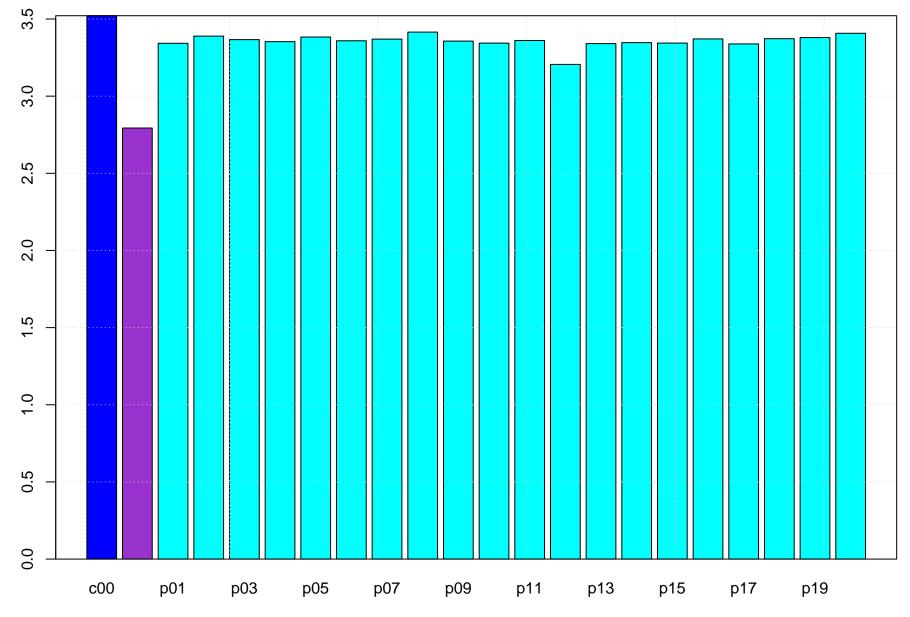
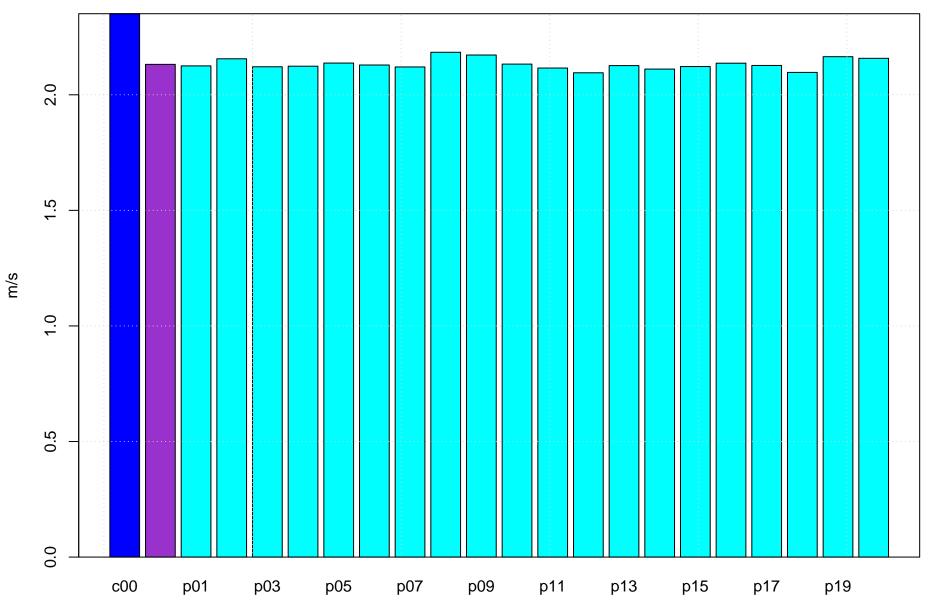
Mean vector surface wind error KSBO



