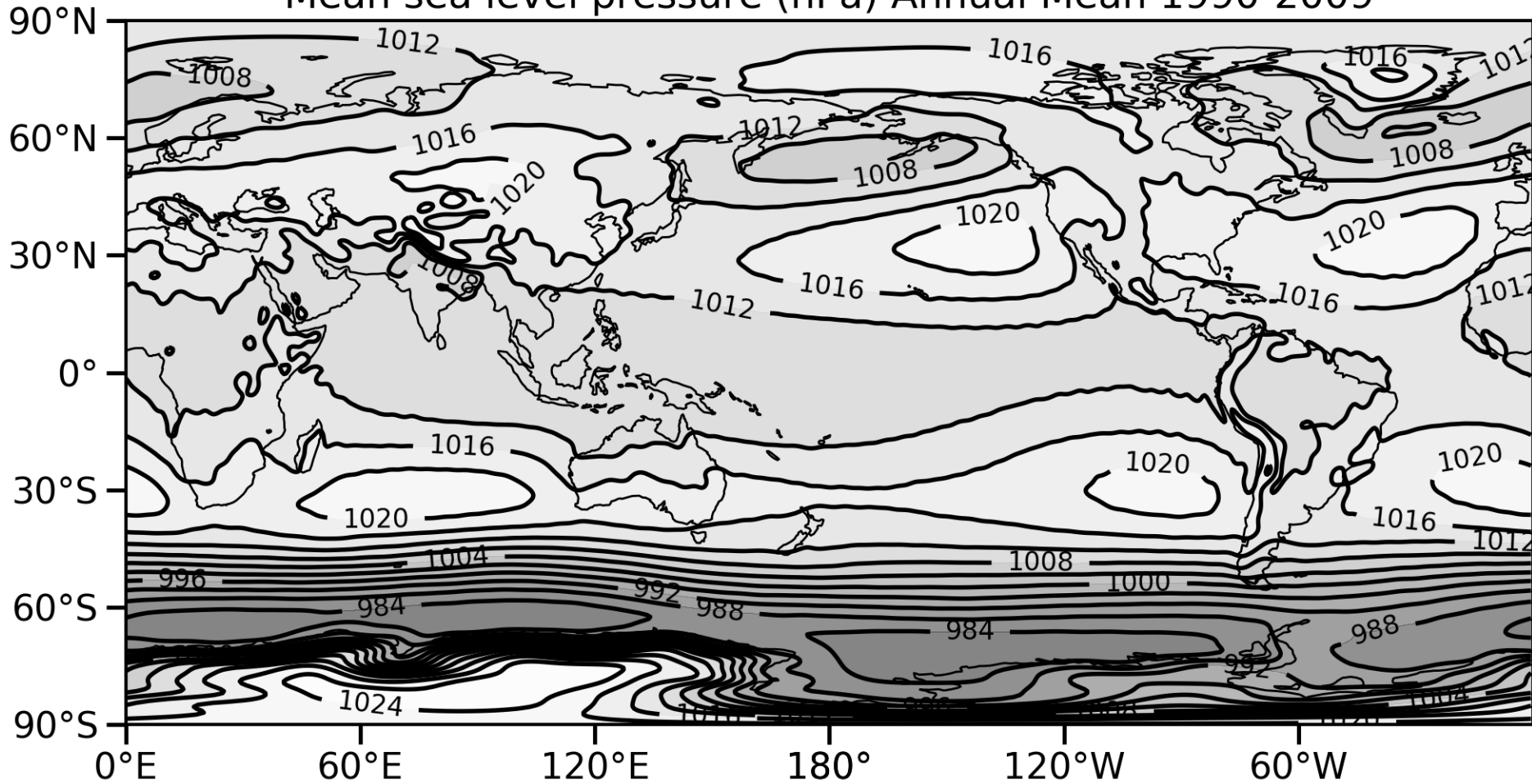


ATM 622

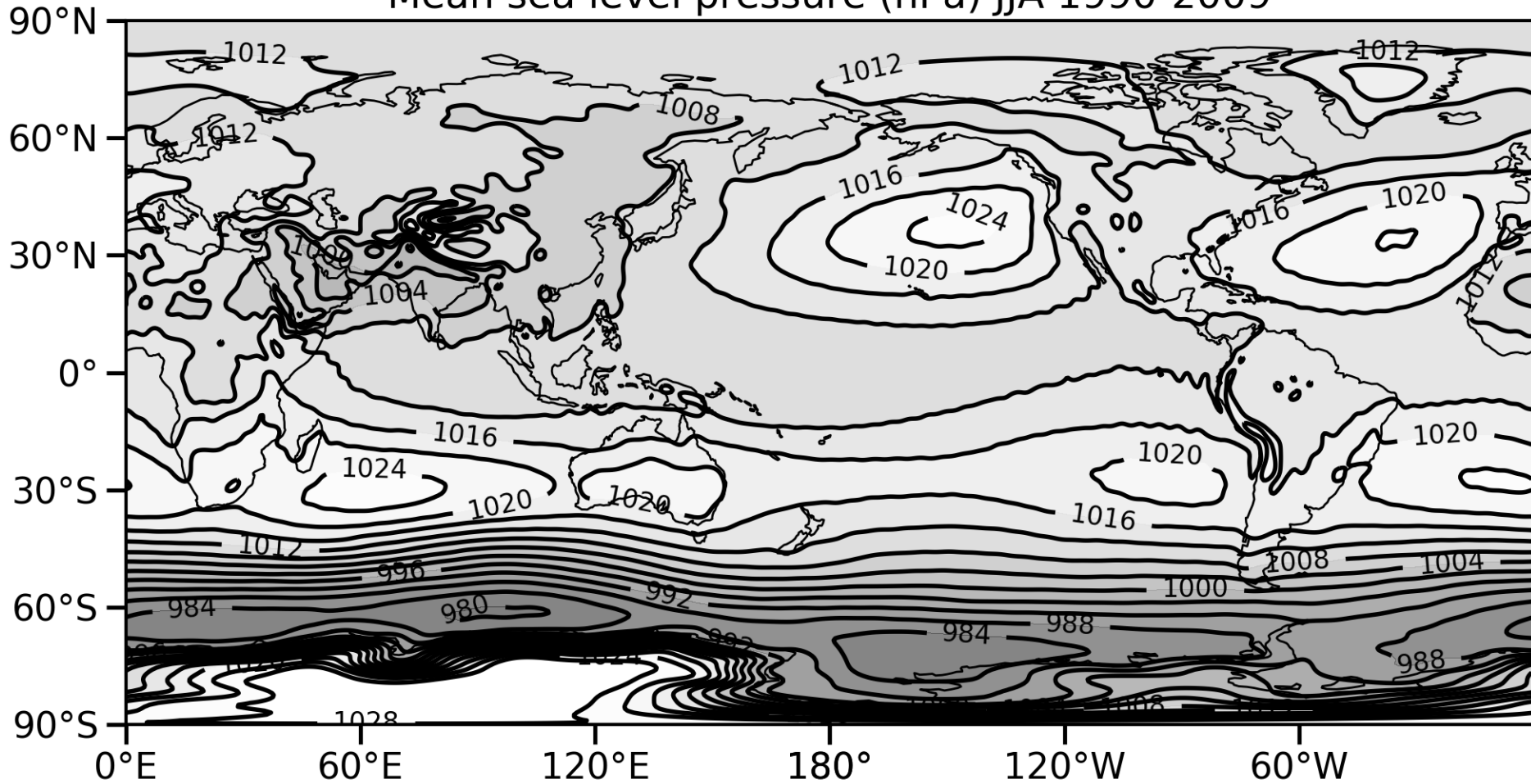
General Circulation

2. Observed Circulation

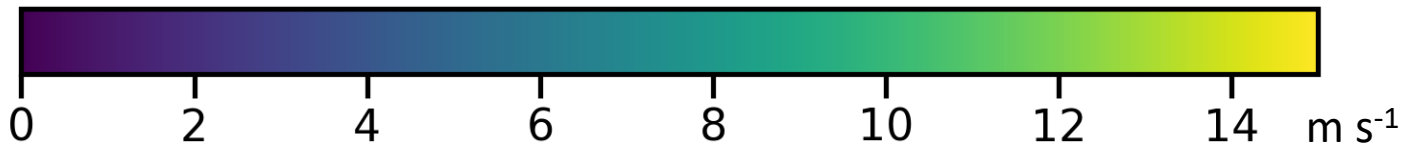
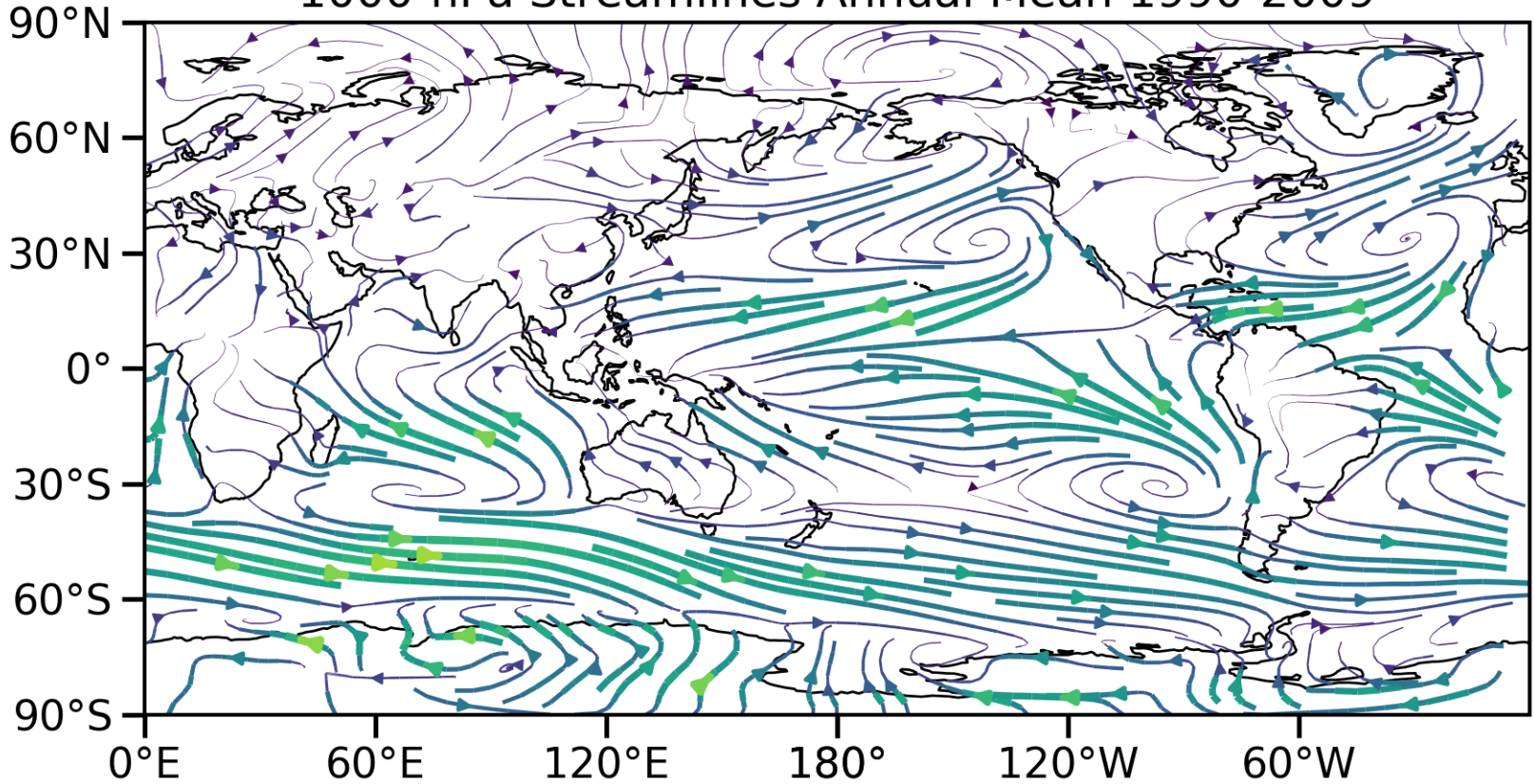
Mean sea level pressure (hPa) Annual Mean 1990-2009



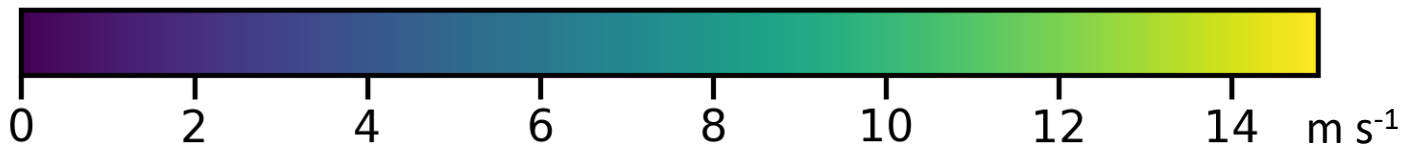
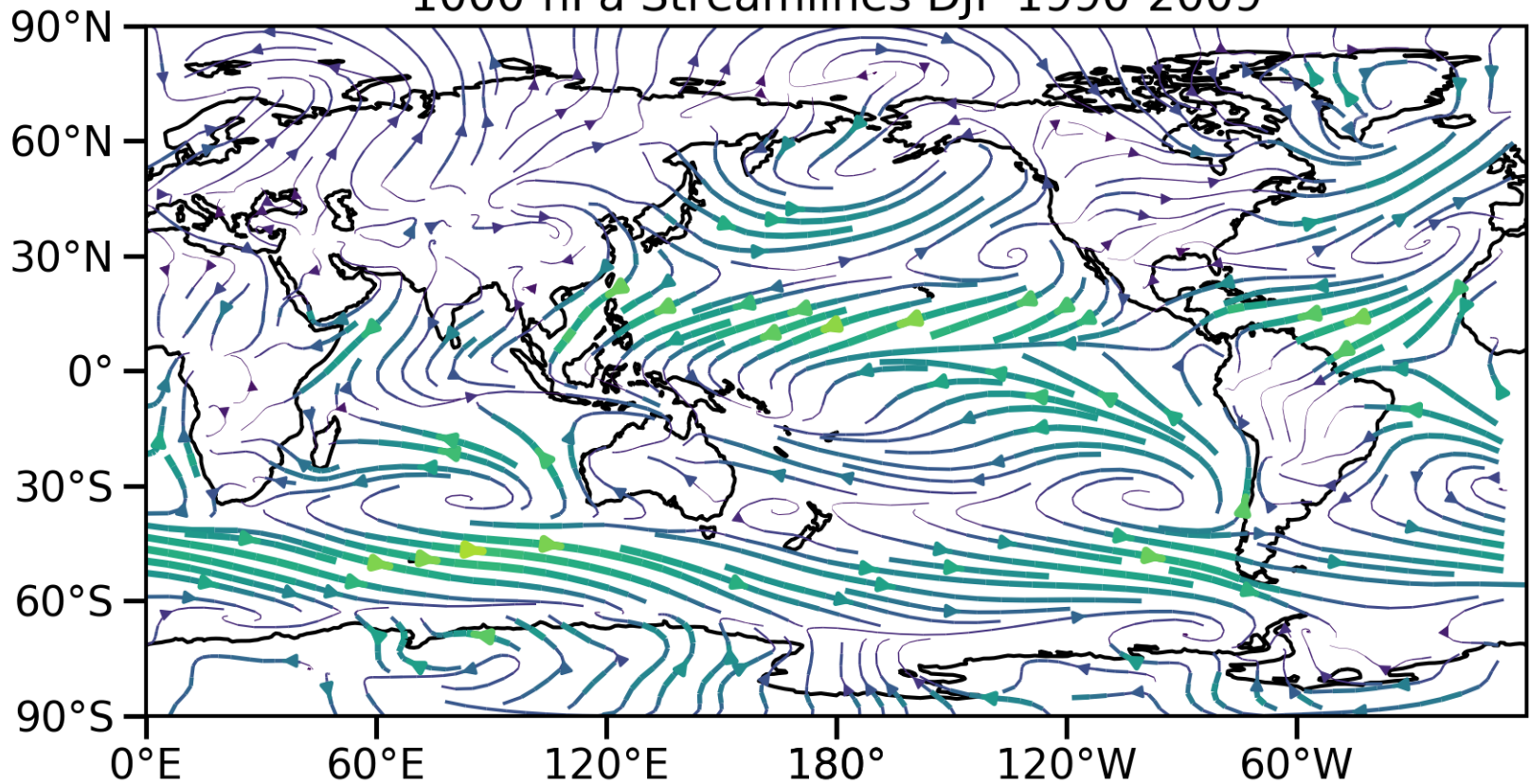
Mean sea level pressure (hPa) JJA 1990-2009



