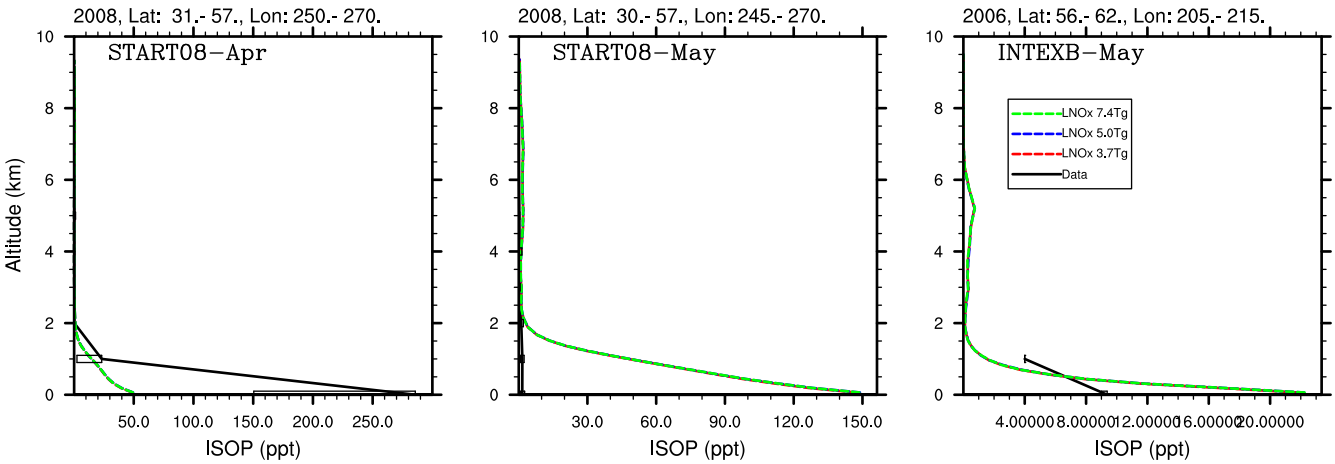Northern Hemisphere Midlat MAM ISOP