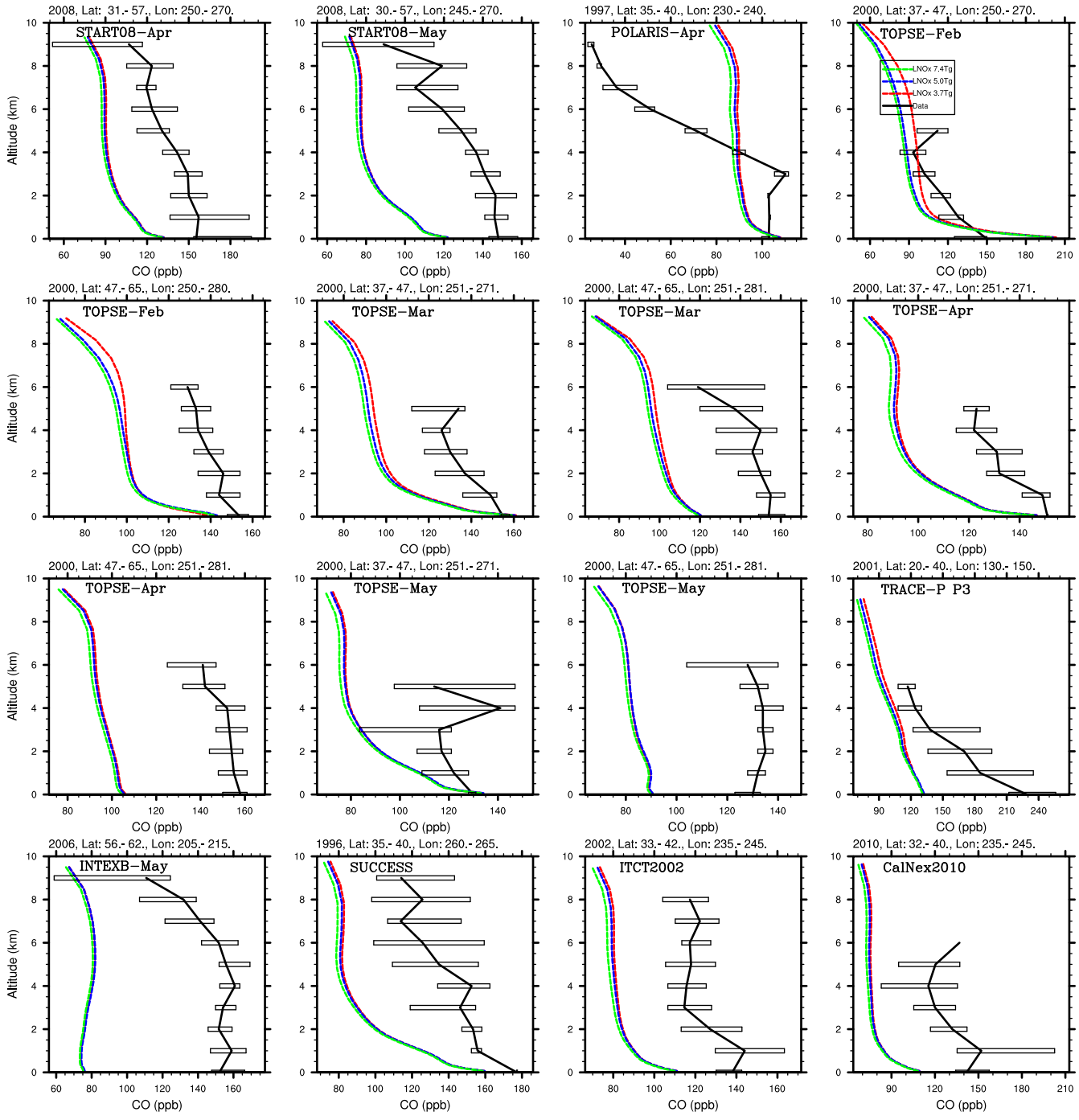Northern Hemisphere Midlat MAM CO