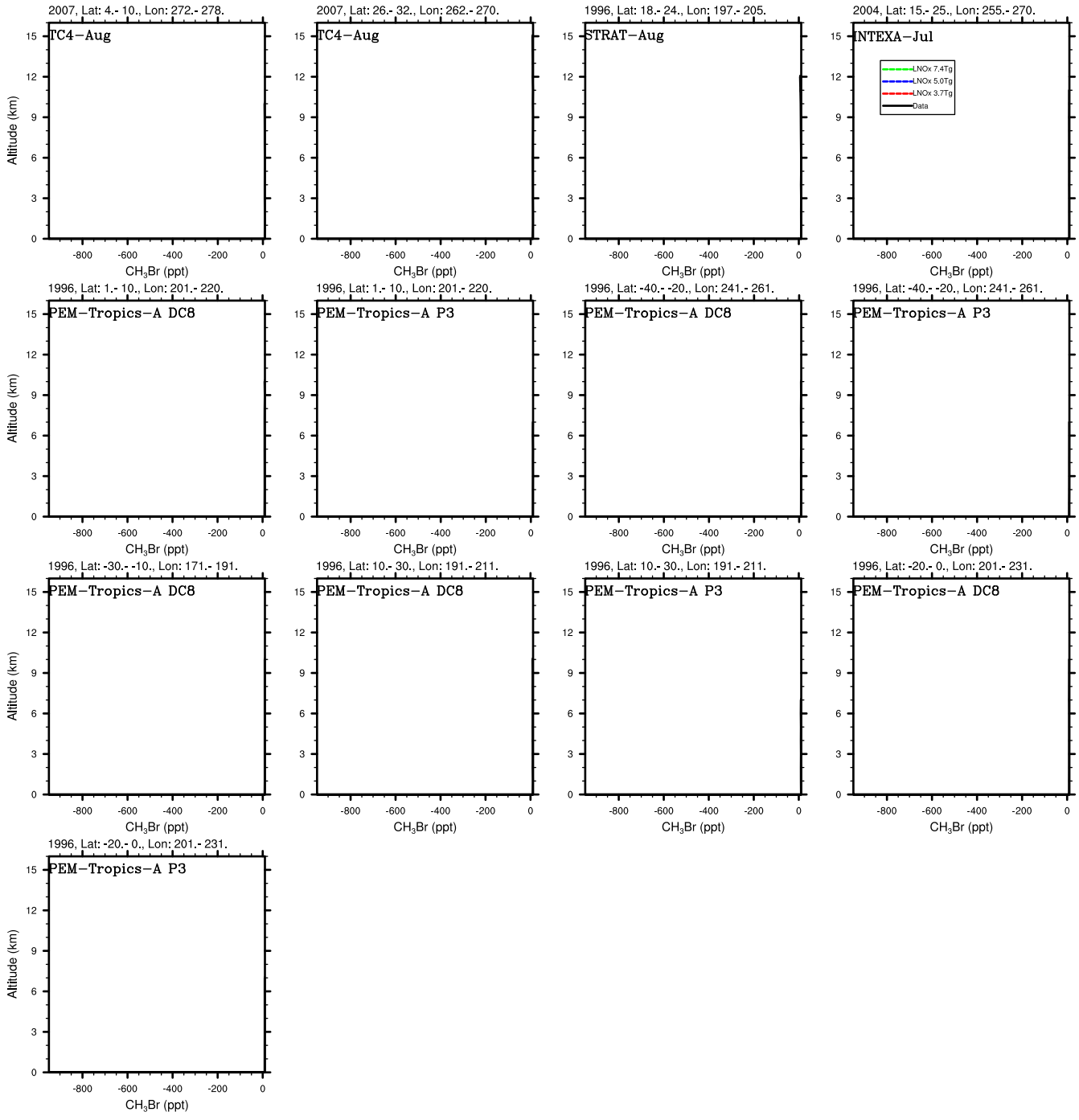Tropics JJA CH_3Br