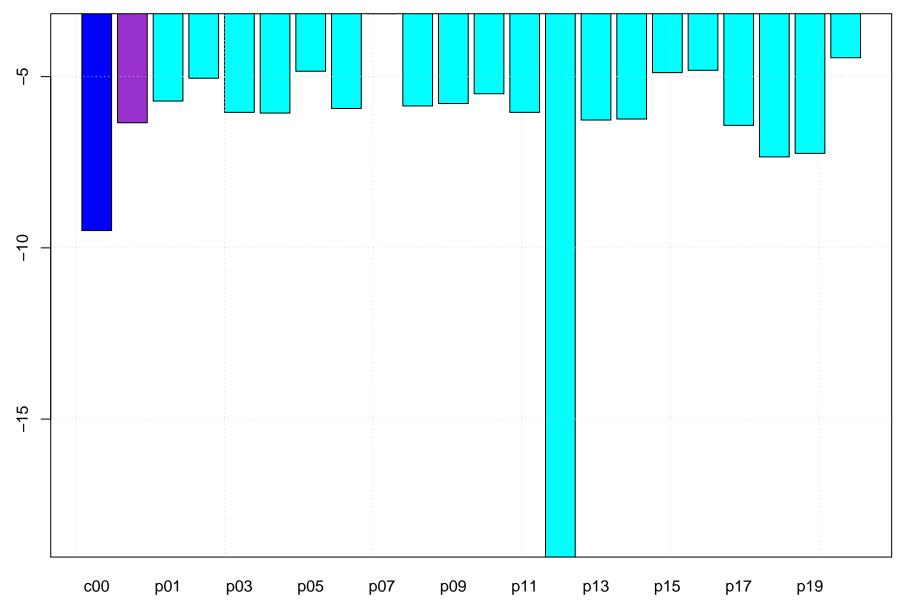
GFS Ensemble Member

m/s

Surface wind speed bias KSBO

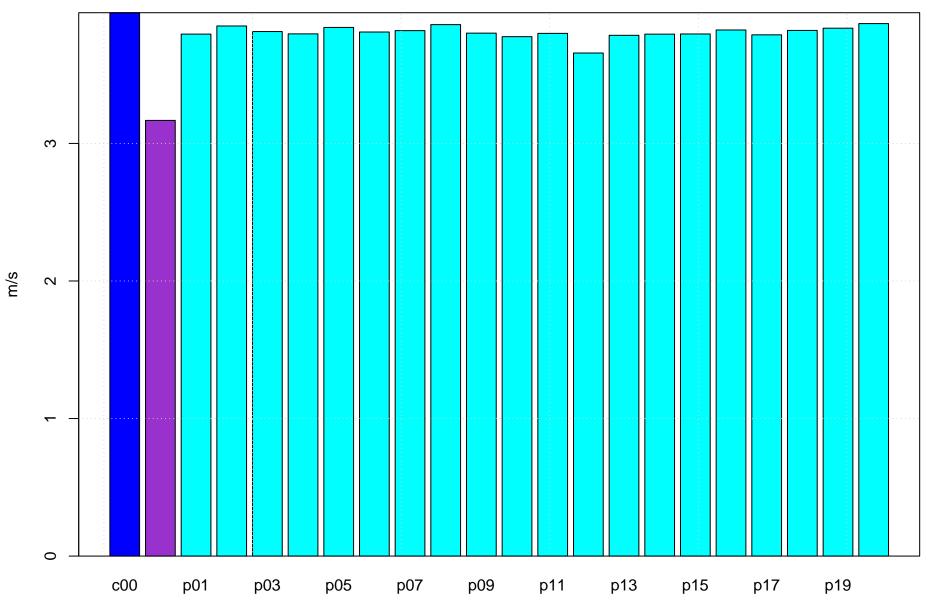


Surface direction bias KSBO

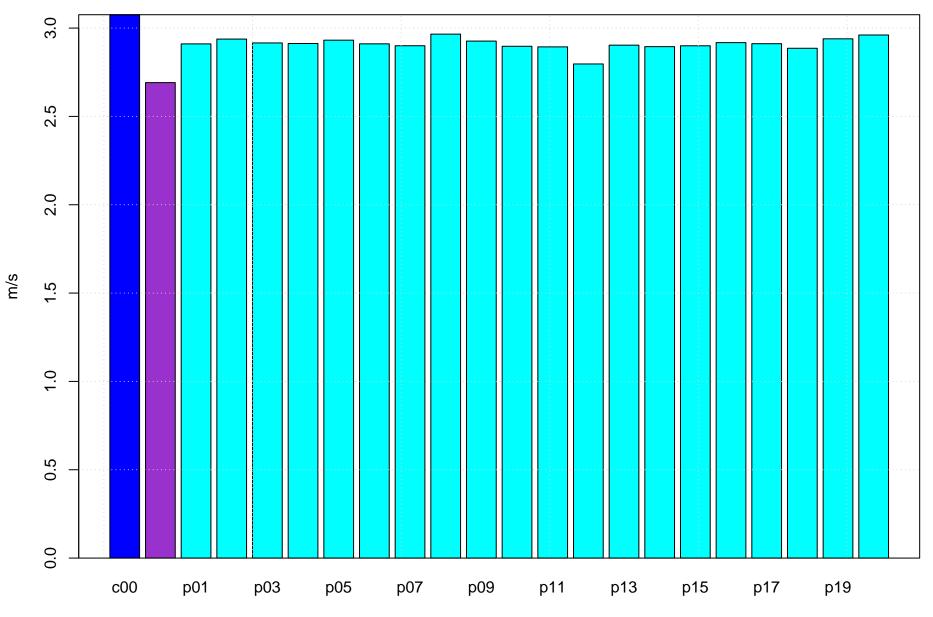


GFS Ensemble Member

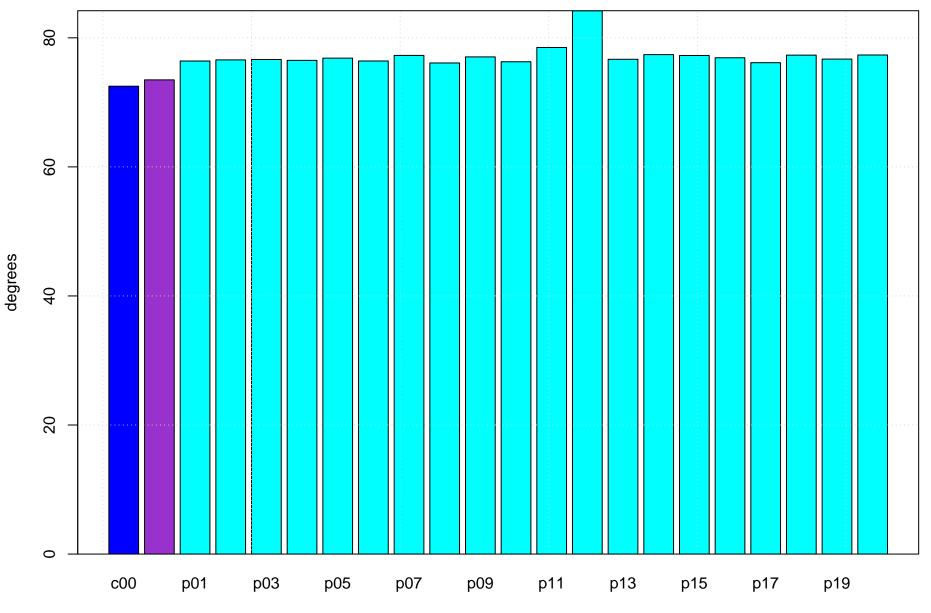
Surface vector wind vector RMSE KSBO



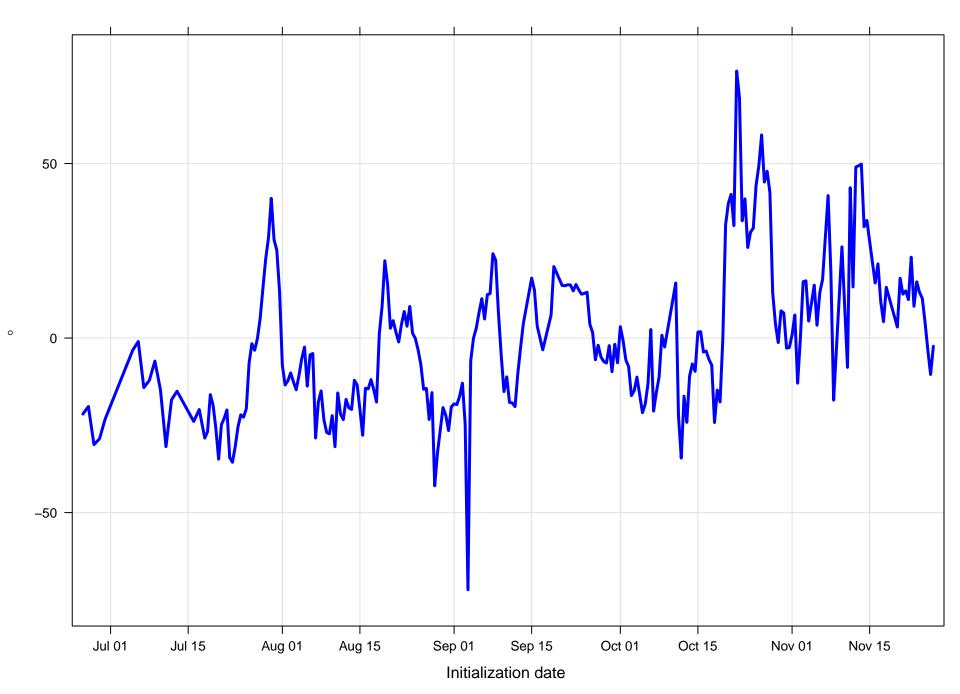
Surface wind speed RMSE KSBO



