

Supporting Information for “How exceptional was the 2015–2019 Central American Drought?”

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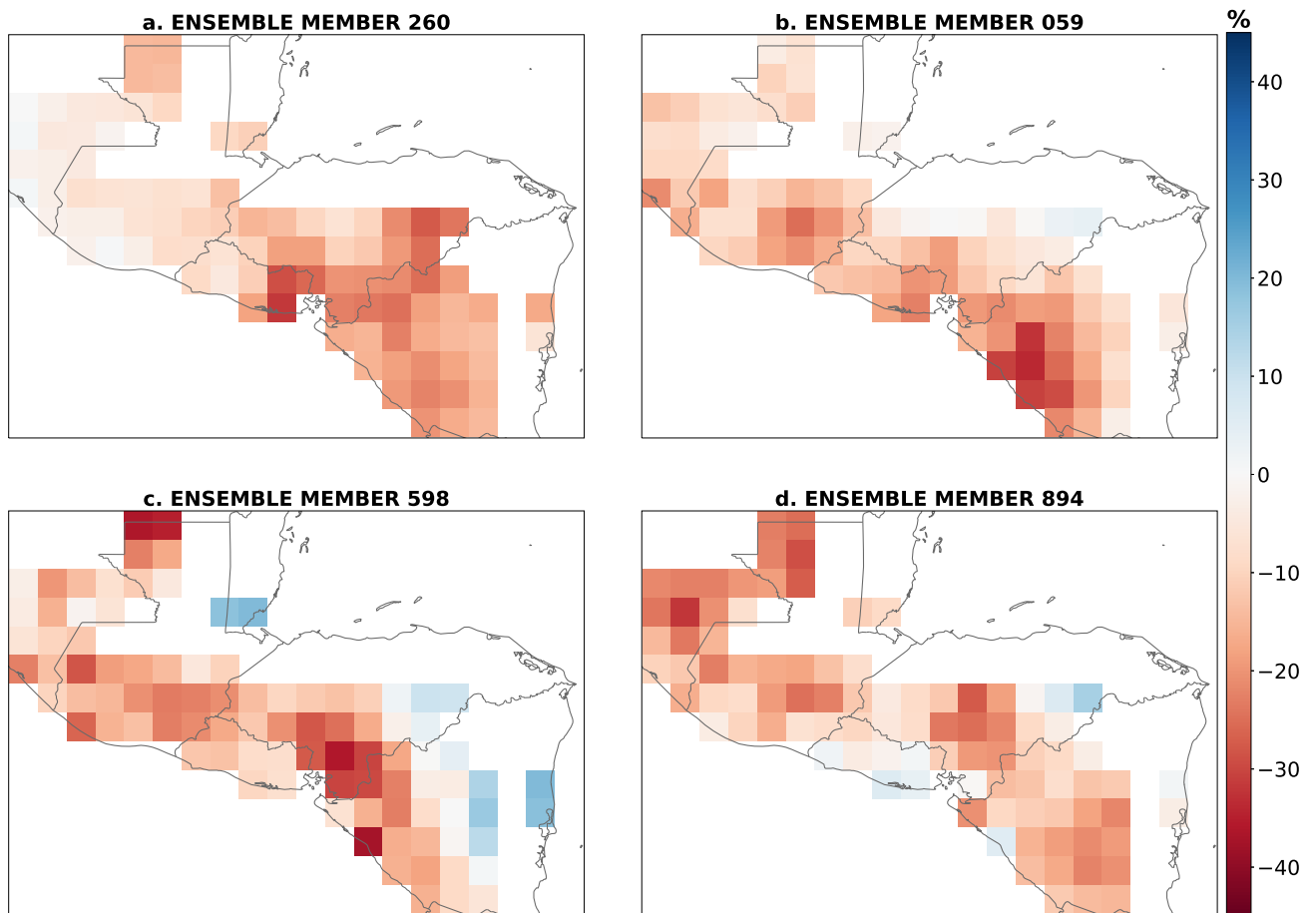


Figure S1. Droughts produced by the prec-synth-OLE that have a regional mean of equal or greater magnitude than the observed 2015-2019 drought. Example (a) is the highest spatially correlated 5-year drought with observations while (d) is the lowest. (b) and (c) represent the 75th and 25th percentiles of spatial anomaly correlations with the 2015-2019 observations, respectively.

