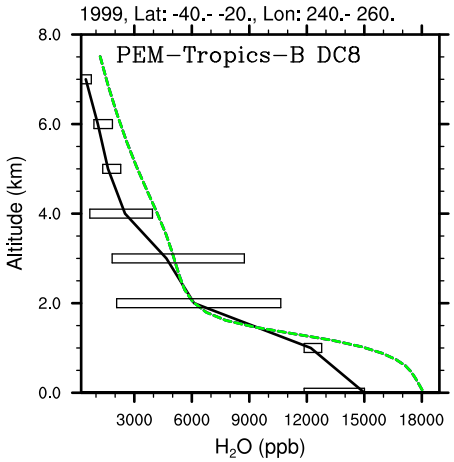Southern Hemisphere MAM H_2O