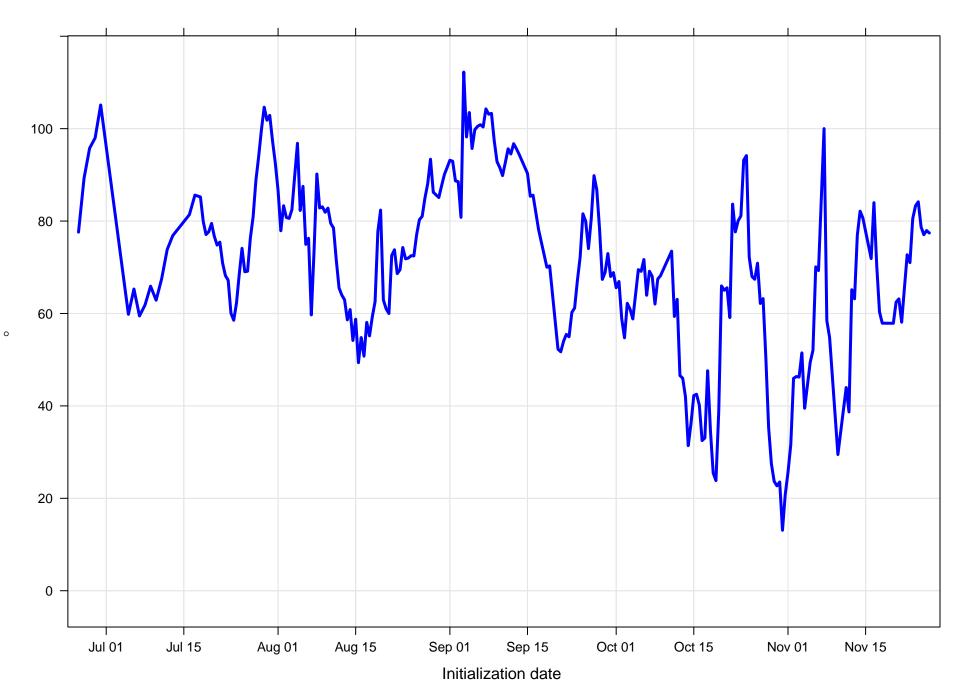
Surface direction RMSE KSBO



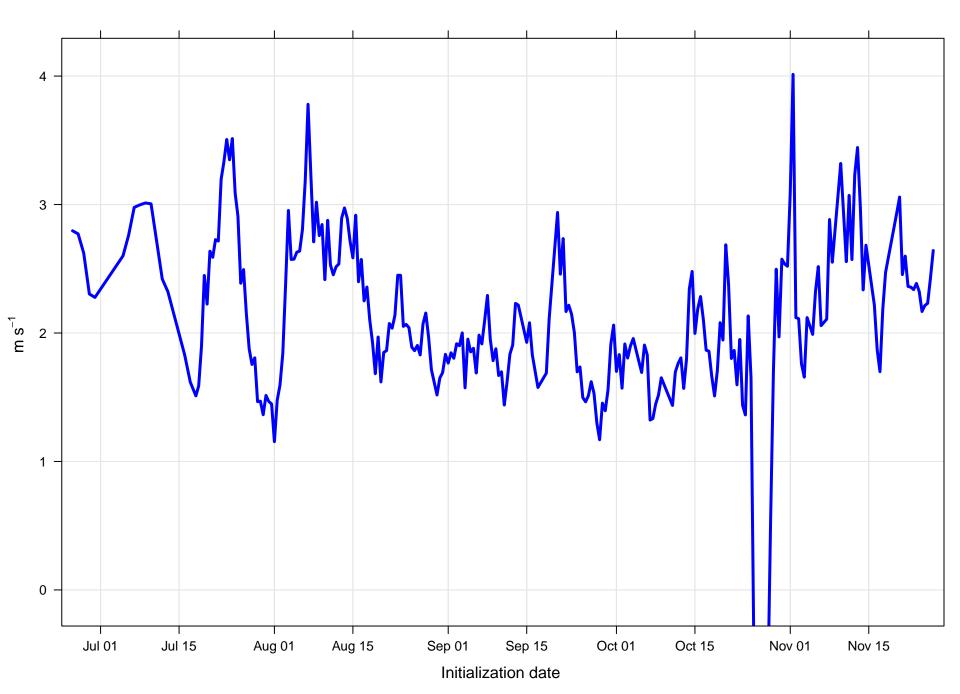
Surface wind direction bias at KSBO all forecast hours and members



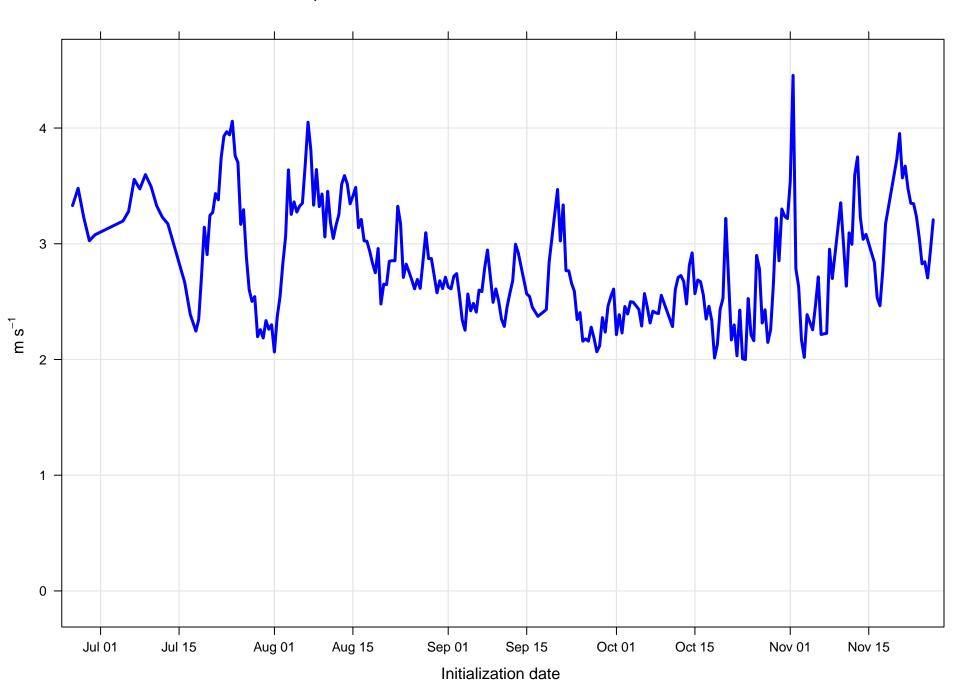
Surface wind direction RMSE at KSBO all forecast hours and members



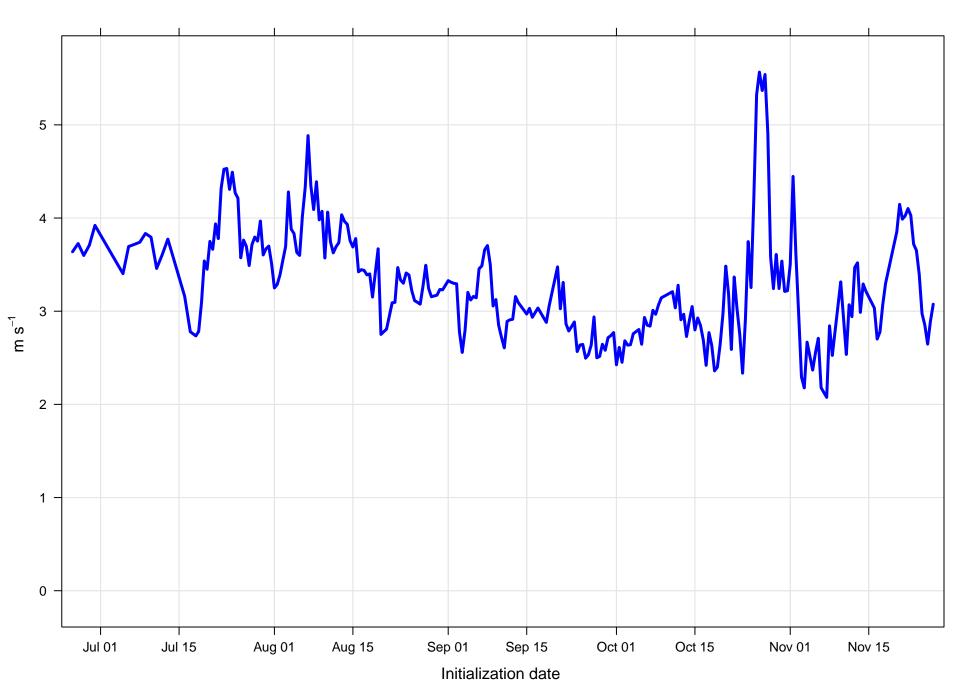
Surface wind speed bias at KSBO all forecast hours and members