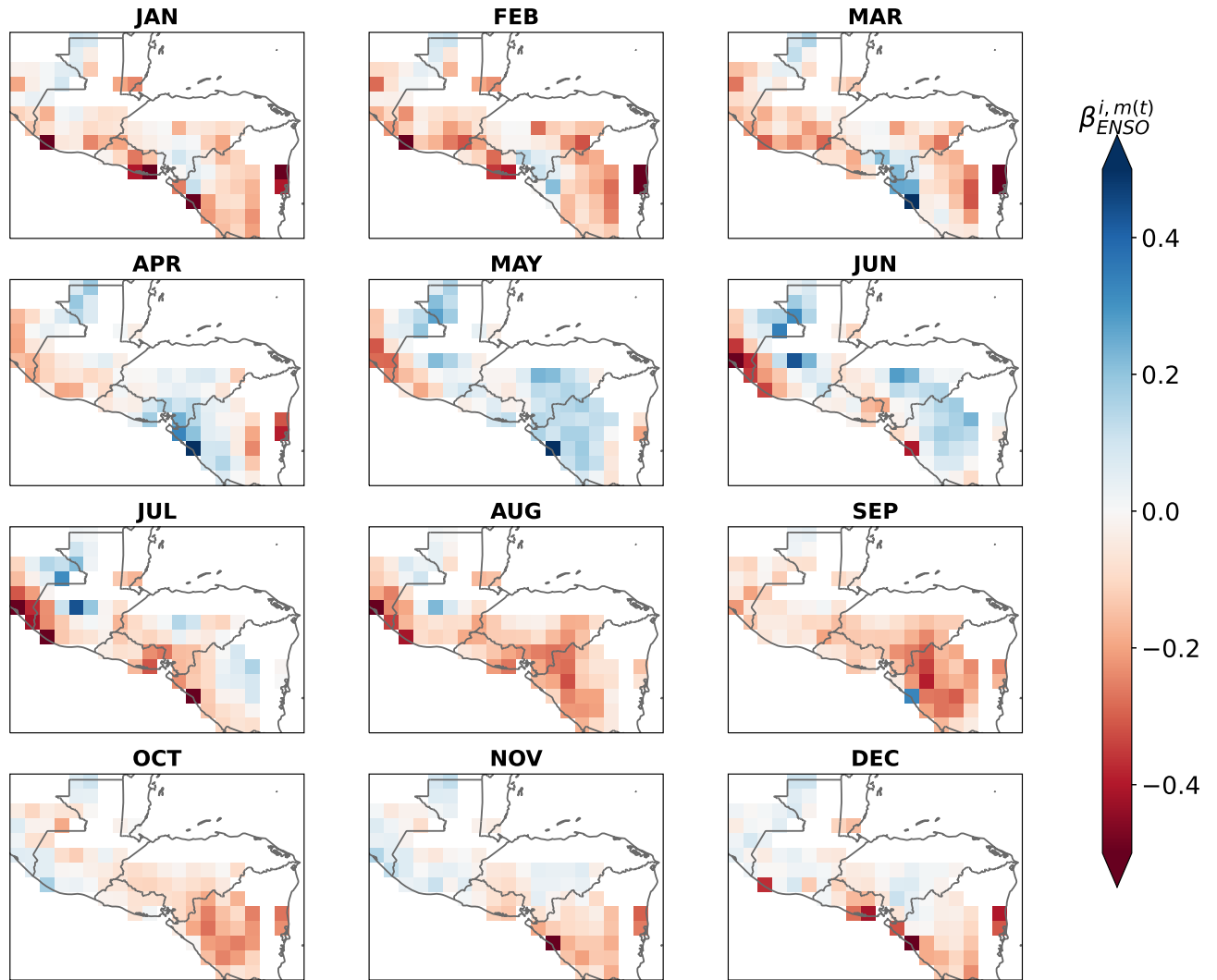


Figure S2. Monthly ENSO β coefficients for the prec-synth-OLE.

