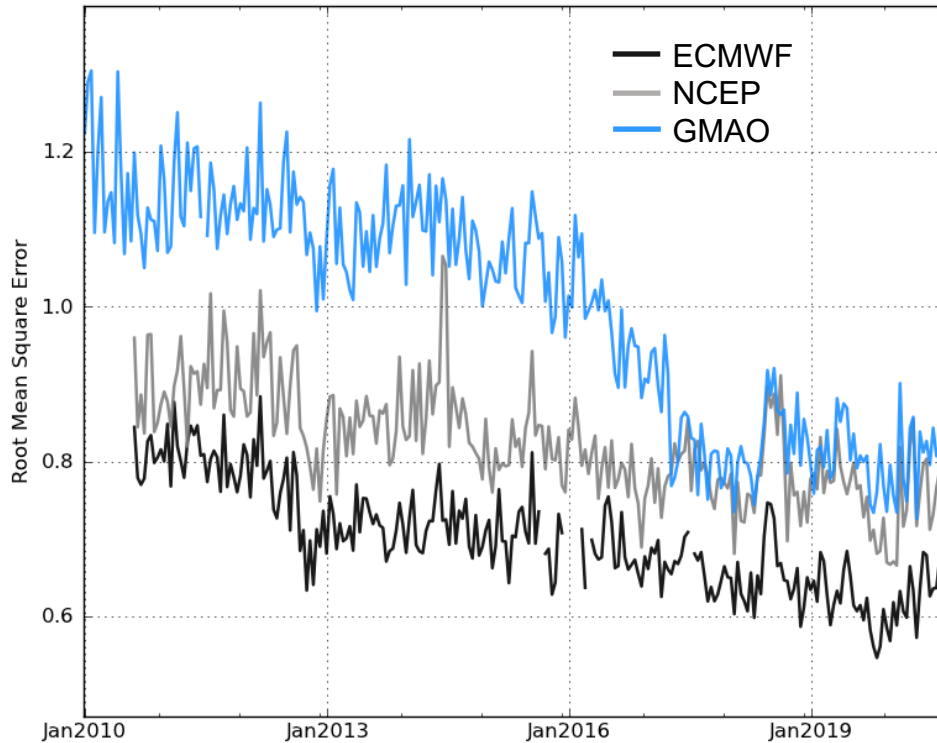
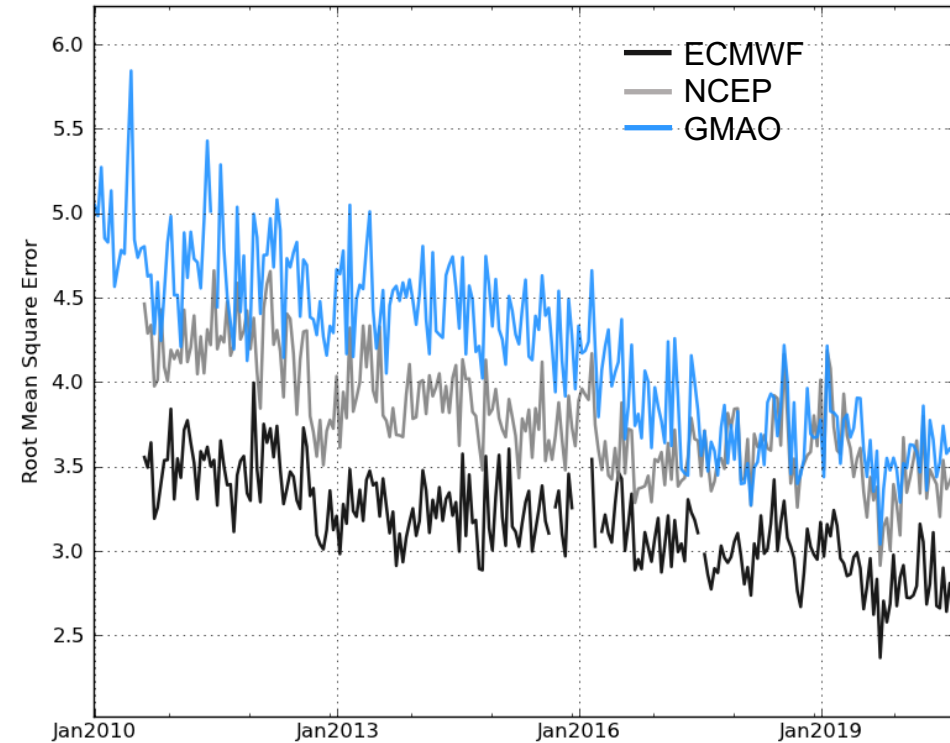


Long-Term Improvements of GEOS-FP Forecast Skill

48-hr Forecast RMSE
Global 700 hPa Temperature



48-hr Forecast RMSE
Global 250 hPa Zonal Wind



The 10-year time series of the root mean square error (RMSE) of 48-hour forecasts, sampled regularly, and self-verified of global temperature at 700 hPa (left) and global zonal wind at 250 hPa (right) are shown. The GEOS-FP in blue is compared with NCEP and ECMWF operational products (gray and black, respectively).