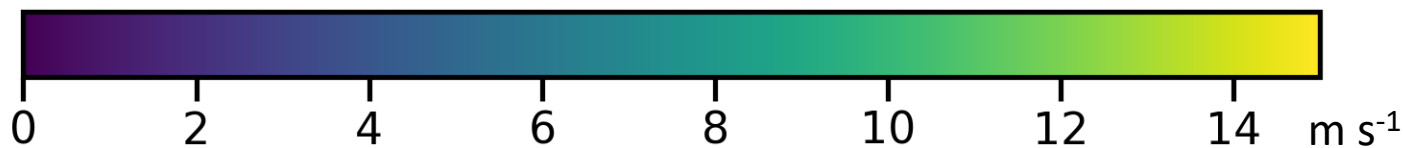
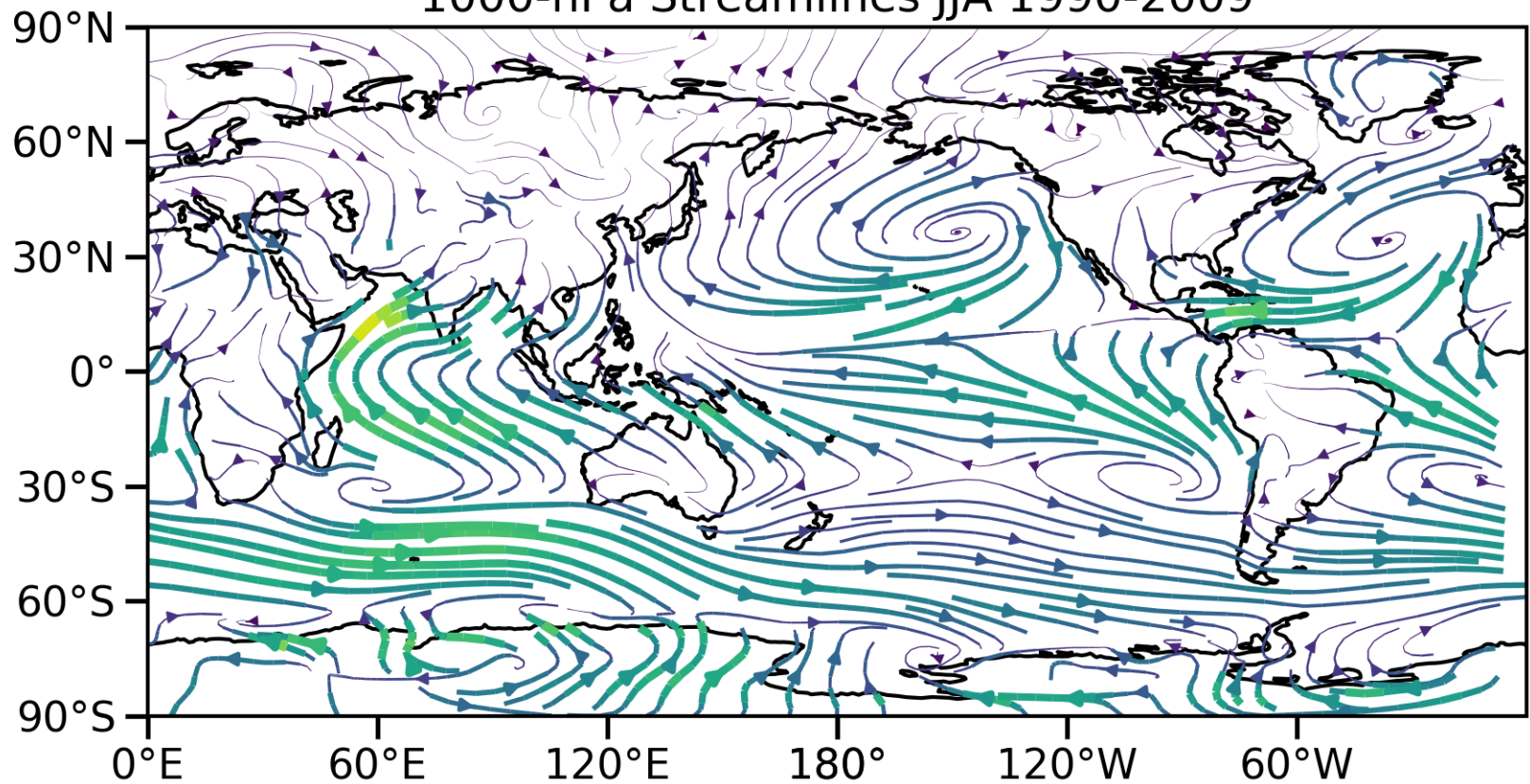
1000-hPa Streamlines Annual Mean 1990-2009



1000-hPa Streamlines DJF 1990-2009

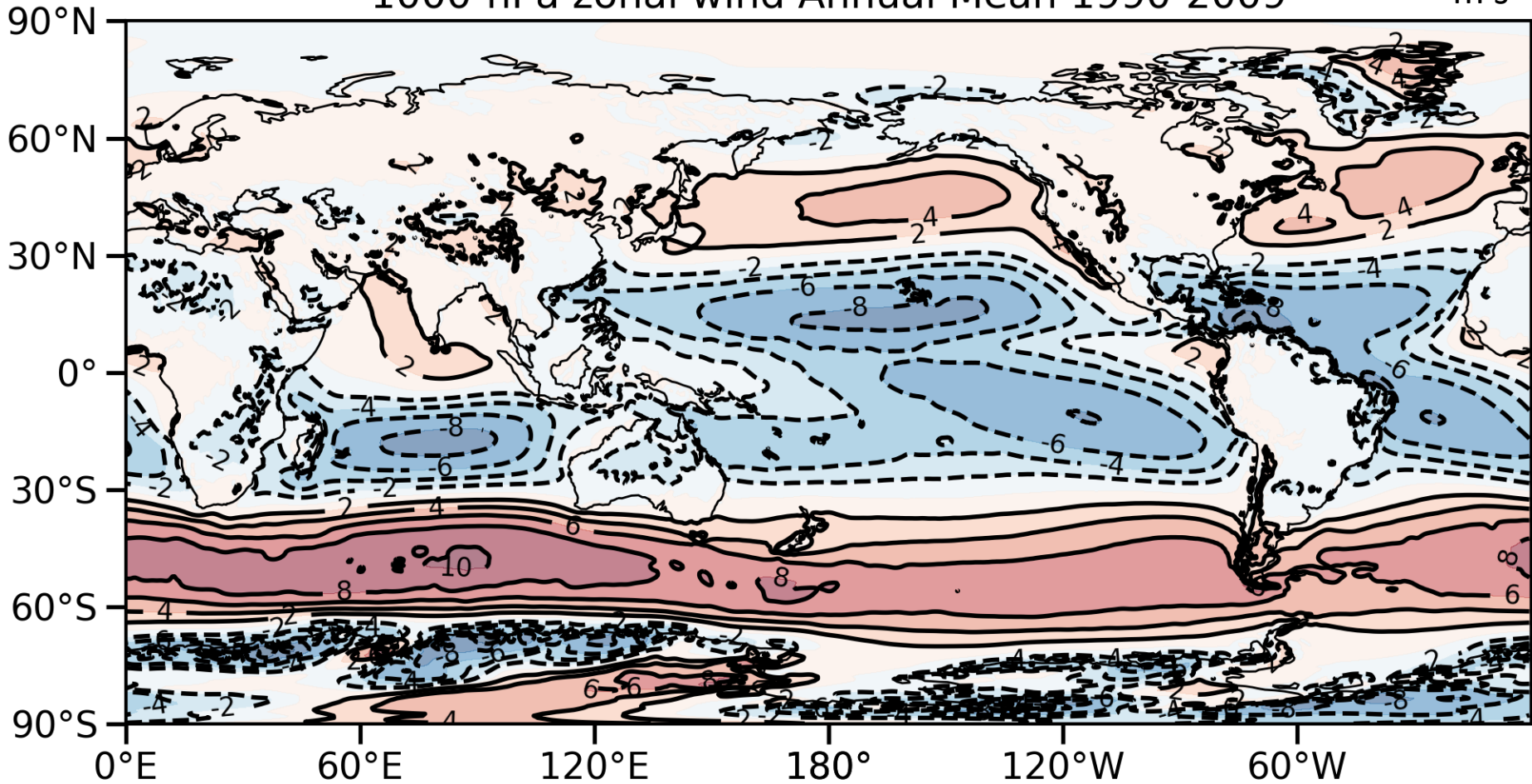


1000-hPa Streamlines JJA 1990-2009



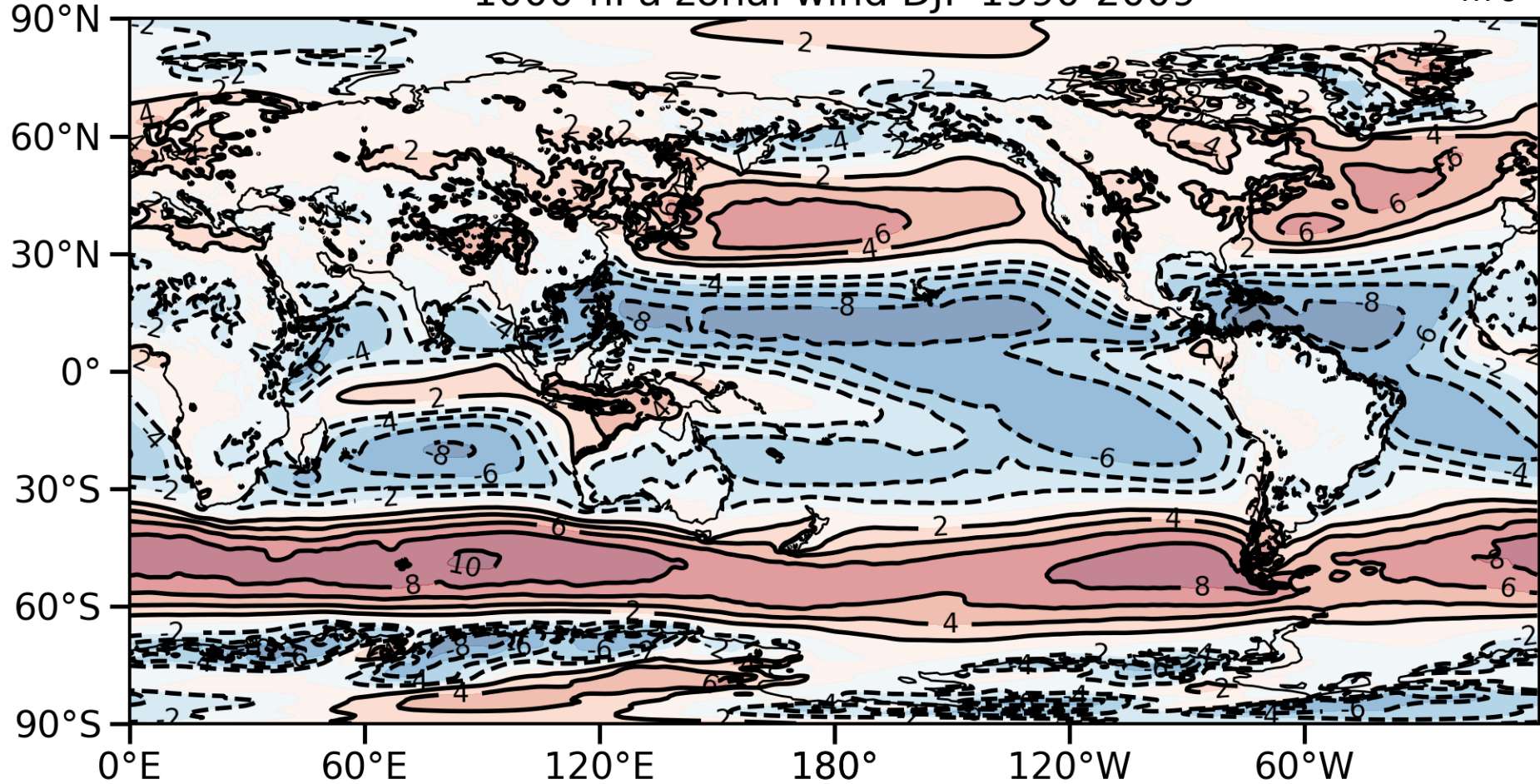
1000-hPa zonal wind Annual Mean 1990-2009