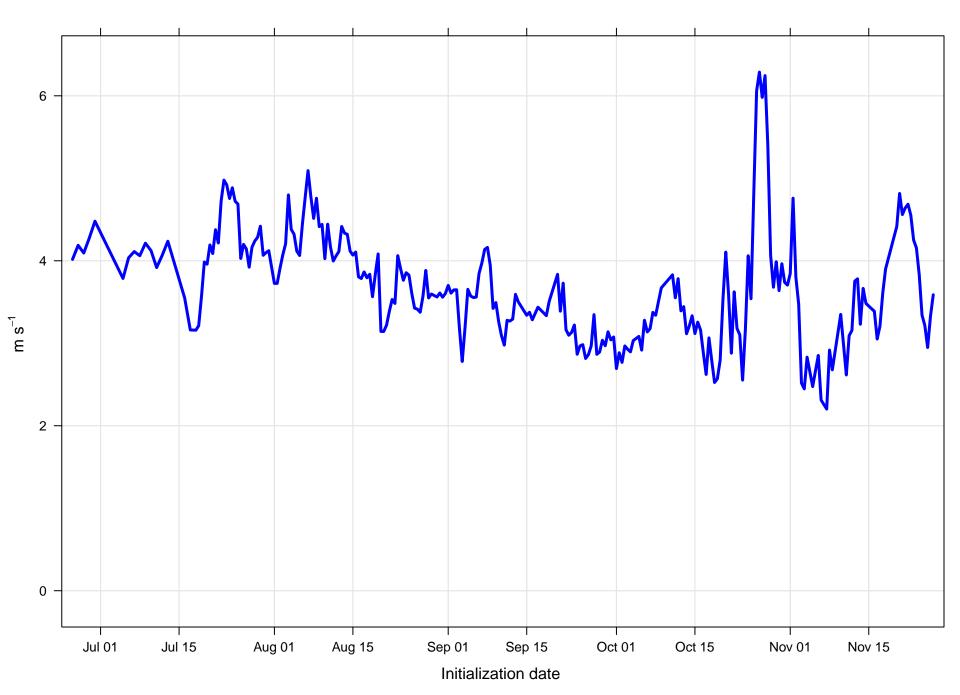
Surface wind speed RMSE at KSBO all forecast hours and members



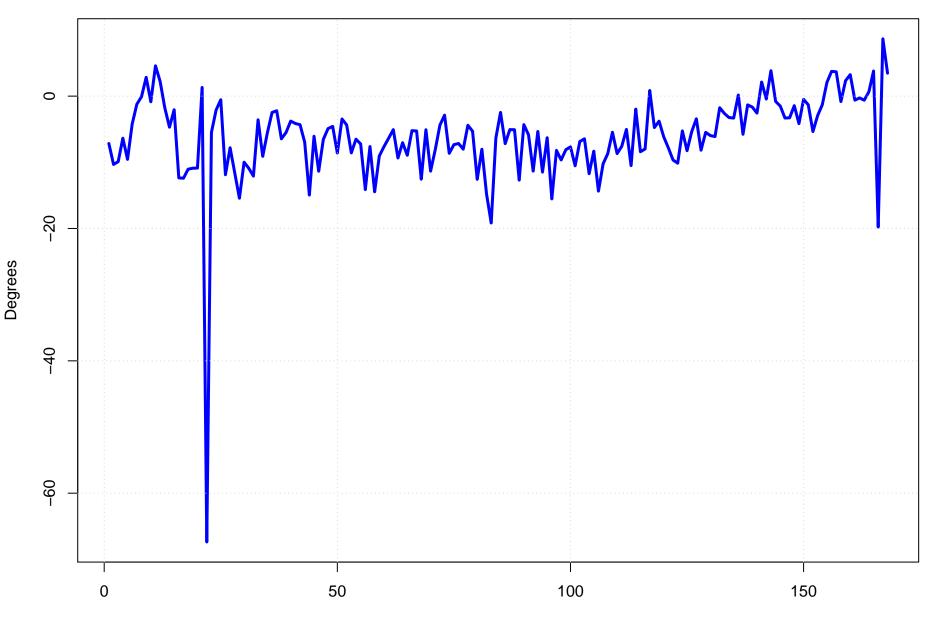
Surface vector wind mean error KSBO all forecast hours and members



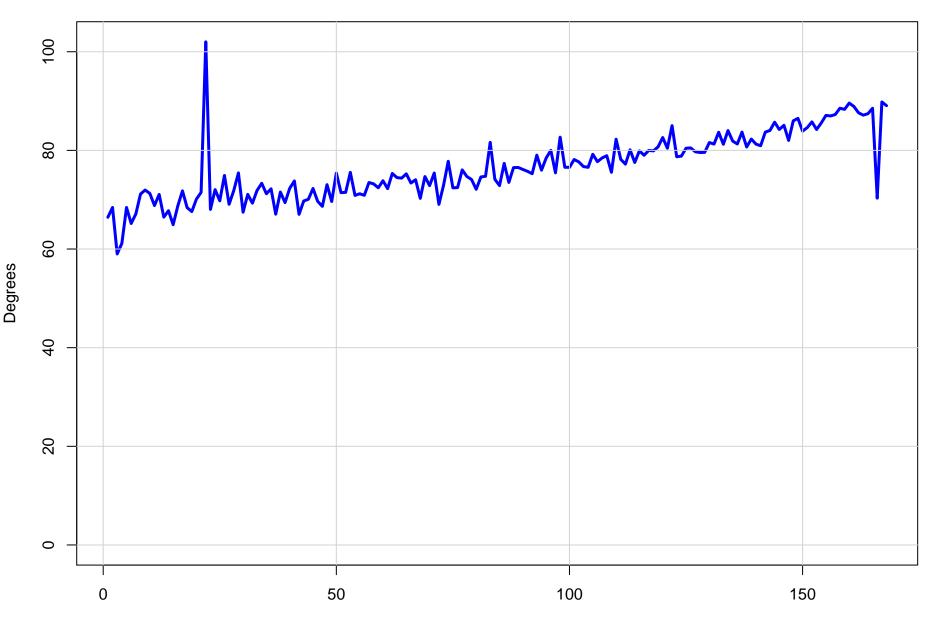
Surface vector wind RMSE at KSBO all forecast hours and members

