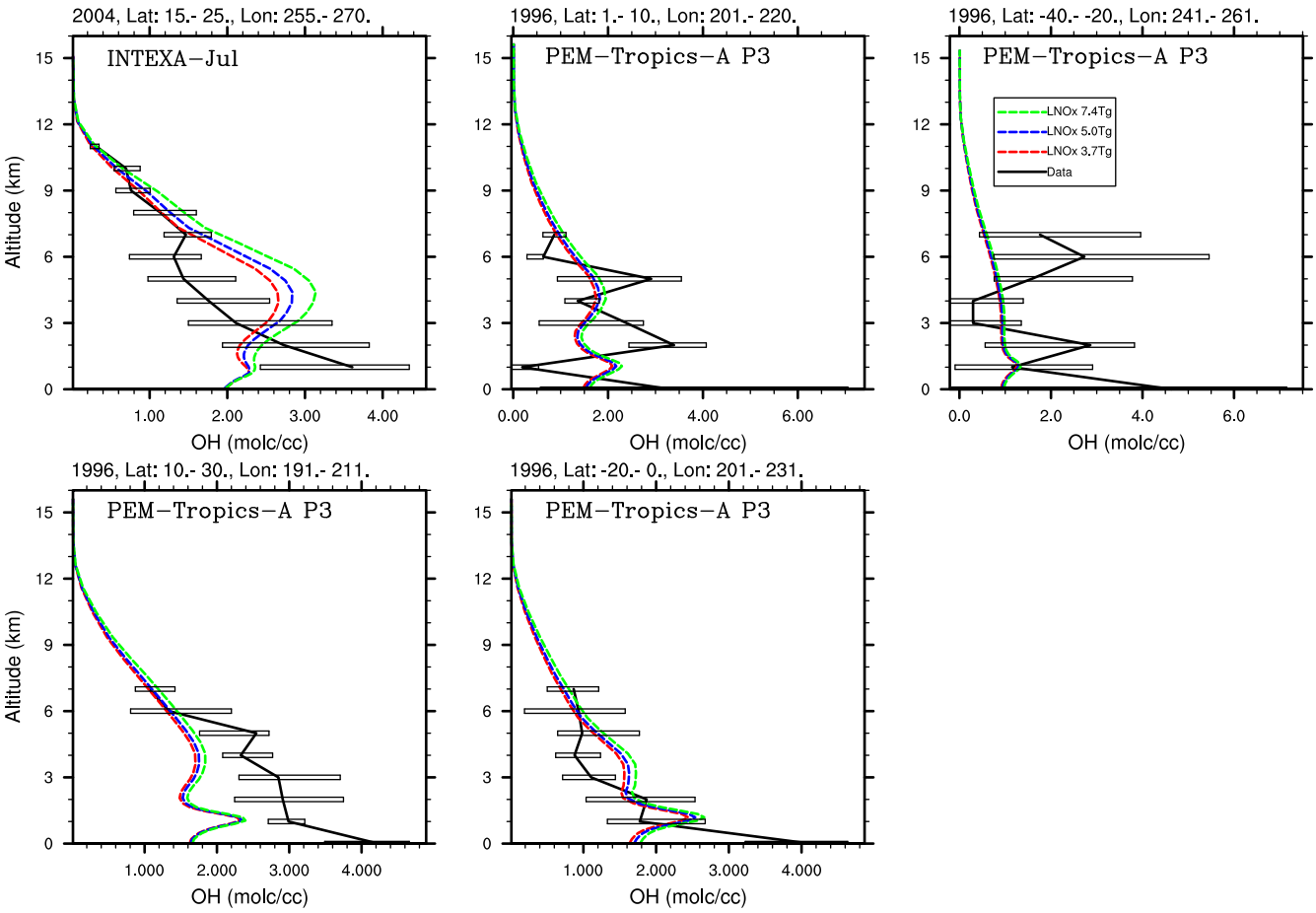Tropics JJA OH