m s⁻¹



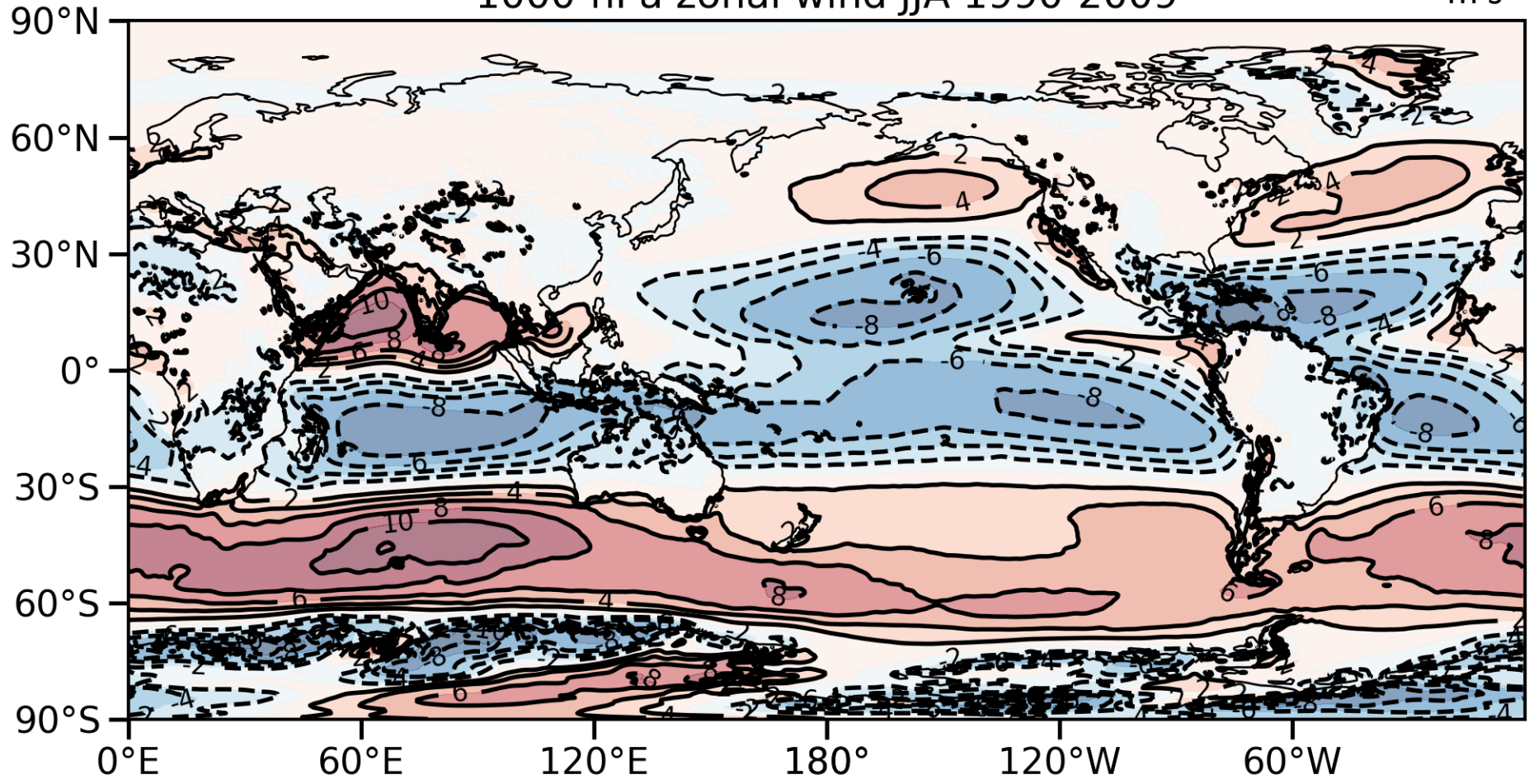
1000-hPa zonal wind DJF 1990-2009

m s⁻¹



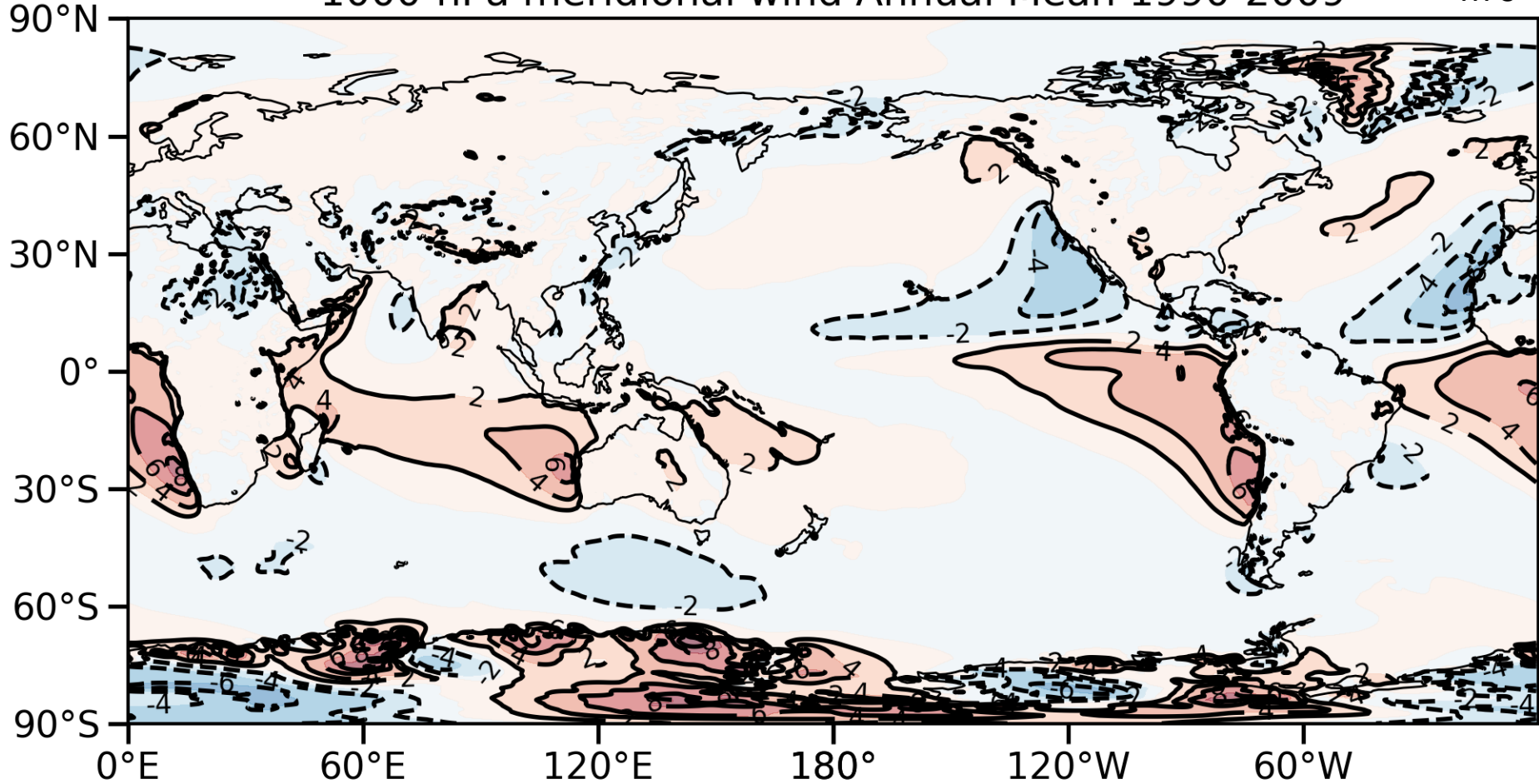
1000-hPa zonal wind JJA 1990-2009

m s⁻¹



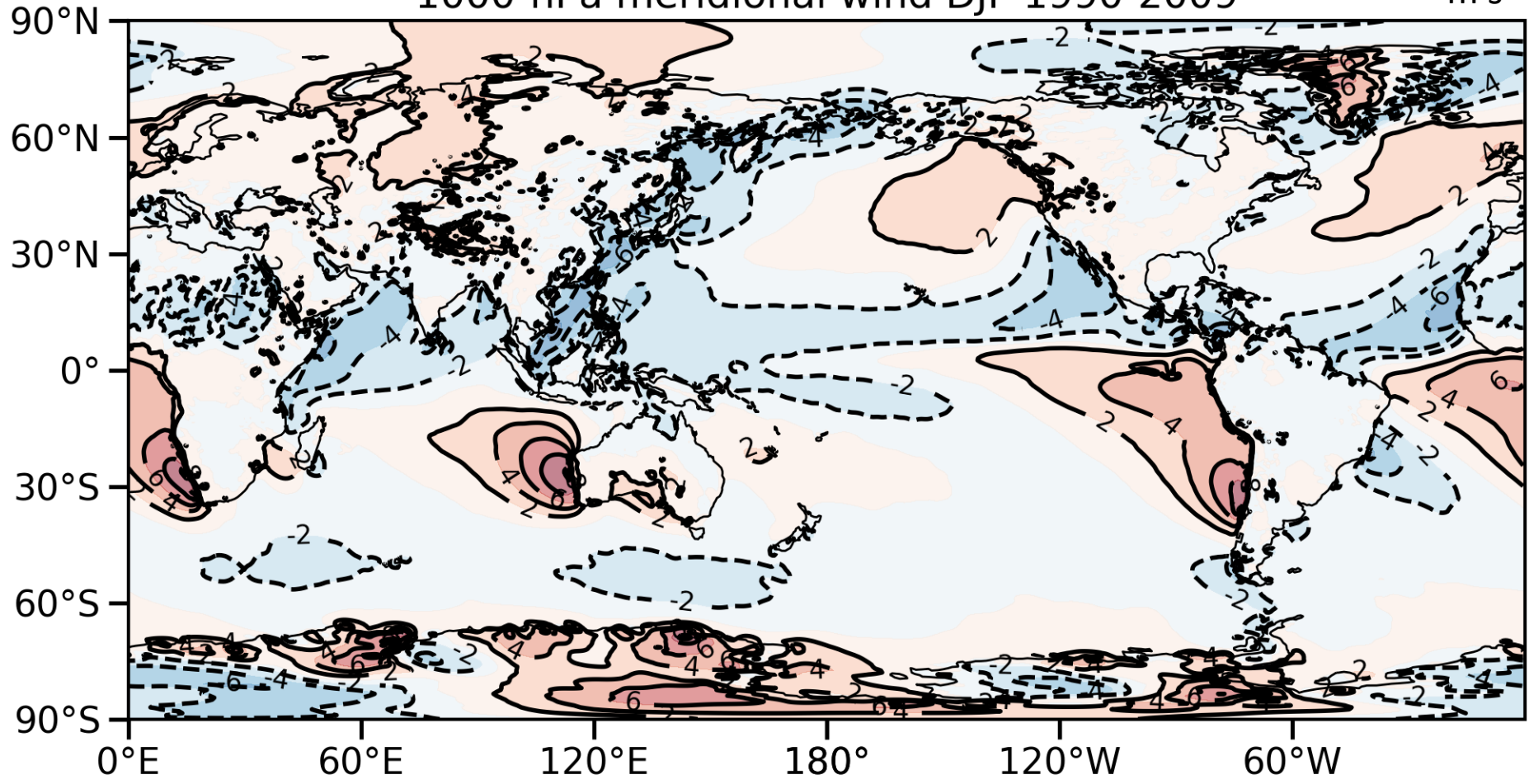
1000-hPa meridional wind Annual Mean 1990-2009

m s⁻¹



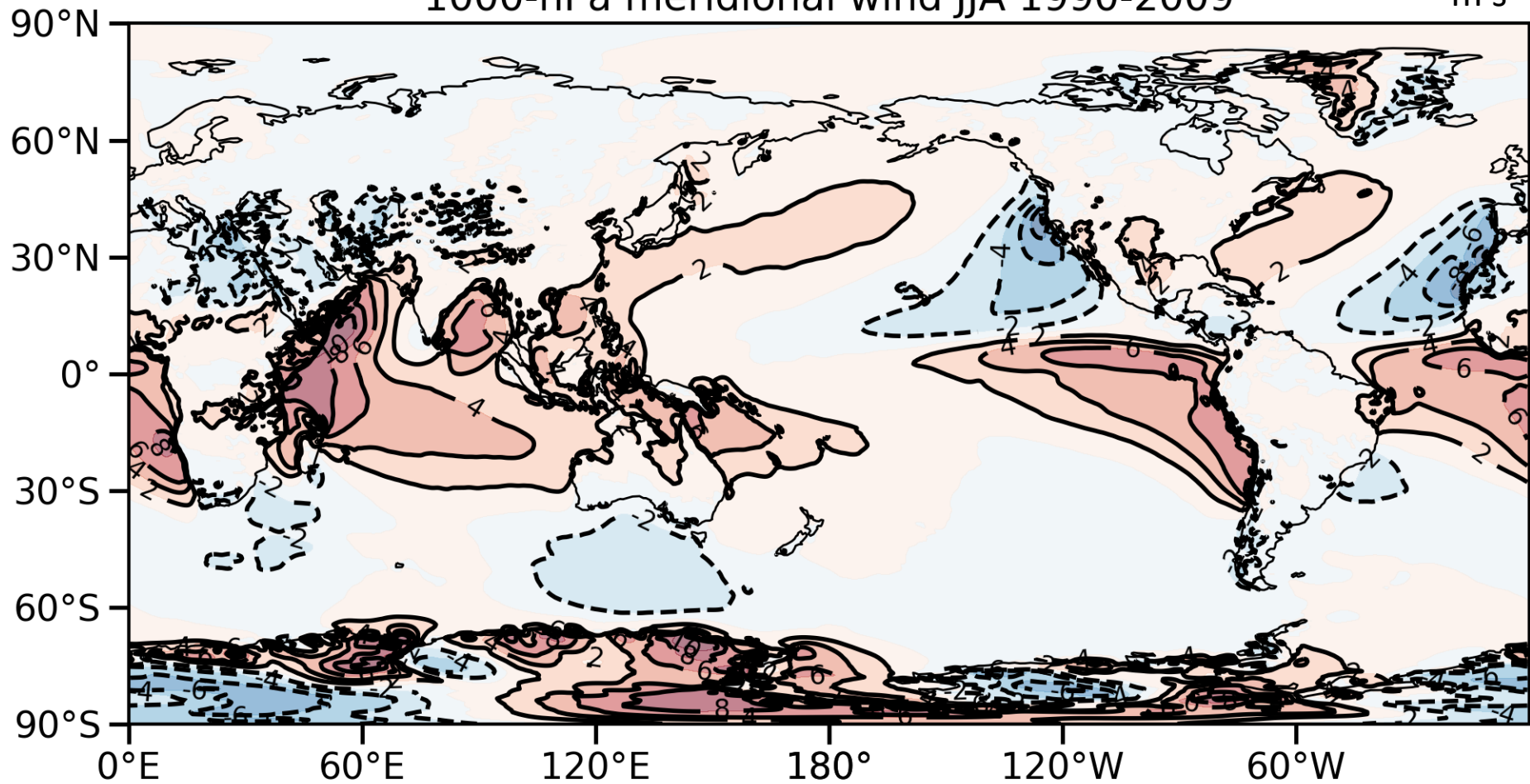
1000-hPa meridional wind DJF 1990-2009

m s⁻¹



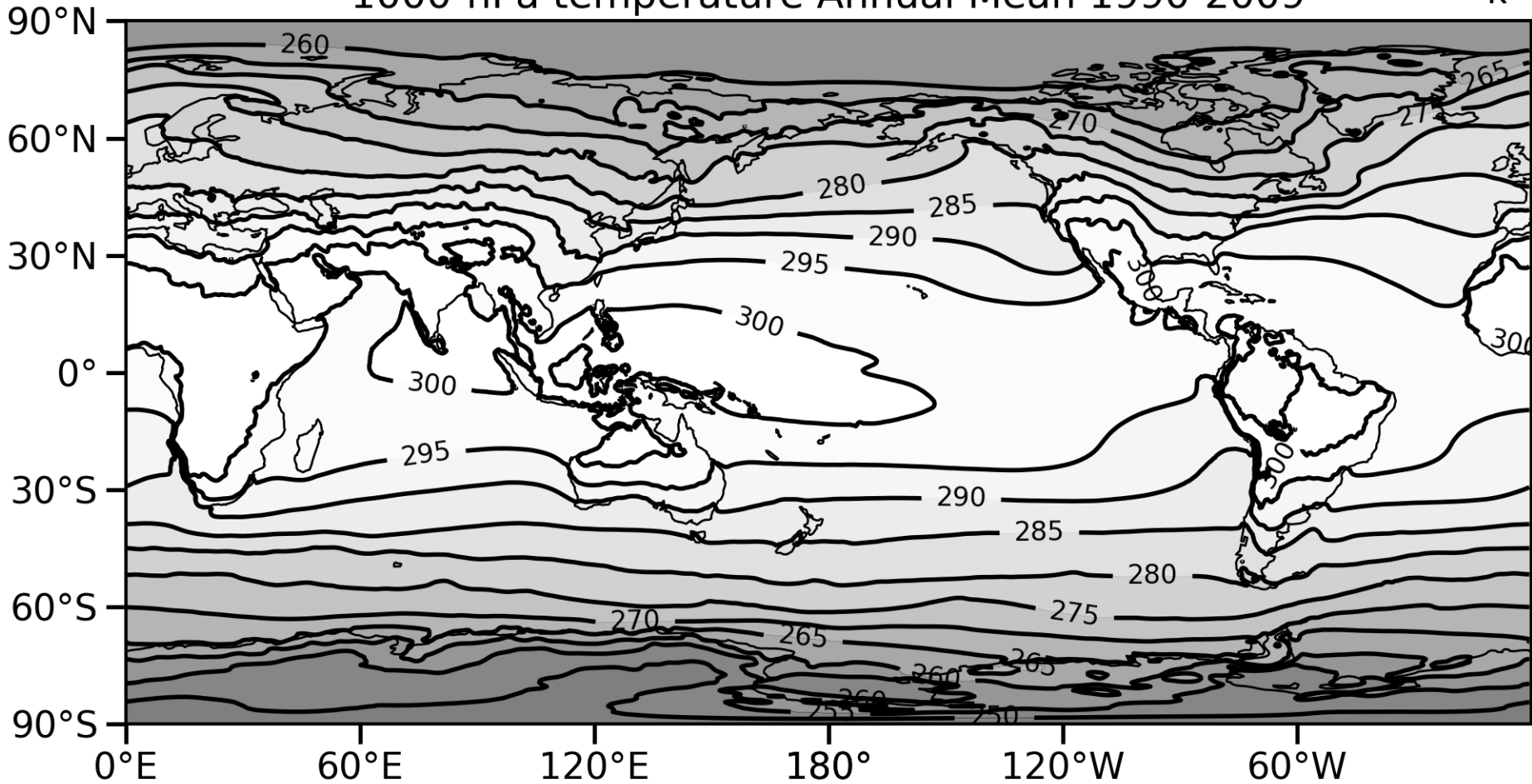
1000-hPa meridional wind JJA 1990-2009

m s⁻¹



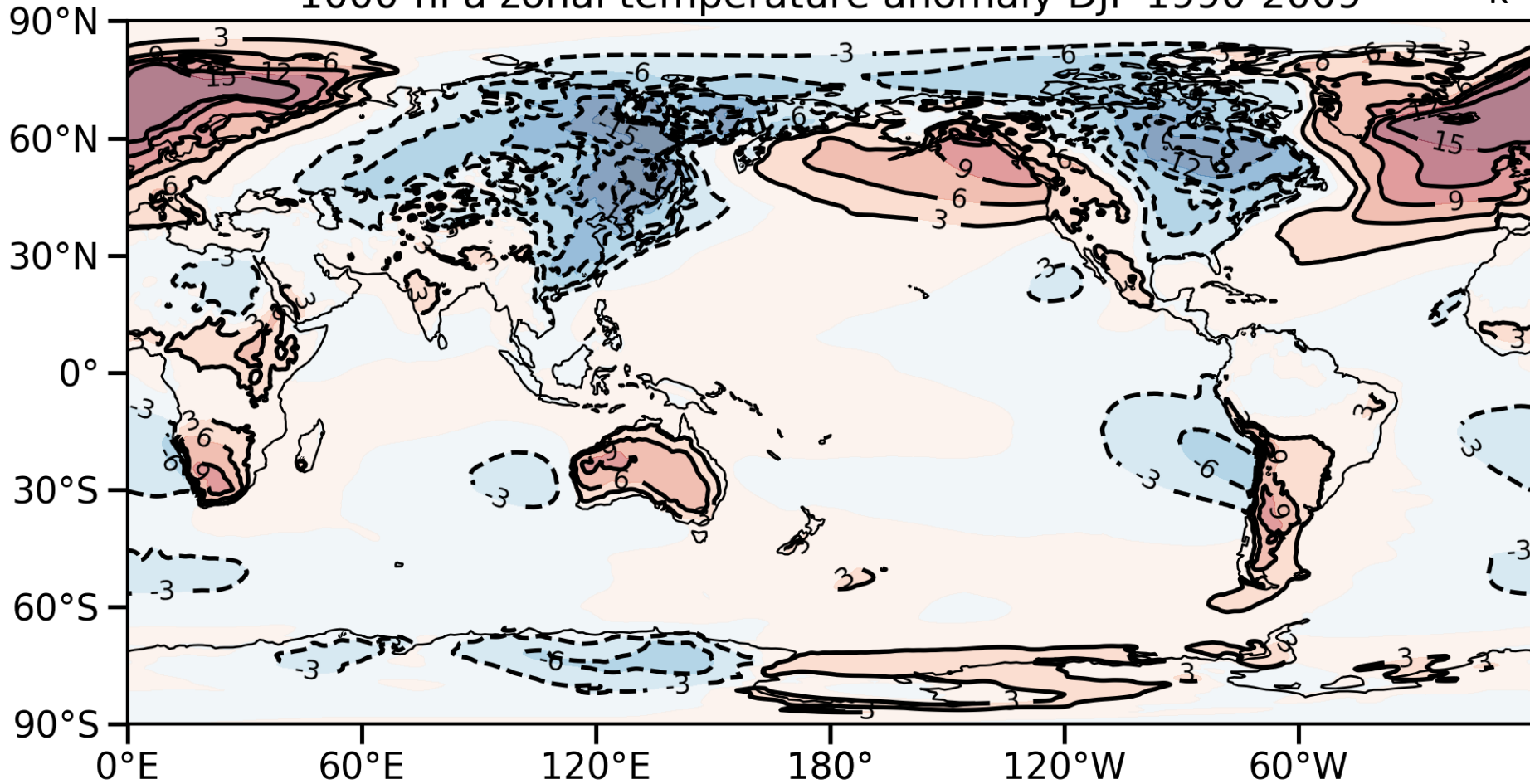
1000-hPa temperature Annual Mean 1990-2009