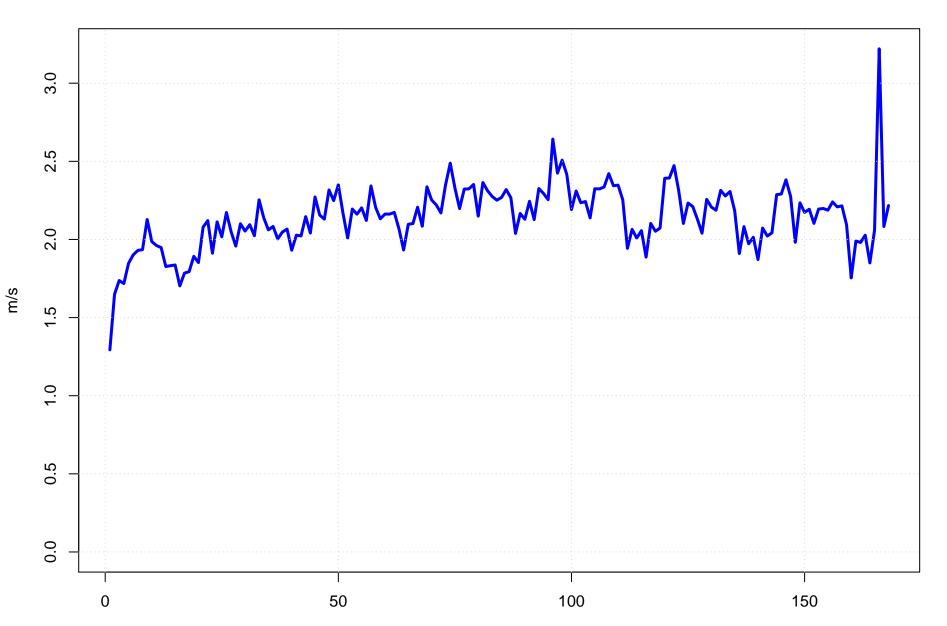


Surface wind direction bias at KSBO by forecast hour

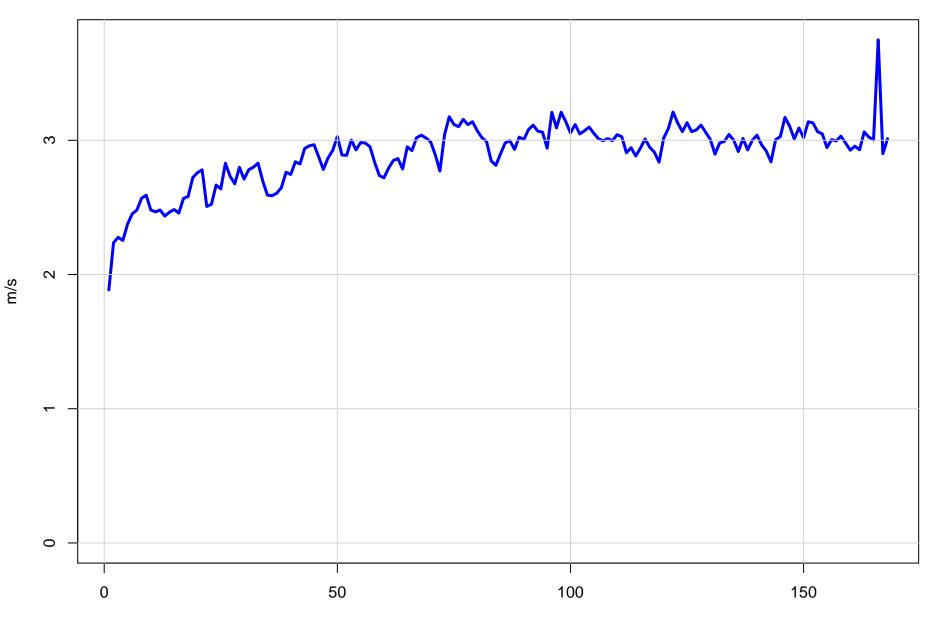


Surface wind direction RMSE at KSBO by forecast hour

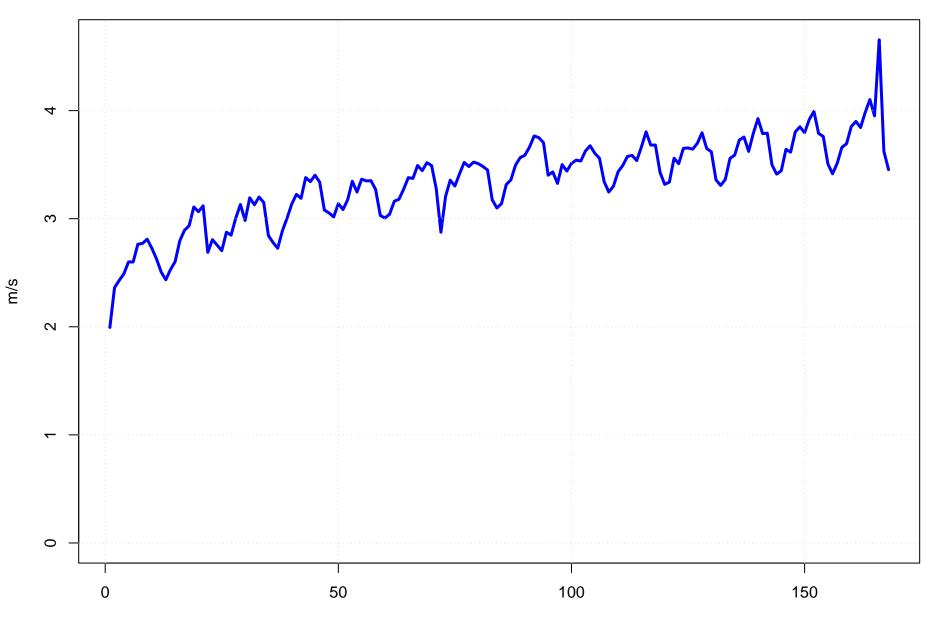




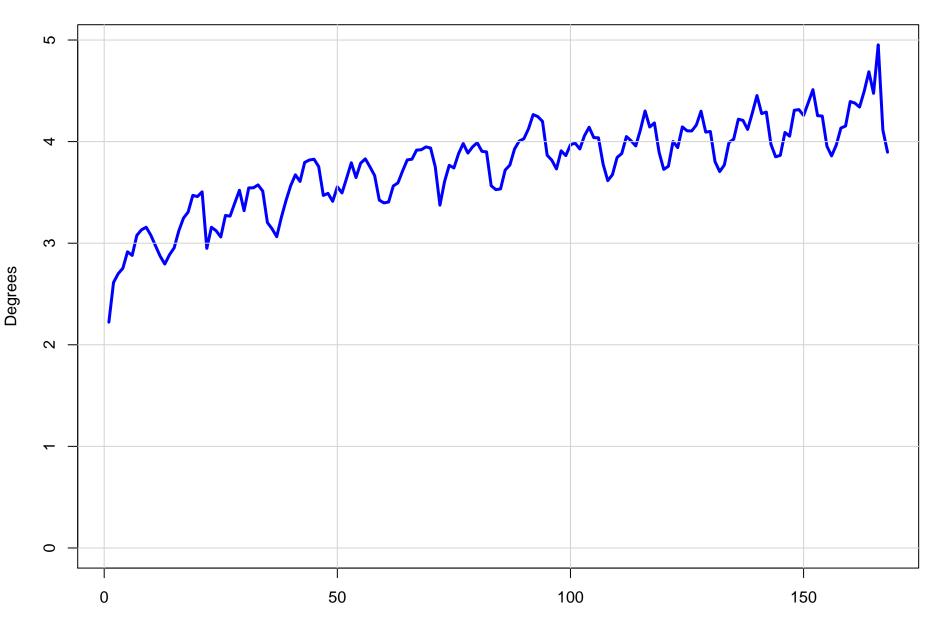
Surface wind speed bias at KSBO by forecast hour



