on regional scales, periodicity most apparent at rate between phase speed of wave and its group velocity
Some open questions…

How does the SH atmosphere link Antarctica to the global circulation? (Dargan)

To what extent does natural variability mask SH climate trends (Lorenzo)?
Response of dry dynamical core to tropical heating

Temperature (left) and zonal wind (right)

(Butler, Thompson, Birner 2011)
Why the trend in the SAM matters

Signature of the SAM

Thompson and Solomon 2002


(Steig et al. 2009)
Influence of atmospheric cloud radiative effects on the timescales of extratropical variability

Li, Thompson, Huang 2016