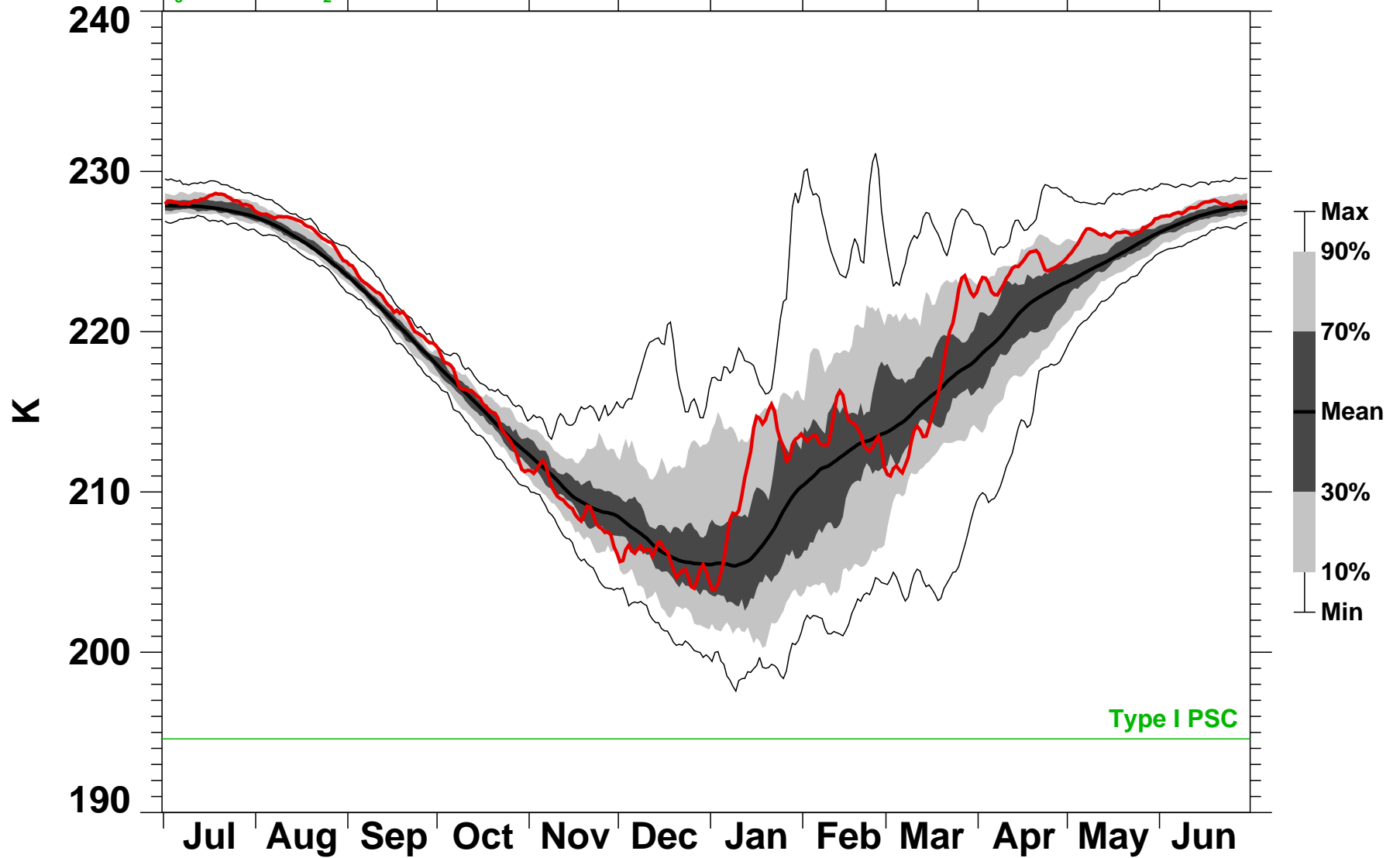


# 60-90°N Zonal Mean Temperature 50 hPa MERRA

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



1978/1979-2012/2013

1991/1992