K



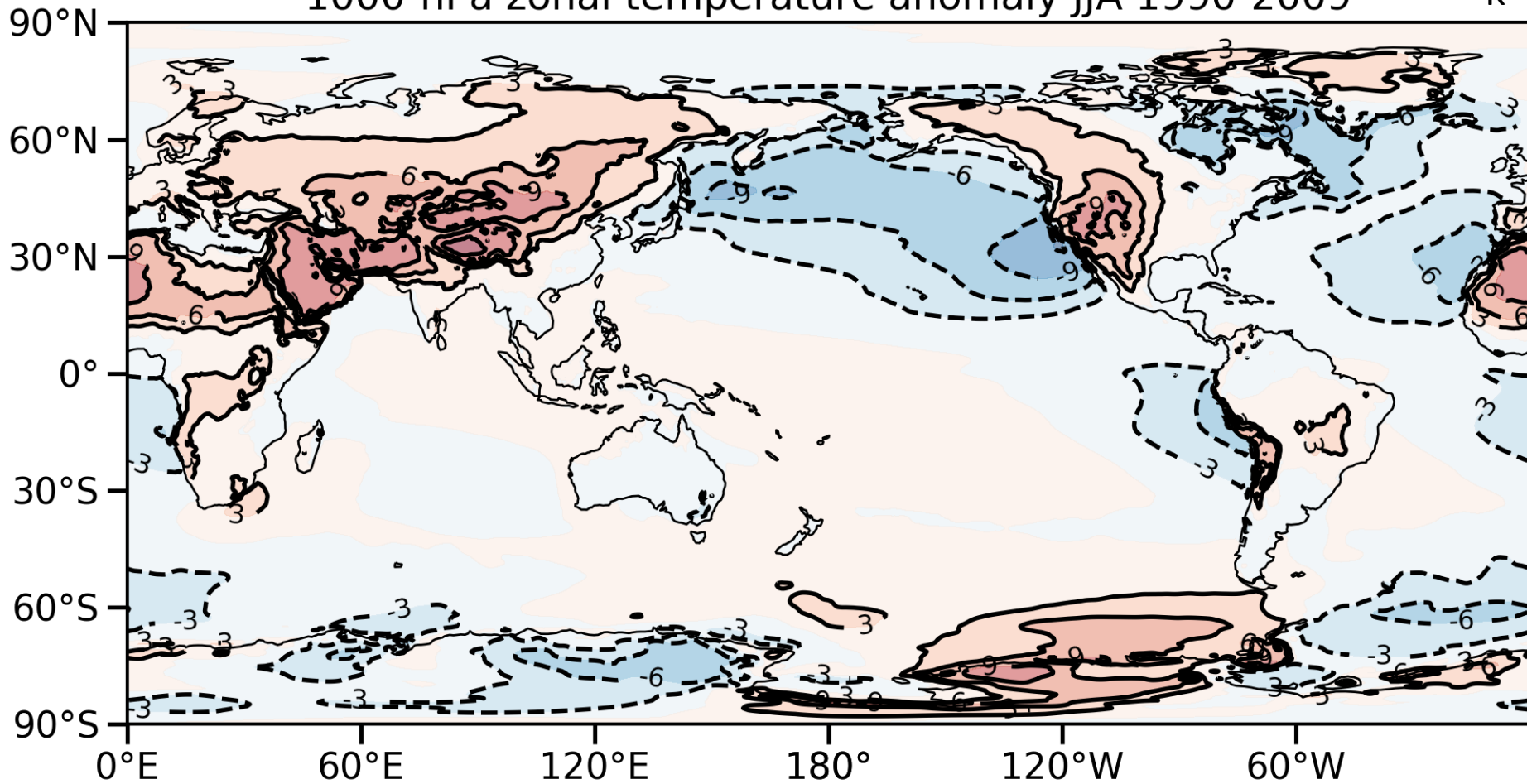
1000-hPa zonal temperature anomaly DJF 1990-2009

K

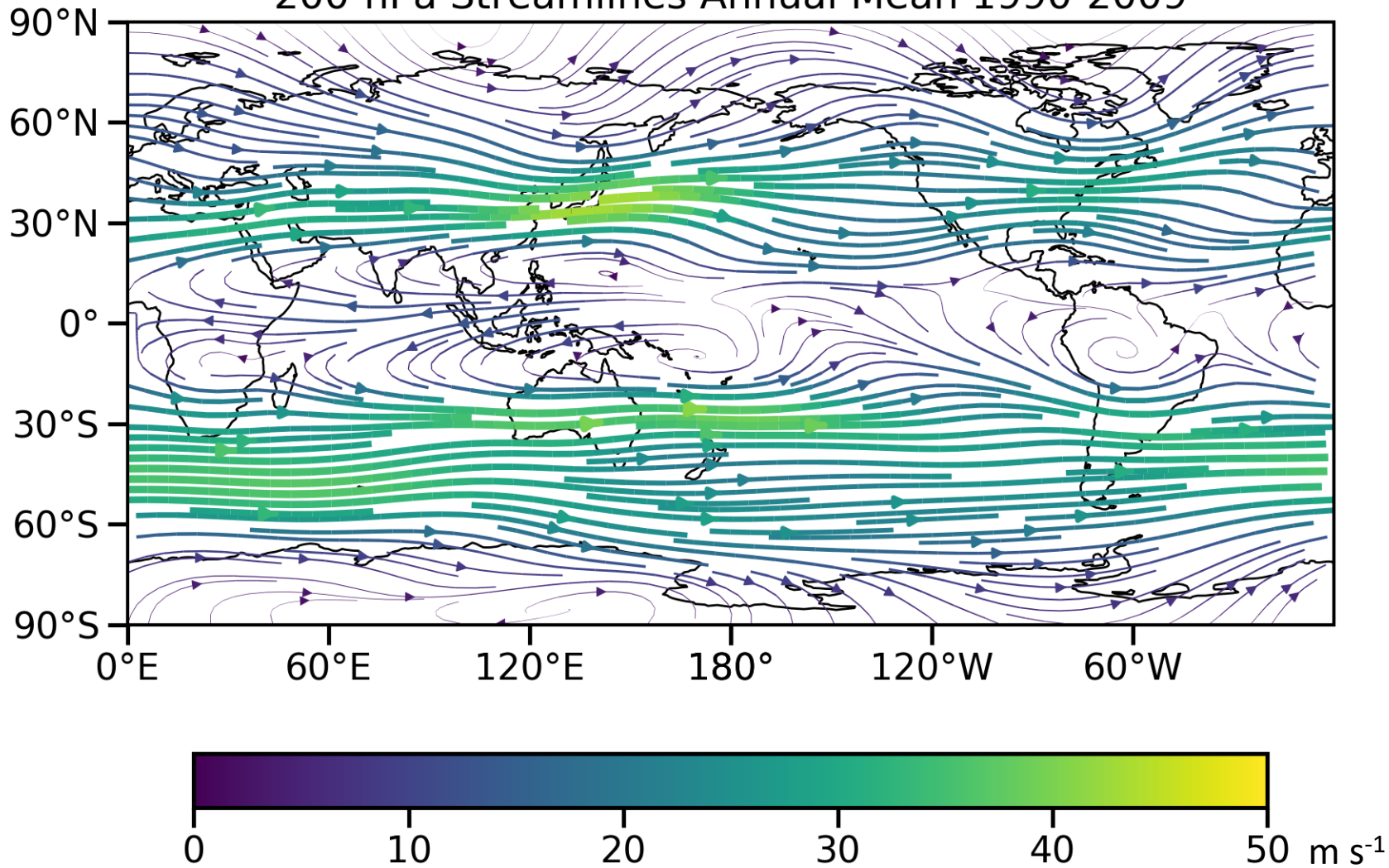


1000-hPa zonal temperature anomaly JJA 1990-2009

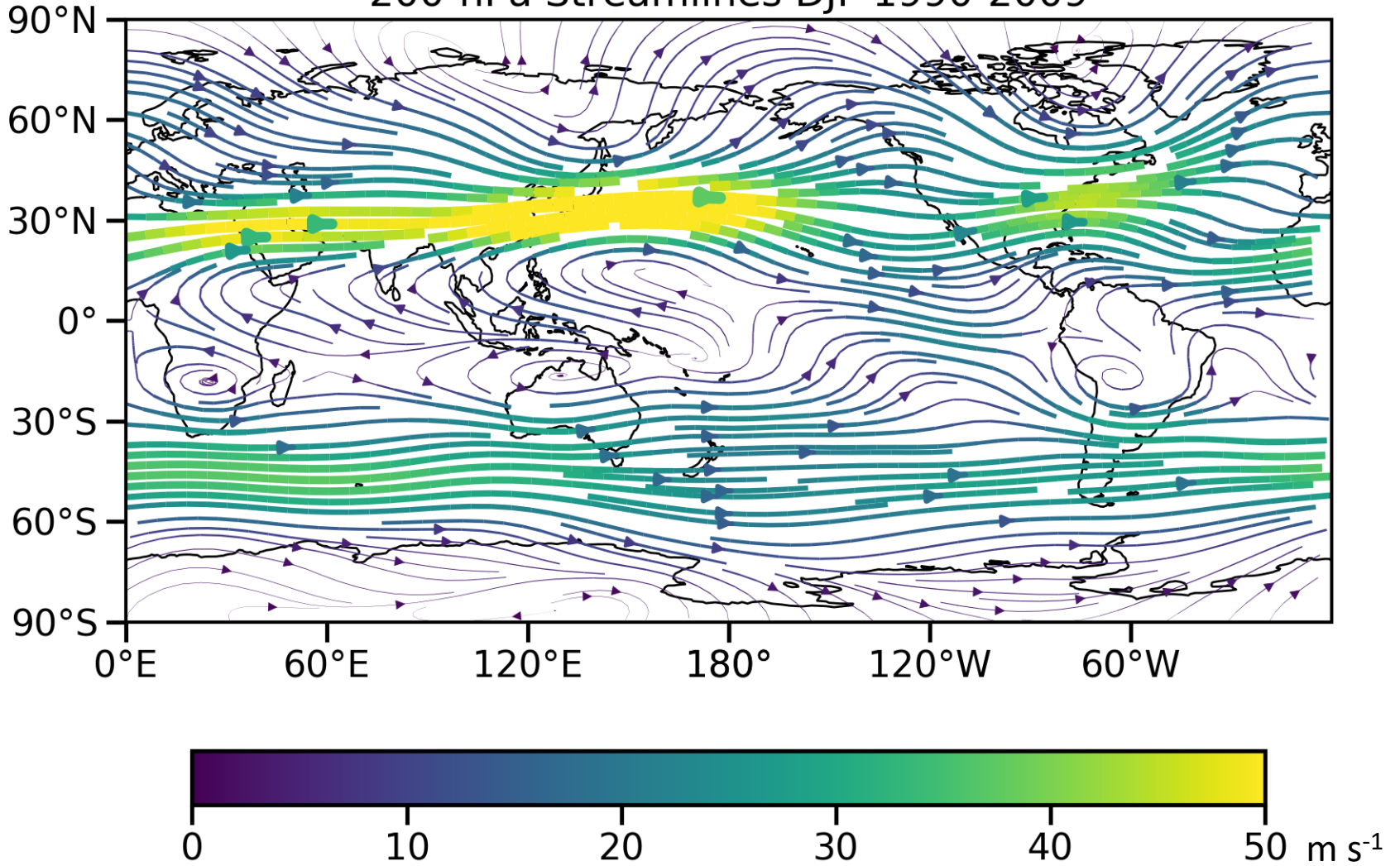
K



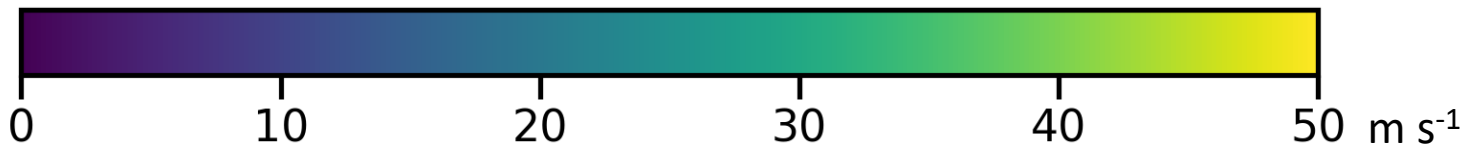
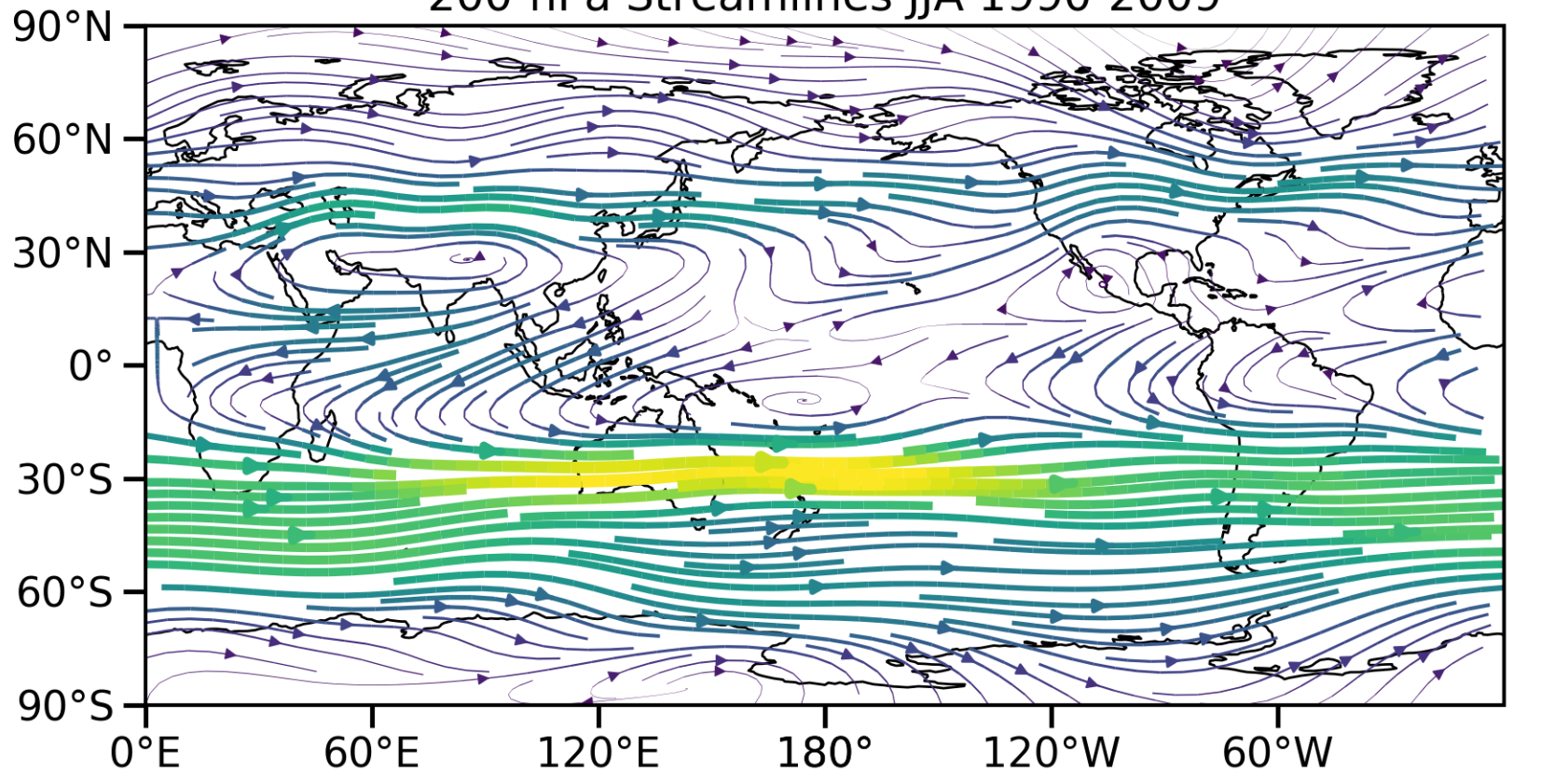
200-hPa Streamlines Annual Mean 1990-2009



