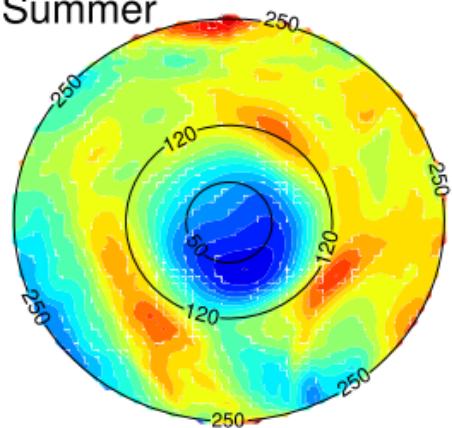
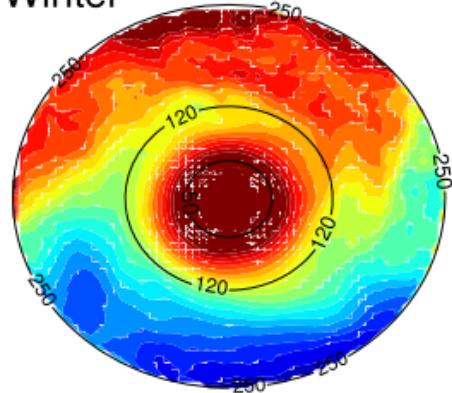


**(a)  $[\text{CHL}]_{\text{tot}}$  anomaly**

Summer

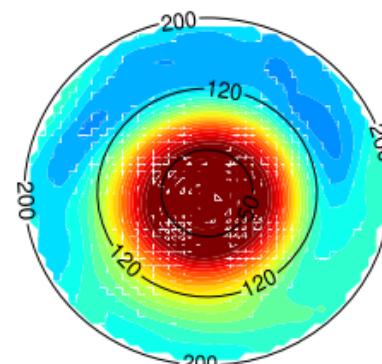


Winter



**(b) EOF decomposition of the  $[\text{CHL}]_{\text{tot}}$  anomaly**

Spatial pattern



**EOF 1 + 2 = 50.1%**

Magnitude (%)

