

Supplementary Table

Table S1. Flight phases and their meanings

Parameter Value	Flight Phase	Meaning
1	ENG. STOP	Engine Shutdown
2	TAXI OUT	Taxi Out
3	TAKE OFF	Takeoff
4	2 SEGMENT	Second Segment (Acceleration)
6	INIT. CLIMB	Initial Climb
7	CLIMB	Climb
8	CRUISE	Cruise
9	DESCENT	Descent
10	APPROACH	Approach
11	FINAL	Final
12	LANDING	Landing
14	TAXI IN	Taxi In

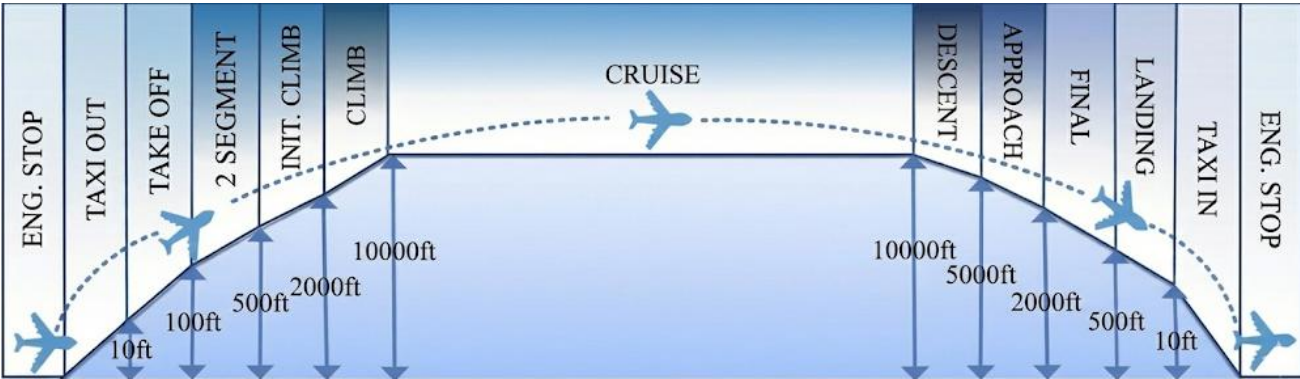
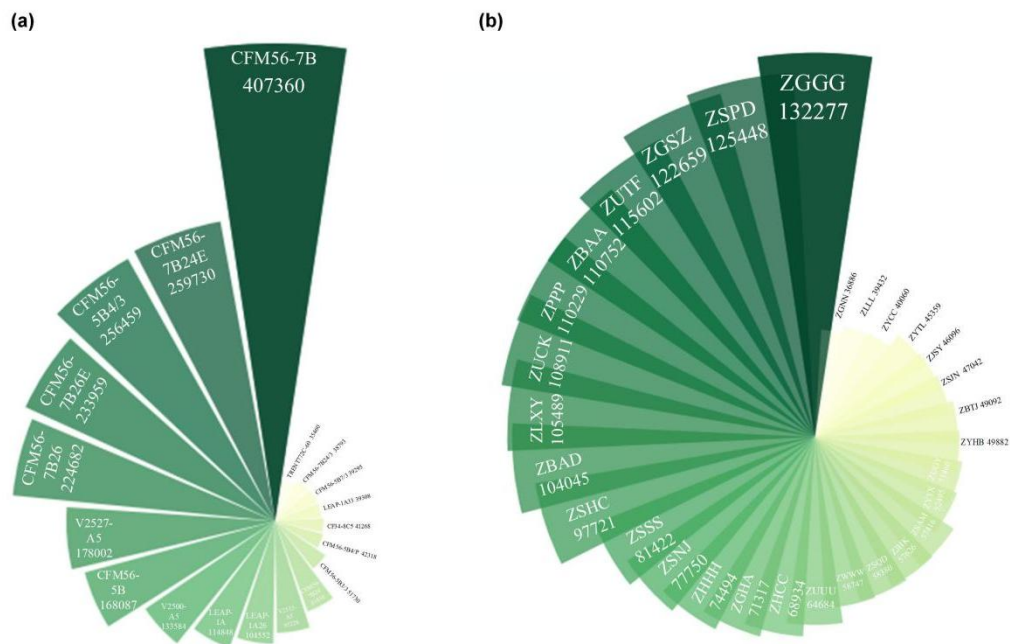


Figure S1. Schematic representation of flight phase segmentation.



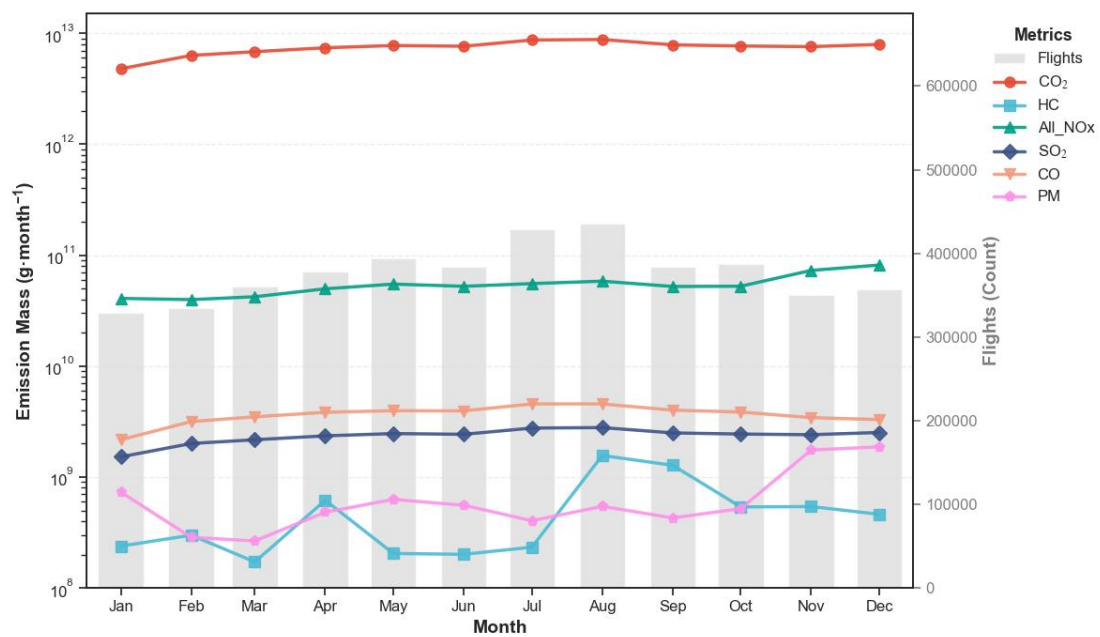


Figure S3. Monthly trends of flight traffic and total emission mass by pollutant type in 2023.