200-hPa Streamlines DJF 1990-2009

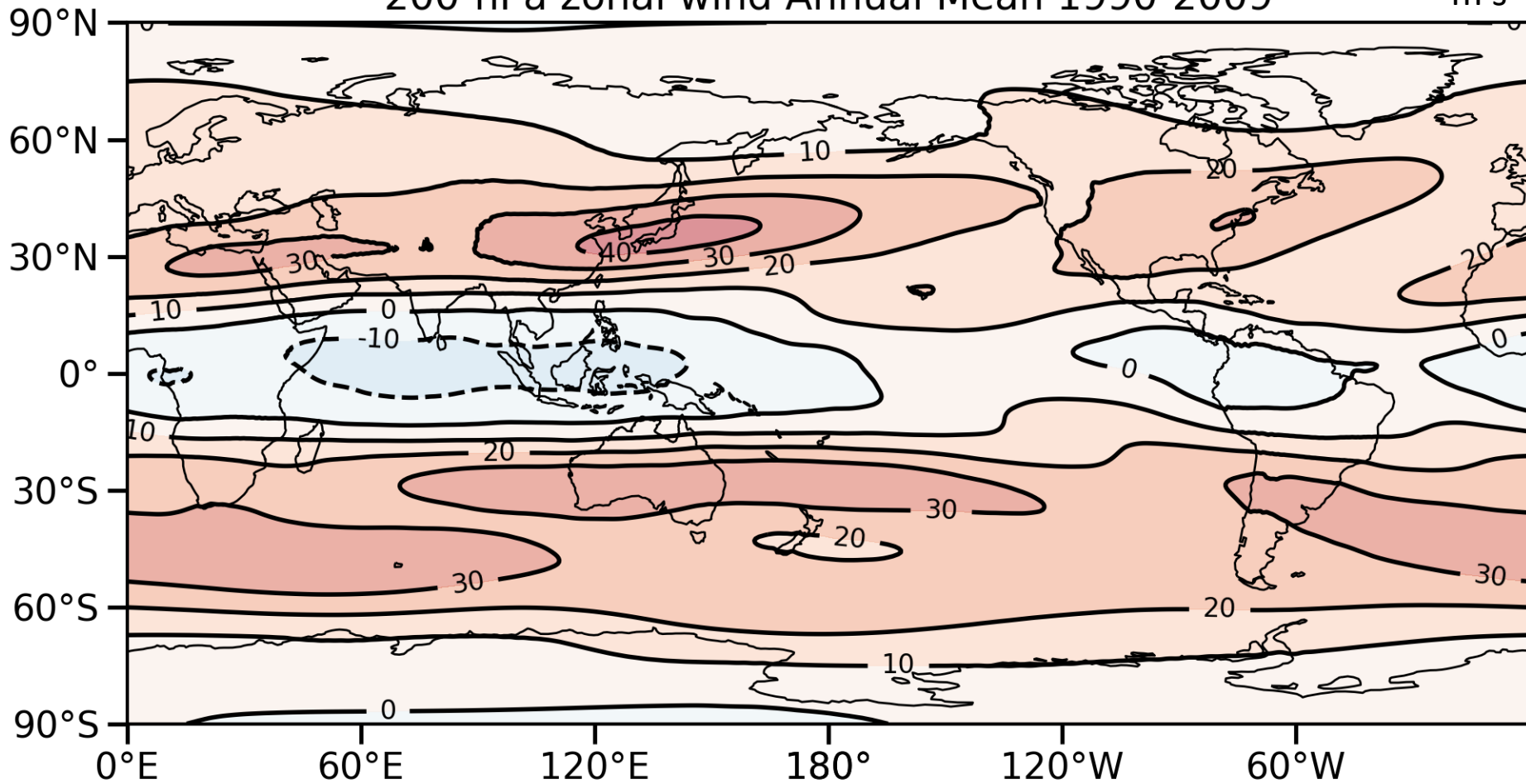


200-hPa Streamlines JJA 1990-2009



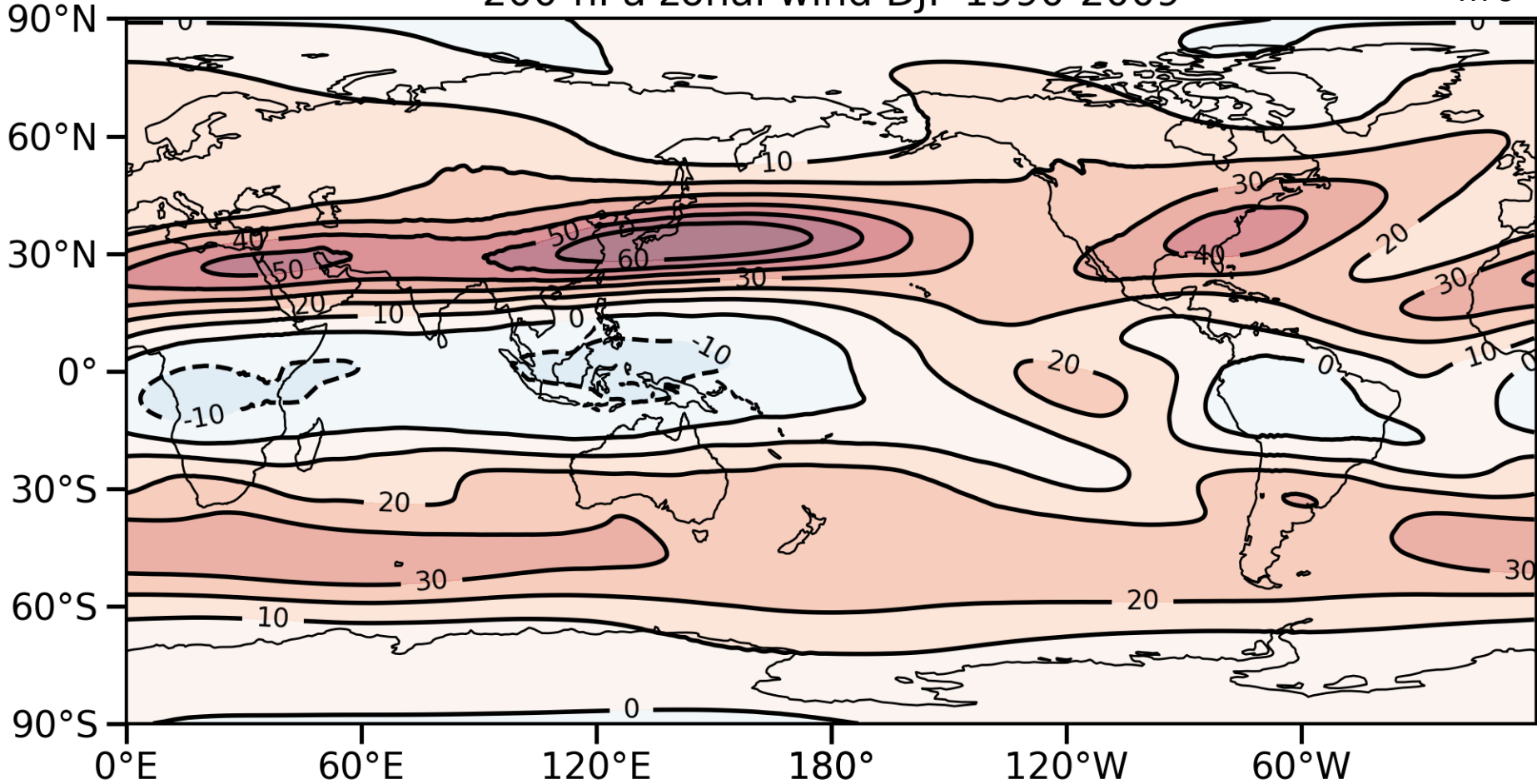
200-hPa zonal wind Annual Mean 1990-2009