Surfce vector wind error at KSBO by forecast hour

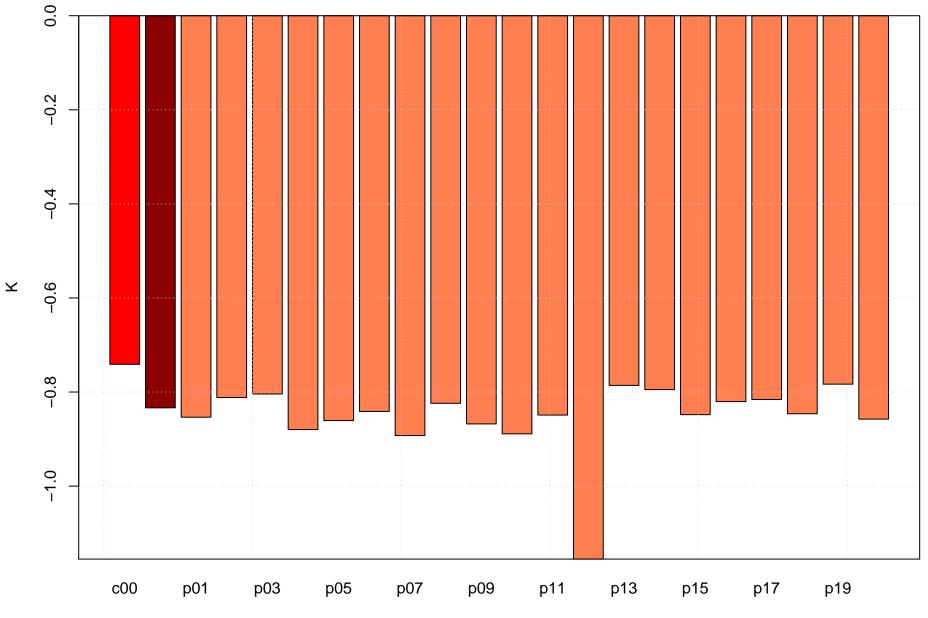


Surface vector wind RMSE at KSBO by forecast hour

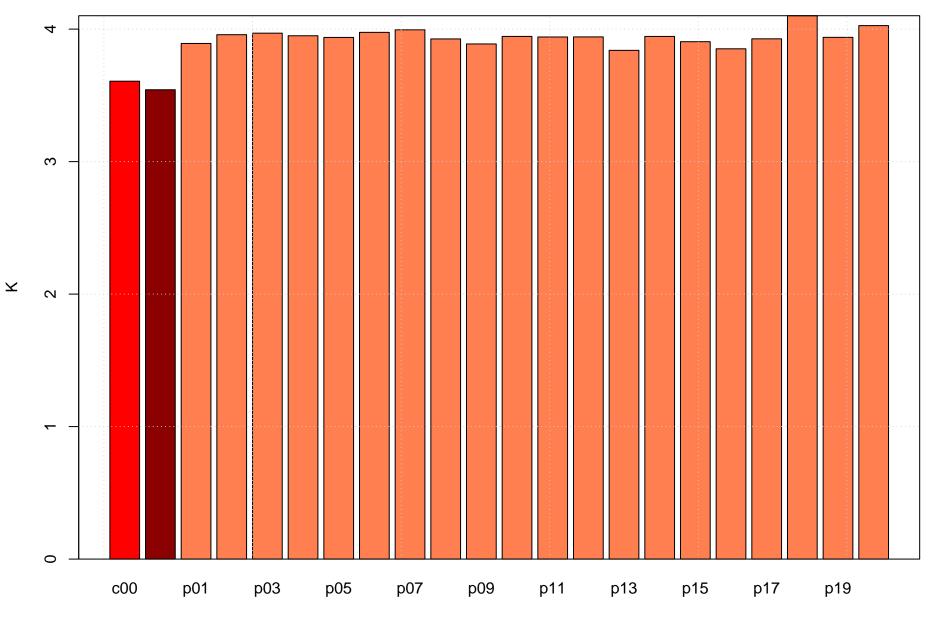


Forecast hour

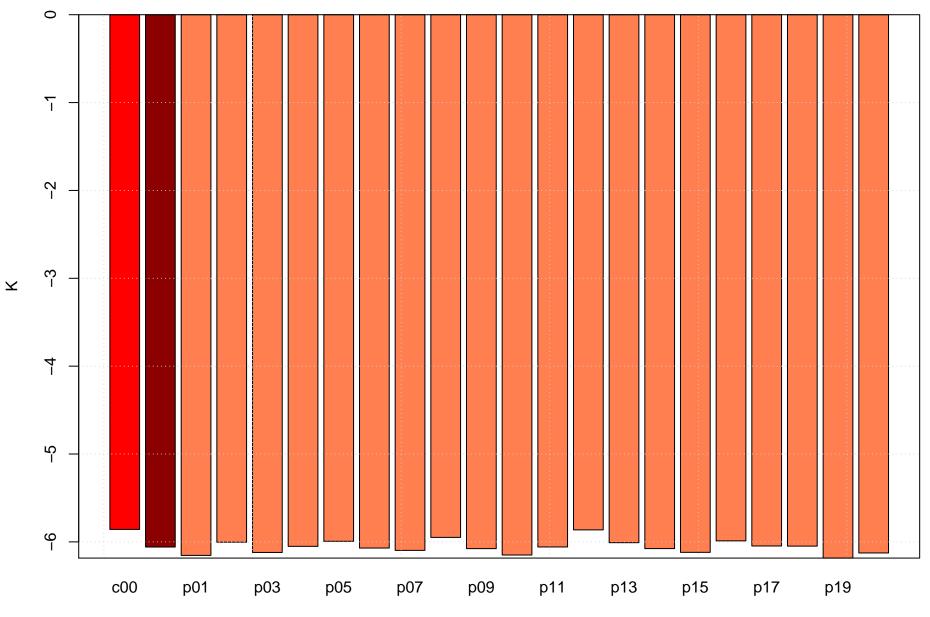
Surface temperature bias at KSBO



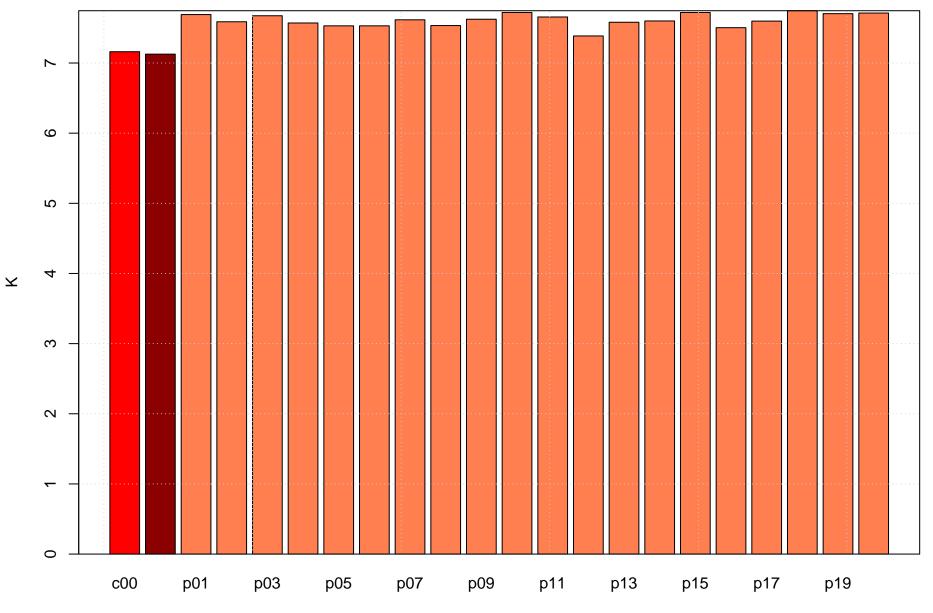
