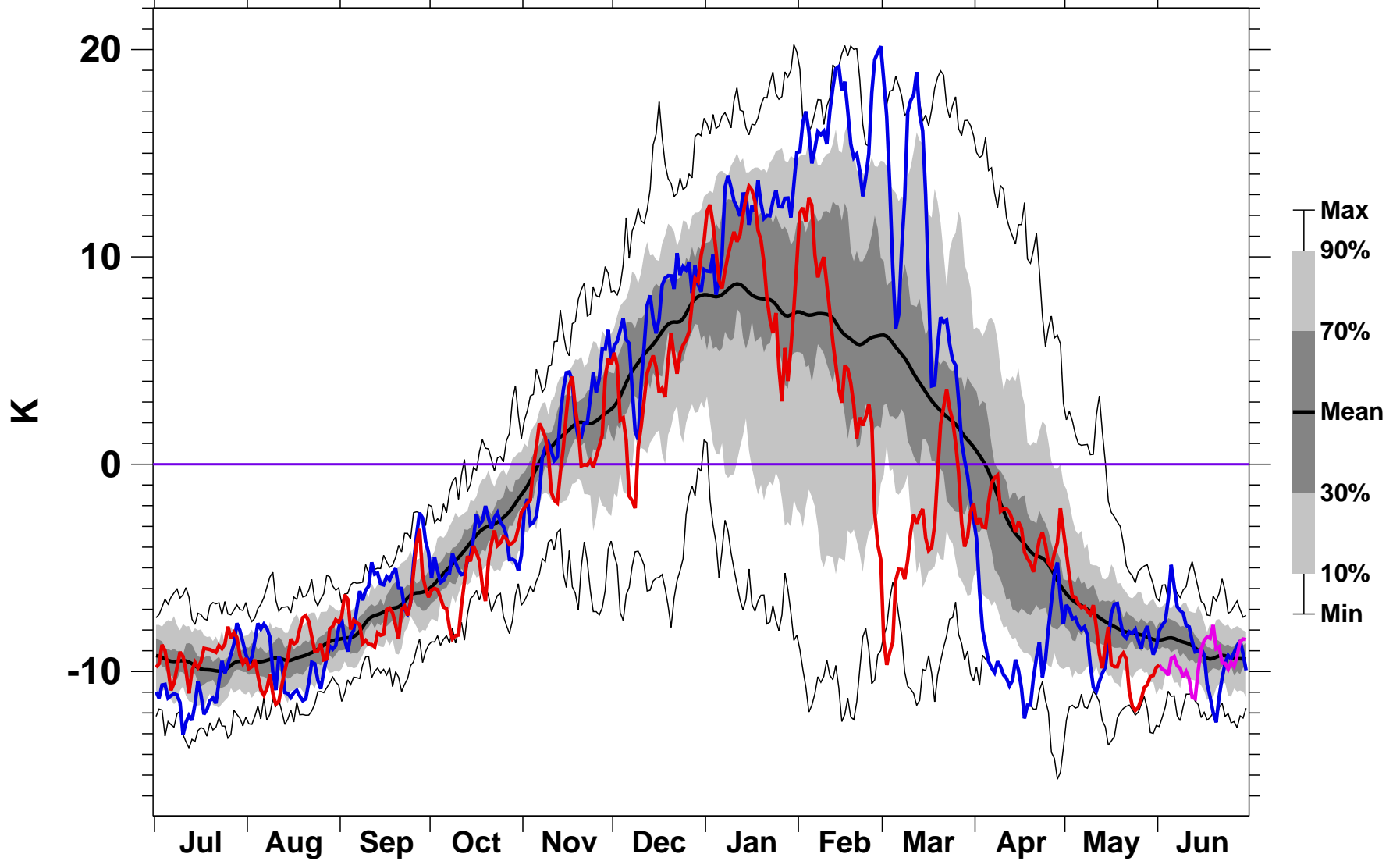


50-80°N Zonal Mean Temperature Gradient

$\text{HNO}_3 = 6 \text{ ppbv}$, $\text{H}_2\text{O} = 4.5 \text{ ppmv}$

150 hPa MERRA2



1978/1979–2021/2022

2021/2022

2022/2023

GEOS FP