m s⁻¹



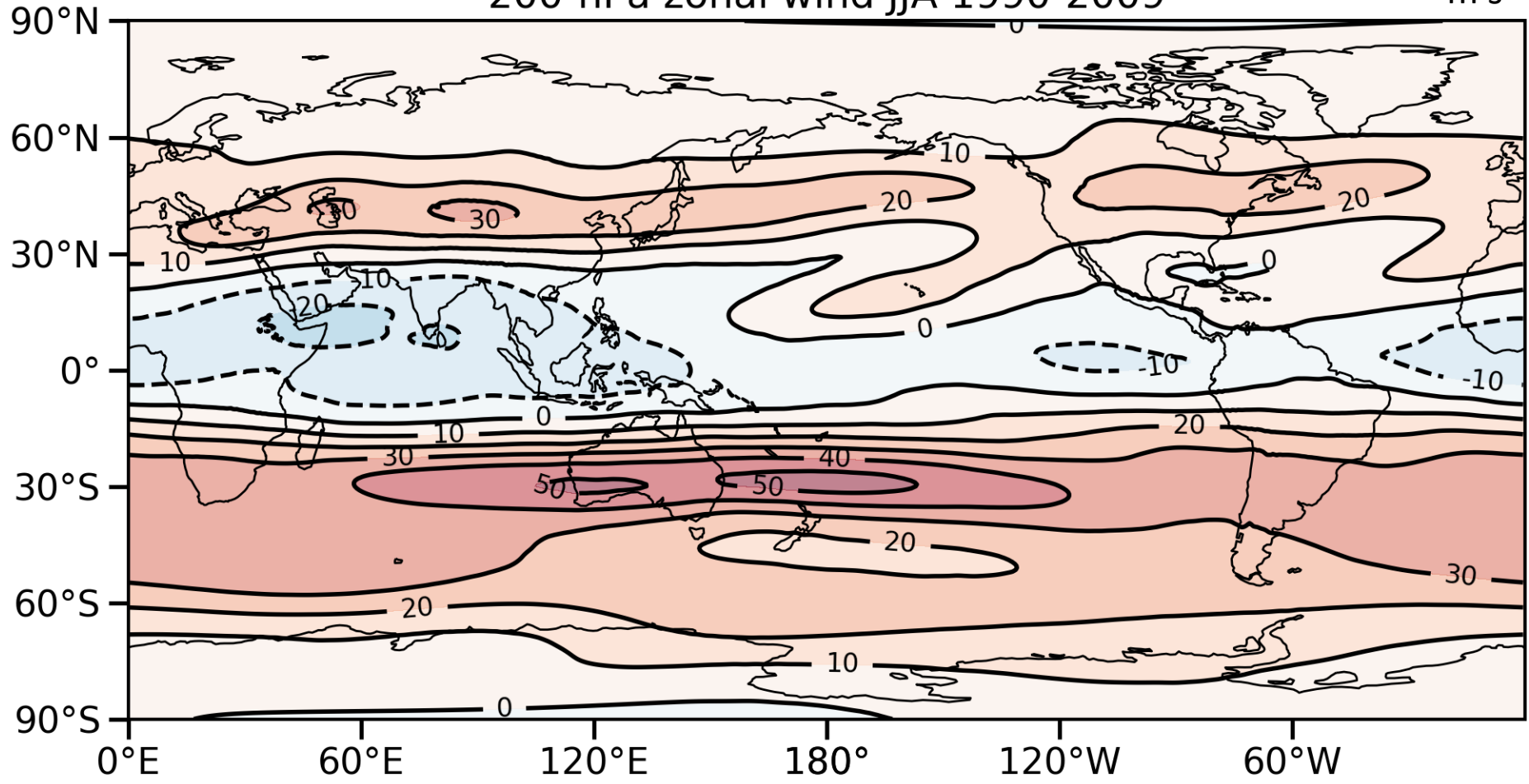
200-hPa zonal wind DJF 1990-2009

m s⁻¹



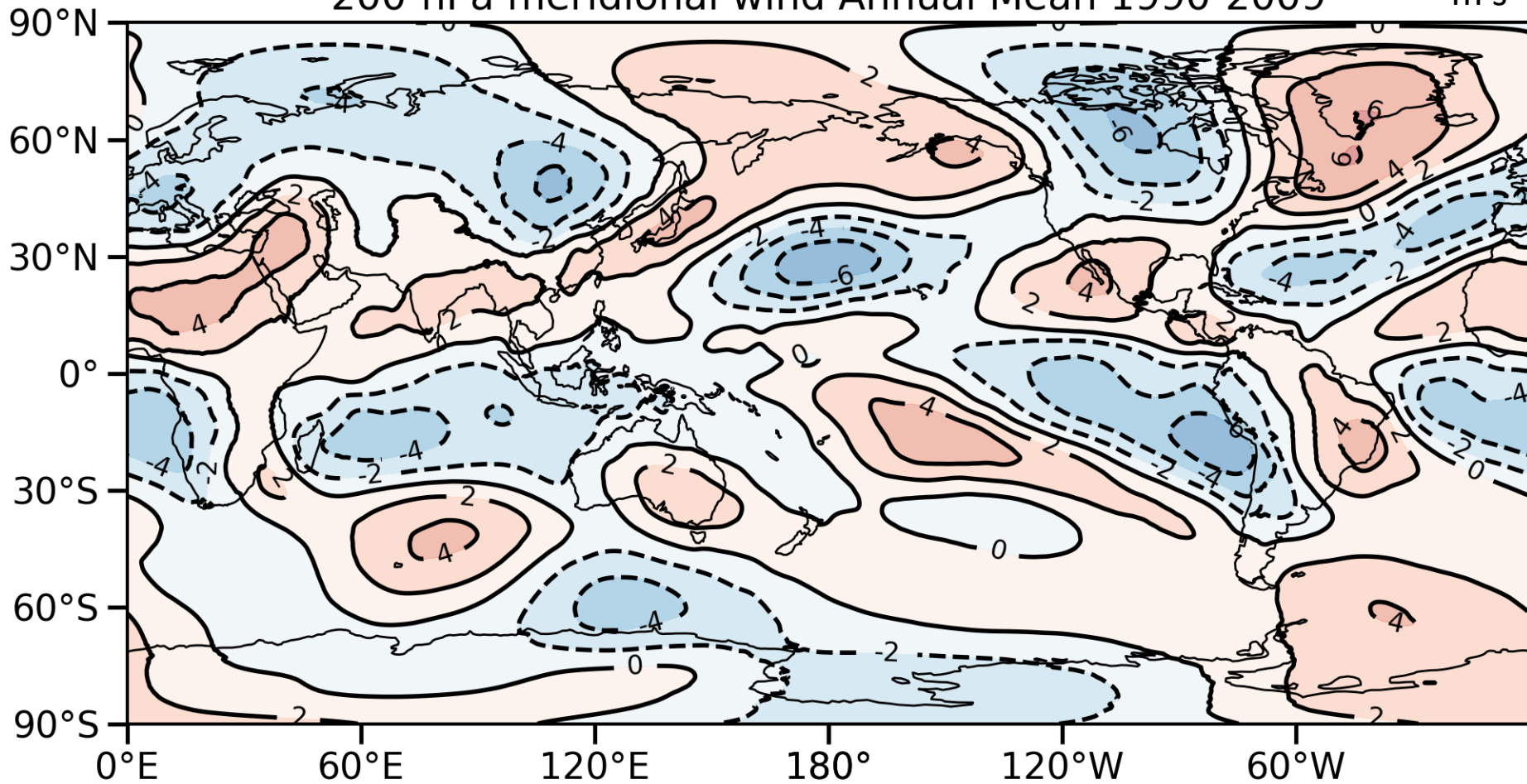
200-hPa zonal wind JJA 1990-2009

m s⁻¹



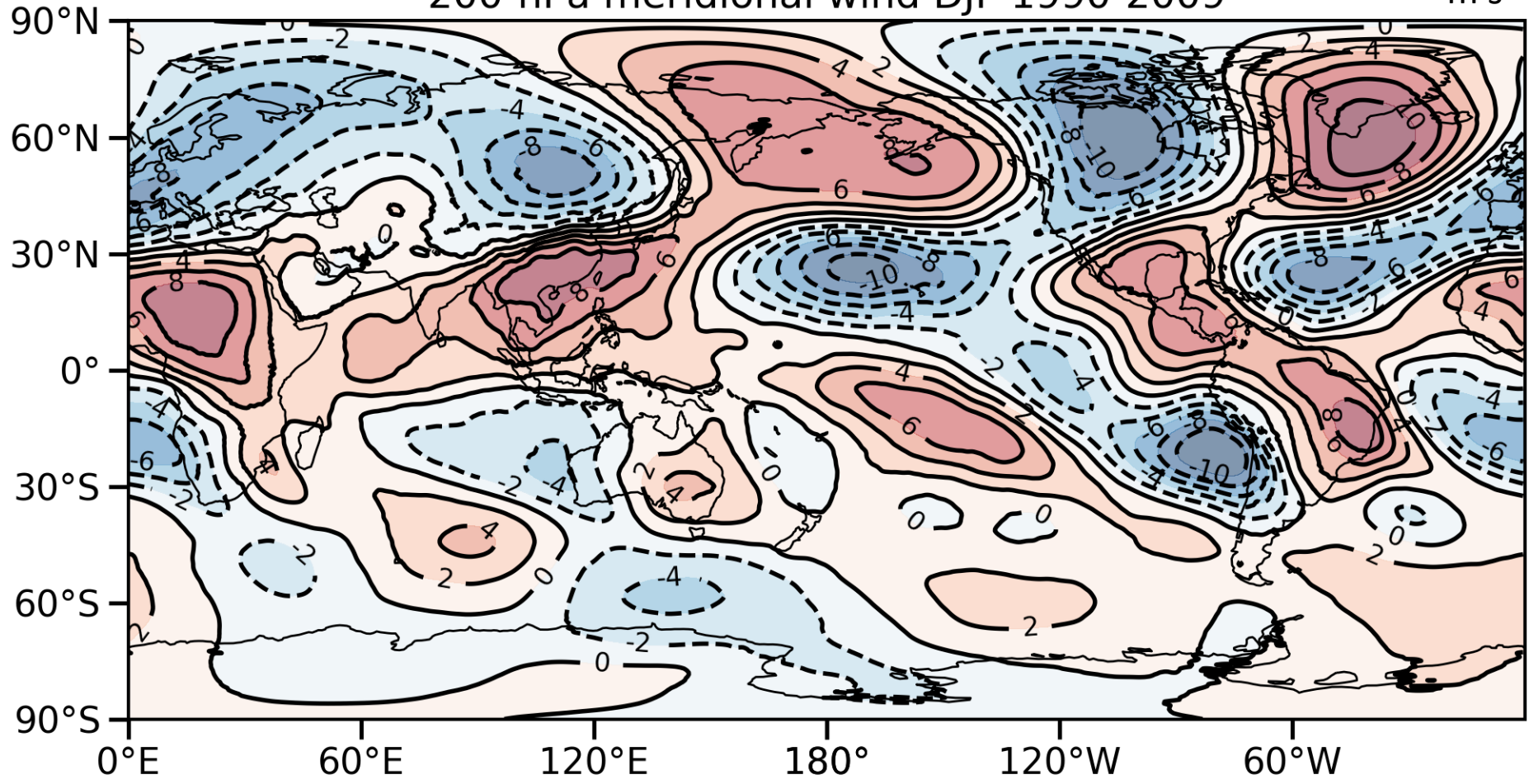
200-hPa meridional wind Annual Mean 1990-2009

m s⁻¹



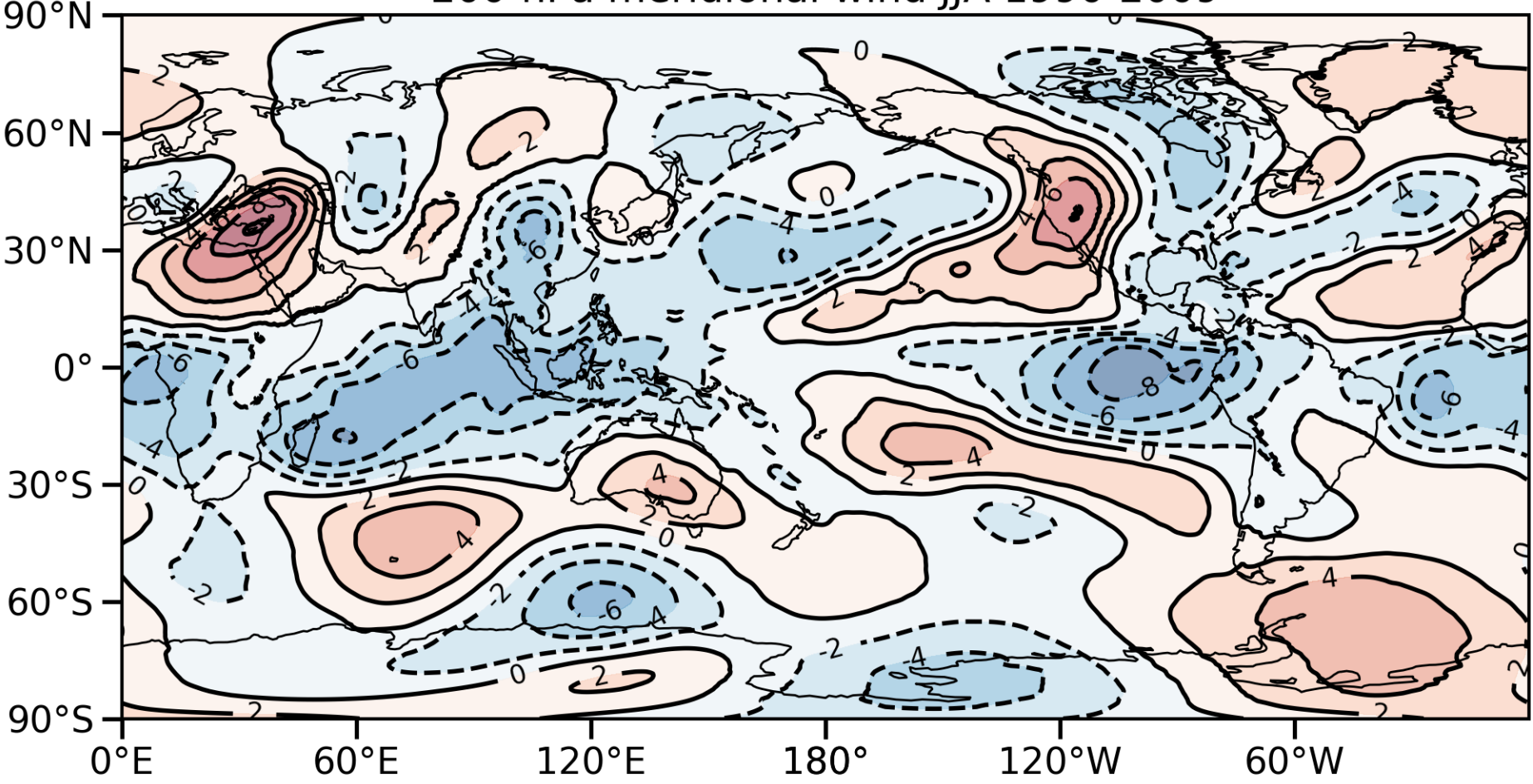
200-hPa meridional wind DJF 1990-2009

m s⁻¹

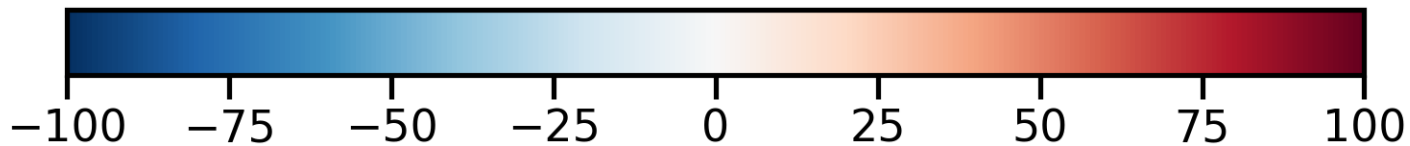
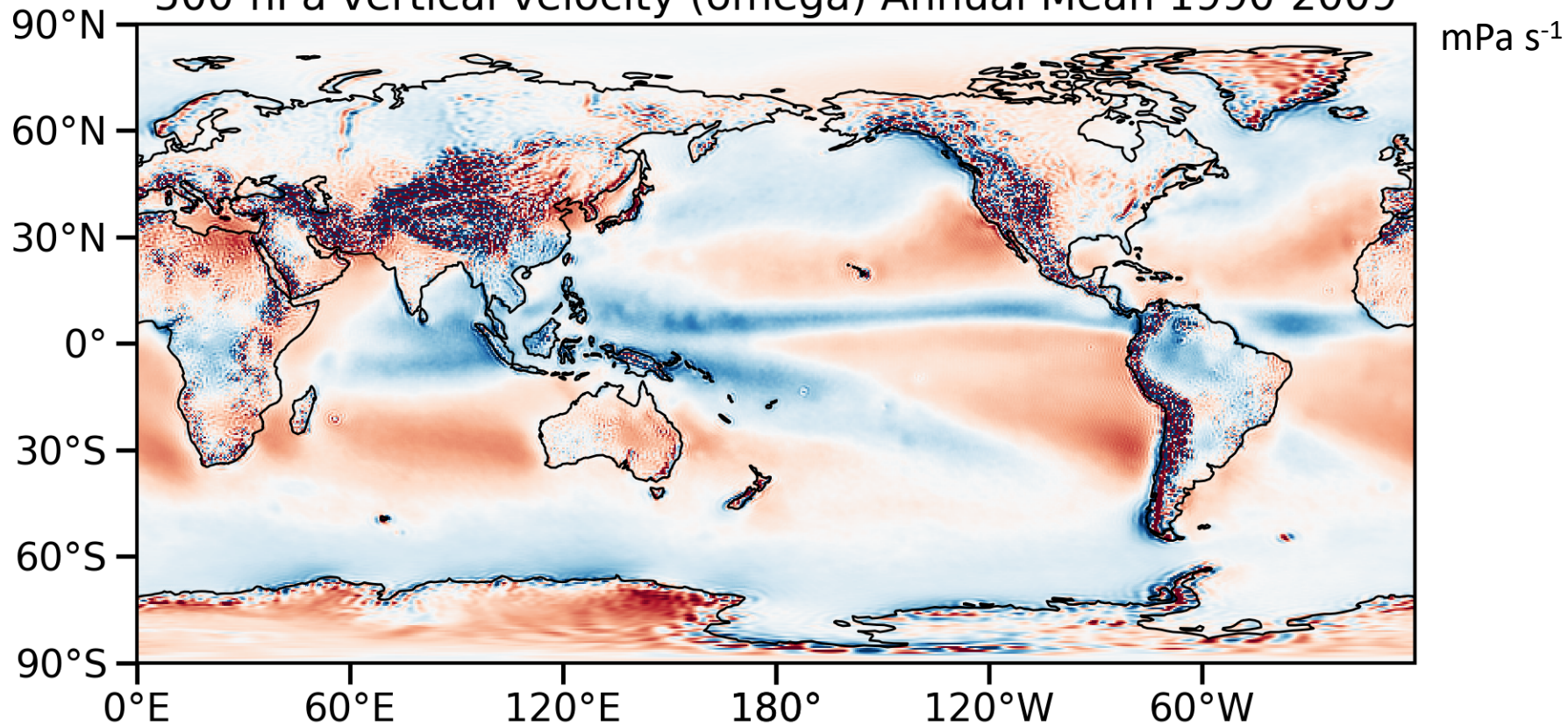


200-hPa meridional wind JJA 1990-2009

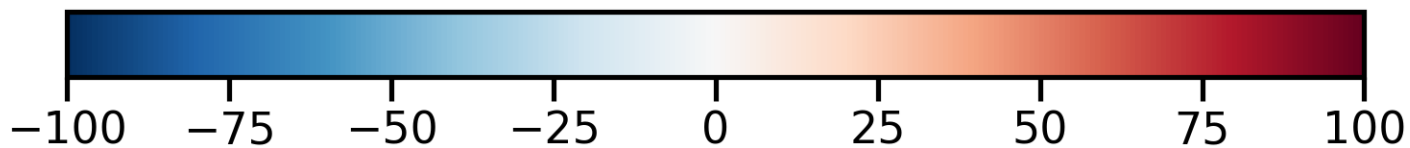
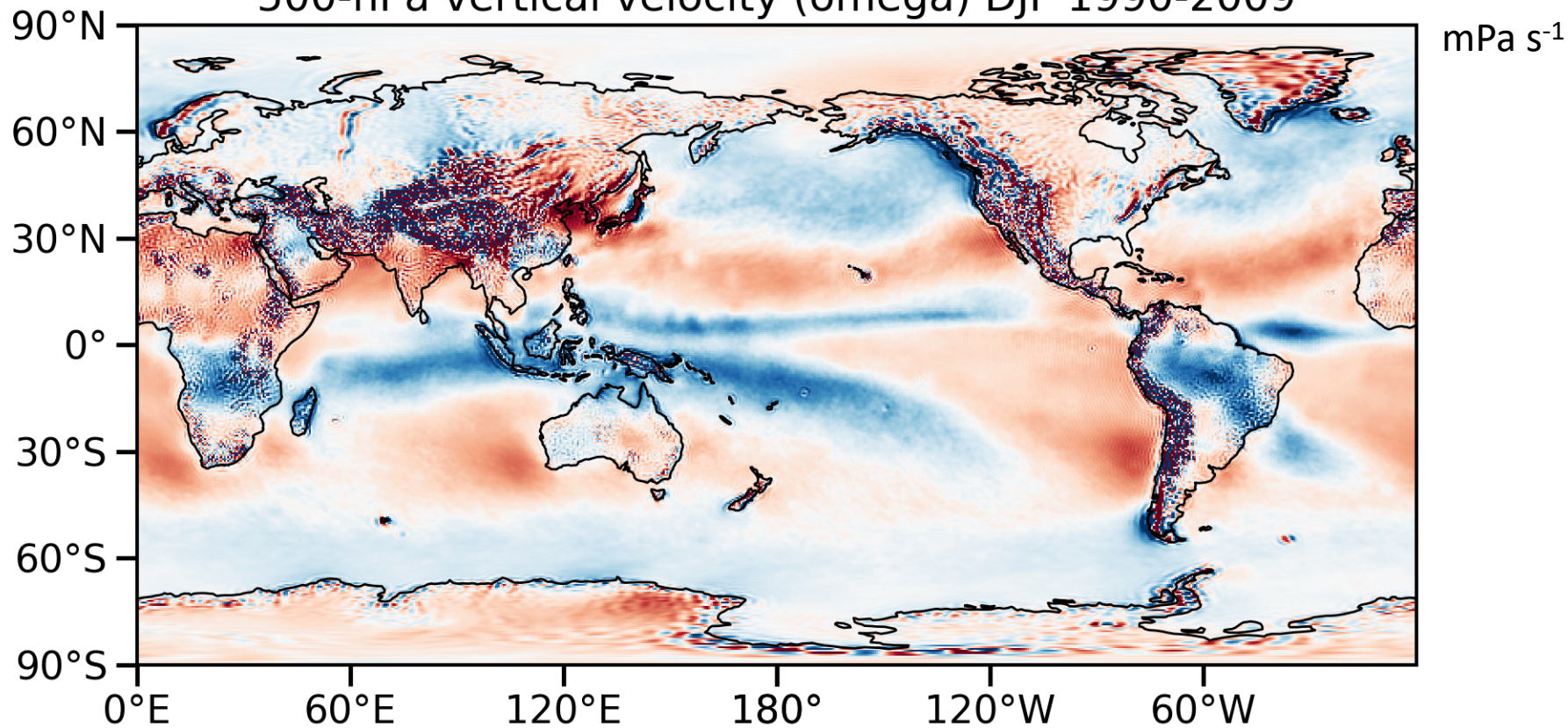
m s⁻¹