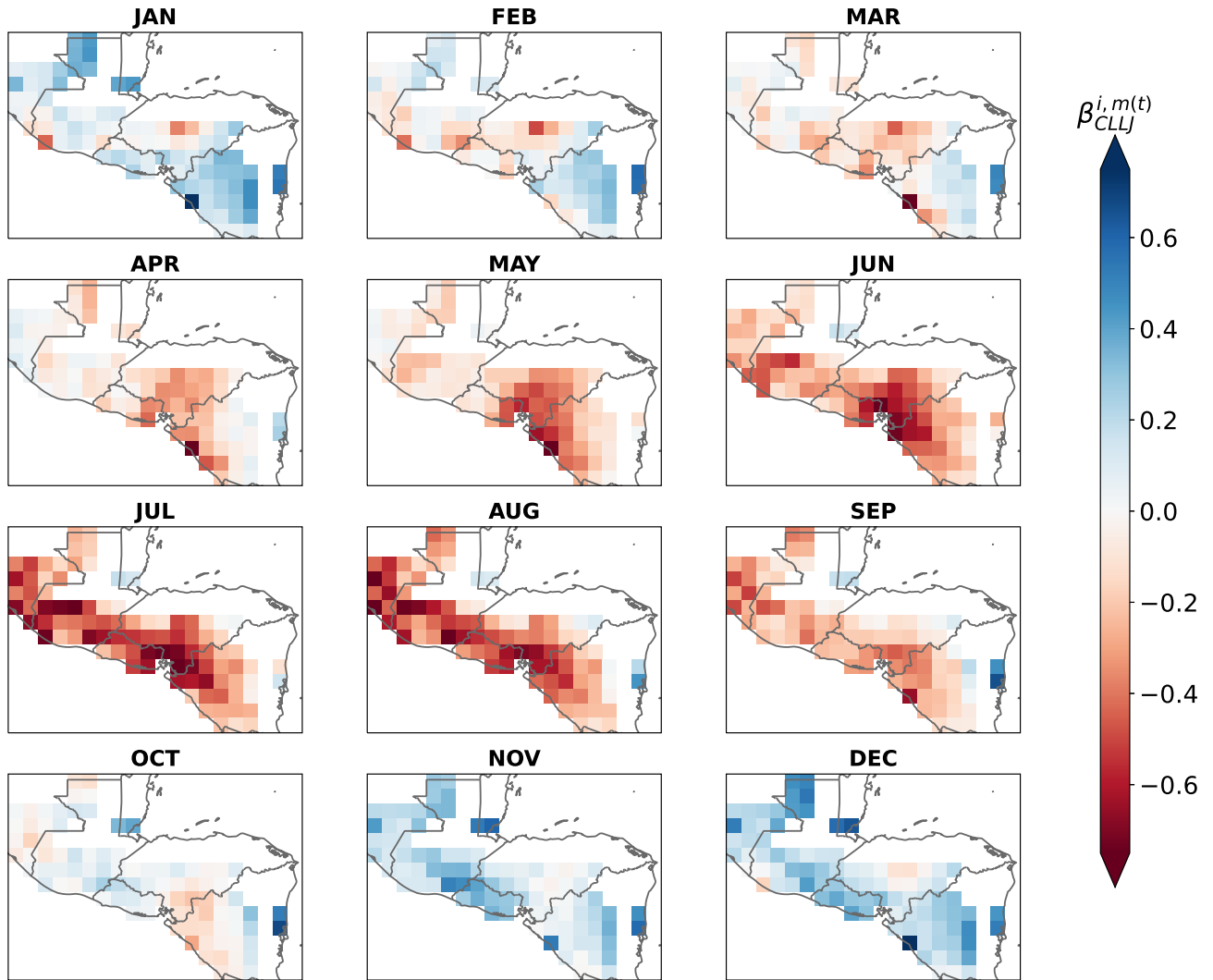


Figure S3. Monthly CLLJ β coefficients for the prec-synth-OLE.