Surface temperature RMSE at KSBO



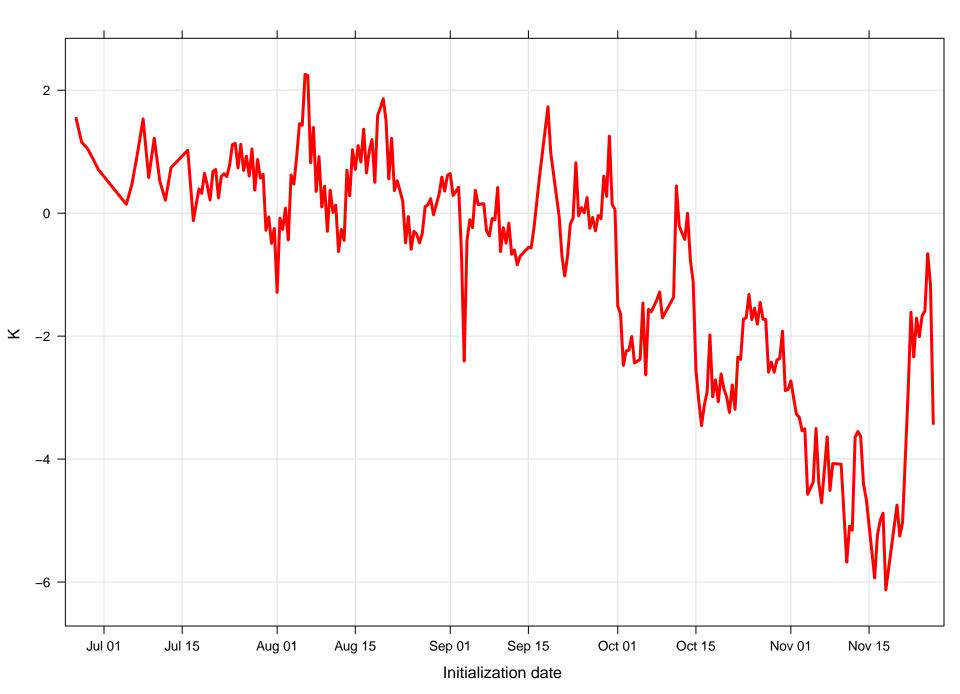
Surface dew point bias at KSBO



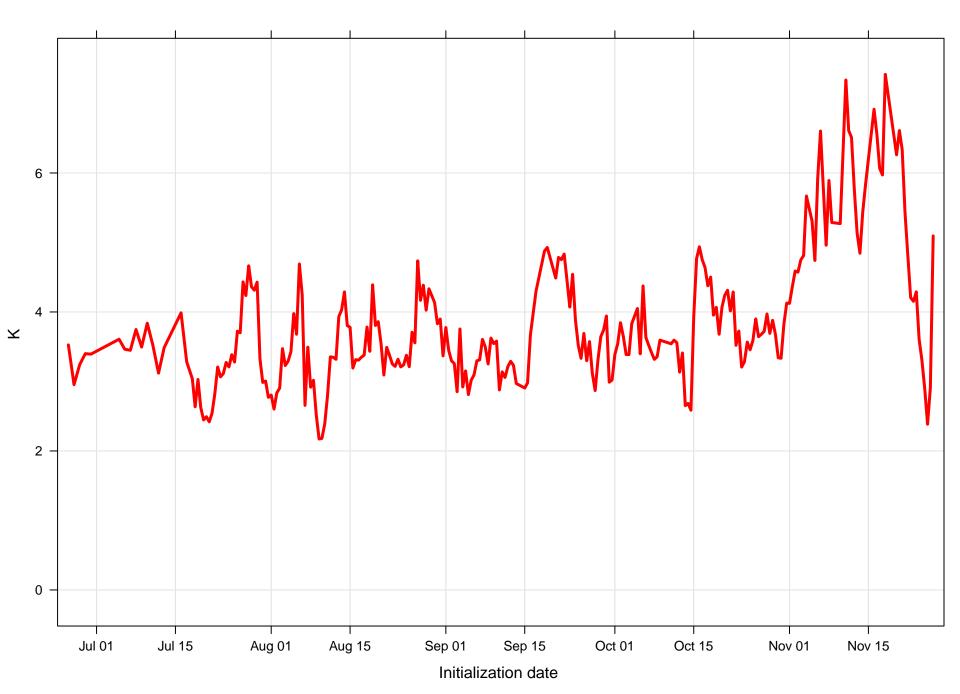
Surface dew point RMSE at KSBO



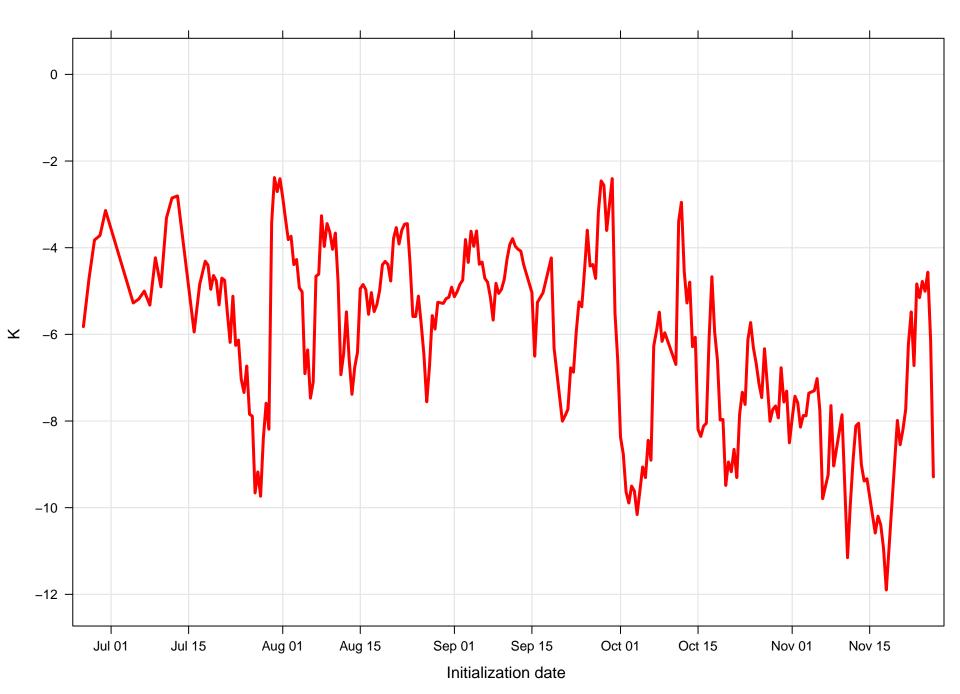
Surface temperature bias at KSBO all forecast hours and members



