As in Figure 5, but for the European Union region. This region corresponds to the land area 35°N-71°N, 10°W-31°E and the ocean area 35°N-71°N, 31°W-31°E.