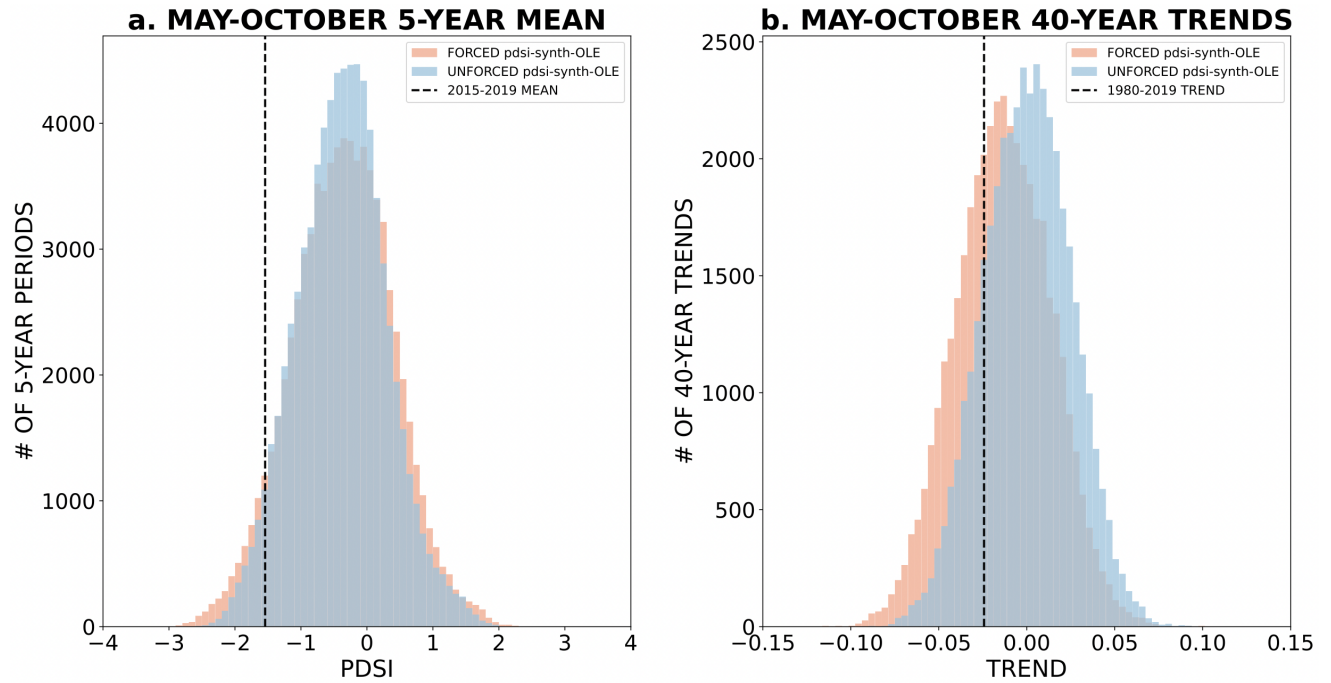


Figure S4. (a) Distribution of all regional 5-year May-October PDSI anomalies from the forced and unforced pdsi-synth-OLE, and the observed 2015-2019 May-October PDSI anomaly. (b) Distribution of all regional 40-year May-October PDSI trends from the forced and unforced pdsi-synth-OLE, and the 1980-2019 observed May-October PDSI trend.