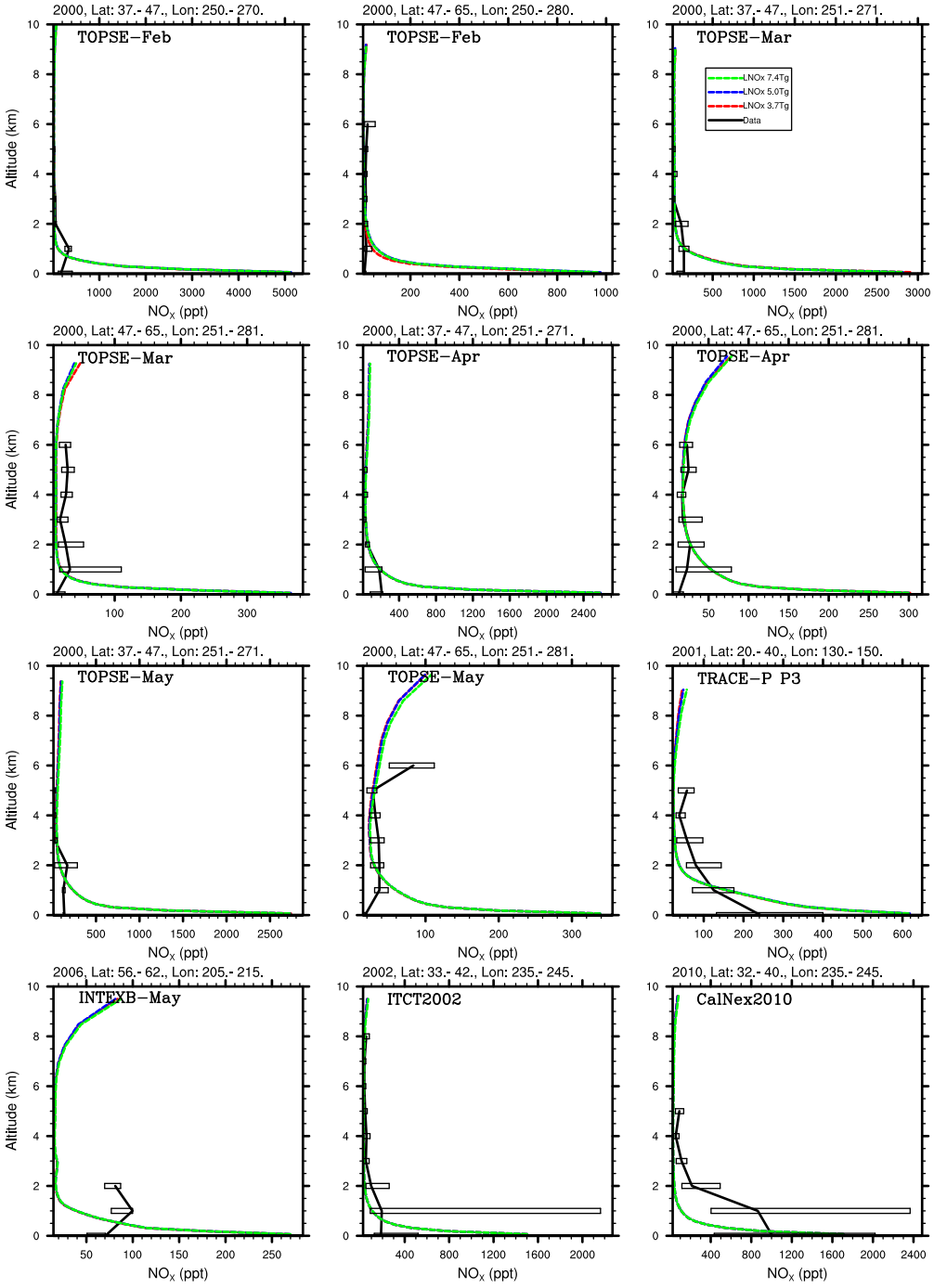Northern Hemisphere Midlat MAM NO_X