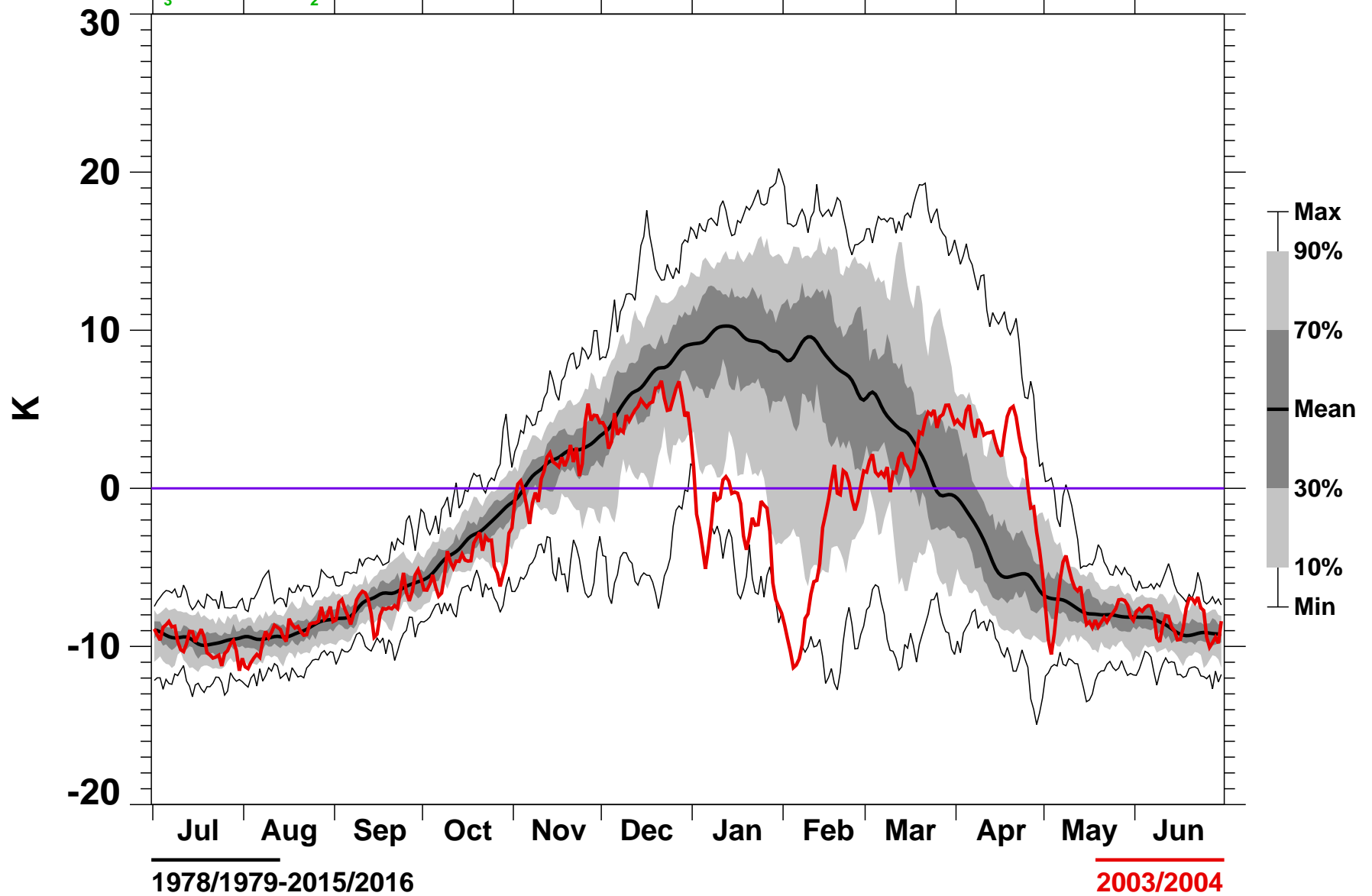


50-80°N Zonal Mean Temperature Gradient

150 hPa MERRA

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



1978/1979-2015/2016

2003/2004

2016-07-07T14:12:27Z