Supplementary Materials for:

**Global evaluation of seasonal precipitation and temperature forecasts from NMME**

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Figure S1: KGE statistics of precipitation and temperature forecasts for different models (y-axis) across different regions (x-axis).
Figure S2: Correlation coefficient of precipitation and temperature forecasts for different lead times.
Figure S3: Bias error of precipitation and temperature forecasts for different lead times.
Figure S4: Variability error of precipitation and temperature forecasts for different lead times.
Figure S5: Seasonal breakdown of the KGE score for precipitation.
**Figure S6**: Seasonal breakdown of the KGE score for temperature.
Figure S7: Comparison of the KGE statistic calculated in different ways. This figure shows the results for precipitation. Similar results were found in case of temperature as well (not included here). The models are numbered in the following way: CMC1-CanCM3 [1], CMC2-CanCM4 [2], COLA-RSMAS-CCSM3 [3], COLA-RSMAS-CCSM4 [4], GFDL-CM2p1 [5], GFDL-CM2p1-aer04 [6], GFDL-CM2p5-FLOR-A06 [7], GFDL-CM2p5-FLOR-B01 [8], IRI-ECHAM4p5-AnomalyCoupled [9], IRI-ECHAM4p5-DirectCoupled [10], NASA-GEOSS2S [11], NASA-GMAO [12], NASA-GMAO-062012 [13], NCAR-CESM1 [14], NCEP-CFSv1 [15], NCEP-CFSv2 [16].
Figure S8: Comparison of the second EOF mode of variability from different models and the reference for both precipitation and temperature.
**Figure S9:** Comparison of the third EOF mode of variability from different models and the reference for both precipitation and temperature.