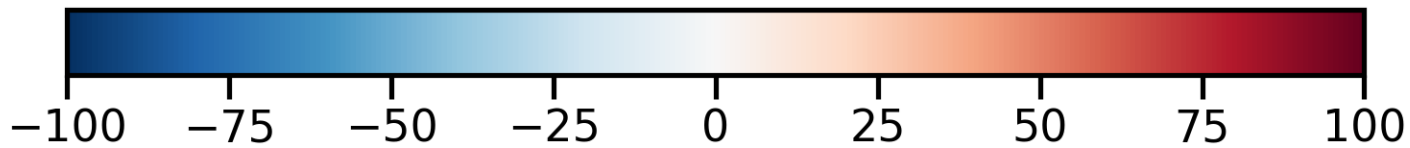
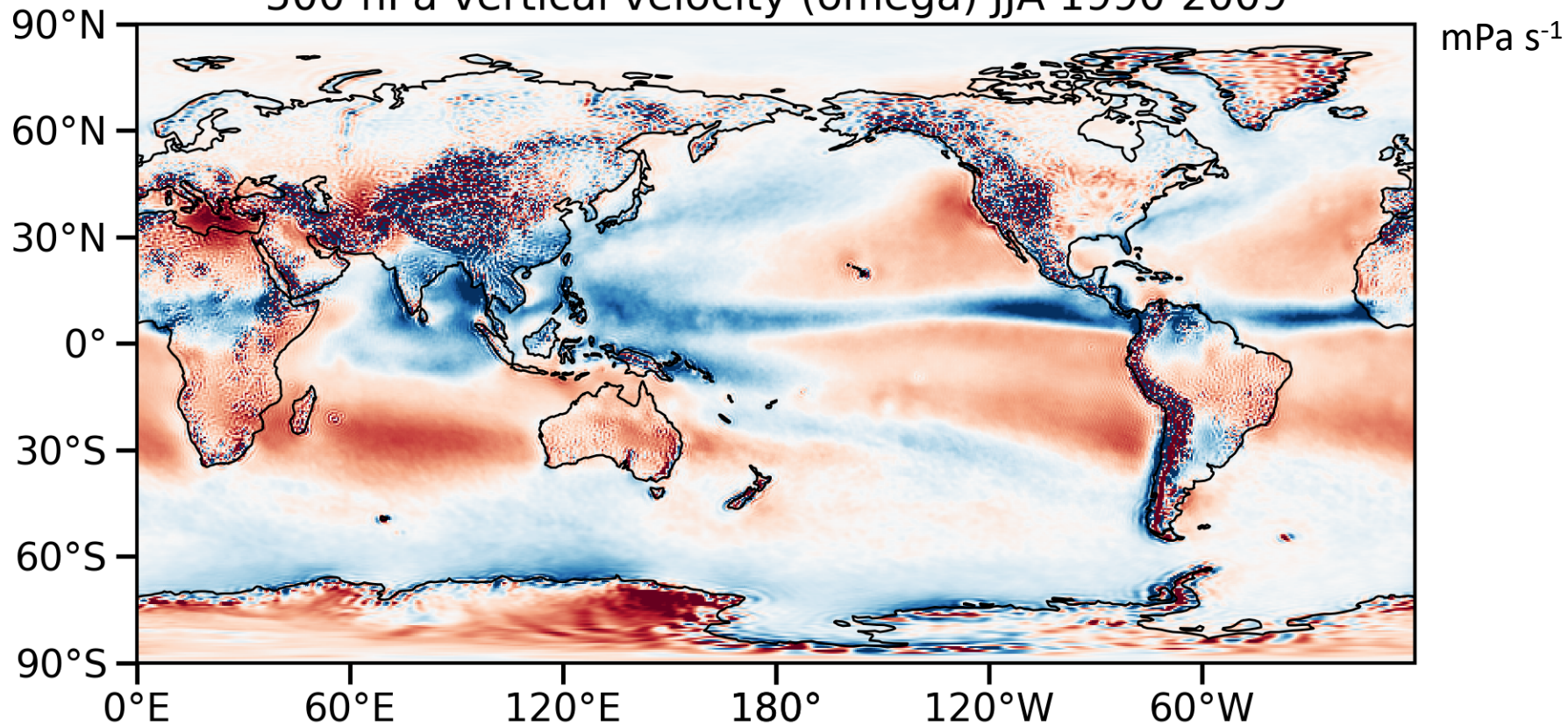
500-hPa vertical velocity (omega) Annual Mean 1990-2009



500-hPa vertical velocity (omega) DJF 1990-2009

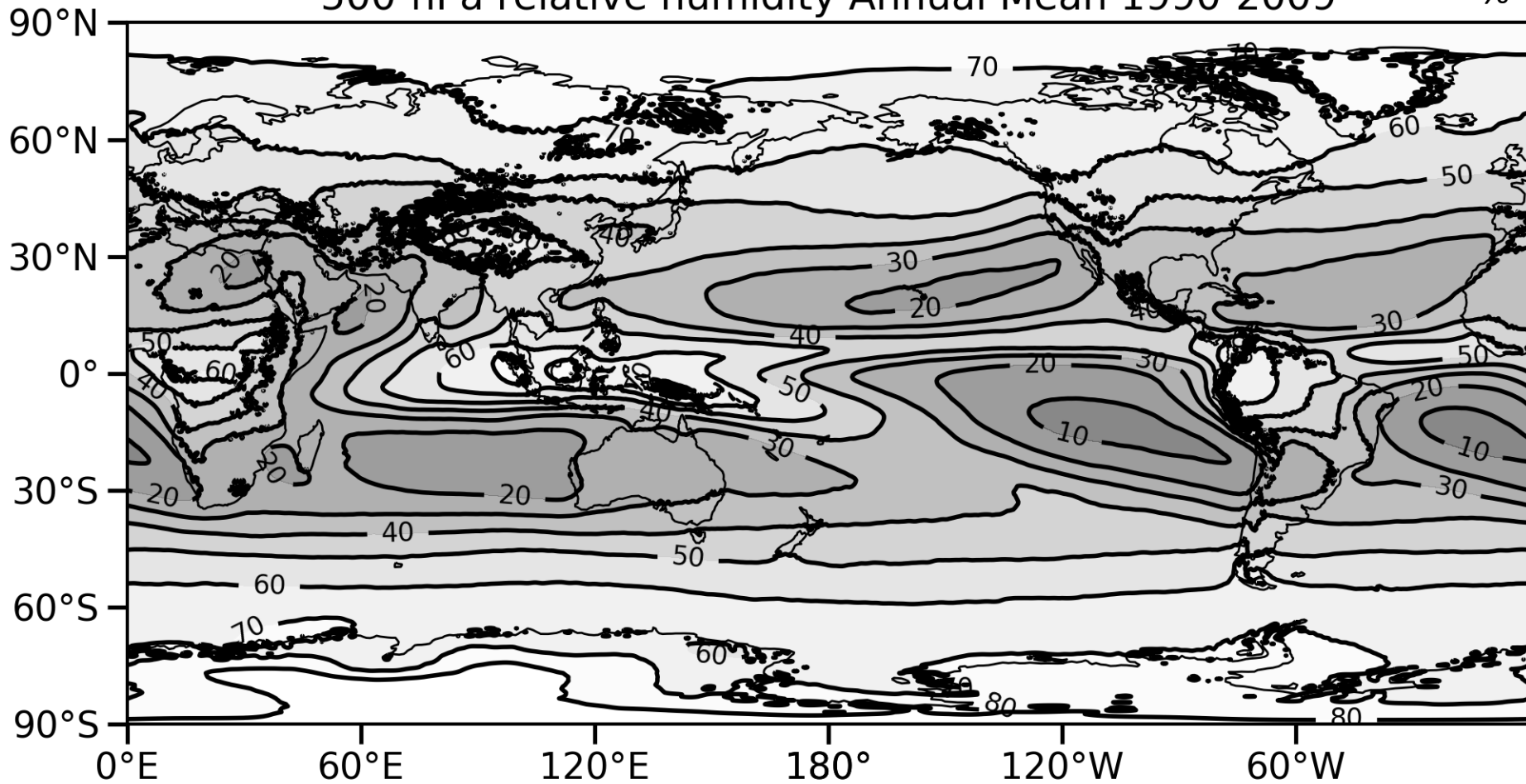


500-hPa vertical velocity (ω) JJA 1990-2009



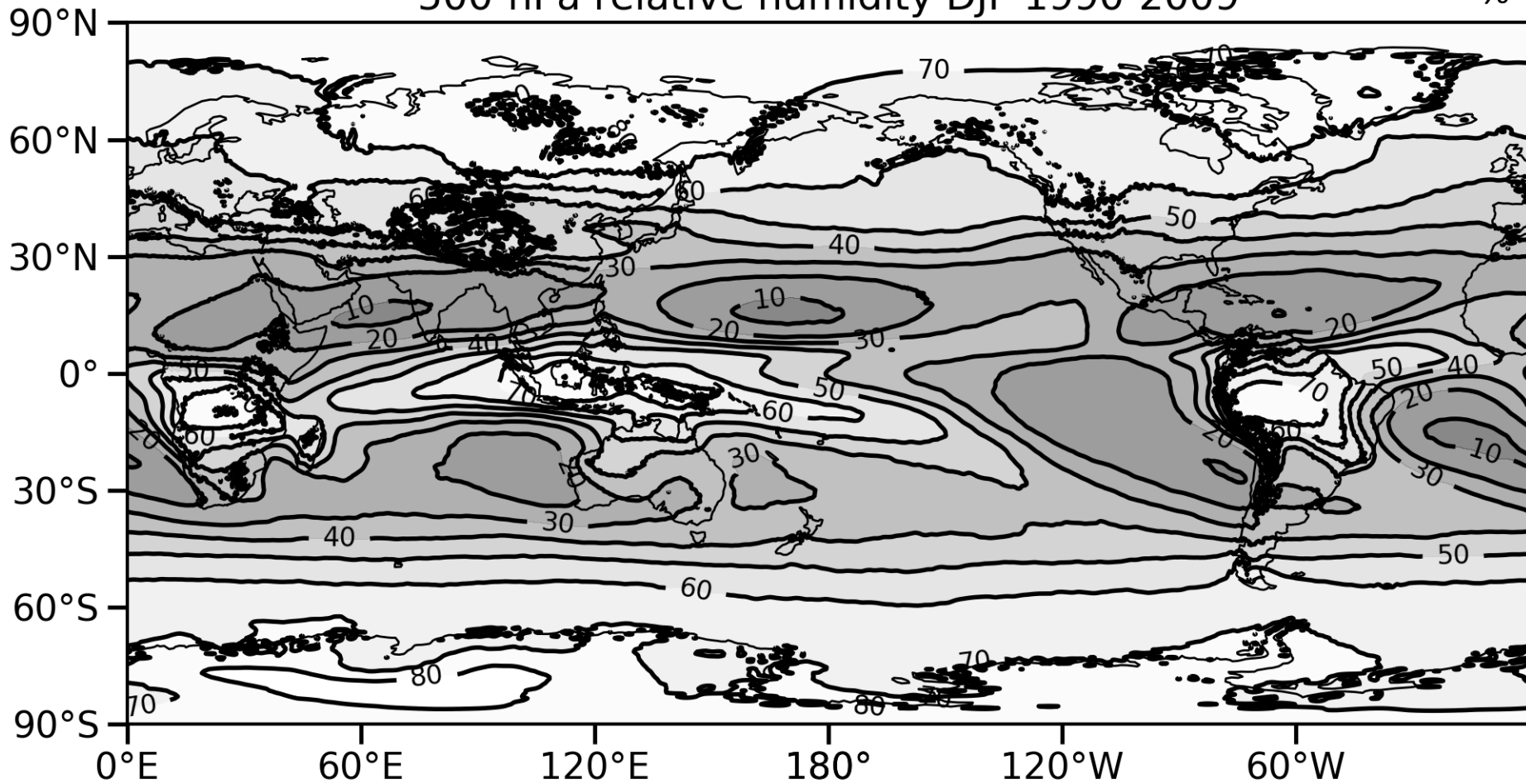
500-hPa relative humidity Annual Mean 1990-2009

