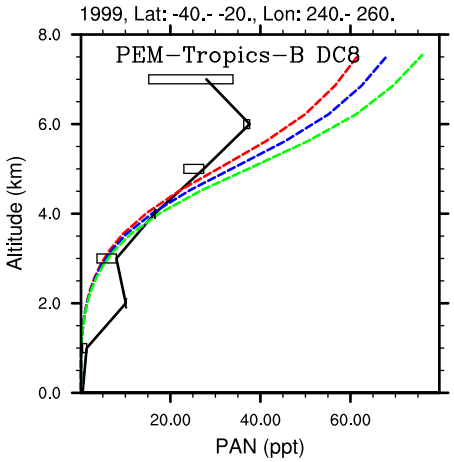Southern Hemisphere MAM PAN