

*JGR: Oceans*

Supporting Information for

**20th Century Multivariate Indian Ocean Regional Sea Level Reconstruction**

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**A. Supporting Figures**



Figure S1. List of all the tide gauge stations used as a source of historic sea level in the multivariate sea level reconstruction.

A close up of a map

Description automatically generated

Figure S2. Data density map showing percentage of ERSSTv5 data available for **(a)** 1900-1960 and **(b)** 1960 – 2018. **(c)** Percentage of available ICOADS SLP data 1900 – 1960 and **(d)** 1960 – 2018.

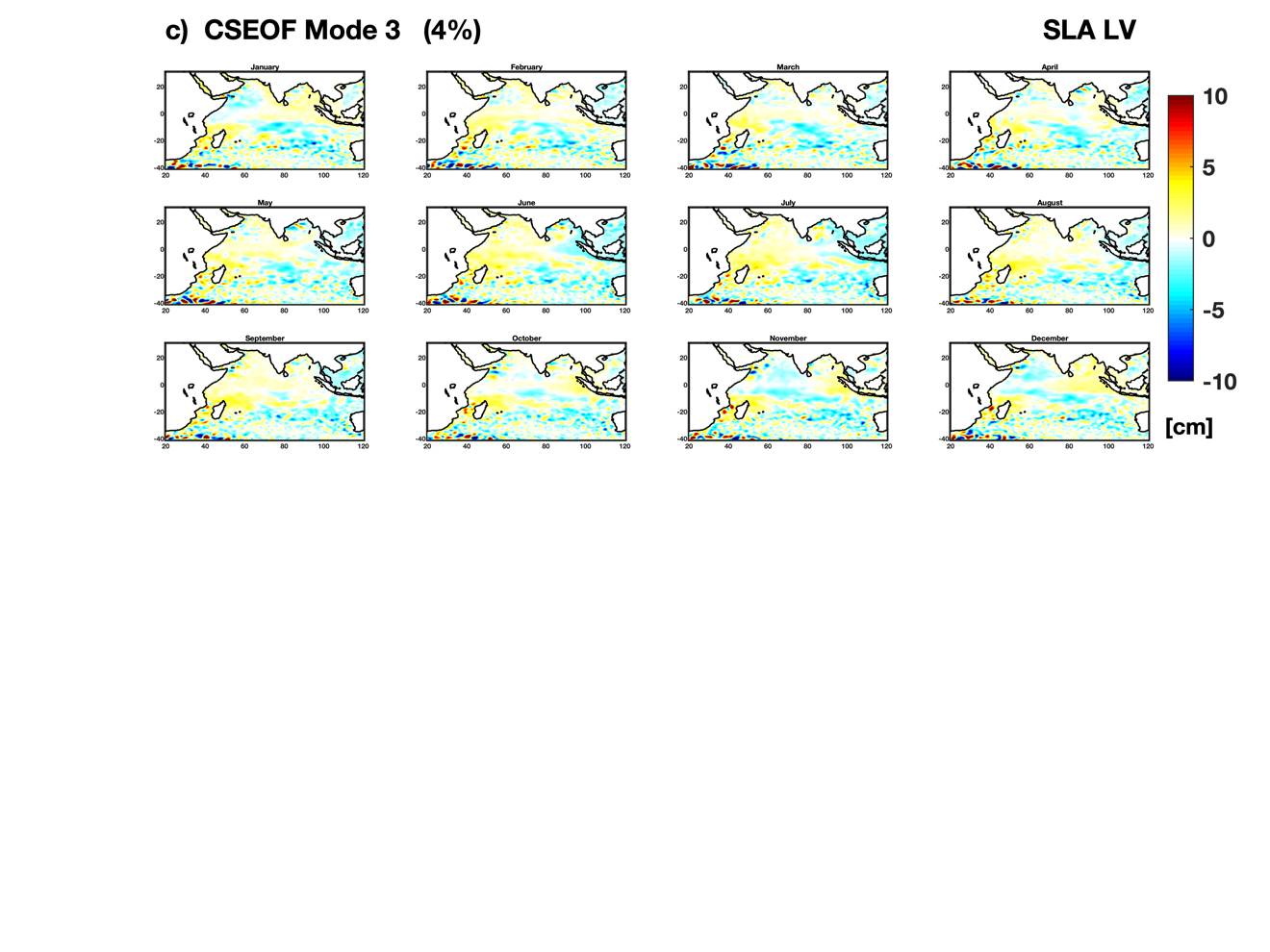
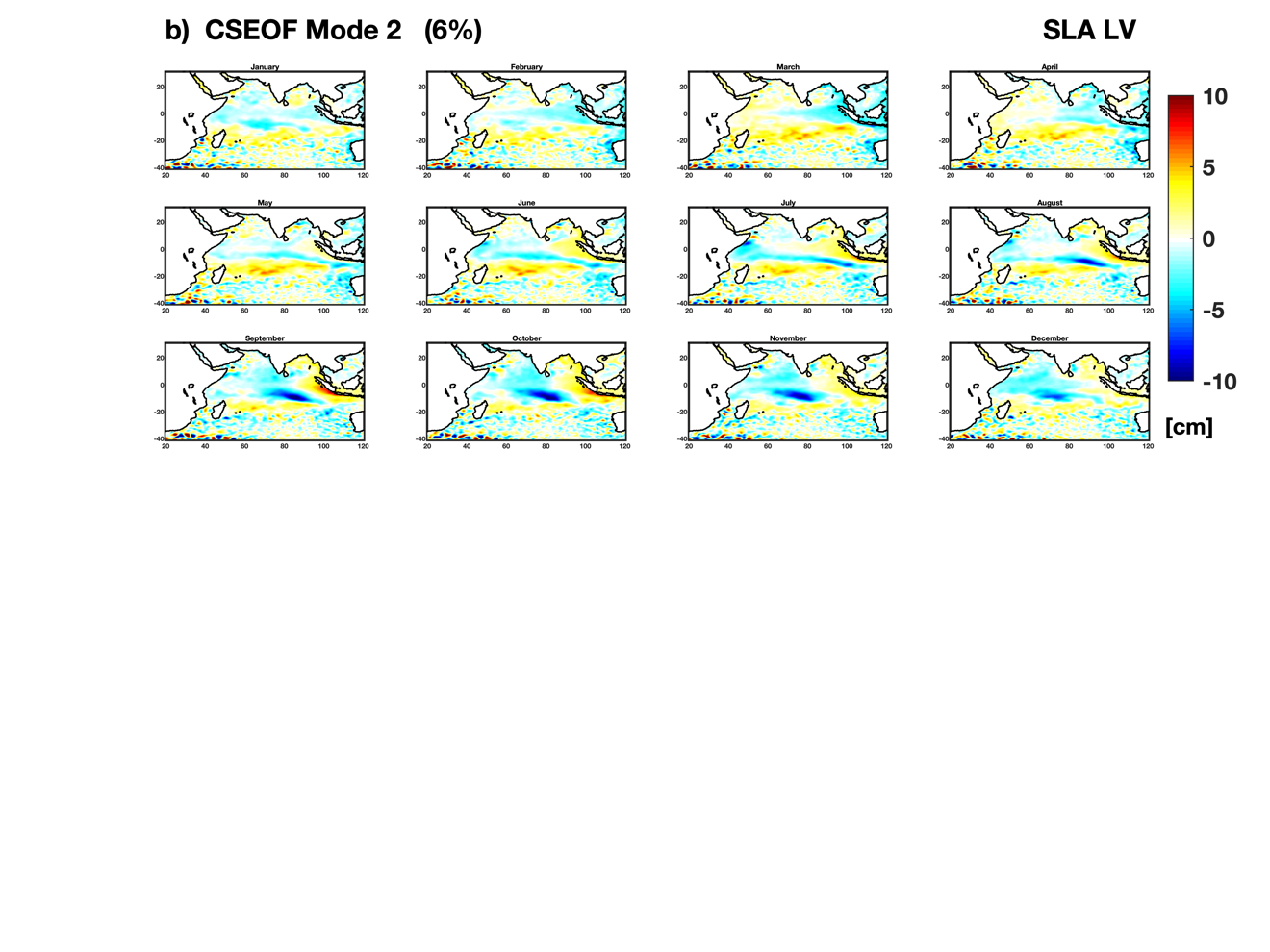
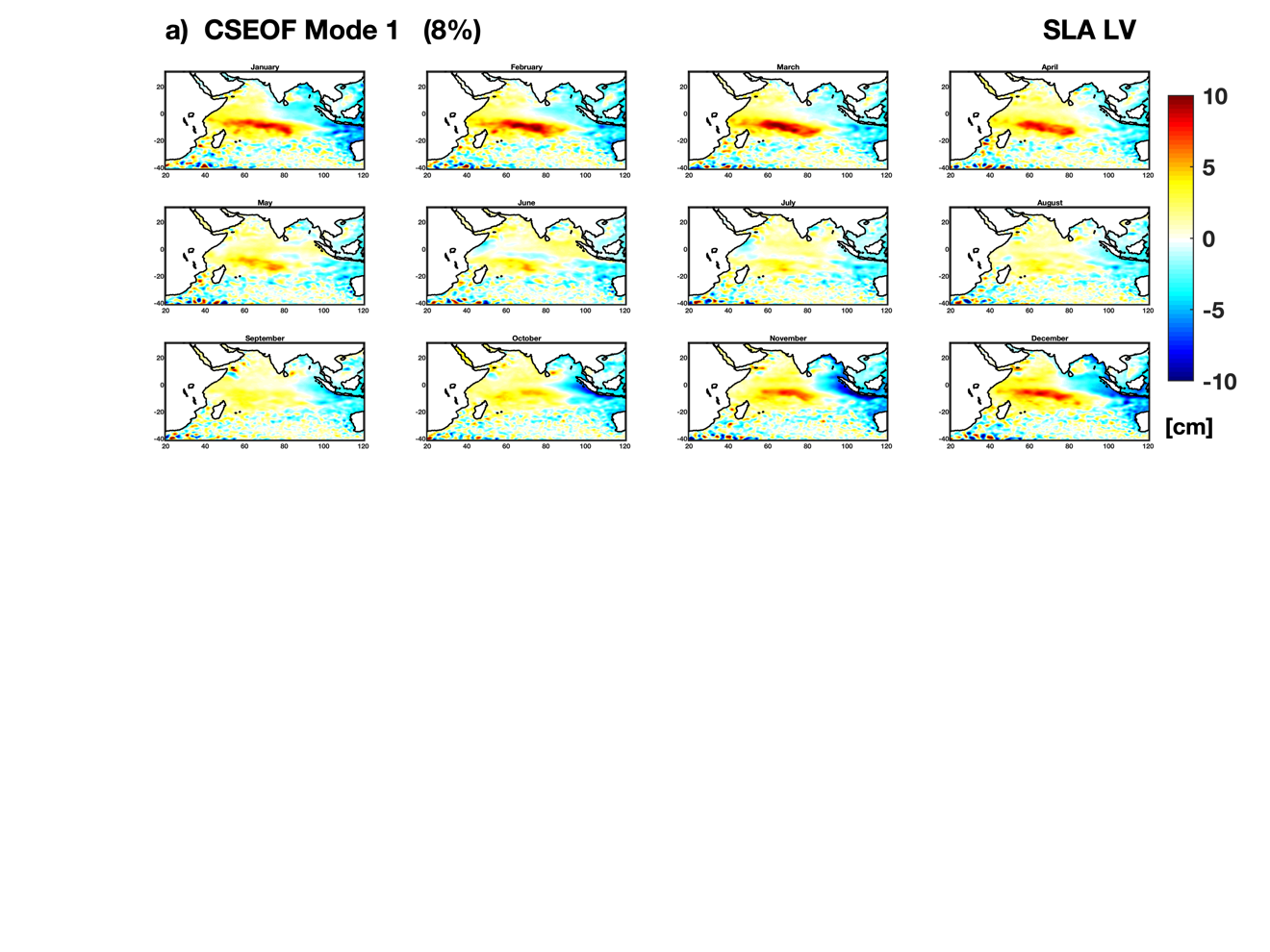


Figure S3: (a-c) LV spatial patterns for Figure 3 PCTS associated with the first three modes (not including the seasonal cycle).