%



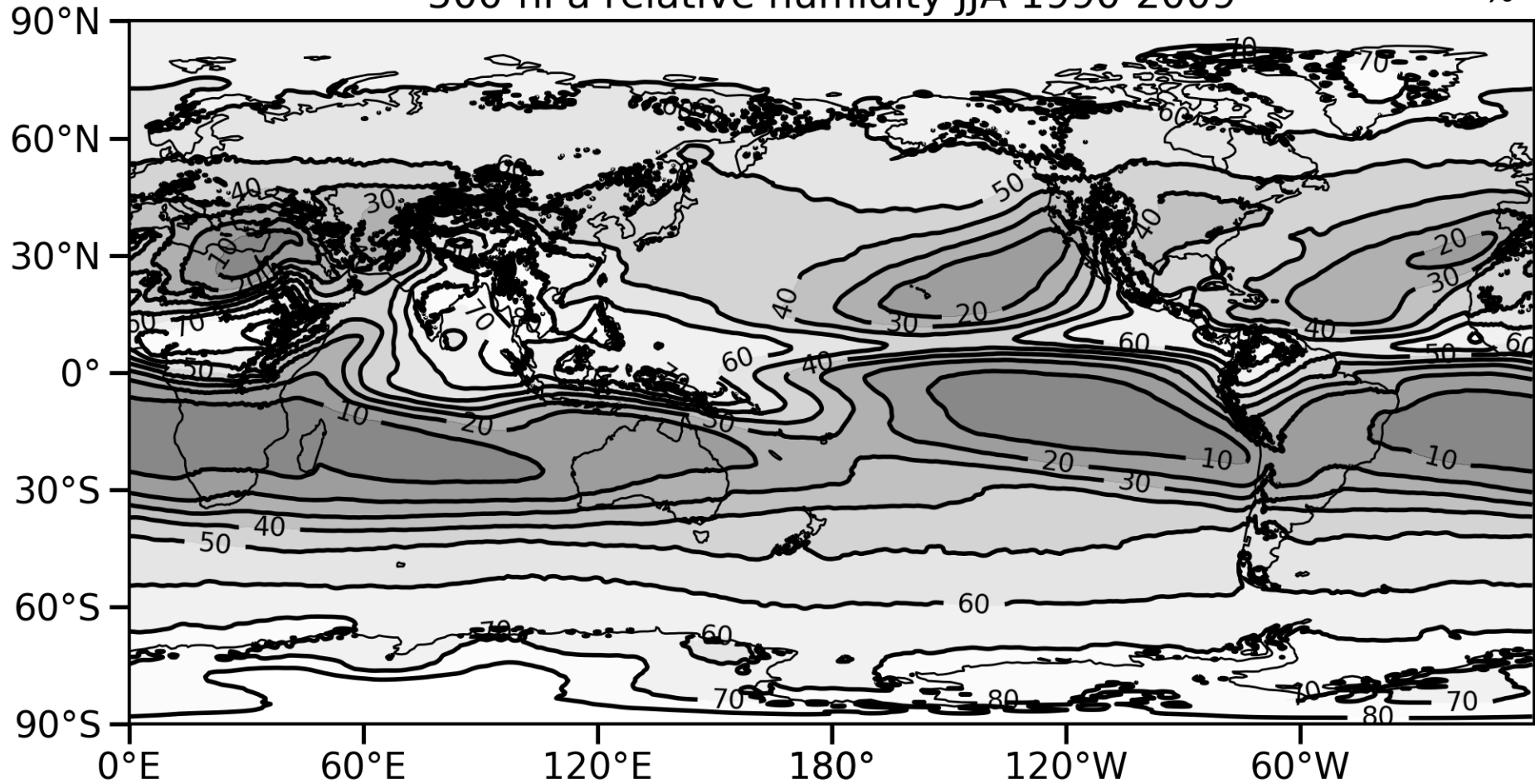
500-hPa relative humidity DJF 1990-2009

%

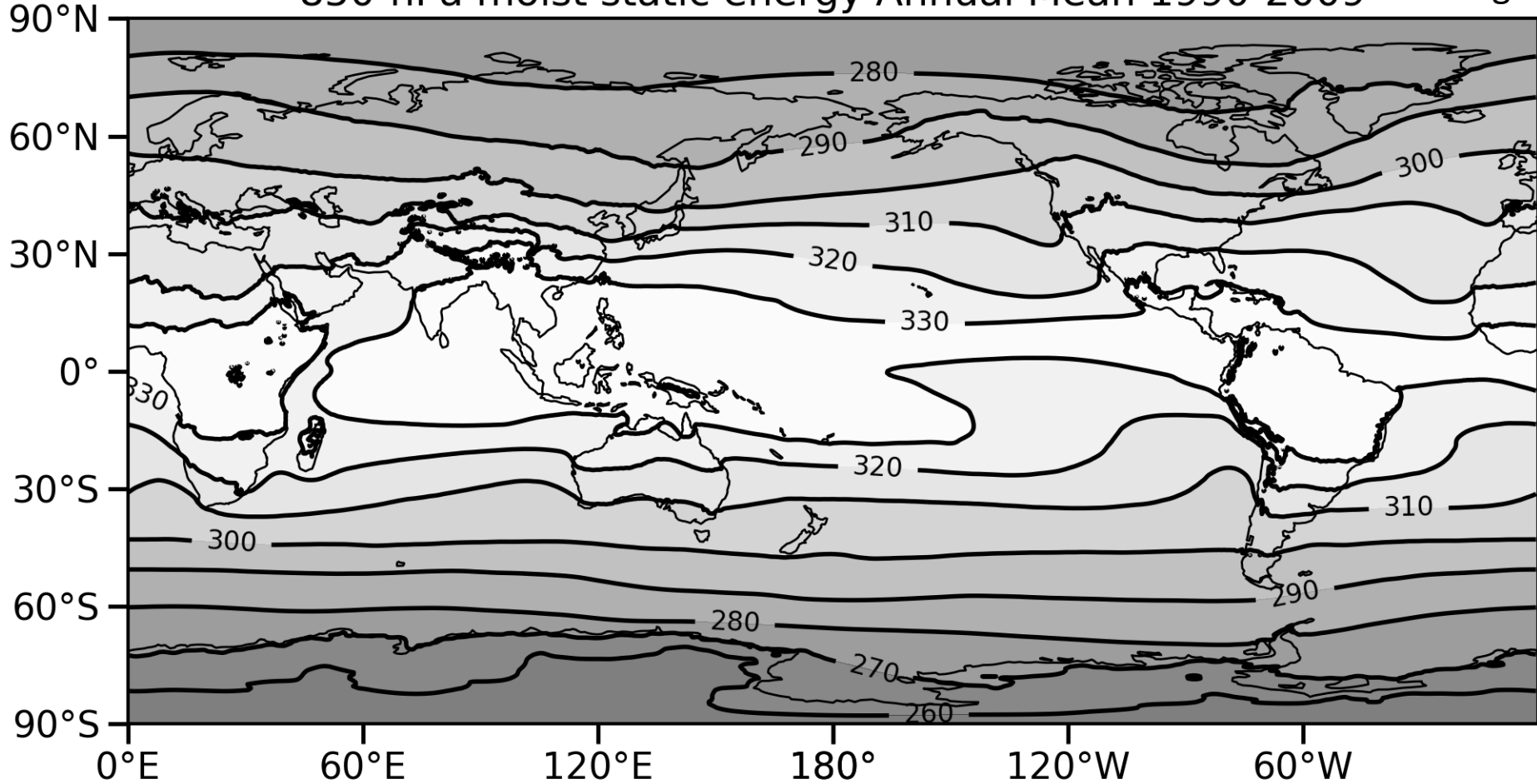


500-hPa relative humidity JJA 1990-2009

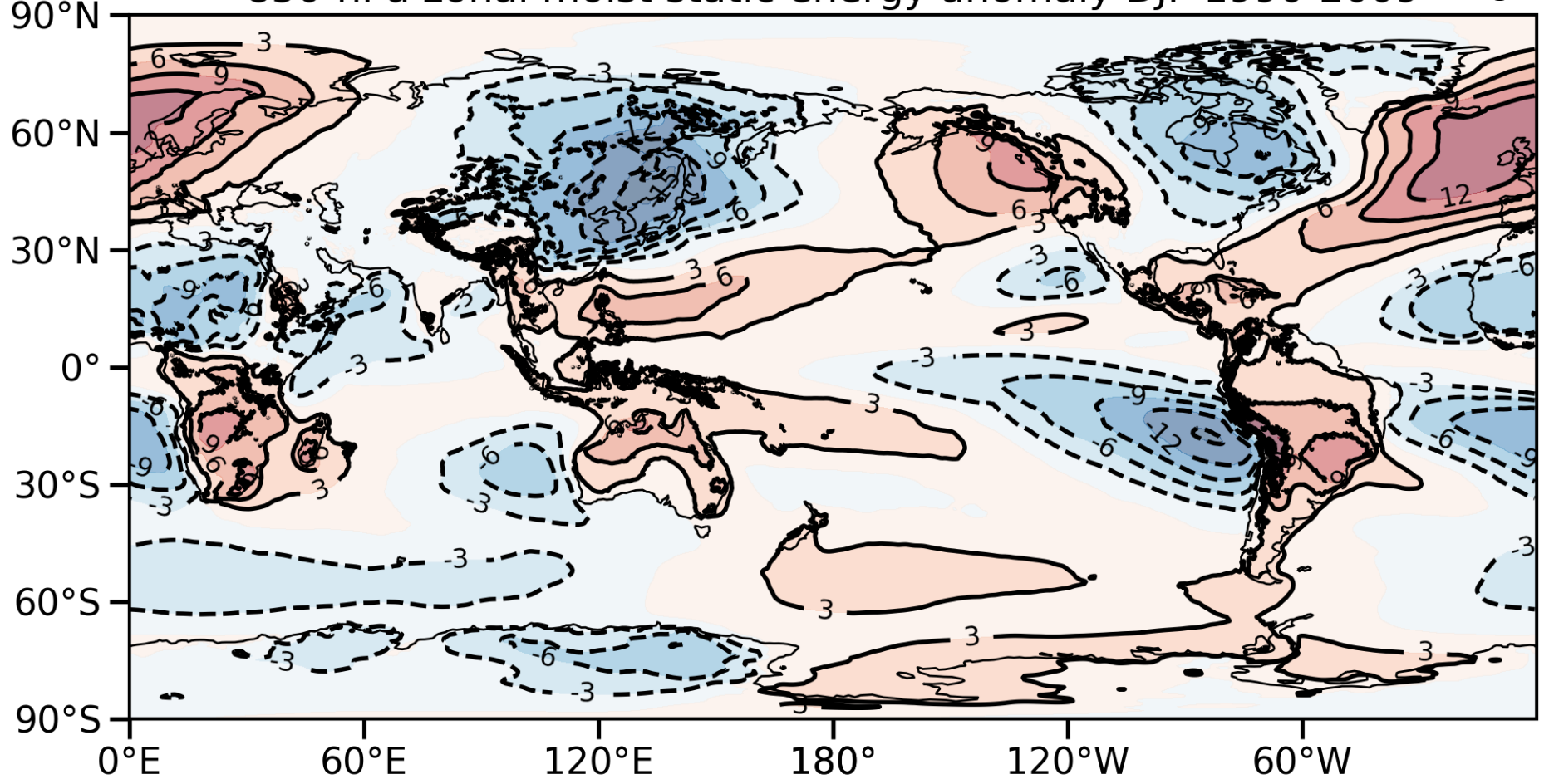
%



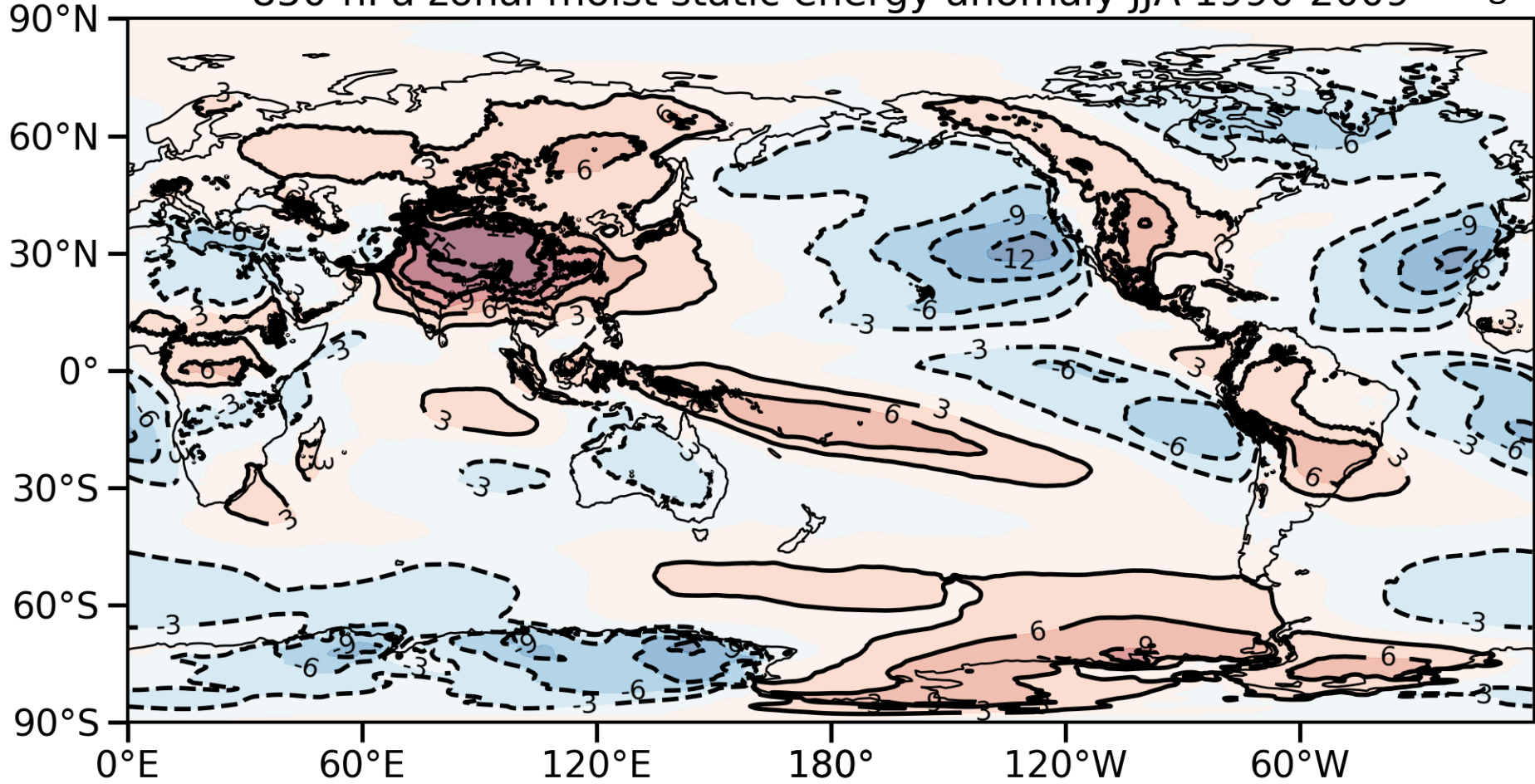
850-hPa moist static energy Annual Mean 1990-2009 kJ kg^{-1}



850-hPa zonal moist static energy anomaly DJF 1990-2009 kJ kg^{-1}

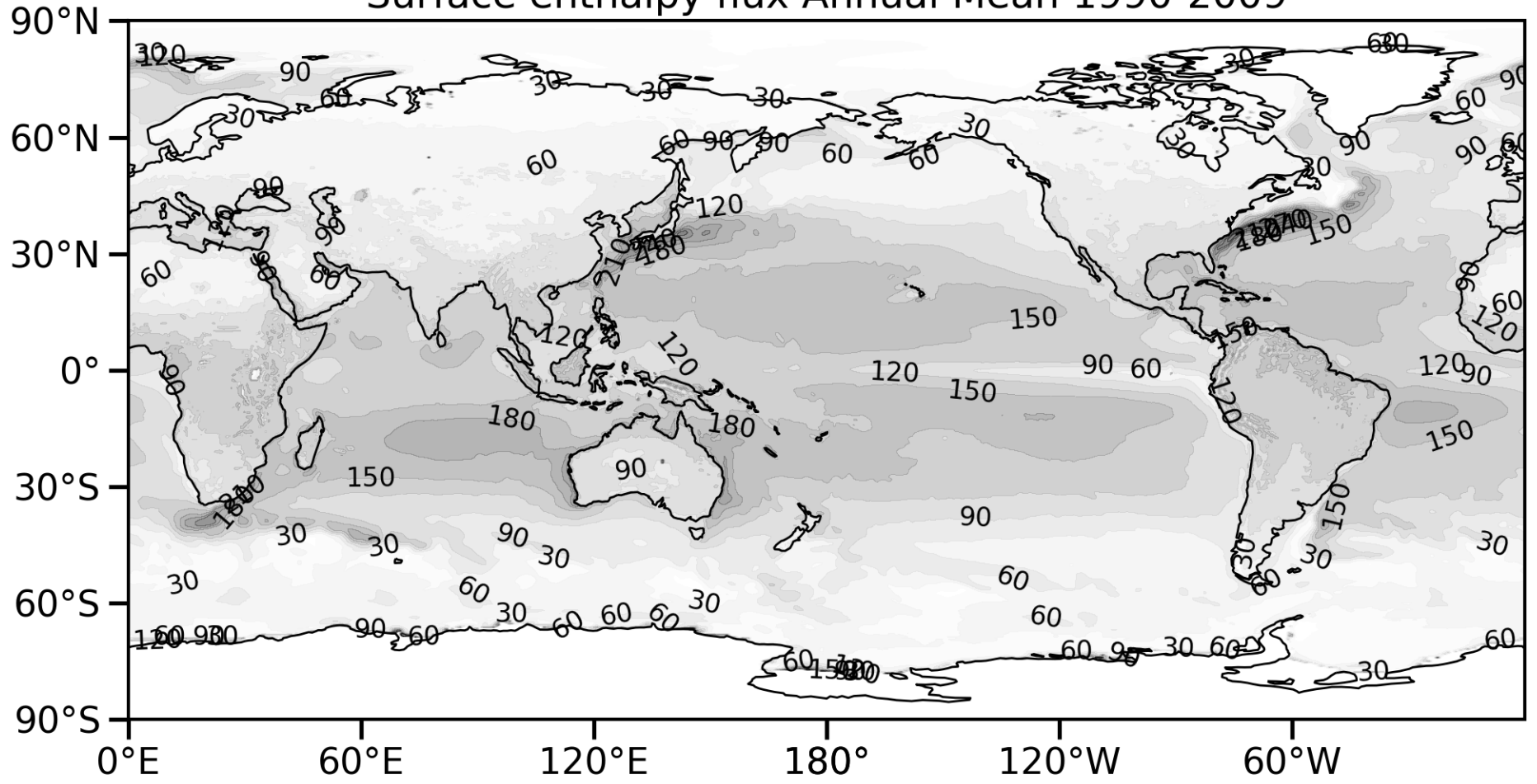


850-hPa zonal moist static energy anomaly JJA 1990-2009 kJ kg^{-1}



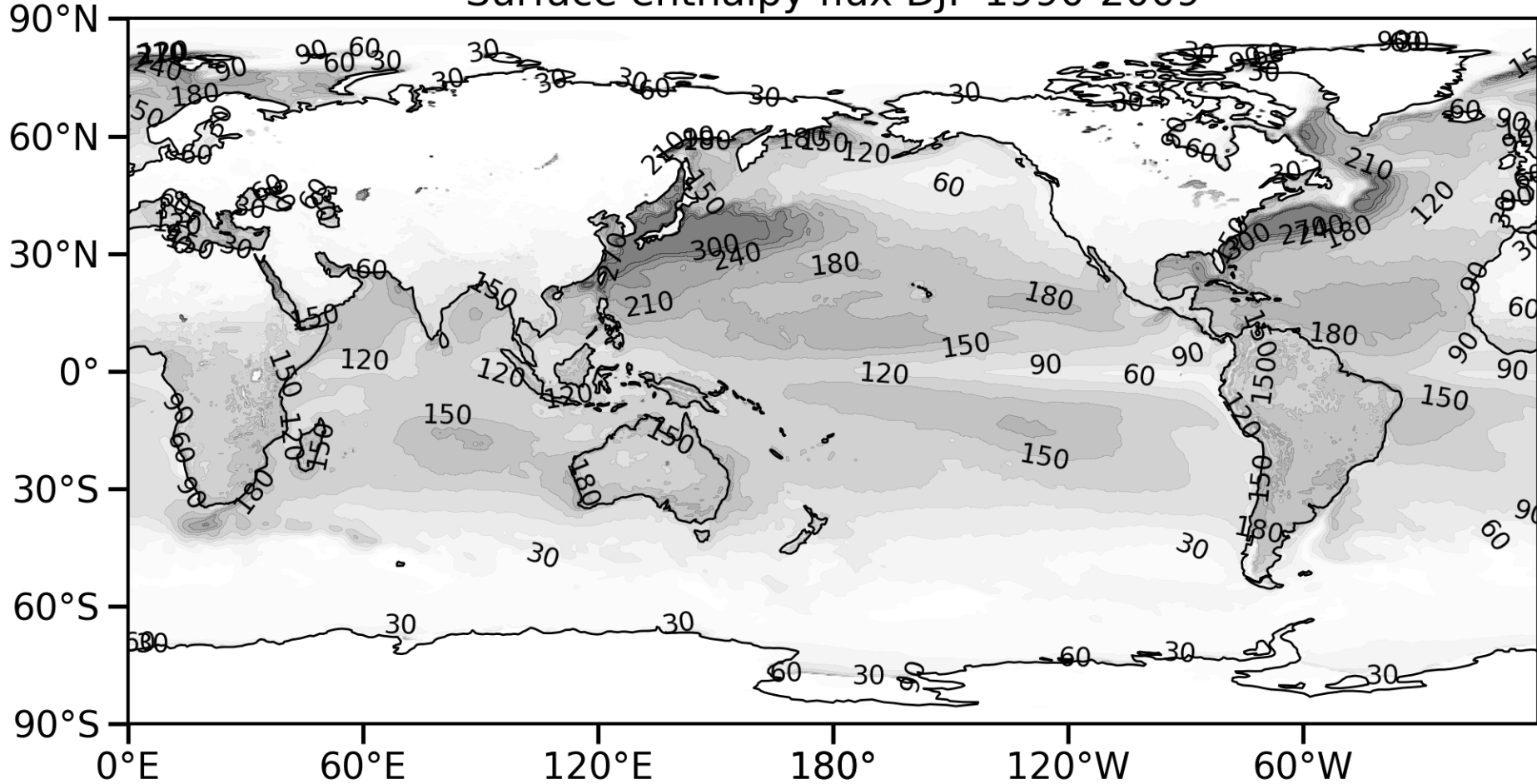
Surface enthalpy flux Annual Mean 1990-2009

W m^{-2}



Surface enthalpy flux DJF 1990-2009

W m^{-2}



Surface enthalpy flux JJA 1990-2009

W m⁻²