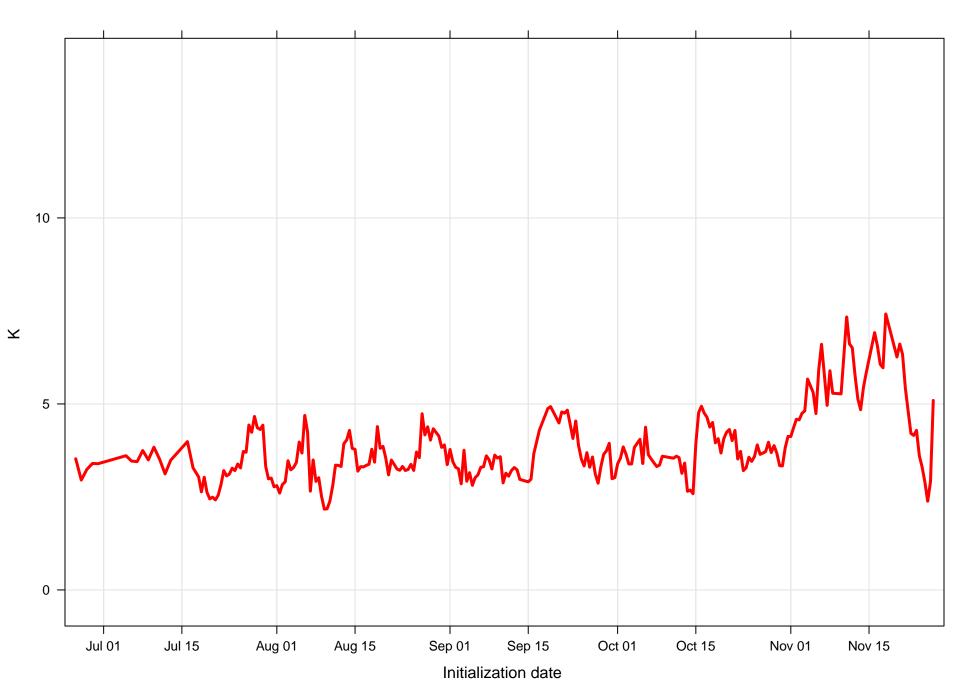
Surface temperature RMSE at KSBO all forecast hours and members



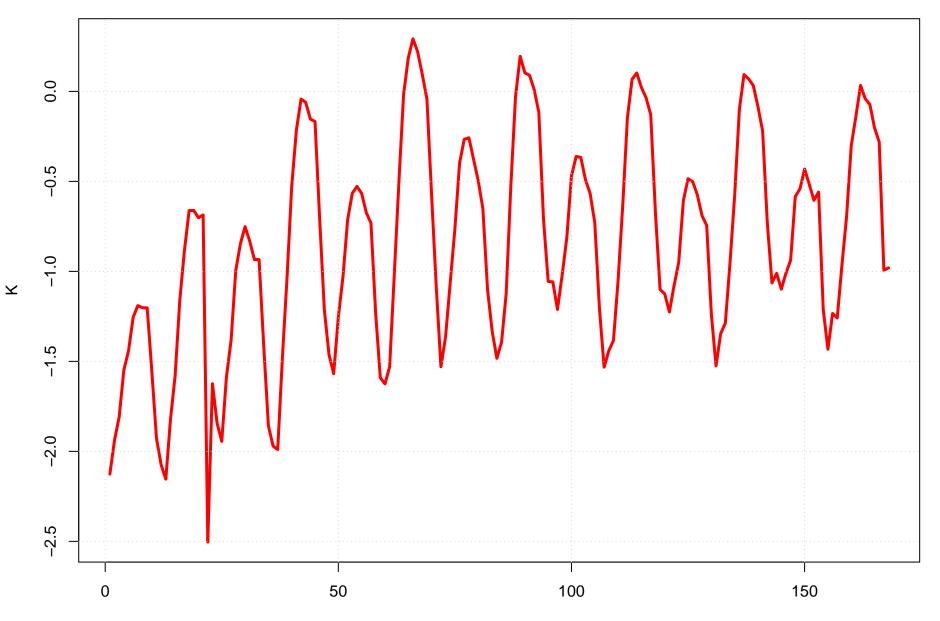
Surface dew point bias at KSBO all forecast hours and members

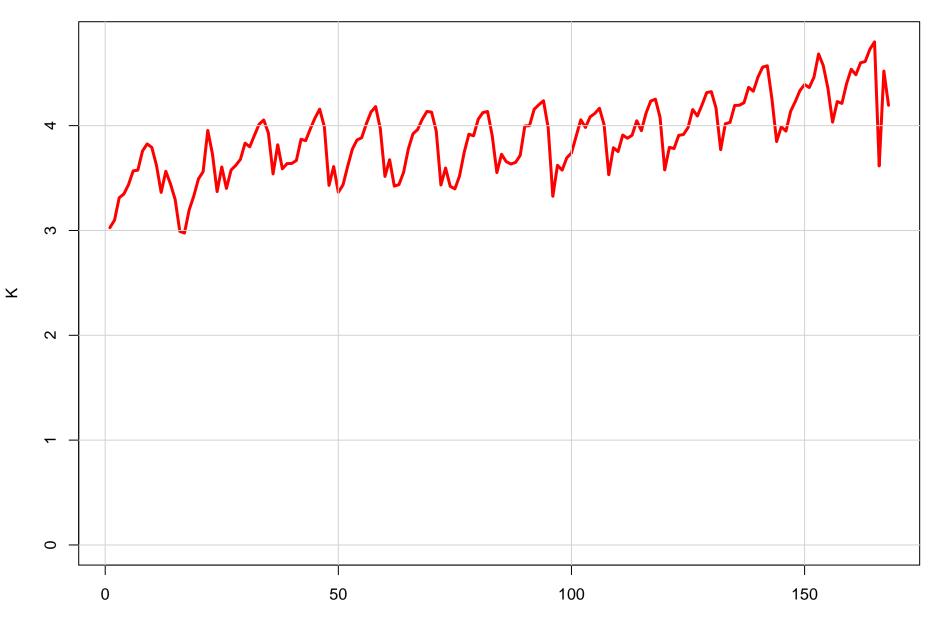


Surface dew point RMSE at KSBO all forecast hours and members

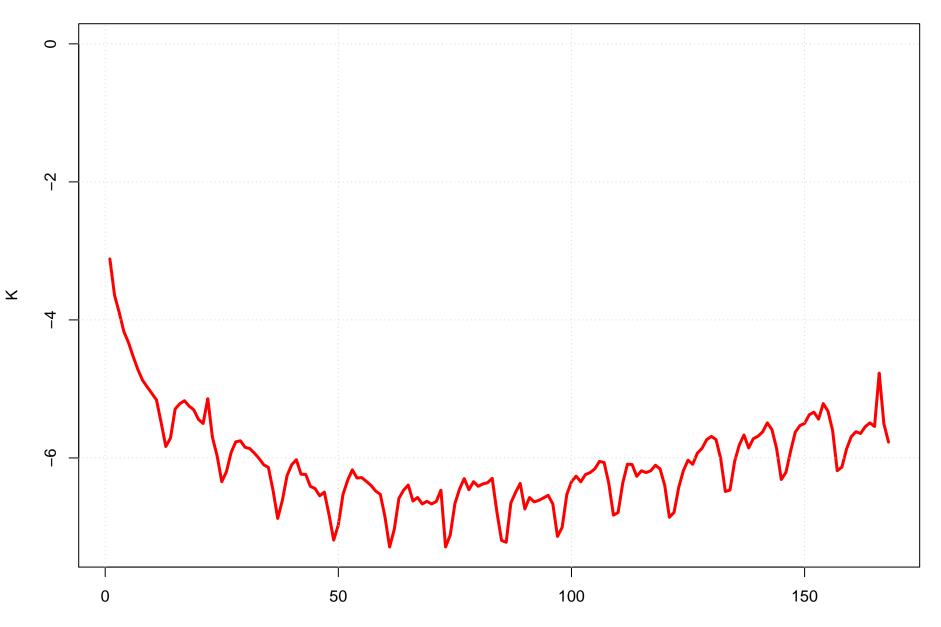


Surface temperature bias at KSBO by forecast hour





Surface dew point bias at KSBO by forecast hour



Forecast hour

Surface dew point RMSE at KSBO by forecast hour

